# Astrodienst Ephemeris Tables

## from the year 1350 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## JANUARY 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 13 8 | 18♑50'46 | 1♎ 9 | 2♒15 | 13♒16 | 24♍11 | 13°R31 | 6♈25 | 2°R15 | 13♒56 | 15♈36 | 6°R52 | 6♋19 | 5♋47 | 16°R13 | F 1 |
| S 2 | 7 17 5 | 19°51'51 | 14° 8 | 3°54 | 14°31 | 24°23 | 13♋23 | 6°28 | 2°D15 | 13°58 | 15°37 | 6°D51 | 6°16 | 5°53 | 16♉12 | S 2 |
| S 3 | 7 21 2 | 20°52'56 | 27°29 | 5°32 | 15°45 | 24°34 | 13°15 | 6°32 | 2♉15 | 14° 0 | 15°37 | 6♋51 | 6°13 | 6° 0 | 16°11 | S 3 |
| M 4 | 7 24 58 | 21°54'01 | 11♏13 | 7° 8 | 17° 0 | 24°45 | 13° 7 | 6°35 | 2°15 | 14° 3 | 15°37 | 6°52 | 6°10 | 6° 7 | 16°10 | M 4 |
| T 5 | 7 28 55 | 22°55'05 | 25°21 | 8°43 | 18°14 | 24°55 | 12°59 | 6°39 | 2°15 | 14° 5 | 15°38 | 6°53 | 6° 7 | 6°13 | 16°10 | T 5 |
| W 6 | 7 32 51 | 23°56'09 | 9♐52 | 10°16 | 19°29 | 25° 4 | 12°51 | 6°43 | 2°15 | 14° 7 | 15°38 | 6°54 | 6° 4 | 6°20 | 16° 9 | W 6 |
| T 7 | 7 36 48 | 24°57'12 | 24°43 | 11°46 | 20°44 | 25°13 | 12°43 | 6°47 | 2°15 | 14° 9 | 15°38 | 6°55 | 6° 0 | 6°27 | 16° 8 | T 7 |
| F 8 | 7 40 44 | 25°58'15 | 9♑47 | 13°14 | 21°58 | 25°21 | 12°35 | 6°51 | 2°16 | 14°11 | 15°39 | 6°R56 | 5°57 | 6°33 | 16° 8 | F 8 |
| S 9 | 7 44 41 | 26°59'17 | 24°57 | 14°38 | 23°12 | 25°29 | 12°28 | 6°55 | 2°16 | 14°13 | 15°39 | 6°55 | 5°54 | 6°40 | 16° 7 | S 9 |
| S 10 | 7 48 38 | 28° 0'18 | 10♒ 2 | 15°58 | 24°27 | 25°36 | 12°20 | 6°59 | 2°16 | 14°16 | 15°39 | 6°53 | 5°51 | 6°47 | 16° 7 | S 10 |
| M11 | 7 52 34 | 29° 1'18 | 24°54 | 17°13 | 25°41 | 25°42 | 12°13 | 7° 3 | 2°17 | 14°18 | 15°40 | 6°50 | 5°48 | 6°53 | 16° 6 | M11 |
| T 12 | 7 56 31 | 0♒ 2'16 | 9♓25 | 18°23 | 26°56 | 25°48 | 12° 5 | 7° 8 | 2°17 | 14°20 | 15°40 | 6°47 | 5°45 | 7° 0 | 16° 6 | T 12 |
| W13 | 8 0 27 | 1° 3'14 | 23°30 | 19°26 | 28°10 | 25°53 | 11°58 | 7°12 | 2°18 | 14°22 | 15°41 | 6°44 | 5°41 | 7° 7 | 16° 6 | W13 |
| T 14 | 8 4 24 | 2° 4'10 | 7♈ 7 | 20°22 | 29°24 | 25°57 | 11°51 | 7°16 | 2°18 | 14°25 | 15°41 | 6°41 | 5°38 | 7°13 | 16° 6 | T 14 |
| F 15 | 8 8 20 | 3° 5'04 | 20°16 | 21°10 | 0♓38 | 26° 1 | 11°44 | 7°21 | 2°19 | 14°27 | 15°42 | 6°39 | 5°35 | 7°20 | 16° 5 | F 15 |
| S 16 | 8 12 17 | 4° 5'58 | 3♉ 0 | 21°50 | 1°53 | 26° 3 | 11°37 | 7°26 | 2°20 | 14°29 | 15°42 | 6°D38 | 5°32 | 7°26 | 16°D 5 | S 16 |
| S 17 | 8 16 13 | 5° 6'50 | 15°23 | 22°20 | 3° 7 | 26° 6 | 11°30 | 7°31 | 2°21 | 14°31 | 15°43 | 6°39 | 5°29 | 7°33 | 16° 5 | S 17 |
| M18 | 8 20 10 | 6° 7'40 | 27°30 | 22°40 | 4°21 | 26° 7 | 11°23 | 7°35 | 2°21 | 14°34 | 15°43 | 6°40 | 5°25 | 7°40 | 16° 5 | M18 |
| T 19 | 8 24 7 | 7° 8'29 | 9♊25 | 22°R50 | 5°35 | 26° 8 | 11°17 | 7°40 | 2°22 | 14°36 | 15°44 | 6°42 | 5°22 | 7°46 | 16° 6 | T 19 |
| W20 | 8 28 3 | 8° 9'17 | 21°14 | 22°48 | 6°49 | 26°R 8 | 11°10 | 7°45 | 2°23 | 14°38 | 15°45 | 6°44 | 5°19 | 7°53 | 16° 6 | W20 |
| T 21 | 8 32 0 | 9°10'03 | 3♋ 0 | 22°36 | 8° 3 | 26° 7 | 11° 4 | 7°50 | 2°24 | 14°40 | 15°45 | 6°R45 | 5°16 | 8° 0 | 16° 6 | T 21 |
| F 22 | 8 35 56 | 10°10'47 | 14°48 | 22°13 | 9°17 | 26° 6 | 10°58 | 7°56 | 2°25 | 14°43 | 15°46 | 6°44 | 5°13 | 8° 6 | 16° 7 | F 22 |
| S 23 | 8 39 53 | 11°11'30 | 26°40 | 21°39 | 10°31 | 26° 3 | 10°51 | 8° 1 | 2°26 | 14°45 | 15°47 | 6°42 | 5°10 | 8°13 | 16° 7 | S 23 |
| S 24 | 8 43 49 | 12°12'12 | 8♌38 | 20°56 | 11°45 | 26° 0 | 10°45 | 8° 6 | 2°27 | 14°47 | 15°47 | 6°39 | 5° 6 | 8°20 | 16° 7 | S 24 |
| M25 | 8 47 46 | 13°12'52 | 20°46 | 20° 5 | 12°59 | 25°57 | 10°40 | 8°12 | 2°29 | 14°49 | 15°48 | 6°33 | 5° 3 | 8°26 | 16° 8 | M25 |
| T 26 | 8 51 42 | 14°13'31 | 3♍ 3 | 19° 7 | 14°12 | 25°52 | 10°34 | 8°17 | 2°30 | 14°52 | 15°49 | 6°27 | 5° 0 | 8°33 | 16° 9 | T 26 |
| W27 | 8 55 39 | 15°14'09 | 15°31 | 18° 3 | 15°26 | 25°47 | 10°29 | 8°23 | 2°31 | 14°54 | 15°50 | 6°19 | 4°57 | 8°40 | 16° 9 | W27 |
| T 28 | 8 59 36 | 16°14'45 | 28°10 | 16°56 | 16°40 | 25°41 | 10°23 | 8°28 | 2°32 | 14°56 | 15°50 | 6°12 | 4°54 | 8°46 | 16°10 | T 28 |
| F 29 | 9 3 32 | 17°15'19 | 11♎ 3 | 15°47 | 17°53 | 25°34 | 10°18 | 8°34 | 2°34 | 14°59 | 15°51 | 6° 6 | 4°51 | 8°53 | 16°11 | F 29 |
| S 30 | 9 7 29 | 18°15'53 | 24° 9 | 14°38 | 19° 7 | 25°26 | 10°13 | 8°40 | 2°35 | 15° 1 | 15°52 | 6° 2 | 4°47 | 8°59 | 16°12 | S 30 |
| S 31 | 9 11 25 | 19♒16'25 | 7♏30 | 13♒31 | 20♓20 | 25♍18 | 10♋ 8 | 8♈45 | 2♉36 | 15♒ 3 | 15♈53 | 5♋59 | 4♋44 | 9♋ 6 | 16♉13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s12 | 4n22 | 5n16 | 21s27 | 1s47 | 18s28 | 1s38 | 5n 9 | 3n 5 | 23n 8 | 0n18 | 0n18 | 2s27 | 11n52 | 0s27 | 17s 0 | 0s19 | 9s36 | 17s 5 | 23n21 | 23n22 | 23n21 | 14n17 | 2s35 |
| S 2 | 22 3 | 0s46 | 5 15 | 20 59 | 1 41 | 18 6 | 1 38 | 5 5 | 3 6 | 23 9 | 0 18 | 0 19 | 2 27 | 11 52 | 0 27 | 16 59 | 0 19 | 9 36 | 17 5 | 23 21 | 23 22 | 23 21 | 14 17 | 2 35 |
| S 3 | 21 54 | 5 59 | 4 57 | 20 30 | 1 35 | 17 43 | 1 38 | 5 2 | 3 8 | 23 10 | 0 19 | 0 21 | 2 27 | 11 52 | 0 27 | 16 59 | 0 19 | 9 35 | 17 5 | 23 21 | 23 23 | 23 22 | 14 16 | 2 35 |
| M 4 | 21 44 | 11 5 | 4 22 | 19 59 | 1 28 | 17 21 | 1 38 | 4 59 | 3 9 | 23 11 | 0 19 | 0 23 | 2 27 | 11 52 | 0 27 | 16 58 | 0 19 | 9 35 | 17 4 | 23 21 | 23 23 | 23 23 | 14 16 | 2 34 |
| T 5 | 21 34 | 15 45 | 3 31 | 19 27 | 1 21 | 16 57 | 1 37 | 4 57 | 3 11 | 23 12 | 0 19 | 0 24 | 2 26 | 11 52 | 0 27 | 16 58 | 0 19 | 9 34 | 17 4 | 23 21 | 23 23 | 23 23 | 14 16 | 2 34 |
| W 6 | 21 24 | 19 38 | 2 24 | 18 53 | 1 12 | 16 34 | 1 37 | 4 54 | 3 12 | 23 13 | 0 19 | 0 26 | 2 26 | 11 52 | 0 27 | 16 57 | 0 19 | 9 34 | 17 4 | 23 21 | 23 23 | 23 24 | 14 16 | 2 34 |
| T 7 | 21 13 | 22 18 | 1 7 | 18 19 | 1 3 | 16 9 | 1 36 | 4 52 | 3 14 | 23 14 | 0 19 | 0 28 | 2 26 | 11 52 | 0 27 | 16 56 | 0 19 | 9 34 | 17 3 | 23 20 | 23 23 | 23 24 | 14 16 | 2 34 |
| F 8 | 21 2 | 23 25 | 0s16 | 17 45 | 0 53 | 15 45 | 1 36 | 4 50 | 3 16 | 23 15 | 0 19 | 0 30 | 2 26 | 11 53 | 0 27 | 16 56 | 0 19 | 9 33 | 17 3 | 23 20 | 23 23 | 23 25 | 14 16 | 2 34 |
| S 9 | 20 50 | 22 49 | 1 38 | 17 10 | 0 42 | 15 20 | 1 35 | 4 49 | 3 17 | 23 15 | 0 19 | 0 32 | 2 26 | 11 53 | 0 27 | 16 55 | 0 19 | 9 33 | 17 3 | 23 21 | 23 23 | 23 25 | 14 16 | 2 34 |
| S 10 | 20 38 | 20 34 | 2 53 | 16 35 | 0 30 | 14 54 | 1 34 | 4 48 | 3 19 | 23 16 | 0 19 | 0 33 | 2 25 | 11 53 | 0 27 | 16 55 | 0 19 | 9 32 | 17 2 | 23 21 | 23 24 | 23 26 | 14 15 | 2 34 |
| M11 | 20 26 | 16 57 | 3 55 | 16 0 | 0 17 | 14 28 | 1 34 | 4 46 | 3 20 | 23 17 | 0 19 | 0 35 | 2 25 | 11 53 | 0 27 | 16 54 | 0 19 | 9 32 | 17 2 | 23 21 | 23 24 | 23 27 | 14 15 | 2 34 |
| T 12 | 20 13 | 12 23 | 4 40 | 15 25 | 0 3 | 14 2 | 1 33 | 4 46 | 3 22 | 23 18 | 0 20 | 0 37 | 2 25 | 11 53 | 0 27 | 16 53 | 0 19 | 9 31 | 17 1 | 23 21 | 23 24 | 23 27 | 14 15 | 2 34 |
| W13 | 20 0 | 7 17 | 5 7 | 14 52 | 0n11 | 13 35 | 1 32 | 4 45 | 3 23 | 23 19 | 0 20 | 0 39 | 2 25 | 11 53 | 0 27 | 16 53 | 0 19 | 9 31 | 17 1 | 23 21 | 23 24 | 23 28 | 14 15 | 2 34 |
| T 14 | 19 46 | 1 59 | 5 15 | 14 20 | 0 27 | 13 8 | 1 31 | 4 45 | 3 25 | 23 19 | 0 20 | 0 41 | 2 24 | 11 54 | 0 27 | 16 52 | 0 19 | 9 30 | 17 1 | 23 21 | 23 24 | 23 28 | 14 15 | 2 34 |
| F 15 | 19 32 | 3n13 | 5 6 | 13 49 | 0 43 | 12 41 | 1 30 | 4 45 | 3 26 | 23 20 | 0 20 | 0 43 | 2 24 | 11 54 | 0 27 | 16 51 | 0 19 | 9 30 | 17 0 | 23 21 | 23 24 | 23 29 | 14 15 | 2 34 |
| S 16 | 19 18 | 8 8 | 4 42 | 13 21 | 0 59 | 12 13 | 1 29 | 4 45 | 3 28 | 23 21 | 0 20 | 0 45 | 2 24 | 11 54 | 0 27 | 16 51 | 0 19 | 9 29 | 17 0 | 23 21 | 23 24 | 23 29 | 14 16 | 2 34 |
| S 17 | 19 3 | 12 35 | 4 6 | 12 55 | 1 16 | 11 45 | 1 28 | 4 45 | 3 29 | 23 21 | 0 20 | 0 47 | 2 24 | 11 55 | 0 27 | 16 50 | 0 19 | 9 29 | 17 0 | 23 21 | 23 25 | 23 30 | 14 16 | 2 33 |
| M18 | 18 48 | 16 26 | 3 19 | 12 32 | 1 33 | 11 17 | 1 26 | 4 46 | 3 31 | 23 22 | 0 20 | 0 50 | 2 24 | 11 55 | 0 27 | 16 49 | 0 19 | 9 28 | 16 59 | 23 21 | 23 25 | 23 30 | 14 16 | 2 33 |
| T 19 | 18 33 | 19 34 | 2 24 | 12 13 | 1 50 | 10 49 | 1 25 | 4 47 | 3 32 | 23 23 | 0 20 | 0 52 | 2 23 | 11 55 | 0 27 | 16 49 | 0 19 | 9 27 | 16 59 | 23 21 | 23 25 | 23 31 | 14 16 | 2 33 |
| W20 | 18 17 | 21 50 | 1 24 | 11 57 | 2 7 | 10 20 | 1 23 | 4 49 | 3 34 | 23 24 | 0 20 | 0 54 | 2 23 | 11 56 | 0 27 | 16 48 | 0 19 | 9 27 | 16 59 | 23 21 | 23 25 | 23 31 | 14 16 | 2 33 |
| T 21 | 18 2 | 23 9 | 0 21 | 11 46 | 2 24 | 9 51 | 1 22 | 4 50 | 3 35 | 23 24 | 0 21 | 0 56 | 2 23 | 11 56 | 0 27 | 16 47 | 0 19 | 9 26 | 16 58 | 23 21 | 23 25 | 23 32 | 14 16 | 2 33 |
| F 22 | 17 45 | 23 26 | 0n44 | 11 38 | 2 40 | 9 21 | 1 20 | 4 52 | 3 37 | 23 25 | 0 21 | 0 58 | 2 23 | 11 56 | 0 27 | 16 47 | 0 19 | 9 26 | 16 58 | 23 21 | 23 25 | 23 32 | 14 16 | 2 33 |
| S 23 | 17 29 | 22 39 | 1 47 | 11 35 | 2 54 | 8 52 | 1 19 | 4 54 | 3 38 | 23 25 | 0 21 | 1 1 | 2 23 | 11 57 | 0 27 | 16 46 | 0 19 | 9 25 | 16 58 | 23 21 | 23 25 | 23 33 | 14 17 | 2 33 |
| S 24 | 17 12 | 20 49 | 2 45 | 11 36 | 3 8 | 8 22 | 1 17 | 4 57 | 3 40 | 23 26 | 0 21 | 1 3 | 2 22 | 11 57 | 0 27 | 16 45 | 0 19 | 9 25 | 16 57 | 23 21 | 23 25 | 23 33 | 14 17 | 2 33 |
| M25 | 16 55 | 18 3 | 3 37 | 11 41 | 3 19 | 7 52 | 1 15 | 5 0 | 3 41 | 23 27 | 0 21 | 1 5 | 2 22 | 11 57 | 0 27 | 16 45 | 0 19 | 9 24 | 16 57 | 23 22 | 23 26 | 23 33 | 14 17 | 2 33 |
| T 26 | 16 37 | 14 27 | 4 19 | 11 50 | 3 29 | 7 22 | 1 13 | 5 3 | 3 42 | 23 27 | 0 21 | 1 7 | 2 22 | 11 58 | 0 27 | 16 44 | 0 19 | 9 24 | 16 57 | 23 22 | 23 26 | 23 34 | 14 17 | 2 33 |
| W27 | 16 19 | 10 11 | 4 50 | 12 2 | 3 36 | 6 51 | 1 11 | 5 6 | 3 44 | 23 28 | 0 21 | 1 10 | 2 22 | 11 58 | 0 27 | 16 43 | 0 19 | 9 23 | 16 56 | 23 22 | 23 26 | 23 34 | 14 18 | 2 33 |
| T 28 | 16 1 | 5 25 | 5 7 | 12 18 | 3 42 | 6 21 | 1 9 | 5 10 | 3 45 | 23 28 | 0 21 | 1 12 | 2 22 | 11 59 | 0 27 | 16 43 | 0 19 | 9 22 | 16 56 | 23 23 | 23 26 | 23 35 | 14 18 | 2 33 |
| F 29 | 15 43 | 0 21 | 5 9 | 12 35 | 3 44 | 5 50 | 1 7 | 5 14 | 3 46 | 23 29 | 0 21 | 1 15 | 2 21 | 11 59 | 0 26 | 16 42 | 0 19 | 9 22 | 16 56 | 23 23 | 23 26 | 23 35 | 14 18 | 2 33 |
| S 30 | 15 24 | 4s50 | 4 55 | 12 55 | 3 45 | 5 19 | 1 5 | 5 18 | 3 48 | 23 29 | 0 21 | 1 17 | 2 21 | 12 0 | 0 26 | 16 41 | 0 19 | 9 21 | 16 55 | 23 23 | 23 26 | 23 36 | 14 18 | 2 32 |
| S 31 | 15s 6 | 9s53 | 4n25 | 13s15 | 3n43 | 4s48 | 1s 3 | 5n22 | 3n49 | 23n30 | 0n21 | 1n19 | 2s21 | 12n 0 | 0s26 | 16s41 | 0s19 | 9s21 | 16s55 | 23n23 | 23n26 | 23n36 | 14n19 | 2s32 |

Julian Day Number = 2214145.5, Delta T = 09m09s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'26, Lahiri = 14°47'27 Julian Calendar 1 Jan. 1350 == Greg. Calendar 9 Jan. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## FEBRUARY 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 15 22 | 20♒16'56 | 21♏ 7 | 12°R28 | 21♓34 | 25°R 9 | 10°R 3 | 8♈51 | 2♉38 | 15♒ 5 | 15♈54 | 5°D58 | 4♋41 | 9♋13 | 16♉14 | M 1 |
| T 2 | 9 19 18 | 21°17'25 | 5♐ 2 | 11♒29 | 22°47 | 24♏59 | 9♋59 | 8°57 | 2°40 | 15° 8 | 15°55 | 5♋59 | 4°38 | 9°19 | 16°15 | T 2 |
| W 3 | 9 23 15 | 22°17'54 | 19°14 | 10°36 | 24° 0 | 24°48 | 9°55 | 9° 3 | 2°41 | 15°10 | 15°55 | 6° 0 | 4°35 | 9°26 | 16°16 | W 3 |
| T 4 | 9 27 11 | 23°18'21 | 3♑43 | 9°49 | 25°14 | 24°36 | 9°50 | 9° 9 | 2°43 | 15°12 | 15°56 | 6°R 1 | 4°31 | 9°33 | 16°18 | T 4 |
| F 5 | 9 31 8 | 24°18'47 | 18°25 | 9° 9 | 26°27 | 24°24 | 9°46 | 9°15 | 2°44 | 15°14 | 15°57 | 6° 0 | 4°28 | 9°39 | 16°19 | F 5 |
| S 6 | 9 35 5 | 25°19'11 | 3♒15 | 8°37 | 27°40 | 24°11 | 9°43 | 9°22 | 2°46 | 15°17 | 15°58 | 5°58 | 4°25 | 9°46 | 16°20 | S 6 |
| S 7 | 9 39 1 | 26°19'33 | 18° 6 | 8°12 | 28°53 | 23°57 | 9°39 | 9°28 | 2°48 | 15°19 | 15°59 | 5°53 | 4°22 | 9°53 | 16°22 | S 7 |
| M 8 | 9 42 58 | 27°19'54 | 2♓50 | 7°54 | 0♈ 6 | 23°42 | 9°35 | 9°34 | 2°50 | 15°21 | 16° 0 | 5°45 | 4°19 | 9°59 | 16°23 | M 8 |
| T 9 | 9 46 54 | 28°20'13 | 17°19 | 7°43 | 1°19 | 23°27 | 9°32 | 9°41 | 2°52 | 15°23 | 16° 1 | 5°37 | 4°16 | 10° 6 | 16°25 | T 9 |
| W10 | 9 50 51 | 29°20'30 | 1♈26 | 7°D40 | 2°32 | 23°11 | 9°29 | 9°47 | 2°54 | 15°26 | 16° 2 | 5°28 | 4°12 | 10°13 | 16°26 | W10 |
| T 11 | 9 54 47 | 0♓20'45 | 15° 8 | 7°42 | 3°45 | 22°54 | 9°26 | 9°53 | 2°56 | 15°28 | 16° 3 | 5°19 | 4° 9 | 10°19 | 16°28 | T 11 |
| F 12 | 9 58 44 | 1°20'58 | 28°22 | 7°52 | 4°58 | 22°37 | 9°24 | 10° 0 | 2°58 | 15°30 | 16° 4 | 5°13 | 4° 6 | 10°26 | 16°30 | F 12 |
| S 13 | 10 2 40 | 2°21'09 | 11♉12 | 8° 7 | 6°11 | 22°19 | 9°21 | 10° 6 | 3° 0 | 15°32 | 16° 5 | 5° 8 | 4° 3 | 10°32 | 16°32 | S 13 |
| S 14 | 10 6 37 | 3°21'17 | 23°38 | 8°27 | 7°23 | 22° 1 | 9°19 | 10°13 | 3° 2 | 15°35 | 16° 6 | 5° 5 | 4° 0 | 10°39 | 16°33 | S 14 |
| M15 | 10 10 33 | 4°21'24 | 5♊47 | 8°53 | 8°36 | 21°41 | 9°17 | 10°20 | 3° 4 | 15°37 | 16° 7 | 5°D 5 | 3°56 | 10°46 | 16°35 | M15 |
| T 16 | 10 14 30 | 5°21'29 | 17°43 | 9°24 | 9°48 | 21°22 | 9°15 | 10°26 | 3° 6 | 15°39 | 16° 9 | 5° 6 | 3°53 | 10°52 | 16°37 | T 16 |
| W17 | 10 18 27 | 6°21'31 | 29°31 | 9°59 | 11° 1 | 21° 2 | 9°13 | 10°33 | 3° 8 | 15°41 | 16°10 | 5°R 6 | 3°50 | 10°59 | 16°39 | W17 |
| T 18 | 10 22 23 | 7°21'32 | 11♋18 | 10°39 | 12°13 | 20°41 | 9°11 | 10°40 | 3°10 | 15°43 | 16°11 | 5° 6 | 3°47 | 11° 6 | 16°42 | T 18 |
| F 19 | 10 26 20 | 8°21'30 | 23° 7 | 11°22 | 13°25 | 20°20 | 9°10 | 10°47 | 3°13 | 15°45 | 16°12 | 5° 4 | 3°44 | 11°12 | 16°44 | F 19 |
| S 20 | 10 30 16 | 9°21'26 | 5♌ 4 | 12° 9 | 14°37 | 19°58 | 9° 9 | 10°54 | 3°15 | 15°48 | 16°13 | 5° 0 | 3°41 | 11°19 | 16°46 | S 20 |
| S 21 | 10 34 13 | 10°21'19 | 17°10 | 13° 0 | 15°49 | 19°36 | 9° 8 | 11° 1 | 3°17 | 15°50 | 16°14 | 4°53 | 3°37 | 11°26 | 16°48 | S 21 |
| M22 | 10 38 9 | 11°21'11 | 29°30 | 13°53 | 17° 1 | 19°14 | 9° 7 | 11° 8 | 3°20 | 15°52 | 16°15 | 4°44 | 3°34 | 11°32 | 16°51 | M22 |
| T 23 | 10 42 6 | 12°21'01 | 12♍ 3 | 14°50 | 18°13 | 18°51 | 9° 7 | 11°15 | 3°22 | 15°54 | 16°17 | 4°33 | 3°31 | 11°39 | 16°53 | T 23 |
| W24 | 10 46 2 | 13°20'49 | 24°50 | 15°49 | 19°25 | 18°29 | 9° 6 | 11°22 | 3°25 | 15°56 | 16°18 | 4°20 | 3°28 | 11°46 | 16°56 | W24 |
| T 25 | 10 49 59 | 14°20'34 | 7♎50 | 16°51 | 20°37 | 18° 6 | 9°D 6 | 11°29 | 3°27 | 15°58 | 16°19 | 4° 8 | 3°25 | 11°52 | 16°58 | T 25 |
| F 26 | 10 53 56 | 15°20'18 | 21° 3 | 17°56 | 21°49 | 17°42 | 9° 6 | 11°36 | 3°30 | 16° 0 | 16°20 | 3°58 | 3°22 | 11°59 | 17° 1 | F 26 |
| S 27 | 10 57 52 | 16°20'00 | 4♏27 | 19° 3 | 23° 0 | 17°19 | 9° 6 | 11°43 | 3°32 | 16° 2 | 16°21 | 3°49 | 3°18 | 12° 6 | 17° 3 | S 27 |
| S 28 | 11 1 49 | 17♓19'40 | 18♏ 1 | 20♒12 | 24♈12 | 16♏56 | 9♋ 7 | 11♈50 | 3♉35 | 16♒ 4 | 16♈23 | 3♋43 | 3♋15 | 12♋12 | 17♉ 6 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s47 | 14s35 | 3n39 | 13s37 | 3n39 | 4s17 | 1s 1 | 5n27 | 3n50 | 23n30 | 0n22 | 1n22 | 2s21 | 12n 1 | 0s26 | 16s40 | 0s19 | 9s20 | 16s55 | 23n23 | 23n26 | 23n37 | 14n19 | 2s32 |
| T 2 | 14 27 | 18 36 | 2 40 | 13 59 | 3 33 | 3 46 | 0 58 | 5 32 | 3 51 | 23 30 | 0 22 | 1 24 | 2 21 | 12 2 | 0 26 | 16 39 | 0 19 | 9 19 | 16 55 | 23 23 | 23 27 | 23 37 | 14 20 | 2 32 |
| W 3 | 14 8 | 21 36 | 1 30 | 14 20 | 3 26 | 3 15 | 0 56 | 5 37 | 3 52 | 23 31 | 0 22 | 1 27 | 2 20 | 12 2 | 0 26 | 16 39 | 0 19 | 9 19 | 16 54 | 23 23 | 23 27 | 23 37 | 14 20 | 2 32 |
| T 4 | 13 48 | 23 16 | 0 12 | 14 41 | 3 17 | 2 43 | 0 54 | 5 43 | 3 53 | 23 31 | 0 22 | 1 30 | 2 20 | 12 3 | 0 26 | 16 38 | 0 19 | 9 18 | 16 54 | 23 23 | 23 27 | 23 38 | 14 20 | 2 32 |
| F 5 | 13 28 | 23 21 | 1s 7 | 15 2 | 3 7 | 2 12 | 0 51 | 5 49 | 3 54 | 23 32 | 0 22 | 1 32 | 2 20 | 12 3 | 0 26 | 16 38 | 0 19 | 9 18 | 16 54 | 23 23 | 23 27 | 23 38 | 14 21 | 2 32 |
| S 6 | 13 8 | 21 48 | 2 22 | 15 21 | 2 55 | 1 40 | 0 49 | 5 55 | 3 55 | 23 32 | 0 22 | 1 35 | 2 20 | 12 4 | 0 26 | 16 37 | 0 19 | 9 17 | 16 53 | 23 23 | 23 27 | 23 39 | 14 21 | 2 32 |
| S 7 | 12 47 | 18 44 | 3 27 | 15 39 | 2 43 | 1 9 | 0 46 | 6 1 | 3 56 | 23 32 | 0 22 | 1 37 | 2 20 | 12 5 | 0 26 | 16 36 | 0 19 | 9 16 | 16 53 | 23 24 | 23 27 | 23 39 | 14 22 | 2 32 |
| M 8 | 12 26 | 14 30 | 4 18 | 15 56 | 2 31 | 0 37 | 0 43 | 6 8 | 3 57 | 23 33 | 0 22 | 1 40 | 2 20 | 12 5 | 0 26 | 16 36 | 0 19 | 9 16 | 16 53 | 23 24 | 23 27 | 23 39 | 14 22 | 2 32 |
| T 9 | 12 6 | 9 30 | 4 51 | 16 11 | 2 18 | 0 5 | 0 40 | 6 14 | 3 57 | 23 33 | 0 22 | 1 43 | 2 20 | 12 6 | 0 26 | 16 35 | 0 19 | 9 15 | 16 53 | 23 24 | 23 27 | 23 40 | 14 23 | 2 32 |
| W10 | 11 45 | 4 6 | 5 6 | 16 25 | 2 5 | 0n26 | 0 38 | 6 21 | 3 58 | 23 33 | 0 22 | 1 45 | 2 19 | 12 7 | 0 26 | 16 34 | 0 19 | 9 15 | 16 52 | 23 25 | 23 27 | 23 40 | 14 23 | 2 32 |
| T 11 | 11 23 | 1n20 | 5 2 | 16 37 | 1 51 | 0 58 | 0 35 | 6 28 | 3 59 | 23 33 | 0 22 | 1 48 | 2 19 | 12 7 | 0 26 | 16 34 | 0 19 | 9 14 | 16 52 | 23 25 | 23 27 | 23 40 | 14 24 | 2 32 |
| F 12 | 11 2 | 6 32 | 4 42 | 16 47 | 1 38 | 1 29 | 0 32 | 6 36 | 3 59 | 23 34 | 0 22 | 1 51 | 2 19 | 12 8 | 0 26 | 16 33 | 0 19 | 9 13 | 16 52 | 23 25 | 23 28 | 23 41 | 14 24 | 2 32 |
| S 13 | 10 40 | 11 18 | 4 8 | 16 56 | 1 25 | 2 1 | 0 29 | 6 43 | 4 0 | 23 34 | 0 22 | 1 53 | 2 19 | 12 9 | 0 26 | 16 32 | 0 19 | 9 13 | 16 52 | 23 25 | 23 28 | 23 41 | 14 25 | 2 31 |
| S 14 | 10 19 | 15 28 | 3 24 | 17 3 | 1 12 | 2 33 | 0 26 | 6 51 | 4 0 | 23 34 | 0 23 | 1 56 | 2 19 | 12 9 | 0 26 | 16 32 | 0 19 | 9 12 | 16 51 | 23 26 | 23 28 | 23 41 | 14 26 | 2 31 |
| M15 | 9 57 | 18 52 | 2 31 | 17 9 | 0 59 | 3 4 | 0 23 | 6 59 | 4 0 | 23 34 | 0 23 | 1 59 | 2 19 | 12 10 | 0 26 | 16 31 | 0 19 | 9 11 | 16 51 | 23 26 | 23 28 | 23 42 | 14 26 | 2 31 |
| T 16 | 9 35 | 21 26 | 1 32 | 17 13 | 0 46 | 3 36 | 0 20 | 7 7 | 4 0 | 23 35 | 0 23 | 2 1 | 2 19 | 12 11 | 0 26 | 16 30 | 0 19 | 9 11 | 16 51 | 23 26 | 23 28 | 23 42 | 14 27 | 2 31 |
| W17 | 9 13 | 23 1 | 0 30 | 17 15 | 0 34 | 4 7 | 0 17 | 7 15 | 4 1 | 23 35 | 0 23 | 2 4 | 2 18 | 12 12 | 0 26 | 16 30 | 0 19 | 9 10 | 16 51 | 23 25 | 23 28 | 23 42 | 14 28 | 2 31 |
| T 18 | 8 50 | 23 35 | 0n33 | 17 16 | 0 22 | 4 38 | 0 14 | 7 23 | 4 1 | 23 35 | 0 23 | 2 7 | 2 18 | 12 13 | 0 26 | 16 29 | 0 19 | 9 10 | 16 50 | 23 25 | 23 28 | 23 43 | 14 28 | 2 31 |
| F 19 | 8 28 | 23 6 | 1 35 | 17 16 | 0 11 | 5 9 | 0 10 | 7 32 | 4 1 | 23 35 | 0 23 | 2 10 | 2 18 | 12 13 | 0 26 | 16 29 | 0 19 | 9 9 | 16 50 | 23 26 | 23 28 | 23 43 | 14 29 | 2 31 |
| S 20 | 8 5 | 21 32 | 2 33 | 17 13 | 0s 1 | 5 40 | 0 7 | 7 40 | 4 0 | 23 35 | 0 23 | 2 13 | 2 18 | 12 14 | 0 26 | 16 28 | 0 19 | 9 8 | 16 50 | 23 26 | 23 28 | 23 43 | 14 30 | 2 31 |
| S 21 | 7 43 | 18 59 | 3 25 | 17 9 | 0 11 | 6 11 | 0 4 | 7 48 | 4 0 | 23 35 | 0 23 | 2 15 | 2 18 | 12 15 | 0 26 | 16 27 | 0 19 | 9 8 | 16 50 | 23 26 | 23 28 | 23 44 | 14 30 | 2 31 |
| M22 | 7 20 | 15 33 | 4 8 | 17 4 | 0 22 | 6 42 | 0 0 | 7 57 | 4 0 | 23 35 | 0 23 | 2 18 | 2 18 | 12 16 | 0 26 | 16 27 | 0 19 | 9 7 | 16 49 | 23 26 | 23 29 | 23 44 | 14 31 | 2 31 |
| T 23 | 6 57 | 11 22 | 4 39 | 16 57 | 0 32 | 7 13 | 0n 3 | 8 5 | 3 59 | 23 36 | 0 23 | 2 21 | 2 18 | 12 17 | 0 26 | 16 26 | 0 19 | 9 6 | 16 49 | 23 27 | 23 29 | 23 44 | 14 32 | 2 31 |
| W24 | 6 34 | 6 37 | 4 58 | 16 49 | 0 42 | 7 43 | 0 6 | 8 14 | 3 59 | 23 36 | 0 23 | 2 24 | 2 18 | 12 18 | 0 26 | 16 25 | 0 19 | 9 6 | 16 49 | 23 27 | 23 29 | 23 45 | 14 32 | 2 31 |
| T 25 | 6 11 | 1 29 | 5 1 | 16 39 | 0 51 | 8 14 | 0 10 | 8 22 | 3 58 | 23 36 | 0 23 | 2 27 | 2 17 | 12 18 | 0 26 | 16 25 | 0 19 | 9 5 | 16 49 | 23 28 | 23 29 | 23 45 | 14 33 | 2 31 |
| F 26 | 5 48 | 3s47 | 4 49 | 16 27 | 1 0 | 8 44 | 0 13 | 8 31 | 3 57 | 23 36 | 0 23 | 2 30 | 2 17 | 12 19 | 0 26 | 16 24 | 0 19 | 9 4 | 16 49 | 23 28 | 23 29 | 23 45 | 14 34 | 2 31 |
| S 27 | 5 25 | 8 58 | 4 20 | 16 15 | 1 8 | 9 14 | 0 17 | 8 39 | 3 57 | 23 36 | 0 23 | 2 33 | 2 17 | 12 20 | 0 26 | 16 24 | 0 19 | 9 4 | 16 49 | 23 28 | 23 29 | 23 45 | 14 35 | 2 31 |
| S 28 | 5s 1 | 13s47 | 3n37 | 16s 0 | 1s16 | 9n44 | 0n20 | 8n48 | 3n56 | 23n36 | 0n23 | 2n36 | 2s17 | 12n21 | 0s26 | 16s23 | 0s19 | 9s 3 | 16s48 | 23n28 | 23n29 | 23n46 | 14n36 | 2s31 |

Julian Day Number = 2214176.5, Delta T = 09m09s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'31, Lahiri = 14°47'31 Julian Calendar 1 Feb. 1350 == Greg. Calendar 9 Feb. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## MARCH 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 5 45 | 18♓19'19 | 1♐45 | 21♒23 | 25♈23 | 16°R32 | 9♋ 7 | 11♈57 | 3♉38 | 16♒ 6 | 16♈24 | 3°R40 | 3♋12 | 12♋19 | 17♉ 9 | M 1 |
| T 2 | 11 9 42 | 19°18'55 | 15°38 | 22°36 | 26°34 | 16♏ 9 | 9° 8 | 12° 5 | 3°40 | 16° 8 | 16°25 | 3°D39 | 3° 9 | 12°25 | 17°11 | T 2 |
| W 3 | 11 13 38 | 20°18'31 | 29°41 | 23°52 | 27°45 | 15°45 | 9° 9 | 12°12 | 3°43 | 16°10 | 16°26 | 3°R39 | 3° 6 | 12°32 | 17°14 | W 3 |
| T 4 | 11 17 35 | 21°18'04 | 13♑53 | 25° 9 | 28°56 | 15°22 | 9°10 | 12°19 | 3°46 | 16°12 | 16°28 | 3♋39 | 3° 2 | 12°39 | 17°17 | T 4 |
| F 5 | 11 21 31 | 22°17'36 | 28°12 | 26°27 | 0♉ 7 | 14°58 | 9°12 | 12°27 | 3°48 | 16°14 | 16°29 | 3°37 | 2°59 | 12°45 | 17°20 | F 5 |
| S 6 | 11 25 28 | 23°17'05 | 12♒37 | 27°48 | 1°18 | 14°35 | 9°13 | 12°34 | 3°51 | 16°16 | 16°30 | 3°33 | 2°56 | 12°52 | 17°23 | S 6 |
| S 7 | 11 29 25 | 24°16'33 | 27° 2 | 29°10 | 2°29 | 14°12 | 9°15 | 12°41 | 3°54 | 16°18 | 16°32 | 3°26 | 2°53 | 12°59 | 17°26 | S 7 |
| M 8 | 11 33 21 | 25°15'59 | 11♓23 | 0♓34 | 3°40 | 13°50 | 9°17 | 12°49 | 3°57 | 16°20 | 16°33 | 3°16 | 2°50 | 13° 5 | 17°29 | M 8 |
| T 9 | 11 37 18 | 26°15'23 | 25°34 | 2° 0 | 4°50 | 13°28 | 9°19 | 12°56 | 4° 0 | 16°22 | 16°34 | 3° 4 | 2°47 | 13°12 | 17°32 | T 9 |
| W10 | 11 41 14 | 27°14'45 | 9♈28 | 3°27 | 6° 1 | 13° 6 | 9°21 | 13° 4 | 4° 3 | 16°23 | 16°36 | 2°51 | 2°43 | 13°19 | 17°35 | W10 |
| T 11 | 11 45 11 | 28°14'04 | 23° 2 | 4°55 | 7°11 | 12°44 | 9°24 | 13°11 | 4° 6 | 16°25 | 16°37 | 2°40 | 2°40 | 13°25 | 17°39 | T 11 |
| F 12 | 11 49 7 | 29°13'22 | 6♉14 | 6°25 | 8°21 | 12°23 | 9°27 | 13°19 | 4° 9 | 16°27 | 16°38 | 2°29 | 2°37 | 13°32 | 17°42 | F 12 |
| S 13 | 11 53 4 | 0♈12'37 | 19° 2 | 7°57 | 9°32 | 12° 2 | 9°30 | 13°26 | 4°12 | 16°29 | 16°40 | 2°22 | 2°34 | 13°39 | 17°45 | S 13 |
| S 14 | 11 57 0 | 1°11'50 | 1♊30 | 9°30 | 10°42 | 11°42 | 9°33 | 13°34 | 4°15 | 16°31 | 16°41 | 2°17 | 2°31 | 13°45 | 17°49 | S 14 |
| M15 | 12 0 57 | 2°11'00 | 13°40 | 11° 4 | 11°51 | 11°23 | 9°36 | 13°41 | 4°18 | 16°32 | 16°42 | 2°14 | 2°28 | 13°52 | 17°52 | M15 |
| T 16 | 12 4 54 | 3°10'09 | 25°37 | 12°40 | 13° 1 | 11° 3 | 9°39 | 13°49 | 4°21 | 16°34 | 16°44 | 2°14 | 2°24 | 13°59 | 17°55 | T 16 |
| W17 | 12 8 50 | 4° 9'15 | 7♋27 | 14°17 | 14°11 | 10°45 | 9°43 | 13°56 | 4°24 | 16°36 | 16°45 | 2°14 | 2°21 | 14° 5 | 17°59 | W17 |
| T 18 | 12 12 47 | 5° 8'18 | 19°15 | 15°56 | 15°20 | 10°27 | 9°47 | 14° 4 | 4°27 | 16°37 | 16°46 | 2°13 | 2°18 | 14°12 | 18° 2 | T 18 |
| F 19 | 12 16 43 | 6° 7'20 | 1♌ 7 | 17°36 | 16°30 | 10°10 | 9°51 | 14°12 | 4°30 | 16°39 | 16°48 | 2°11 | 2°15 | 14°18 | 18° 6 | F 19 |
| S 20 | 12 20 40 | 7° 6'19 | 13° 7 | 19°18 | 17°39 | 9°54 | 9°55 | 14°19 | 4°33 | 16°41 | 16°49 | 2° 7 | 2°12 | 14°25 | 18°10 | S 20 |
| S 21 | 12 24 36 | 8° 5'16 | 25°19 | 21° 1 | 18°48 | 9°38 | 9°59 | 14°27 | 4°36 | 16°42 | 16°51 | 2° 0 | 2° 8 | 14°32 | 18°13 | S 21 |
| M22 | 12 28 33 | 9° 4'10 | 7♍48 | 22°46 | 19°57 | 9°23 | 10° 3 | 14°34 | 4°40 | 16°44 | 16°52 | 1°51 | 2° 5 | 14°38 | 18°17 | M22 |
| T 23 | 12 32 29 | 10° 3'02 | 20°35 | 24°32 | 21° 6 | 9° 8 | 10° 8 | 14°42 | 4°43 | 16°45 | 16°53 | 1°39 | 2° 2 | 14°45 | 18°21 | T 23 |
| W24 | 12 36 26 | 11° 1'52 | 3♎40 | 26°19 | 22°14 | 8°55 | 10°13 | 14°50 | 4°46 | 16°47 | 16°55 | 1°26 | 1°59 | 14°52 | 18°24 | W24 |
| T 25 | 12 40 22 | 12° 0'40 | 17° 2 | 28° 9 | 23°23 | 8°42 | 10°18 | 14°57 | 4°49 | 16°48 | 16°56 | 1°14 | 1°56 | 14°58 | 18°28 | T 25 |
| F 26 | 12 44 19 | 12°59'26 | 0♏39 | 29°59 | 24°31 | 8°29 | 10°23 | 15° 5 | 4°53 | 16°50 | 16°58 | 1° 3 | 1°53 | 15° 5 | 18°32 | F 26 |
| S 27 | 12 48 16 | 13°58'10 | 14°28 | 1♈51 | 25°39 | 8°18 | 10°28 | 15°13 | 4°56 | 16°51 | 16°59 | 0°54 | 1°49 | 15°12 | 18°36 | S 27 |
| S 28 | 12 52 12 | 14°56'53 | 28°25 | 3°45 | 26°47 | 8° 7 | 10°33 | 15°20 | 4°59 | 16°53 | 17° 0 | 0°48 | 1°46 | 15°18 | 18°40 | S 28 |
| M29 | 12 56 9 | 15°55'33 | 12♐27 | 5°40 | 27°55 | 7°57 | 10°39 | 15°28 | 5° 2 | 16°54 | 17° 2 | 0°44 | 1°43 | 15°25 | 18°43 | M29 |
| T 30 | 13 0 5 | 16°54'12 | 26°33 | 7°37 | 29° 3 | 7°48 | 10°45 | 15°36 | 5° 6 | 16°55 | 17° 3 | 0°D43 | 1°40 | 15°32 | 18°47 | T 30 |
| W31 | 13 4 2 | 17♈52'50 | 10♑39 | 9♈35 | 0♊10 | 7♍40 | 10♋51 | 15♈43 | 5♉ 9 | 16♒57 | 17♈ 5 | 0°R43 | 1♋37 | 15♋38 | 18♉51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s38 | 17s58 | 2n41 | 15s44 | 1s23 | 10n13 | 0n24 | 8n56 | 3n55 | 23n36 | 0n23 | 2n38 | 2s17 | 12n22 | 0s26 | 16s22 | 0s19 | 9s 3 | 16s48 | 23n28 | 23n29 | 23n46 | 14n36 | 2s30 |
| T 2 | 4 15 | 21 11 | 1 34 | 15 27 | 1 31 | 10 42 | 0 27 | 9 4 | 3 53 | 23 36 | 0 23 | 2 41 | 2 17 | 12 23 | 0 26 | 16 22 | 0 19 | 9 2 | 16 48 | 23 28 | 23 29 | 23 46 | 14 37 | 2 30 |
| W 3 | 3 51 | 23 10 | 0 21 | 15 9 | 1 37 | 11 11 | 0 31 | 9 12 | 3 52 | 23 36 | 0 23 | 2 44 | 2 17 | 12 24 | 0 26 | 16 21 | 0 19 | 9 1 | 16 48 | 23 28 | 23 29 | 23 46 | 14 38 | 2 30 |
| T 4 | 3 28 | 23 41 | 0s54 | 14 49 | 1 43 | 11 40 | 0 34 | 9 20 | 3 51 | 23 36 | 0 23 | 2 47 | 2 17 | 12 25 | 0 26 | 16 21 | 0 19 | 9 1 | 16 48 | 23 28 | 23 29 | 23 47 | 14 39 | 2 30 |
| F 5 | 3 4 | 22 39 | 2 6 | 14 27 | 1 49 | 12 9 | 0 38 | 9 28 | 3 50 | 23 36 | 0 24 | 2 50 | 2 17 | 12 26 | 0 26 | 16 20 | 0 19 | 9 0 | 16 47 | 23 28 | 23 29 | 23 47 | 14 40 | 2 30 |
| S 6 | 2 41 | 20 8 | 3 11 | 14 4 | 1 55 | 12 37 | 0 41 | 9 35 | 3 48 | 23 36 | 0 24 | 2 53 | 2 17 | 12 27 | 0 26 | 16 20 | 0 19 | 8 59 | 16 47 | 23 29 | 23 29 | 23 47 | 14 41 | 2 30 |
| S 7 | 2 17 | 16 20 | 4 3 | 13 40 | 1 59 | 13 5 | 0 45 | 9 43 | 3 46 | 23 36 | 0 24 | 2 56 | 2 17 | 12 28 | 0 26 | 16 19 | 0 19 | 8 59 | 16 47 | 23 29 | 23 30 | 23 47 | 14 42 | 2 30 |
| M 8 | 1 53 | 11 37 | 4 39 | 13 14 | 2 4 | 13 33 | 0 49 | 9 50 | 3 45 | 23 35 | 0 24 | 2 59 | 2 17 | 12 29 | 0 26 | 16 19 | 0 20 | 8 58 | 16 47 | 23 29 | 23 30 | 23 48 | 14 42 | 2 30 |
| T 9 | 1 30 | 6 19 | 4 58 | 12 47 | 2 8 | 14 0 | 0 52 | 9 57 | 3 43 | 23 35 | 0 24 | 3 2 | 2 17 | 12 30 | 0 26 | 16 18 | 0 20 | 8 58 | 16 47 | 23 29 | 23 30 | 23 48 | 14 43 | 2 30 |
| W10 | 1 6 | 0 49 | 4 59 | 12 19 | 2 11 | 14 27 | 0 56 | 10 4 | 3 41 | 23 35 | 0 24 | 3 5 | 2 16 | 12 31 | 0 25 | 16 17 | 0 20 | 8 57 | 16 47 | 23 30 | 23 30 | 23 48 | 14 44 | 2 30 |
| T 11 | 0 42 | 4n37 | 4 42 | 11 49 | 2 14 | 14 54 | 1 0 | 10 11 | 3 39 | 23 35 | 0 24 | 3 8 | 2 16 | 12 32 | 0 25 | 16 17 | 0 20 | 8 56 | 16 47 | 23 30 | 23 30 | 23 48 | 14 45 | 2 30 |
| F 12 | 0 19 | 9 42 | 4 11 | 11 18 | 2 17 | 15 20 | 1 3 | 10 17 | 3 37 | 23 35 | 0 24 | 3 11 | 2 16 | 12 33 | 0 25 | 16 16 | 0 20 | 8 56 | 16 47 | 23 30 | 23 30 | 23 48 | 14 46 | 2 30 |
| S 13 | 0n 5 | 14 13 | 3 27 | 10 46 | 2 19 | 15 46 | 1 7 | 10 23 | 3 35 | 23 35 | 0 24 | 3 14 | 2 16 | 12 34 | 0 25 | 16 16 | 0 20 | 8 55 | 16 46 | 23 30 | 23 30 | 23 48 | 14 47 | 2 30 |
| S 14 | 0 29 | 18 0 | 2 35 | 10 13 | 2 21 | 16 12 | 1 10 | 10 29 | 3 33 | 23 35 | 0 24 | 3 17 | 2 16 | 12 35 | 0 25 | 16 15 | 0 20 | 8 55 | 16 46 | 23 30 | 23 30 | 23 49 | 14 48 | 2 30 |
| M15 | 0 52 | 20 55 | 1 37 | 9 38 | 2 22 | 16 37 | 1 14 | 10 34 | 3 31 | 23 34 | 0 24 | 3 20 | 2 16 | 12 36 | 0 25 | 16 15 | 0 20 | 8 54 | 16 46 | 23 30 | 23 30 | 23 49 | 14 49 | 2 30 |
| T 16 | 1 16 | 22 52 | 0 35 | 9 1 | 2 23 | 17 2 | 1 18 | 10 40 | 3 29 | 23 34 | 0 24 | 3 23 | 2 16 | 12 37 | 0 25 | 16 14 | 0 20 | 8 53 | 16 46 | 23 30 | 23 30 | 23 49 | 14 50 | 2 30 |
| W17 | 1 39 | 23 46 | 0n28 | 8 24 | 2 23 | 17 26 | 1 21 | 10 45 | 3 27 | 23 34 | 0 24 | 3 26 | 2 16 | 12 38 | 0 25 | 16 14 | 0 20 | 8 53 | 16 46 | 23 30 | 23 30 | 23 49 | 14 51 | 2 30 |
| T 18 | 2 3 | 23 36 | 1 29 | 7 45 | 2 23 | 17 50 | 1 25 | 10 49 | 3 24 | 23 34 | 0 24 | 3 29 | 2 16 | 12 39 | 0 25 | 16 13 | 0 20 | 8 52 | 16 46 | 23 30 | 23 30 | 23 49 | 14 52 | 2 30 |
| F 19 | 2 26 | 22 22 | 2 27 | 7 5 | 2 22 | 18 14 | 1 28 | 10 54 | 3 22 | 23 33 | 0 24 | 3 32 | 2 16 | 12 40 | 0 25 | 16 13 | 0 20 | 8 52 | 16 46 | 23 30 | 23 30 | 23 49 | 14 53 | 2 30 |
| S 20 | 2 50 | 20 6 | 3 18 | 6 24 | 2 21 | 18 37 | 1 32 | 10 58 | 3 19 | 23 33 | 0 24 | 3 35 | 2 16 | 12 41 | 0 25 | 16 12 | 0 20 | 8 51 | 16 46 | 23 30 | 23 30 | 23 50 | 14 54 | 2 30 |
| S 21 | 3 13 | 16 55 | 4 2 | 5 42 | 2 19 | 19 0 | 1 35 | 11 1 | 3 17 | 23 33 | 0 24 | 3 38 | 2 16 | 12 42 | 0 25 | 16 12 | 0 20 | 8 50 | 16 46 | 23 31 | 23 30 | 23 50 | 14 55 | 2 30 |
| M22 | 3 36 | 12 55 | 4 35 | 4 58 | 2 17 | 19 22 | 1 39 | 11 5 | 3 14 | 23 33 | 0 24 | 3 41 | 2 16 | 12 43 | 0 25 | 16 11 | 0 20 | 8 50 | 16 46 | 23 31 | 23 30 | 23 50 | 14 56 | 2 30 |
| T 23 | 4 0 | 8 16 | 4 55 | 4 14 | 2 14 | 19 44 | 1 42 | 11 8 | 3 12 | 23 32 | 0 24 | 3 43 | 2 16 | 12 45 | 0 25 | 16 11 | 0 20 | 8 49 | 16 46 | 23 31 | 23 30 | 23 50 | 14 57 | 2 30 |
| W24 | 4 23 | 3 8 | 5 0 | 3 28 | 2 11 | 20 6 | 1 45 | 11 11 | 3 9 | 23 32 | 0 24 | 3 46 | 2 16 | 12 46 | 0 25 | 16 11 | 0 20 | 8 49 | 16 46 | 23 31 | 23 31 | 23 50 | 14 58 | 2 30 |
| T 25 | 4 46 | 2s16 | 4 49 | 2 41 | 2 7 | 20 26 | 1 49 | 11 13 | 3 7 | 23 32 | 0 24 | 3 49 | 2 16 | 12 47 | 0 25 | 16 10 | 0 20 | 8 48 | 16 46 | 23 31 | 23 31 | 23 50 | 14 59 | 2 30 |
| F 26 | 5 9 | 7 39 | 4 22 | 1 53 | 2 3 | 20 47 | 1 52 | 11 16 | 3 4 | 23 31 | 0 24 | 3 52 | 2 16 | 12 48 | 0 25 | 16 10 | 0 20 | 8 48 | 16 46 | 23 31 | 23 31 | 23 50 | 15 0 | 2 30 |
| S 27 | 5 32 | 12 45 | 3 39 | 1 4 | 1 58 | 21 7 | 1 55 | 11 17 | 3 2 | 23 31 | 0 24 | 3 55 | 2 16 | 12 49 | 0 25 | 16 9 | 0 20 | 8 47 | 16 45 | 23 31 | 23 31 | 23 50 | 15 1 | 2 30 |
| S 28 | 5 55 | 17 14 | 2 42 | 0 13 | 1 52 | 21 26 | 1 59 | 11 19 | 2 59 | 23 30 | 0 24 | 3 58 | 2 16 | 12 50 | 0 25 | 16 9 | 0 20 | 8 47 | 16 45 | 23 31 | 23 31 | 23 50 | 15 2 | 2 30 |
| M29 | 6 17 | 20 48 | 1 35 | 0n38 | 1 47 | 21 45 | 2 2 | 11 20 | 2 56 | 23 30 | 0 24 | 4 1 | 2 16 | 12 51 | 0 25 | 16 9 | 0 20 | 8 46 | 16 45 | 23 31 | 23 31 | 23 51 | 15 3 | 2 30 |
| T 30 | 6 40 | 23 7 | 0 22 | 1 30 | 1 40 | 22 3 | 2 5 | 11 21 | 2 54 | 23 30 | 0 25 | 4 4 | 2 16 | 12 52 | 0 25 | 16 8 | 0 20 | 8 46 | 16 45 | 23 31 | 23 31 | 23 51 | 15 4 | 2 30 |
| W31 | 7n 2 | 23s58 | 0s53 | 2n23 | 1s33 | 22n21 | 2n 8 | 11n22 | 2n51 | 23n29 | 0n25 | 4n 7 | 2s16 | 12n53 | 0s25 | 16s 8 | 0s20 | 8s45 | 16s45 | 23n31 | 23n31 | 23n51 | 15n 5 | 2s30 |

Julian Day Number = 2214204.5, Delta T = 09m09s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'34, Lahiri = 14°47'35 Julian Calendar 1 March 1350 == Greg. Calendar 9 March 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## APRIL 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 7 58 | 18♈51'25 | 24♑46 | 11♈35 | 1♊18 | 7°R33 | 10♋57 | 15♈51 | 5♉12 | 16♒58 | 17♈ 6 | 0°R43 | 1♋33 | 15♋45 | 18♉55 | T 1 |
| F 2 | 13 11 55 | 19°49'59 | 8♒53 | 13°36 | 2°25 | 7♍26 | 11° 3 | 15°59 | 5°16 | 16°59 | 17° 7 | 0♋42 | 1°30 | 15°52 | 18°59 | F 2 |
| S 3 | 13 15 51 | 20°48'32 | 22°57 | 15°39 | 3°32 | 7°20 | 11° 9 | 16° 6 | 5°19 | 17° 1 | 17° 9 | 0°39 | 1°27 | 15°58 | 19° 3 | S 3 |
| S 4 | 13 19 48 | 21°47'02 | 6♓58 | 17°43 | 4°39 | 7°15 | 11°16 | 16°14 | 5°23 | 17° 2 | 17°10 | 0°32 | 1°24 | 16° 5 | 19° 8 | S 4 |
| M 5 | 13 23 45 | 22°45'31 | 20°52 | 19°48 | 5°45 | 7°10 | 11°22 | 16°22 | 5°26 | 17° 3 | 17°12 | 0°24 | 1°21 | 16°11 | 19°12 | M 5 |
| T 6 | 13 27 41 | 23°43'58 | 4♈37 | 21°54 | 6°52 | 7° 7 | 11°29 | 16°29 | 5°29 | 17° 4 | 17°13 | 0°13 | 1°18 | 16°18 | 19°16 | T 6 |
| W 7 | 13 31 38 | 24°42'23 | 18° 8 | 24° 1 | 7°58 | 7° 4 | 11°36 | 16°37 | 5°33 | 17° 5 | 17°14 | 0° 2 | 1°14 | 16°25 | 19°20 | W 7 |
| T 8 | 13 35 34 | 25°40'47 | 1♉23 | 26° 9 | 9° 4 | 7° 2 | 11°43 | 16°44 | 5°36 | 17° 6 | 17°16 | 29♊52 | 1°11 | 16°31 | 19°24 | T 8 |
| F 9 | 13 39 31 | 26°39'08 | 14°21 | 28°17 | 10°10 | 7° 1 | 11°50 | 16°52 | 5°40 | 17° 8 | 17°17 | 29°43 | 1° 8 | 16°38 | 19°28 | F 9 |
| S 10 | 13 43 27 | 27°37'28 | 27° 1 | 0♉26 | 11°15 | 7°D 0 | 11°57 | 17° 0 | 5°43 | 17° 9 | 17°19 | 29°36 | 1° 5 | 16°45 | 19°32 | S 10 |
| S 11 | 13 47 24 | 28°35'46 | 9♊23 | 2°35 | 12°21 | 7° 0 | 12° 5 | 17° 7 | 5°47 | 17°10 | 17°20 | 29°31 | 1° 2 | 16°51 | 19°37 | S 11 |
| M12 | 13 51 20 | 29°34'01 | 21°31 | 4°44 | 13°26 | 7° 1 | 12°12 | 17°15 | 5°50 | 17°11 | 17°21 | 29°29 | 0°59 | 16°58 | 19°41 | M12 |
| T 13 | 13 55 17 | 0♉32'15 | 3♋28 | 6°52 | 14°31 | 7° 3 | 12°20 | 17°22 | 5°54 | 17°12 | 17°23 | 29°D29 | 0°55 | 17° 5 | 19°45 | T 13 |
| W14 | 13 59 14 | 1°30'27 | 15°18 | 9° 0 | 15°36 | 7° 6 | 12°28 | 17°30 | 5°57 | 17°13 | 17°24 | 29°30 | 0°52 | 17°11 | 19°50 | W14 |
| T 15 | 14 3 10 | 2°28'37 | 27° 6 | 11° 6 | 16°40 | 7° 9 | 12°36 | 17°37 | 6° 0 | 17°13 | 17°25 | 29°R30 | 0°49 | 17°18 | 19°54 | T 15 |
| F 16 | 14 7 7 | 3°26'45 | 8♌59 | 13°12 | 17°44 | 7°13 | 12°44 | 17°45 | 6° 4 | 17°14 | 17°27 | 29°30 | 0°46 | 17°25 | 19°58 | F 16 |
| S 17 | 14 11 3 | 4°24'50 | 21° 0 | 15°15 | 18°48 | 7°17 | 12°52 | 17°52 | 6° 7 | 17°15 | 17°28 | 29°29 | 0°43 | 17°31 | 20° 3 | S 17 |
| S 18 | 14 15 0 | 5°22'54 | 3♍15 | 17°17 | 19°52 | 7°23 | 13° 1 | 18° 0 | 6°11 | 17°16 | 17°29 | 29°25 | 0°39 | 17°38 | 20° 7 | S 18 |
| M19 | 14 18 56 | 6°20'56 | 15°48 | 19°17 | 20°55 | 7°29 | 13° 9 | 18° 7 | 6°14 | 17°17 | 17°31 | 29°20 | 0°36 | 17°45 | 20°11 | M19 |
| T 20 | 14 22 53 | 7°18'56 | 28°42 | 21°14 | 21°58 | 7°35 | 13°18 | 18°14 | 6°18 | 17°17 | 17°32 | 29°12 | 0°33 | 17°51 | 20°16 | T 20 |
| W21 | 14 26 49 | 8°16'54 | 11♎59 | 23° 9 | 23° 1 | 7°43 | 13°26 | 18°22 | 6°21 | 17°18 | 17°33 | 29° 4 | 0°30 | 17°58 | 20°20 | W21 |
| T 22 | 14 30 46 | 9°14'50 | 25°37 | 25° 1 | 24° 4 | 7°51 | 13°35 | 18°29 | 6°25 | 17°19 | 17°35 | 28°56 | 0°27 | 18° 5 | 20°24 | T 22 |
| F 23 | 14 34 43 | 10°12'45 | 9♏35 | 26°50 | 25° 6 | 7°59 | 13°44 | 18°36 | 6°28 | 17°19 | 17°36 | 28°48 | 0°24 | 18°11 | 20°29 | F 23 |
| S 24 | 14 38 39 | 11°10'38 | 23°48 | 28°36 | 26° 8 | 8° 8 | 13°53 | 18°44 | 6°32 | 17°20 | 17°37 | 28°42 | 0°20 | 18°18 | 20°33 | S 24 |
| S 25 | 14 42 36 | 12° 8'30 | 8♐11 | 0♊18 | 27° 9 | 8°18 | 14° 2 | 18°51 | 6°35 | 17°21 | 17°39 | 28°38 | 0°17 | 18°24 | 20°38 | S 25 |
| M26 | 14 46 32 | 13° 6'20 | 22°38 | 1°58 | 28°10 | 8°29 | 14°12 | 18°58 | 6°39 | 17°21 | 17°40 | 28°D37 | 0°14 | 18°31 | 20°42 | M26 |
| T 27 | 14 50 29 | 14° 4'09 | 7♑ 5 | 3°34 | 29°11 | 8°40 | 14°21 | 19° 5 | 6°42 | 17°22 | 17°41 | 28°37 | 0°11 | 18°38 | 20°47 | T 27 |
| W28 | 14 54 25 | 15° 1'57 | 21°28 | 5° 6 | 0♋12 | 8°51 | 14°30 | 19°13 | 6°45 | 17°22 | 17°43 | 28°38 | 0° 8 | 18°44 | 20°51 | W28 |
| T 29 | 14 58 22 | 15°59'44 | 5♒43 | 6°35 | 1°12 | 9° 3 | 14°40 | 19°20 | 6°49 | 17°23 | 17°44 | 28°39 | 0° 5 | 18°51 | 20°56 | T 29 |
| F 30 | 15 2 18 | 16♉57'30 | 19♒49 | 8♊ 1 | 2♋12 | 9♍16 | 14♋50 | 19♈27 | 6♉52 | 17♒23 | 17♈45 | 28°R39 | 0♋ 1 | 18♋58 | 21♉ 0 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n25 | 23s17 | 2s 4 | 3n17 | 1s26 | 22n38 | 2n11 | 11n22 | 2n48 | 23n29 | 0n25 | 4n10 | 2s16 | 12n55 | 0s25 | 16s 7 | 0s20 | 8s44 | 16s45 | 23n31 | 23n31 | 23n51 | 15n 7 | 2s30 |
| F 2 | 7 47 | 21 7 | 3 8 | 4 11 | 1 18 | 22 55 | 2 14 | 11 22 | 2 46 | 23 28 | 0 25 | 4 13 | 2 16 | 12 56 | 0 25 | 16 7 | 0 20 | 8 44 | 16 45 | 23 31 | 23 31 | 23 51 | 15 8 | 2 30 |
| S 3 | 8 9 | 17 41 | 4 0 | 5 6 | 1 10 | 23 11 | 2 17 | 11 22 | 2 43 | 23 28 | 0 25 | 4 16 | 2 16 | 12 57 | 0 25 | 16 7 | 0 20 | 8 43 | 16 45 | 23 31 | 23 31 | 23 51 | 15 9 | 2 30 |
| S 4 | 8 31 | 13 17 | 4 38 | 6 2 | 1 1 | 23 26 | 2 20 | 11 21 | 2 40 | 23 27 | 0 25 | 4 19 | 2 16 | 12 58 | 0 25 | 16 6 | 0 20 | 8 43 | 16 45 | 23 31 | 23 31 | 23 51 | 15 10 | 2 30 |
| M 5 | 8 53 | 8 12 | 4 59 | 6 58 | 0 52 | 23 41 | 2 23 | 11 21 | 2 38 | 23 27 | 0 25 | 4 22 | 2 16 | 12 59 | 0 25 | 16 6 | 0 20 | 8 42 | 16 45 | 23 31 | 23 31 | 23 51 | 15 11 | 2 30 |
| T 6 | 9 15 | 2 47 | 5 2 | 7 54 | 0 43 | 23 56 | 2 26 | 11 19 | 2 35 | 23 26 | 0 25 | 4 25 | 2 16 | 13 0 | 0 25 | 16 6 | 0 20 | 8 42 | 16 45 | 23 31 | 23 31 | 23 51 | 15 12 | 2 30 |
| W 7 | 9 36 | 2n42 | 4 48 | 8 50 | 0 33 | 24 9 | 2 28 | 11 18 | 2 32 | 23 26 | 0 25 | 4 28 | 2 16 | 13 1 | 0 25 | 16 5 | 0 20 | 8 41 | 16 45 | 23 31 | 23 31 | 23 51 | 15 13 | 2 30 |
| T 8 | 9 58 | 7 57 | 4 19 | 9 46 | 0 23 | 24 22 | 2 31 | 11 16 | 2 30 | 23 25 | 0 25 | 4 30 | 2 16 | 13 3 | 0 25 | 16 5 | 0 20 | 8 41 | 16 46 | 23 31 | 23 31 | 23 51 | 15 14 | 2 30 |
| F 9 | 10 19 | 12 45 | 3 37 | 10 42 | 0 13 | 24 35 | 2 34 | 11 14 | 2 27 | 23 24 | 0 25 | 4 33 | 2 16 | 13 4 | 0 25 | 16 5 | 0 20 | 8 41 | 16 46 | 23 31 | 23 31 | 23 51 | 15 15 | 2 30 |
| S 10 | 10 40 | 16 53 | 2 44 | 11 38 | 0 2 | 24 47 | 2 36 | 11 12 | 2 24 | 23 24 | 0 25 | 4 36 | 2 16 | 13 5 | 0 25 | 16 4 | 0 20 | 8 40 | 16 46 | 23 31 | 23 31 | 23 51 | 15 16 | 2 30 |
| S 11 | 11 1 | 20 12 | 1 45 | 12 33 | 0n 9 | 24 58 | 2 38 | 11 10 | 2 22 | 23 23 | 0 25 | 4 39 | 2 16 | 13 6 | 0 25 | 16 4 | 0 20 | 8 40 | 16 46 | 23 31 | 23 31 | 23 51 | 15 18 | 2 30 |
| M12 | 11 22 | 22 33 | 0 43 | 13 27 | 0 19 | 25 9 | 2 41 | 11 7 | 2 19 | 23 22 | 0 25 | 4 42 | 2 16 | 13 7 | 0 25 | 16 4 | 0 20 | 8 39 | 16 46 | 23 31 | 23 31 | 23 51 | 15 19 | 2 30 |
| T 13 | 11 42 | 23 50 | 0n21 | 14 20 | 0 30 | 25 19 | 2 43 | 11 4 | 2 16 | 23 22 | 0 25 | 4 45 | 2 16 | 13 8 | 0 25 | 16 3 | 0 20 | 8 39 | 16 46 | 23 31 | 23 31 | 23 51 | 15 20 | 2 30 |
| W14 | 12 2 | 24 2 | 1 24 | 15 11 | 0 41 | 25 29 | 2 45 | 11 0 | 2 14 | 23 21 | 0 25 | 4 48 | 2 16 | 13 10 | 0 25 | 16 3 | 0 20 | 8 38 | 16 46 | 23 31 | 23 31 | 23 51 | 15 21 | 2 30 |
| T 15 | 12 23 | 23 9 | 2 23 | 16 1 | 0 51 | 25 38 | 2 47 | 10 57 | 2 11 | 23 20 | 0 25 | 4 50 | 2 16 | 13 11 | 0 25 | 16 3 | 0 20 | 8 38 | 16 46 | 23 31 | 23 31 | 23 51 | 15 22 | 2 30 |
| F 16 | 12 42 | 21 13 | 3 16 | 16 50 | 1 1 | 25 46 | 2 49 | 10 53 | 2 9 | 23 20 | 0 25 | 4 53 | 2 16 | 13 12 | 0 25 | 16 3 | 0 20 | 8 37 | 16 46 | 23 31 | 23 31 | 23 51 | 15 23 | 2 30 |
| S 17 | 13 2 | 18 21 | 4 1 | 17 36 | 1 11 | 25 53 | 2 51 | 10 49 | 2 6 | 23 19 | 0 25 | 4 56 | 2 16 | 13 13 | 0 25 | 16 2 | 0 20 | 8 37 | 16 46 | 23 31 | 23 31 | 23 51 | 15 24 | 2 30 |
| S 18 | 13 22 | 14 38 | 4 36 | 18 21 | 1 21 | 26 0 | 2 53 | 10 45 | 2 4 | 23 18 | 0 25 | 4 59 | 2 17 | 13 14 | 0 25 | 16 2 | 0 20 | 8 37 | 16 46 | 23 31 | 23 31 | 23 51 | 15 25 | 2 30 |
| M19 | 13 41 | 10 12 | 4 58 | 19 3 | 1 30 | 26 7 | 2 55 | 10 40 | 2 1 | 23 17 | 0 25 | 5 1 | 2 17 | 13 15 | 0 25 | 16 2 | 0 20 | 8 36 | 16 46 | 23 31 | 23 31 | 23 51 | 15 26 | 2 30 |
| T 20 | 14 0 | 5 12 | 5 7 | 19 43 | 1 38 | 26 13 | 2 56 | 10 35 | 1 59 | 23 17 | 0 25 | 5 4 | 2 17 | 13 16 | 0 25 | 16 2 | 0 20 | 8 36 | 16 46 | 23 31 | 23 31 | 23 51 | 15 28 | 2 30 |
| W21 | 14 19 | 0s10 | 4 59 | 20 20 | 1 46 | 26 18 | 2 58 | 10 30 | 1 57 | 23 16 | 0 25 | 5 7 | 2 17 | 13 18 | 0 25 | 16 2 | 0 20 | 8 35 | 16 47 | 23 31 | 23 31 | 23 51 | 15 29 | 2 30 |
| T 22 | 14 38 | 5 41 | 4 35 | 20 56 | 1 54 | 26 22 | 2 59 | 10 25 | 1 54 | 23 15 | 0 25 | 5 10 | 2 17 | 13 19 | 0 25 | 16 1 | 0 20 | 8 35 | 16 47 | 23 31 | 23 31 | 23 51 | 15 30 | 2 30 |
| F 23 | 14 56 | 11 3 | 3 53 | 21 28 | 2 0 | 26 26 | 3 0 | 10 20 | 1 52 | 23 14 | 0 25 | 5 12 | 2 17 | 13 20 | 0 25 | 16 1 | 0 20 | 8 35 | 16 47 | 23 31 | 23 31 | 23 51 | 15 31 | 2 30 |
| S 24 | 15 14 | 15 56 | 2 57 | 21 58 | 2 6 | 26 29 | 3 1 | 10 14 | 1 49 | 23 13 | 0 25 | 5 15 | 2 17 | 13 21 | 0 25 | 16 1 | 0 20 | 8 34 | 16 47 | 23 31 | 23 31 | 23 51 | 15 32 | 2 31 |
| S 25 | 15 32 | 19 58 | 1 48 | 22 26 | 2 11 | 26 32 | 3 2 | 10 8 | 1 47 | 23 12 | 0 25 | 5 18 | 2 17 | 13 22 | 0 25 | 16 1 | 0 21 | 8 34 | 16 47 | 23 31 | 23 31 | 23 51 | 15 33 | 2 31 |
| M26 | 15 50 | 22 47 | 0 32 | 22 51 | 2 16 | 26 34 | 3 3 | 10 2 | 1 45 | 23 11 | 0 25 | 5 20 | 2 17 | 13 23 | 0 25 | 16 1 | 0 21 | 8 34 | 16 47 | 23 31 | 23 31 | 23 50 | 15 34 | 2 31 |
| T 27 | 16 7 | 24 6 | 0s46 | 23 13 | 2 19 | 26 35 | 3 4 | 9 56 | 1 43 | 23 10 | 0 25 | 5 23 | 2 17 | 13 24 | 0 25 | 16 1 | 0 21 | 8 33 | 16 47 | 23 31 | 23 31 | 23 50 | 15 35 | 2 31 |
| W28 | 16 24 | 23 47 | 2 1 | 23 33 | 2 22 | 26 36 | 3 4 | 9 50 | 1 40 | 23 9 | 0 26 | 5 26 | 2 17 | 13 26 | 0 25 | 16 1 | 0 21 | 8 33 | 16 47 | 23 31 | 23 31 | 23 50 | 15 36 | 2 31 |
| T 29 | 16 41 | 21 56 | 3 7 | 23 51 | 2 24 | 26 36 | 3 5 | 9 43 | 1 38 | 23 8 | 0 26 | 5 28 | 2 17 | 13 27 | 0 25 | 16 0 | 0 21 | 8 33 | 16 48 | 23 31 | 23 31 | 23 50 | 15 38 | 2 31 |
| F 30 | 16n58 | 18s45 | 4s 2 | 24n 7 | 2n25 | 26n36 | 3n 5 | 9n36 | 1n36 | 23n 7 | 0n26 | 5n31 | 2s18 | 13n28 | 0s25 | 16s 0 | 0s21 | 8s32 | 16s48 | 23n31 | 23n31 | 23n50 | 15n39 | 2s31 |

Julian Day Number = 2214235.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'39, Lahiri = 14°47'39 Julian Calendar 1 Apr. 1350 == Greg. Calendar 9 Apr. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## MAY 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 6 15 | 17♉55'14 | 3♓44 | 9♊22 | 3♋11 | 9♍29 | 14♋59 | 19♈34 | 6♉56 | 17♒23 | 17♈46 | 28°R38 | 29♊58 | 19♋ 4 | 21♉ 5 | S 1 |
| S 2 | 15 10 12 | 18°52'57 | 17°28 | 10°40 | 4°10 | 9°43 | 15° 9 | 19°41 | 6°59 | 17°24 | 17°48 | 28♊35 | 29°55 | 19°11 | 21° 9 | S 2 |
| M 3 | 15 14 8 | 19°50'39 | 1♈ 1 | 11°55 | 5° 9 | 9°57 | 15°19 | 19°48 | 7° 3 | 17°24 | 17°49 | 28°31 | 29°52 | 19°18 | 21°14 | M 3 |
| T 4 | 15 18 5 | 20°48'20 | 14°21 | 13° 6 | 6° 7 | 10°12 | 15°29 | 19°55 | 7° 6 | 17°24 | 17°50 | 28°25 | 29°49 | 19°24 | 21°18 | T 4 |
| W 5 | 15 22 1 | 21°46'00 | 27°27 | 14°12 | 7° 5 | 10°27 | 15°39 | 20° 2 | 7° 9 | 17°25 | 17°51 | 28°19 | 29°45 | 19°31 | 21°23 | W 5 |
| T 6 | 15 25 58 | 22°43'39 | 10♉20 | 15°15 | 8° 2 | 10°43 | 15°50 | 20° 9 | 7°13 | 17°25 | 17°52 | 28°13 | 29°42 | 19°38 | 21°27 | T 6 |
| F 7 | 15 29 54 | 23°41'17 | 22°59 | 16°14 | 8°59 | 11° 0 | 16° 0 | 20°16 | 7°16 | 17°25 | 17°54 | 28° 8 | 29°39 | 19°44 | 21°32 | F 7 |
| S 8 | 15 33 51 | 24°38'53 | 5♊24 | 17° 9 | 9°55 | 11°16 | 16°10 | 20°22 | 7°19 | 17°25 | 17°55 | 28° 5 | 29°36 | 19°51 | 21°36 | S 8 |
| S 9 | 15 37 47 | 25°36'28 | 17°37 | 18° 0 | 10°51 | 11°34 | 16°21 | 20°29 | 7°23 | 17°25 | 17°56 | 28° 3 | 29°33 | 19°58 | 21°41 | S 9 |
| M10 | 15 41 44 | 26°34'02 | 29°38 | 18°47 | 11°47 | 11°51 | 16°31 | 20°36 | 7°26 | 17°26 | 17°57 | 28°D 2 | 29°30 | 20° 4 | 21°45 | M10 |
| T 11 | 15 45 41 | 27°31'35 | 11♋32 | 19°29 | 12°42 | 12°10 | 16°42 | 20°43 | 7°29 | 17°26 | 17°58 | 28° 3 | 29°26 | 20°11 | 21°50 | T 11 |
| W12 | 15 49 37 | 28°29'06 | 23°21 | 20° 7 | 13°36 | 12°28 | 16°53 | 20°49 | 7°33 | 17°R26 | 17°59 | 28° 4 | 29°23 | 20°18 | 21°54 | W12 |
| T 13 | 15 53 34 | 29°26'36 | 5♌ 9 | 20°41 | 14°30 | 12°47 | 17° 4 | 20°56 | 7°36 | 17°26 | 18° 0 | 28° 6 | 29°20 | 20°24 | 21°59 | T 13 |
| F 14 | 15 57 30 | 0♊24'05 | 17° 2 | 21°10 | 15°23 | 13° 7 | 17°15 | 21° 2 | 7°39 | 17°26 | 18° 2 | 28° 7 | 29°17 | 20°31 | 22° 3 | F 14 |
| S 15 | 16 1 27 | 1°21'32 | 29° 3 | 21°35 | 16°15 | 13°27 | 17°26 | 21° 9 | 7°43 | 17°25 | 18° 3 | 28°R 8 | 29°14 | 20°38 | 22° 7 | S 15 |
| S 16 | 16 5 23 | 2°18'58 | 11♍17 | 21°55 | 17° 7 | 13°47 | 17°37 | 21°15 | 7°46 | 17°25 | 18° 4 | 28° 8 | 29°10 | 20°44 | 22°12 | S 16 |
| M17 | 16 9 20 | 3°16'23 | 23°50 | 22°11 | 17°59 | 14° 8 | 17°48 | 21°22 | 7°49 | 17°25 | 18° 5 | 28° 6 | 29° 7 | 20°51 | 22°16 | M17 |
| T 18 | 16 13 16 | 4°13'47 | 6♎44 | 22°22 | 18°49 | 14°29 | 17°59 | 21°28 | 7°52 | 17°25 | 18° 6 | 28° 4 | 29° 4 | 20°58 | 22°21 | T 18 |
| W19 | 16 17 13 | 5°11'09 | 20° 3 | 22°28 | 19°39 | 14°50 | 18°10 | 21°34 | 7°55 | 17°25 | 18° 7 | 28° 1 | 29° 1 | 21° 4 | 22°25 | W19 |
| T 20 | 16 21 10 | 6° 8'31 | 3♏47 | 22°R30 | 20°28 | 15°12 | 18°22 | 21°41 | 7°59 | 17°25 | 18° 8 | 27°58 | 28°58 | 21°11 | 22°30 | T 20 |
| F 21 | 16 25 6 | 7° 5'51 | 17°56 | 22°27 | 21°17 | 15°34 | 18°33 | 21°47 | 8° 2 | 17°24 | 18° 9 | 27°55 | 28°55 | 21°18 | 22°34 | F 21 |
| S 22 | 16 29 3 | 8° 3'11 | 2♐25 | 22°20 | 22° 4 | 15°57 | 18°45 | 21°53 | 8° 5 | 17°24 | 18°10 | 27°53 | 28°51 | 21°24 | 22°38 | S 22 |
| S 23 | 16 32 59 | 9° 0'29 | 17° 8 | 22° 9 | 22°51 | 16°20 | 18°56 | 21°59 | 8° 8 | 17°24 | 18°11 | 27°52 | 28°48 | 21°31 | 22°43 | S 23 |
| M24 | 16 36 56 | 9°57'47 | 1♑59 | 21°53 | 23°37 | 16°43 | 19° 8 | 22° 5 | 8°11 | 17°23 | 18°12 | 27°D52 | 28°45 | 21°37 | 22°47 | M24 |
| T 25 | 16 40 52 | 10°55'05 | 16°51 | 21°34 | 24°22 | 17° 7 | 19°19 | 22°11 | 8°14 | 17°23 | 18°13 | 27°52 | 28°42 | 21°44 | 22°52 | T 25 |
| W26 | 16 44 49 | 11°52'22 | 1♒35 | 21°11 | 25° 6 | 17°31 | 19°31 | 22°17 | 8°17 | 17°23 | 18°14 | 27°53 | 28°39 | 21°51 | 22°56 | W26 |
| T 27 | 16 48 45 | 12°49'38 | 16° 7 | 20°46 | 25°49 | 17°55 | 19°43 | 22°23 | 8°20 | 17°22 | 18°14 | 27°54 | 28°36 | 21°57 | 23° 0 | T 27 |
| F 28 | 16 52 42 | 13°46'54 | 0♓23 | 20°17 | 26°31 | 18°19 | 19°55 | 22°28 | 8°23 | 17°22 | 18°15 | 27°55 | 28°32 | 22° 4 | 23° 5 | F 28 |
| S 29 | 16 56 39 | 14°44'10 | 14°21 | 19°46 | 27°12 | 18°44 | 20° 7 | 22°34 | 8°26 | 17°21 | 18°16 | 27°R56 | 28°29 | 22°11 | 23° 9 | S 29 |
| S 30 | 17 0 35 | 15°41'25 | 27°59 | 19°14 | 27°53 | 19° 9 | 20°19 | 22°40 | 8°29 | 17°21 | 18°17 | 27°55 | 28°26 | 22°17 | 23°13 | S 30 |
| M31 | 17 4 32 | 16♊38'40 | 11♈19 | 18♊40 | 28♋32 | 19♍35 | 20♋31 | 22♈45 | 8♉32 | 17♒20 | 18♈18 | 27♊55 | 28♊23 | 22♋24 | 23♉17 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n14 | 14s32 | 4s42 | 24n20 | 2n25 | 26n35 | 3n 5 | 9n29 | 1n34 | 23n 6 | 0n26 | 5n34 | 2s18 | 13n29 | 0s25 | 16s 0 | 0s21 | 8s32 | 16s48 | 23n31 | 23n31 | 23n50 | 15n40 | 2s31 |
| S 2 | 17 30 | 9 38 | 5 5 | 24 31 | 2 25 | 26 33 | 3 6 | 9 22 | 1 32 | 23 5 | 0 26 | 5 36 | 2 18 | 13 30 | 0 25 | 16 0 | 0 21 | 8 32 | 16 48 | 23 31 | 23 31 | 23 50 | 15 41 | 2 31 |
| M 3 | 17 46 | 4 20 | 5 10 | 24 40 | 2 23 | 26 31 | 3 5 | 9 15 | 1 29 | 23 4 | 0 26 | 5 39 | 2 18 | 13 31 | 0 25 | 16 0 | 0 21 | 8 31 | 16 48 | 23 31 | 23 31 | 23 50 | 15 42 | 2 31 |
| T 4 | 18 1 | 1n 5 | 4 59 | 24 47 | 2 21 | 26 28 | 3 5 | 9 7 | 1 27 | 23 3 | 0 26 | 5 41 | 2 18 | 13 32 | 0 25 | 16 0 | 0 21 | 8 31 | 16 48 | 23 31 | 23 31 | 23 50 | 15 43 | 2 31 |
| W 5 | 18 16 | 6 23 | 4 31 | 24 52 | 2 17 | 26 25 | 3 5 | 8 59 | 1 25 | 23 2 | 0 26 | 5 44 | 2 18 | 13 33 | 0 25 | 16 0 | 0 21 | 8 31 | 16 49 | 23 31 | 23 31 | 23 49 | 15 44 | 2 31 |
| T 6 | 18 31 | 11 19 | 3 51 | 24 55 | 2 13 | 26 21 | 3 4 | 8 51 | 1 23 | 23 1 | 0 26 | 5 46 | 2 18 | 13 35 | 0 25 | 16 0 | 0 21 | 8 30 | 16 49 | 23 31 | 23 31 | 23 49 | 15 45 | 2 31 |
| F 7 | 18 46 | 15 41 | 3 0 | 24 56 | 2 8 | 26 16 | 3 4 | 8 43 | 1 21 | 22 59 | 0 26 | 5 49 | 2 18 | 13 36 | 0 25 | 16 0 | 0 21 | 8 30 | 16 49 | 23 31 | 23 31 | 23 49 | 15 46 | 2 31 |
| S 8 | 19 0 | 19 18 | 2 1 | 24 55 | 2 2 | 26 11 | 3 3 | 8 35 | 1 19 | 22 58 | 0 26 | 5 51 | 2 18 | 13 37 | 0 25 | 16 0 | 0 21 | 8 30 | 16 49 | 23 31 | 23 31 | 23 49 | 15 47 | 2 32 |
| S 9 | 19 14 | 22 0 | 0 57 | 24 53 | 1 55 | 26 6 | 3 2 | 8 26 | 1 17 | 22 57 | 0 26 | 5 53 | 2 19 | 13 38 | 0 25 | 16 0 | 0 21 | 8 30 | 16 49 | 23 31 | 23 31 | 23 49 | 15 48 | 2 32 |
| M10 | 19 27 | 23 40 | 0n 9 | 24 50 | 1 47 | 26 0 | 3 1 | 8 18 | 1 15 | 22 56 | 0 26 | 5 56 | 2 19 | 13 39 | 0 25 | 16 0 | 0 21 | 8 29 | 16 50 | 23 31 | 23 31 | 23 49 | 15 49 | 2 32 |
| T 11 | 19 41 | 24 14 | 1 13 | 24 44 | 1 38 | 25 53 | 2 59 | 8 9 | 1 13 | 22 54 | 0 26 | 5 58 | 2 19 | 13 40 | 0 25 | 16 0 | 0 21 | 8 29 | 16 50 | 23 31 | 23 31 | 23 48 | 15 50 | 2 32 |
| W12 | 19 54 | 23 42 | 2 14 | 24 38 | 1 29 | 25 46 | 2 58 | 8 0 | 1 11 | 22 53 | 0 26 | 6 1 | 2 19 | 13 41 | 0 25 | 16 0 | 0 21 | 8 29 | 16 50 | 23 31 | 23 31 | 23 48 | 15 51 | 2 32 |
| T 13 | 20 6 | 22 7 | 3 10 | 24 30 | 1 18 | 25 39 | 2 56 | 7 51 | 1 9 | 22 52 | 0 26 | 6 3 | 2 19 | 13 42 | 0 25 | 16 0 | 0 21 | 8 29 | 16 50 | 23 31 | 23 31 | 23 48 | 15 53 | 2 32 |
| F 14 | 20 18 | 19 33 | 3 57 | 24 21 | 1 7 | 25 31 | 2 54 | 7 42 | 1 8 | 22 50 | 0 26 | 6 5 | 2 19 | 13 43 | 0 25 | 16 0 | 0 21 | 8 29 | 16 50 | 23 31 | 23 31 | 23 48 | 15 54 | 2 32 |
| S 15 | 20 30 | 16 8 | 4 35 | 24 10 | 0 55 | 25 22 | 2 52 | 7 32 | 1 6 | 22 49 | 0 26 | 6 8 | 2 19 | 13 44 | 0 25 | 16 0 | 0 21 | 8 28 | 16 51 | 23 31 | 23 31 | 23 48 | 15 55 | 2 32 |
| S 16 | 20 42 | 12 0 | 5 1 | 23 58 | 0 42 | 25 14 | 2 50 | 7 23 | 1 4 | 22 48 | 0 26 | 6 10 | 2 20 | 13 45 | 0 25 | 16 0 | 0 21 | 8 28 | 16 51 | 23 31 | 23 31 | 23 47 | 15 56 | 2 32 |
| M17 | 20 53 | 7 15 | 5 14 | 23 46 | 0 28 | 25 4 | 2 47 | 7 13 | 1 2 | 22 46 | 0 26 | 6 12 | 2 20 | 13 46 | 0 25 | 16 0 | 0 21 | 8 28 | 16 51 | 23 31 | 23 31 | 23 47 | 15 57 | 2 33 |
| T 18 | 21 4 | 2 5 | 5 11 | 23 32 | 0 14 | 24 55 | 2 45 | 7 3 | 1 0 | 22 45 | 0 26 | 6 14 | 2 20 | 13 47 | 0 25 | 16 0 | 0 21 | 8 28 | 16 51 | 23 31 | 23 31 | 23 47 | 15 58 | 2 33 |
| W19 | 21 14 | 3s22 | 4 52 | 23 17 | 0s 1 | 24 45 | 2 42 | 6 53 | 0 58 | 22 43 | 0 26 | 6 16 | 2 20 | 13 49 | 0 25 | 16 0 | 0 21 | 8 28 | 16 52 | 23 31 | 23 31 | 23 47 | 15 59 | 2 33 |
| T 20 | 21 25 | 8 49 | 4 16 | 23 2 | 0 17 | 24 34 | 2 38 | 6 43 | 0 57 | 22 42 | 0 26 | 6 19 | 2 20 | 13 50 | 0 25 | 16 0 | 0 21 | 8 28 | 16 52 | 23 30 | 23 31 | 23 47 | 16 0 | 2 33 |
| F 21 | 21 34 | 13 59 | 3 23 | 22 45 | 0 33 | 24 23 | 2 35 | 6 33 | 0 55 | 22 40 | 0 26 | 6 21 | 2 20 | 13 51 | 0 25 | 16 0 | 0 21 | 8 28 | 16 52 | 23 30 | 23 31 | 23 46 | 16 1 | 2 33 |
| S 22 | 21 44 | 18 30 | 2 16 | 22 28 | 0 50 | 24 12 | 2 32 | 6 23 | 0 53 | 22 39 | 0 27 | 6 23 | 2 20 | 13 52 | 0 25 | 16 1 | 0 21 | 8 27 | 16 52 | 23 30 | 23 31 | 23 46 | 16 2 | 2 33 |
| S 23 | 21 53 | 21 55 | 0 59 | 22 11 | 1 6 | 24 1 | 2 28 | 6 12 | 0 52 | 22 37 | 0 27 | 6 25 | 2 21 | 13 53 | 0 25 | 16 1 | 0 21 | 8 27 | 16 53 | 23 30 | 23 31 | 23 46 | 16 3 | 2 33 |
| M24 | 22 1 | 23 53 | 0s23 | 21 53 | 1 24 | 23 49 | 2 24 | 6 2 | 0 50 | 22 36 | 0 27 | 6 27 | 2 21 | 13 54 | 0 25 | 16 1 | 0 21 | 8 27 | 16 53 | 23 30 | 23 31 | 23 45 | 16 4 | 2 33 |
| T 25 | 22 10 | 24 10 | 1 43 | 21 35 | 1 41 | 23 37 | 2 20 | 5 51 | 0 48 | 22 34 | 0 27 | 6 29 | 2 21 | 13 55 | 0 25 | 16 1 | 0 21 | 8 27 | 16 53 | 23 30 | 23 31 | 23 45 | 16 5 | 2 34 |
| W26 | 22 17 | 22 44 | 2 56 | 21 16 | 1 58 | 23 24 | 2 15 | 5 40 | 0 47 | 22 32 | 0 27 | 6 31 | 2 21 | 13 56 | 0 25 | 16 1 | 0 21 | 8 27 | 16 53 | 23 30 | 23 31 | 23 45 | 16 5 | 2 34 |
| T 27 | 22 25 | 19 49 | 3 56 | 20 58 | 2 14 | 23 11 | 2 10 | 5 29 | 0 45 | 22 31 | 0 27 | 6 33 | 2 21 | 13 56 | 0 25 | 16 1 | 0 21 | 8 27 | 16 54 | 23 30 | 23 31 | 23 45 | 16 6 | 2 34 |
| F 28 | 22 32 | 15 45 | 4 41 | 20 40 | 2 31 | 22 58 | 2 5 | 5 18 | 0 43 | 22 29 | 0 27 | 6 35 | 2 22 | 13 57 | 0 25 | 16 1 | 0 21 | 8 27 | 16 54 | 23 30 | 23 31 | 23 44 | 16 7 | 2 34 |
| S 29 | 22 39 | 10 55 | 5 8 | 20 22 | 2 47 | 22 45 | 2 0 | 5 7 | 0 42 | 22 27 | 0 27 | 6 37 | 2 22 | 13 58 | 0 25 | 16 2 | 0 21 | 8 27 | 16 54 | 23 30 | 23 31 | 23 44 | 16 8 | 2 34 |
| S 30 | 22 45 | 5 39 | 5 17 | 20 4 | 3 2 | 22 32 | 1 55 | 4 55 | 0 40 | 22 26 | 0 27 | 6 39 | 2 22 | 13 59 | 0 25 | 16 2 | 0 21 | 8 27 | 16 54 | 23 30 | 23 31 | 23 44 | 16 9 | 2 34 |
| M31 | 22n51 | 0s14 | 5s 8 | 19n47 | 3s16 | 22n18 | 1n49 | 4n44 | 0n39 | 22n24 | 0n27 | 6n41 | 2s22 | 14n 0 | 0s25 | 16s 2 | 0s21 | 8s27 | 16s55 | 23n30 | 23n31 | 23n43 | 16n10 | 2s34 |

Julian Day Number = 2214265.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'43, Lahiri = 14°47'43 Julian Calendar 1 May 1350 == Greg. Calendar 9 May 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## JUNE 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 8 28 | 17♊35'55 | 24♈22 | 18°R 6 | 29♋10 | 20♍ 1 | 20♋43 | 22♈51 | 8♉35 | 17°R19 | 18♈19 | 27°R53 | 28♊20 | 22♋31 | 23♉22 | T 1 |
| W 2 | 17 12 25 | 18°33'10 | 7♉ 9 | 17♊32 | 29°46 | 20°27 | 20°55 | 22°56 | 8°38 | 17♒19 | 18°19 | 27♊52 | 28°16 | 22°37 | 23°26 | W 2 |
| T 3 | 17 16 21 | 19°30'24 | 19°42 | 16°58 | 0♌22 | 20°53 | 21° 7 | 23° 2 | 8°41 | 17°18 | 18°20 | 27°51 | 28°13 | 22°44 | 23°30 | T 3 |
| F 4 | 17 20 18 | 20°27'38 | 2♊ 3 | 16°26 | 0°56 | 21°20 | 21°19 | 23° 7 | 8°43 | 17°18 | 18°21 | 27°50 | 28°10 | 22°51 | 23°34 | F 4 |
| S 5 | 17 24 14 | 21°24'52 | 14°13 | 15°55 | 1°29 | 21°47 | 21°32 | 23°12 | 8°46 | 17°17 | 18°22 | 27°50 | 28° 7 | 22°57 | 23°38 | S 5 |
| S 6 | 17 28 11 | 22°22'06 | 26°15 | 15°26 | 2° 1 | 22°14 | 21°44 | 23°17 | 8°49 | 17°16 | 18°22 | 27°D49 | 28° 4 | 23° 4 | 23°42 | S 6 |
| M 7 | 17 32 8 | 23°19'19 | 8♋ 9 | 15° 0 | 2°31 | 22°42 | 21°56 | 23°22 | 8°52 | 17°15 | 18°23 | 27°49 | 28° 1 | 23°11 | 23°46 | M 7 |
| T 8 | 17 36 4 | 24°16'32 | 19°59 | 14°38 | 2°59 | 23° 9 | 22° 9 | 23°27 | 8°54 | 17°14 | 18°24 | 27°50 | 27°57 | 23°17 | 23°50 | T 8 |
| W 9 | 17 40 1 | 25°13'44 | 1♌47 | 14°19 | 3°26 | 23°37 | 22°21 | 23°32 | 8°57 | 17°14 | 18°25 | 27°50 | 27°54 | 23°24 | 23°55 | W 9 |
| T 10 | 17 43 57 | 26°10'56 | 13°36 | 14° 3 | 3°52 | 24° 6 | 22°34 | 23°37 | 8°59 | 17°13 | 18°25 | 27°50 | 27°51 | 23°31 | 23°59 | T 10 |
| F 11 | 17 47 54 | 27° 8'08 | 25°29 | 13°52 | 4°16 | 24°34 | 22°46 | 23°42 | 9° 2 | 17°12 | 18°26 | 27°50 | 27°48 | 23°37 | 24° 3 | F 11 |
| S 12 | 17 51 50 | 28° 5'19 | 7♍30 | 13°46 | 4°38 | 25° 3 | 22°59 | 23°47 | 9° 5 | 17°11 | 18°26 | 27°R50 | 27°45 | 23°44 | 24° 6 | S 12 |
| S 13 | 17 55 47 | 29° 2'30 | 19°44 | 13°D44 | 4°59 | 25°32 | 23°12 | 23°51 | 9° 7 | 17°10 | 18°27 | 27°50 | 27°42 | 23°51 | 24°10 | S 13 |
| M14 | 17 59 43 | 29°59'41 | 2♎14 | 13°46 | 5°17 | 26° 1 | 23°24 | 23°56 | 9°10 | 17° 9 | 18°28 | 27°D50 | 27°38 | 23°57 | 24°14 | M14 |
| T 15 | 18 3 40 | 0♋56'51 | 15° 5 | 13°54 | 5°34 | 26°31 | 23°37 | 24° 0 | 9°12 | 17° 8 | 18°28 | 27°50 | 27°35 | 24° 4 | 24°18 | T 15 |
| W16 | 18 7 37 | 1°54'01 | 28°19 | 14° 6 | 5°48 | 27° 1 | 23°50 | 24° 5 | 9°14 | 17° 7 | 18°29 | 27°51 | 27°32 | 24°11 | 24°22 | W16 |
| T 17 | 18 11 33 | 2°51'10 | 12♏ 0 | 14°24 | 6° 1 | 27°31 | 24° 2 | 24° 9 | 9°17 | 17° 6 | 18°29 | 27°51 | 27°29 | 24°17 | 24°26 | T 17 |
| F 18 | 18 15 30 | 3°48'20 | 26° 7 | 14°47 | 6°12 | 28° 1 | 24°15 | 24°13 | 9°19 | 17° 5 | 18°30 | 27°52 | 27°26 | 24°24 | 24°30 | F 18 |
| S 19 | 18 19 26 | 4°45'29 | 10♐39 | 15°14 | 6°20 | 28°31 | 24°28 | 24°17 | 9°22 | 17° 4 | 18°30 | 27°52 | 27°22 | 24°31 | 24°33 | S 19 |
| S 20 | 18 23 23 | 5°42'38 | 25°31 | 15°47 | 6°27 | 29° 2 | 24°41 | 24°22 | 9°24 | 17° 3 | 18°31 | 27°R52 | 27°19 | 24°37 | 24°37 | S 20 |
| M21 | 18 27 19 | 6°39'48 | 10♑36 | 16°25 | 6°31 | 29°33 | 24°54 | 24°26 | 9°26 | 17° 2 | 18°31 | 27°52 | 27°16 | 24°44 | 24°41 | M21 |
| T 22 | 18 31 16 | 7°36'58 | 25°45 | 17° 7 | 6°R32 | 0♎ 4 | 25° 7 | 24°29 | 9°28 | 17° 1 | 18°31 | 27°52 | 27°13 | 24°51 | 24°44 | T 22 |
| W23 | 18 35 13 | 8°34'08 | 10♒50 | 17°55 | 6°32 | 0°35 | 25°20 | 24°33 | 9°30 | 16°59 | 18°32 | 27°51 | 27°10 | 24°57 | 24°48 | W23 |
| T 24 | 18 39 9 | 9°31'18 | 25°41 | 18°47 | 6°29 | 1° 6 | 25°33 | 24°37 | 9°32 | 16°58 | 18°32 | 27°49 | 27° 7 | 25° 4 | 24°51 | T 24 |
| F 25 | 18 43 6 | 10°28'29 | 10♓12 | 19°44 | 6°24 | 1°38 | 25°46 | 24°41 | 9°35 | 16°57 | 18°33 | 27°48 | 27° 3 | 25°11 | 24°55 | F 25 |
| S 26 | 18 47 2 | 11°25'40 | 24°19 | 20°46 | 6°16 | 2°10 | 25°59 | 24°44 | 9°37 | 16°56 | 18°33 | 27°47 | 27° 0 | 25°17 | 24°58 | S 26 |
| S 27 | 18 50 59 | 12°22'52 | 8♈ 1 | 21°52 | 6° 6 | 2°42 | 26°12 | 24°48 | 9°39 | 16°54 | 18°33 | 27°D46 | 26°57 | 25°24 | 25° 2 | S 27 |
| M28 | 18 54 55 | 13°20'04 | 21°18 | 23° 3 | 5°54 | 3°14 | 26°25 | 24°51 | 9°41 | 16°53 | 18°33 | 27°46 | 26°54 | 25°31 | 25° 5 | M28 |
| T 29 | 18 58 52 | 14°17'17 | 4♉13 | 24°19 | 5°39 | 3°46 | 26°38 | 24°54 | 9°42 | 16°52 | 18°34 | 27°47 | 26°51 | 25°37 | 25° 9 | T 29 |
| W30 | 19 2 48 | 15♋14'31 | 16♉48 | 25♊39 | 5♌22 | 4♎19 | 26♋51 | 24♈57 | 9♉44 | 16♒51 | 18♈34 | 27♊48 | 26♊48 | 25♋44 | 25♉12 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n57 | 5n 5 | 4s44 | 19n31 | 3s29 | 22n 4 | 1n43 | 4n32 | 0n37 | 22n22 | 0n27 | 6n43 | 2s22 | 14n 1 | 0s25 | 16s 2 | 0s21 | 8s27 | 16s55 | 23n30 | 23n31 | 23n43 | 16n11 | 2s35 |
| W 2 | 23 2 | 10 5 | 4 6 | 19 15 | 3 42 | 21 50 | 1 36 | 4 21 | 0 36 | 22 20 | 0 27 | 6 45 | 2 22 | 14 2 | 0 25 | 16 2 | 0 21 | 8 27 | 16 55 | 23 30 | 23 31 | 23 43 | 16 12 | 2 35 |
| T 3 | 23 6 | 14 35 | 3 16 | 19 1 | 3 53 | 21 36 | 1 30 | 4 9 | 0 34 | 22 18 | 0 27 | 6 46 | 2 23 | 14 3 | 0 25 | 16 3 | 0 21 | 8 27 | 16 56 | 23 30 | 23 31 | 23 43 | 16 13 | 2 35 |
| F 4 | 23 11 | 18 23 | 2 18 | 18 48 | 4 3 | 21 22 | 1 23 | 3 57 | 0 33 | 22 16 | 0 27 | 6 48 | 2 23 | 14 4 | 0 25 | 16 3 | 0 21 | 8 27 | 16 56 | 23 30 | 23 31 | 23 42 | 16 14 | 2 35 |
| S 5 | 23 15 | 21 21 | 1 15 | 18 37 | 4 11 | 21 8 | 1 16 | 3 45 | 0 31 | 22 15 | 0 27 | 6 50 | 2 23 | 14 5 | 0 25 | 16 3 | 0 21 | 8 27 | 16 56 | 23 30 | 23 31 | 23 42 | 16 15 | 2 35 |
| S 6 | 23 18 | 23 19 | 0 9 | 18 27 | 4 18 | 20 53 | 1 8 | 3 33 | 0 30 | 22 13 | 0 27 | 6 52 | 2 23 | 14 6 | 0 25 | 16 3 | 0 21 | 8 27 | 16 57 | 23 30 | 23 31 | 23 42 | 16 15 | 2 35 |
| M 7 | 23 21 | 24 13 | 0n57 | 18 19 | 4 24 | 20 39 | 1 0 | 3 21 | 0 28 | 22 11 | 0 27 | 6 53 | 2 23 | 14 6 | 0 25 | 16 4 | 0 21 | 8 27 | 16 57 | 23 30 | 23 31 | 23 41 | 16 16 | 2 36 |
| T 8 | 23 24 | 24 1 | 2 0 | 18 12 | 4 28 | 20 24 | 0 52 | 3 8 | 0 27 | 22 9 | 0 27 | 6 55 | 2 24 | 14 7 | 0 25 | 16 4 | 0 21 | 8 27 | 16 57 | 23 30 | 23 30 | 23 41 | 16 17 | 2 36 |
| W 9 | 23 26 | 22 43 | 2 58 | 18 7 | 4 30 | 20 10 | 0 44 | 2 56 | 0 25 | 22 7 | 0 27 | 6 57 | 2 24 | 14 8 | 0 25 | 16 4 | 0 22 | 8 27 | 16 57 | 23 30 | 23 30 | 23 40 | 16 18 | 2 36 |
| T 10 | 23 28 | 20 26 | 3 48 | 18 4 | 4 32 | 19 55 | 0 35 | 2 43 | 0 24 | 22 5 | 0 28 | 6 58 | 2 24 | 14 9 | 0 25 | 16 4 | 0 22 | 8 27 | 16 58 | 23 30 | 23 30 | 23 40 | 16 19 | 2 36 |
| F 11 | 23 30 | 17 17 | 4 29 | 18 3 | 4 31 | 19 41 | 0 26 | 2 31 | 0 23 | 22 3 | 0 28 | 7 0 | 2 24 | 14 10 | 0 25 | 16 5 | 0 22 | 8 27 | 16 58 | 23 30 | 23 30 | 23 40 | 16 19 | 2 36 |
| S 12 | 23 31 | 13 23 | 4 58 | 18 4 | 4 30 | 19 27 | 0 17 | 2 18 | 0 21 | 22 1 | 0 28 | 7 1 | 2 25 | 14 11 | 0 25 | 16 5 | 0 22 | 8 27 | 16 58 | 23 30 | 23 30 | 23 39 | 16 20 | 2 36 |
| S 13 | 23 31 | 8 54 | 5 14 | 18 6 | 4 27 | 19 12 | 0 7 | 2 5 | 0 20 | 21 59 | 0 28 | 7 3 | 2 25 | 14 11 | 0 25 | 16 5 | 0 22 | 8 27 | 16 59 | 23 30 | 23 30 | 23 39 | 16 21 | 2 37 |
| M14 | 23 31 | 3 57 | 5 17 | 18 11 | 4 23 | 18 58 | 0s 3 | 1 52 | 0 19 | 21 57 | 0 28 | 7 4 | 2 25 | 14 12 | 0 25 | 16 6 | 0 22 | 8 27 | 16 59 | 23 30 | 23 30 | 23 39 | 16 22 | 2 37 |
| T 15 | 23 31 | 1s18 | 5 3 | 18 17 | 4 18 | 18 44 | 0 13 | 1 39 | 0 17 | 21 54 | 0 28 | 7 6 | 2 25 | 14 13 | 0 25 | 16 6 | 0 22 | 8 27 | 16 59 | 23 30 | 23 30 | 23 38 | 16 23 | 2 37 |
| W16 | 23 31 | 6 39 | 4 34 | 18 24 | 4 12 | 18 30 | 0 24 | 1 26 | 0 16 | 21 52 | 0 28 | 7 7 | 2 25 | 14 14 | 0 25 | 16 6 | 0 22 | 8 27 | 17 0 | 23 30 | 23 30 | 23 38 | 16 23 | 2 37 |
| T 17 | 23 30 | 11 52 | 3 48 | 18 33 | 4 5 | 18 16 | 0 35 | 1 13 | 0 15 | 21 50 | 0 28 | 7 8 | 2 26 | 14 15 | 0 25 | 16 7 | 0 22 | 8 27 | 17 0 | 23 30 | 23 30 | 23 37 | 16 24 | 2 37 |
| F 18 | 23 28 | 16 38 | 2 47 | 18 44 | 3 57 | 18 2 | 0 47 | 1 0 | 0 13 | 21 48 | 0 28 | 7 10 | 2 26 | 14 15 | 0 25 | 16 7 | 0 22 | 8 28 | 17 0 | 23 30 | 23 30 | 23 37 | 16 25 | 2 38 |
| S 19 | 23 26 | 20 34 | 1 34 | 18 56 | 3 48 | 17 49 | 0 58 | 0 47 | 0 12 | 21 46 | 0 28 | 7 11 | 2 26 | 14 16 | 0 25 | 16 7 | 0 22 | 8 28 | 17 1 | 23 30 | 23 30 | 23 36 | 16 25 | 2 38 |
| S 20 | 23 24 | 23 14 | 0 13 | 19 9 | 3 38 | 17 36 | 1 10 | 0 33 | 0 11 | 21 43 | 0 28 | 7 12 | 2 26 | 14 17 | 0 25 | 16 8 | 0 22 | 8 28 | 17 1 | 23 30 | 23 30 | 23 36 | 16 26 | 2 38 |
| M21 | 23 21 | 24 16 | 1s10 | 19 23 | 3 28 | 17 23 | 1 22 | 0 20 | 0 10 | 21 41 | 0 28 | 7 14 | 2 27 | 14 17 | 0 25 | 16 8 | 0 22 | 8 28 | 17 1 | 23 30 | 23 30 | 23 36 | 16 27 | 2 38 |
| T 22 | 23 18 | 23 30 | 2 29 | 19 38 | 3 17 | 17 10 | 1 35 | 0 6 | 0 9 | 21 39 | 0 28 | 7 15 | 2 27 | 14 18 | 0 25 | 16 8 | 0 22 | 8 28 | 17 2 | 23 30 | 23 30 | 23 35 | 16 27 | 2 38 |
| W23 | 23 15 | 21 3 | 3 36 | 19 54 | 3 5 | 16 58 | 1 48 | 0s 7 | 0 7 | 21 37 | 0 28 | 7 16 | 2 27 | 14 19 | 0 25 | 16 9 | 0 22 | 8 28 | 17 2 | 23 30 | 23 30 | 23 35 | 16 28 | 2 39 |
| T 24 | 23 11 | 17 13 | 4 28 | 20 10 | 2 53 | 16 46 | 2 1 | 0 21 | 0 6 | 21 34 | 0 28 | 7 17 | 2 27 | 14 19 | 0 25 | 16 9 | 0 22 | 8 28 | 17 2 | 23 30 | 23 30 | 23 34 | 16 29 | 2 39 |
| F 25 | 23 7 | 12 25 | 5 2 | 20 27 | 2 41 | 16 34 | 2 14 | 0 35 | 0 5 | 21 32 | 0 28 | 7 18 | 2 28 | 14 20 | 0 25 | 16 9 | 0 22 | 8 29 | 17 3 | 23 30 | 23 29 | 23 34 | 16 29 | 2 39 |
| S 26 | 23 2 | 7 6 | 5 16 | 20 45 | 2 28 | 16 23 | 2 28 | 0 48 | 0 4 | 21 30 | 0 29 | 7 19 | 2 28 | 14 21 | 0 25 | 16 10 | 0 22 | 8 29 | 17 3 | 23 30 | 23 29 | 23 33 | 16 30 | 2 39 |
| S 27 | 22 57 | 1 35 | 5 12 | 21 2 | 2 15 | 16 12 | 2 42 | 1 2 | 0 3 | 21 27 | 0 29 | 7 20 | 2 28 | 14 21 | 0 25 | 16 10 | 0 22 | 8 29 | 17 3 | 23 30 | 23 29 | 23 33 | 16 31 | 2 39 |
| M28 | 22 51 | 3n51 | 4 51 | 21 19 | 2 1 | 16 2 | 2 55 | 1 16 | 0 1 | 21 25 | 0 29 | 7 21 | 2 28 | 14 22 | 0 25 | 16 11 | 0 22 | 8 29 | 17 4 | 23 30 | 23 29 | 23 32 | 16 31 | 2 40 |
| T 29 | 22 45 | 8 58 | 4 15 | 21 36 | 1 48 | 15 52 | 3 9 | 1 30 | 0 0 | 21 22 | 0 29 | 7 22 | 2 29 | 14 23 | 0 25 | 16 11 | 0 22 | 8 29 | 17 4 | 23 30 | 23 29 | 23 32 | 16 32 | 2 40 |
| W30 | 22n39 | 13n36 | 3s28 | 21n53 | 1s34 | 15n42 | 3s24 | 1s44 | 0s 1 | 21n20 | 0n29 | 7n23 | 2s29 | 14n23 | 0s25 | 16s11 | 0s22 | 8s30 | 17s 4 | 23n30 | 23n29 | 23n31 | 16n32 | 2s40 |

Julian Day Number = 2214296.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'47, Lahiri = 14°47'48 Julian Calendar 1 June 1350 == Greg. Calendar 9 June 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## JULY 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 6 45 | 16♋11'46 | 29♉ 8 | 27♊ 3 | 5°R 3 | 4♎52 | 27♋ 4 | 25♈ 1 | 9♉46 | 16°R49 | 18♈34 | 27♊50 | 26♊44 | 25♋51 | 25♉15 | T 1 |
| F 2 | 19 10 42 | 17° 9'01 | 11♊16 | 28°31 | 4♌42 | 5°25 | 27°17 | 25° 4 | 9°48 | 16♒48 | 18°34 | 27°51 | 26°41 | 25°57 | 25°18 | F 2 |
| S 3 | 19 14 38 | 18° 6'17 | 23°15 | 0♋ 4 | 4°18 | 5°58 | 27°30 | 25° 6 | 9°50 | 16°46 | 18°35 | 27°R52 | 26°38 | 26° 4 | 25°22 | S 3 |
| S 4 | 19 18 35 | 19° 3'34 | 5♋ 8 | 1°41 | 3°52 | 6°31 | 27°44 | 25° 9 | 9°51 | 16°45 | 18°35 | 27°52 | 26°35 | 26°11 | 25°25 | S 4 |
| M 5 | 19 22 31 | 20° 0'52 | 16°57 | 3°21 | 3°25 | 7° 5 | 27°57 | 25°12 | 9°53 | 16°44 | 18°35 | 27°51 | 26°32 | 26°17 | 25°28 | M 5 |
| T 6 | 19 26 28 | 20°58'10 | 28°45 | 5° 5 | 2°55 | 7°38 | 28°10 | 25°15 | 9°55 | 16°42 | 18°35 | 27°48 | 26°28 | 26°24 | 25°31 | T 6 |
| W 7 | 19 30 24 | 21°55'28 | 10♌34 | 6°53 | 2°24 | 8°12 | 28°23 | 25°17 | 9°56 | 16°41 | 18°35 | 27°45 | 26°25 | 26°31 | 25°34 | W 7 |
| T 8 | 19 34 21 | 22°52'47 | 22°26 | 8°44 | 1°52 | 8°46 | 28°36 | 25°20 | 9°58 | 16°39 | 18°35 | 27°41 | 26°22 | 26°37 | 25°37 | T 8 |
| F 9 | 19 38 17 | 23°50'07 | 4♍23 | 10°37 | 1°18 | 9°20 | 28°50 | 25°22 | 9°59 | 16°38 | 18°35 | 27°37 | 26°19 | 26°44 | 25°40 | F 9 |
| S 10 | 19 42 14 | 24°47'27 | 16°29 | 12°33 | 0°43 | 9°55 | 29° 3 | 25°24 | 10° 1 | 16°36 | 18°35 | 27°32 | 26°16 | 26°51 | 25°43 | S 10 |
| S 11 | 19 46 11 | 25°44'48 | 28°45 | 14°32 | 0° 7 | 10°29 | 29°16 | 25°26 | 10° 2 | 16°35 | 18°R35 | 27°29 | 26°13 | 26°57 | 25°45 | S 11 |
| M12 | 19 50 7 | 26°42'10 | 11♎15 | 16°32 | 29♋30 | 11° 4 | 29°29 | 25°28 | 10° 4 | 16°33 | 18°35 | 27°27 | 26° 9 | 27° 4 | 25°48 | M12 |
| T 13 | 19 54 4 | 27°39'32 | 24° 2 | 18°34 | 28°53 | 11°39 | 29°42 | 25°30 | 10° 5 | 16°32 | 18°35 | 27°D26 | 26° 6 | 27°11 | 25°51 | T 13 |
| W14 | 19 58 0 | 28°36'54 | 7♏11 | 20°37 | 28°15 | 12°14 | 29°56 | 25°32 | 10° 6 | 16°30 | 18°35 | 27°26 | 26° 3 | 27°17 | 25°53 | W14 |
| T 15 | 20 1 57 | 29°34'17 | 20°43 | 22°42 | 27°38 | 12°49 | 0♌ 9 | 25°34 | 10° 7 | 16°29 | 18°35 | 27°27 | 26° 0 | 27°24 | 25°56 | T 15 |
| F 16 | 20 5 53 | 0♌31'41 | 4♐41 | 24°47 | 27° 1 | 13°24 | 0°22 | 25°35 | 10° 8 | 16°27 | 18°35 | 27°29 | 25°57 | 27°31 | 25°59 | F 16 |
| S 17 | 20 9 50 | 1°29'06 | 19° 4 | 26°52 | 26°24 | 14° 0 | 0°35 | 25°37 | 10°10 | 16°26 | 18°35 | 27°30 | 25°54 | 27°37 | 26° 1 | S 17 |
| S 18 | 20 13 46 | 2°26'31 | 3♑50 | 28°57 | 25°48 | 14°35 | 0°49 | 25°38 | 10°11 | 16°24 | 18°35 | 27°R30 | 25°50 | 27°44 | 26° 4 | S 18 |
| M19 | 20 17 43 | 3°23'58 | 18°55 | 1♌ 2 | 25°14 | 15°11 | 1° 2 | 25°40 | 10°12 | 16°23 | 18°35 | 27°28 | 25°47 | 27°51 | 26° 6 | M19 |
| T 20 | 20 21 40 | 4°21'25 | 4♒ 8 | 3° 6 | 24°40 | 15°47 | 1°15 | 25°41 | 10°13 | 16°21 | 18°34 | 27°25 | 25°44 | 27°57 | 26° 8 | T 20 |
| W21 | 20 25 36 | 5°18'53 | 19°22 | 5°10 | 24° 7 | 16°23 | 1°28 | 25°42 | 10°14 | 16°19 | 18°34 | 27°21 | 25°41 | 28° 4 | 26°11 | W21 |
| T 22 | 20 29 33 | 6°16'22 | 4♓25 | 7°13 | 23°36 | 16°59 | 1°42 | 25°43 | 10°14 | 16°18 | 18°34 | 27°15 | 25°38 | 28°11 | 26°13 | T 22 |
| F 23 | 20 33 29 | 7°13'53 | 19° 9 | 9°15 | 23° 7 | 17°35 | 1°55 | 25°44 | 10°15 | 16°16 | 18°34 | 27° 9 | 25°34 | 28°17 | 26°15 | F 23 |
| S 24 | 20 37 26 | 8°11'25 | 3♈27 | 11°16 | 22°40 | 18°12 | 2° 8 | 25°45 | 10°16 | 16°15 | 18°34 | 27° 4 | 25°31 | 28°24 | 26°17 | S 24 |
| S 25 | 20 41 22 | 9° 8'58 | 17°16 | 13°16 | 22°15 | 18°48 | 2°21 | 25°45 | 10°17 | 16°13 | 18°33 | 27° 1 | 25°28 | 28°31 | 26°19 | S 25 |
| M26 | 20 45 19 | 10° 6'33 | 0♉37 | 15°14 | 21°52 | 19°25 | 2°34 | 25°46 | 10°17 | 16°11 | 18°33 | 26°59 | 25°25 | 28°37 | 26°21 | M26 |
| T 27 | 20 49 15 | 11° 4'09 | 13°31 | 17°11 | 21°31 | 20° 2 | 2°47 | 25°46 | 10°18 | 16°10 | 18°33 | 26°D58 | 25°22 | 28°44 | 26°23 | T 27 |
| W28 | 20 53 12 | 12° 1'47 | 26° 4 | 19° 7 | 21°12 | 20°39 | 3° 1 | 25°47 | 10°19 | 16° 8 | 18°32 | 26°59 | 25°19 | 28°51 | 26°25 | W28 |
| T 29 | 20 57 9 | 12°59'27 | 8♊18 | 21° 1 | 20°56 | 21°16 | 3°14 | 25°47 | 10°19 | 16° 6 | 18°32 | 27° 0 | 25°15 | 28°57 | 26°27 | T 29 |
| F 30 | 21 1 5 | 13°57'08 | 20°19 | 22°54 | 20°42 | 21°53 | 3°27 | 25°47 | 10°20 | 16° 5 | 18°32 | 27° 1 | 25°12 | 29° 4 | 26°28 | F 30 |
| S 31 | 21 5 2 | 14♌54'51 | 2♋12 | 24♌46 | 20♋30 | 22♎31 | 3♌40 | 25°R47 | 10♉20 | 16♒ 3 | 18♈31 | 27°R 2 | 25♊ 9 | 29♋11 | 26♉30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n32 | 17n34 | 2s32 | 22n 9 | 1s21 | 15n33 | 3s38 | 1s58 | 0s 2 | 21n17 | 0n29 | 7n24 | 2s29 | 14n24 | 0s25 | 16s12 | 0s22 | 8s30 | 17s 5 | 23n30 | 23n29 | 23n31 | 16n33 | 2s40 |
| F 2 | 22 25 | 20 43 | 1 30 | 22 24 | 1 7 | 15 24 | 3 52 | 2 12 | 0 3 | 21 15 | 0 29 | 7 25 | 2 29 | 14 24 | 0 25 | 16 12 | 0 22 | 8 30 | 17 5 | 23 30 | 23 29 | 23 30 | 16 34 | 2 41 |
| S 3 | 22 18 | 22 56 | 0 25 | 22 38 | 0 54 | 15 16 | 4 6 | 2 26 | 0 4 | 21 12 | 0 29 | 7 26 | 2 30 | 14 25 | 0 25 | 16 13 | 0 22 | 8 30 | 17 5 | 23 30 | 23 29 | 23 30 | 16 34 | 2 41 |
| S 4 | 22 10 | 24 5 | 0n40 | 22 51 | 0 40 | 15 9 | 4 20 | 2 41 | 0 5 | 21 10 | 0 29 | 7 27 | 2 30 | 14 25 | 0 25 | 16 13 | 0 22 | 8 31 | 17 6 | 23 30 | 23 29 | 23 29 | 16 35 | 2 41 |
| M 5 | 22 2 | 24 9 | 1 43 | 23 2 | 0 27 | 15 1 | 4 34 | 2 55 | 0 6 | 21 7 | 0 29 | 7 27 | 2 30 | 14 26 | 0 25 | 16 14 | 0 22 | 8 31 | 17 6 | 23 30 | 23 29 | 23 29 | 16 35 | 2 41 |
| T 6 | 21 53 | 23 7 | 2 42 | 23 11 | 0 14 | 14 55 | 4 47 | 3 9 | 0 7 | 21 5 | 0 29 | 7 28 | 2 30 | 14 26 | 0 25 | 16 14 | 0 22 | 8 31 | 17 7 | 23 30 | 23 29 | 23 28 | 16 36 | 2 41 |
| W 7 | 21 44 | 21 4 | 3 34 | 23 19 | 0 2 | 14 49 | 5 0 | 3 24 | 0 8 | 21 2 | 0 29 | 7 29 | 2 31 | 14 27 | 0 25 | 16 15 | 0 22 | 8 32 | 17 7 | 23 30 | 23 29 | 23 28 | 16 36 | 2 42 |
| T 8 | 21 35 | 18 7 | 4 16 | 23 24 | 0n10 | 14 43 | 5 13 | 3 38 | 0 10 | 21 0 | 0 29 | 7 29 | 2 31 | 14 27 | 0 25 | 16 15 | 0 22 | 8 32 | 17 7 | 23 30 | 23 28 | 23 27 | 16 37 | 2 42 |
| F 9 | 21 25 | 14 24 | 4 48 | 23 27 | 0 21 | 14 38 | 5 26 | 3 53 | 0 11 | 20 57 | 0 29 | 7 30 | 2 31 | 14 28 | 0 25 | 16 15 | 0 22 | 8 32 | 17 8 | 23 30 | 23 28 | 23 27 | 16 37 | 2 42 |
| S 10 | 21 15 | 10 4 | 5 8 | 23 28 | 0 32 | 14 34 | 5 38 | 4 7 | 0 12 | 20 54 | 0 30 | 7 31 | 2 31 | 14 28 | 0 25 | 16 16 | 0 22 | 8 32 | 17 8 | 23 30 | 23 28 | 23 26 | 16 37 | 2 42 |
| S 11 | 21 4 | 5 17 | 5 13 | 23 26 | 0 43 | 14 30 | 5 50 | 4 22 | 0 13 | 20 52 | 0 30 | 7 31 | 2 32 | 14 29 | 0 25 | 16 16 | 0 22 | 8 33 | 17 8 | 23 30 | 23 28 | 23 26 | 16 38 | 2 43 |
| M12 | 20 53 | 0 12 | 5 4 | 23 22 | 0 52 | 14 27 | 6 1 | 4 36 | 0 14 | 20 49 | 0 30 | 7 32 | 2 32 | 14 29 | 0 25 | 16 17 | 0 22 | 8 33 | 17 9 | 23 30 | 23 28 | 23 25 | 16 38 | 2 43 |
| T 13 | 20 42 | 5s 1 | 4 40 | 23 14 | 1 1 | 14 24 | 6 11 | 4 51 | 0 15 | 20 46 | 0 30 | 7 32 | 2 32 | 14 29 | 0 25 | 16 17 | 0 22 | 8 33 | 17 9 | 23 30 | 23 28 | 23 24 | 16 39 | 2 43 |
| W14 | 20 31 | 10 9 | 4 1 | 23 4 | 1 9 | 14 22 | 6 21 | 5 5 | 0 16 | 20 43 | 0 30 | 7 32 | 2 33 | 14 30 | 0 25 | 16 18 | 0 22 | 8 34 | 17 9 | 23 30 | 23 28 | 23 24 | 16 39 | 2 43 |
| T 15 | 20 19 | 14 59 | 3 8 | 22 52 | 1 16 | 14 20 | 6 30 | 5 20 | 0 17 | 20 41 | 0 30 | 7 33 | 2 33 | 14 30 | 0 25 | 16 18 | 0 22 | 8 34 | 17 10 | 23 30 | 23 28 | 23 23 | 16 39 | 2 44 |
| F 16 | 20 7 | 19 9 | 2 2 | 22 36 | 1 23 | 14 19 | 6 38 | 5 35 | 0 18 | 20 38 | 0 30 | 7 33 | 2 33 | 14 31 | 0 25 | 16 19 | 0 22 | 8 34 | 17 10 | 23 30 | 23 28 | 23 23 | 16 40 | 2 44 |
| S 17 | 19 54 | 22 19 | 0 46 | 22 18 | 1 29 | 14 18 | 6 46 | 5 49 | 0 18 | 20 35 | 0 30 | 7 33 | 2 33 | 14 31 | 0 25 | 16 19 | 0 22 | 8 35 | 17 10 | 23 30 | 23 28 | 23 22 | 16 40 | 2 44 |
| S 18 | 19 41 | 24 3 | 0s35 | 21 58 | 1 33 | 14 18 | 6 53 | 6 4 | 0 19 | 20 32 | 0 30 | 7 34 | 2 34 | 14 31 | 0 25 | 16 20 | 0 22 | 8 35 | 17 11 | 23 30 | 23 27 | 23 21 | 16 40 | 2 44 |
| M19 | 19 28 | 24 4 | 1 54 | 21 35 | 1 37 | 14 18 | 6 59 | 6 19 | 0 20 | 20 30 | 0 30 | 7 34 | 2 34 | 14 32 | 0 25 | 16 20 | 0 22 | 8 36 | 17 11 | 23 30 | 23 27 | 23 21 | 16 41 | 2 45 |
| T 20 | 19 14 | 22 18 | 3 6 | 21 10 | 1 41 | 14 18 | 7 4 | 6 34 | 0 21 | 20 27 | 0 30 | 7 34 | 2 34 | 14 32 | 0 25 | 16 21 | 0 22 | 8 36 | 17 11 | 23 30 | 23 27 | 23 20 | 16 41 | 2 45 |
| W21 | 19 0 | 18 56 | 4 5 | 20 43 | 1 43 | 14 19 | 7 9 | 6 48 | 0 22 | 20 24 | 0 31 | 7 34 | 2 34 | 14 32 | 0 25 | 16 21 | 0 22 | 8 36 | 17 12 | 23 30 | 23 27 | 23 20 | 16 41 | 2 45 |
| T 22 | 18 46 | 14 22 | 4 46 | 20 14 | 1 45 | 14 21 | 7 12 | 7 3 | 0 23 | 20 21 | 0 31 | 7 34 | 2 35 | 14 32 | 0 25 | 16 22 | 0 22 | 8 37 | 17 12 | 23 30 | 23 27 | 23 19 | 16 41 | 2 46 |
| F 23 | 18 32 | 9 1 | 5 7 | 19 42 | 1 46 | 14 23 | 7 15 | 7 18 | 0 24 | 20 18 | 0 31 | 7 34 | 2 35 | 14 33 | 0 25 | 16 22 | 0 22 | 8 37 | 17 12 | 23 30 | 23 27 | 23 18 | 16 42 | 2 46 |
| S 24 | 18 17 | 3 20 | 5 8 | 19 10 | 1 46 | 14 25 | 7 18 | 7 33 | 0 25 | 20 15 | 0 31 | 7 34 | 2 35 | 14 33 | 0 25 | 16 23 | 0 22 | 8 37 | 17 13 | 23 29 | 23 27 | 23 18 | 16 42 | 2 46 |
| S 25 | 18 2 | 2n19 | 4 51 | 18 36 | 1 46 | 14 27 | 7 19 | 7 47 | 0 26 | 20 12 | 0 31 | 7 34 | 2 35 | 14 33 | 0 25 | 16 23 | 0 22 | 8 38 | 17 13 | 23 29 | 23 27 | 23 17 | 16 42 | 2 46 |
| M26 | 17 46 | 7 41 | 4 19 | 18 0 | 1 45 | 14 30 | 7 20 | 8 2 | 0 27 | 20 9 | 0 31 | 7 34 | 2 36 | 14 33 | 0 26 | 16 24 | 0 22 | 8 38 | 17 13 | 23 29 | 23 27 | 23 16 | 16 42 | 2 47 |
| T 27 | 17 31 | 12 33 | 3 34 | 17 23 | 1 44 | 14 33 | 7 20 | 8 17 | 0 28 | 20 7 | 0 31 | 7 34 | 2 36 | 14 33 | 0 26 | 16 24 | 0 22 | 8 39 | 17 14 | 23 29 | 23 27 | 23 16 | 16 43 | 2 47 |
| W28 | 17 15 | 16 45 | 2 40 | 16 45 | 1 42 | 14 37 | 7 19 | 8 32 | 0 28 | 20 4 | 0 31 | 7 34 | 2 36 | 14 34 | 0 26 | 16 25 | 0 22 | 8 39 | 17 14 | 23 29 | 23 26 | 23 15 | 16 43 | 2 47 |
| T 29 | 16 58 | 20 8 | 1 40 | 16 6 | 1 39 | 14 40 | 7 18 | 8 47 | 0 29 | 20 1 | 0 31 | 7 34 | 2 37 | 14 34 | 0 26 | 16 25 | 0 22 | 8 40 | 17 14 | 23 29 | 23 26 | 23 14 | 16 43 | 2 47 |
| F 30 | 16 42 | 22 34 | 0 36 | 15 26 | 1 36 | 14 44 | 7 16 | 9 1 | 0 30 | 19 58 | 0 31 | 7 34 | 2 37 | 14 34 | 0 26 | 16 26 | 0 22 | 8 40 | 17 15 | 23 29 | 23 26 | 23 14 | 16 43 | 2 48 |
| S 31 | 16n25 | 23n58 | 0n28 | 14n46 | 1n32 | 14n48 | 7s14 | 9s16 | 0s31 | 19n55 | 0n31 | 7n34 | 2s37 | 14n34 | 0s26 | 16s26 | 0s22 | 8s40 | 17s15 | 23n29 | 23n26 | 23n13 | 16n43 | 2s48 |

Julian Day Number = 2214326.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'51, Lahiri = 14°47'52 Julian Calendar 1 July 1350 == Greg. Calendar 9 July 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## AUGUST 1350 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 8 58 | 15♌52'35 | 14♋ 0 | 26♌36 | 20°R21 | 23♎ 8 | 3♌53 | 25°R47 | 10♉21 | 16°R 1 | 18°R31 | 27°R 0 | 25♊ 6 | 29♋17 | 26♉32 | S 1 |
| M 2 | 21 12 55 | 16°50'21 | 25°48 | 28°25 | 20♋14 | 23°46 | 4° 6 | 25♈47 | 10°21 | 16♒ 0 | 18♈30 | 26♊56 | 25° 3 | 29°24 | 26°33 | M 2 |
| T 3 | 21 16 51 | 17°48'08 | 7♌37 | 0♍12 | 20°10 | 24°24 | 4°19 | 25°47 | 10°21 | 15°58 | 18°30 | 26°50 | 25° 0 | 29°31 | 26°35 | T 3 |
| W 4 | 21 20 48 | 18°45'57 | 19°30 | 1°58 | 20°D 8 | 25° 1 | 4°32 | 25°47 | 10°21 | 15°57 | 18°29 | 26°42 | 24°56 | 29°37 | 26°36 | W 4 |
| T 5 | 21 24 44 | 19°43'47 | 1♍29 | 3°42 | 20° 8 | 25°39 | 4°45 | 25°46 | 10°22 | 15°55 | 18°29 | 26°32 | 24°53 | 29°44 | 26°38 | T 5 |
| F 6 | 21 28 41 | 20°41'38 | 13°35 | 5°25 | 20°10 | 26°18 | 4°58 | 25°45 | 10°22 | 15°53 | 18°28 | 26°22 | 24°50 | 29°51 | 26°39 | F 6 |
| S 7 | 21 32 38 | 21°39'31 | 25°50 | 7° 7 | 20°15 | 26°56 | 5°11 | 25°45 | 10°22 | 15°52 | 18°28 | 26°12 | 24°47 | 29°57 | 26°40 | S 7 |
| S 8 | 21 36 34 | 22°37'26 | 8♎15 | 8°48 | 20°22 | 27°34 | 5°24 | 25°44 | 10°R22 | 15°50 | 18°27 | 26° 4 | 24°44 | 0♌ 4 | 26°42 | S 8 |
| M 9 | 21 40 31 | 23°35'21 | 20°51 | 10°27 | 20°32 | 28°13 | 5°37 | 25°43 | 10°22 | 15°48 | 18°27 | 25°57 | 24°40 | 0°11 | 26°43 | M 9 |
| T 10 | 21 44 27 | 24°33'18 | 3♏42 | 12° 5 | 20°43 | 28°51 | 5°50 | 25°42 | 10°22 | 15°47 | 18°26 | 25°53 | 24°37 | 0°17 | 26°44 | T 10 |
| W11 | 21 48 24 | 25°31'17 | 16°48 | 13°41 | 20°56 | 29°30 | 6° 3 | 25°41 | 10°22 | 15°45 | 18°25 | 25°51 | 24°34 | 0°24 | 26°45 | W11 |
| T 12 | 21 52 20 | 26°29'17 | 0♐14 | 15°16 | 21°12 | 0♏ 9 | 6°16 | 25°40 | 10°21 | 15°44 | 18°25 | 25°D50 | 24°31 | 0°31 | 26°46 | T 12 |
| F 13 | 21 56 17 | 27°27'18 | 14° 1 | 16°50 | 21°29 | 0°48 | 6°28 | 25°38 | 10°21 | 15°42 | 18°24 | 25°51 | 24°28 | 0°37 | 26°47 | F 13 |
| S 14 | 22 0 13 | 28°25'20 | 28°11 | 18°23 | 21°48 | 1°27 | 6°41 | 25°37 | 10°21 | 15°40 | 18°24 | 25°R51 | 24°25 | 0°44 | 26°47 | S 14 |
| S 15 | 22 4 10 | 29°23'24 | 12♑42 | 19°54 | 22° 9 | 2° 6 | 6°54 | 25°36 | 10°21 | 15°39 | 18°23 | 25°50 | 24°21 | 0°51 | 26°48 | S 15 |
| M16 | 22 8 7 | 0♍21'30 | 27°32 | 21°24 | 22°32 | 2°46 | 7° 6 | 25°34 | 10°20 | 15°37 | 18°22 | 25°47 | 24°18 | 0°57 | 26°49 | M16 |
| T 17 | 22 12 3 | 1°19'37 | 12♒35 | 22°53 | 22°56 | 3°25 | 7°19 | 25°32 | 10°20 | 15°36 | 18°21 | 25°41 | 24°15 | 1° 4 | 26°49 | T 17 |
| W18 | 22 16 0 | 2°17'45 | 27°41 | 24°20 | 23°22 | 4° 5 | 7°32 | 25°30 | 10°19 | 15°34 | 18°21 | 25°33 | 24°12 | 1°11 | 26°50 | W18 |
| T 19 | 22 19 56 | 3°15'55 | 12♓42 | 25°46 | 23°50 | 4°44 | 7°44 | 25°28 | 10°19 | 15°33 | 18°20 | 25°23 | 24° 9 | 1°17 | 26°50 | T 19 |
| F 20 | 22 23 53 | 4°14'07 | 27°28 | 27°11 | 24°20 | 5°24 | 7°57 | 25°26 | 10°18 | 15°31 | 18°19 | 25°13 | 24° 6 | 1°24 | 26°51 | F 20 |
| S 21 | 22 27 49 | 5°12'21 | 11♈50 | 28°34 | 24°50 | 6° 4 | 8° 9 | 25°24 | 10°18 | 15°29 | 18°18 | 25° 3 | 24° 2 | 1°31 | 26°51 | S 21 |
| S 22 | 22 31 46 | 6°10'37 | 25°45 | 29°56 | 25°23 | 6°44 | 8°22 | 25°22 | 10°17 | 15°28 | 18°18 | 24°56 | 23°59 | 1°37 | 26°51 | S 22 |
| M23 | 22 35 42 | 7° 8'55 | 9♉11 | 1♎16 | 25°56 | 7°24 | 8°34 | 25°20 | 10°16 | 15°26 | 18°17 | 24°50 | 23°56 | 1°44 | 26°52 | M23 |
| T 24 | 22 39 39 | 8° 7'15 | 22° 9 | 2°35 | 26°31 | 8° 4 | 8°46 | 25°17 | 10°16 | 15°25 | 18°16 | 24°47 | 23°53 | 1°51 | 26°52 | T 24 |
| W25 | 22 43 36 | 9° 5'38 | 4♊43 | 3°53 | 27° 8 | 8°45 | 8°59 | 25°15 | 10°15 | 15°24 | 18°15 | 24°D46 | 23°50 | 1°57 | 26°52 | W25 |
| T 26 | 22 47 32 | 10° 4'02 | 16°57 | 5° 9 | 27°45 | 9°25 | 9°11 | 25°12 | 10°14 | 15°22 | 18°14 | 24°46 | 23°46 | 2° 4 | 26°R52 | T 26 |
| F 27 | 22 51 29 | 11° 2'29 | 28°57 | 6°23 | 28°24 | 10° 6 | 9°23 | 25°10 | 10°13 | 15°21 | 18°13 | 24°R46 | 23°43 | 2°11 | 26°52 | F 27 |
| S 28 | 22 55 25 | 12° 0'58 | 10♋49 | 7°36 | 29° 4 | 10°46 | 9°35 | 25° 7 | 10°12 | 15°19 | 18°13 | 24°45 | 23°40 | 2°17 | 26°52 | S 28 |
| S 29 | 22 59 22 | 12°59'29 | 22°36 | 8°47 | 29°45 | 11°27 | 9°47 | 25° 4 | 10°11 | 15°18 | 18°12 | 24°42 | 23°37 | 2°24 | 26°52 | S 29 |
| M30 | 23 3 18 | 13°58'02 | 4♌25 | 9°56 | 0♌27 | 12° 8 | 9°59 | 25° 1 | 10°10 | 15°16 | 18°11 | 24°37 | 23°34 | 2°31 | 26°51 | M30 |
| T 31 | 23 7 15 | 14♍56'37 | 16♌18 | 11♎ 3 | 1♌10 | 12♏49 | 10♌11 | 24♈58 | 10♉ 9 | 15♒15 | 18♈10 | 24♊28 | 23♊31 | 2♌37 | 26♉51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 8 | 24n17 | 1n30 | 14n 5 | 1n28 | 14n52 | 7s11 | 9s31 | 0s32 | 19n52 | 0n32 | 7n33 | 2s37 | 14n34 | 0s26 | 16s27 | 0s22 | 8s41 | 17s15 | 23n29 | 23n26 | 23n12 | 16n43 | 2s48 |
| M 2 | 15 51 | 23 30 | 2 29 | 13 23 | 1 24 | 14 57 | 7 7 | 9 46 | 0 33 | 19 49 | 0 32 | 7 33 | 2 38 | 14 34 | 0 26 | 16 27 | 0 22 | 8 41 | 17 16 | 23 29 | 23 26 | 23 12 | 16 43 | 2 49 |
| T 3 | 15 33 | 21 40 | 3 21 | 12 40 | 1 19 | 15 1 | 7 4 | 10 0 | 0 33 | 19 46 | 0 32 | 7 33 | 2 38 | 14 34 | 0 26 | 16 28 | 0 22 | 8 42 | 17 16 | 23 29 | 23 26 | 23 11 | 16 43 | 2 49 |
| W 4 | 15 15 | 18 53 | 4 4 | 11 58 | 1 14 | 15 6 | 6 59 | 10 15 | 0 34 | 19 43 | 0 32 | 7 32 | 2 38 | 14 34 | 0 26 | 16 28 | 0 22 | 8 42 | 17 16 | 23 29 | 23 26 | 23 10 | 16 43 | 2 49 |
| T 5 | 14 57 | 15 17 | 4 37 | 11 15 | 1 8 | 15 10 | 6 55 | 10 30 | 0 35 | 19 40 | 0 32 | 7 32 | 2 38 | 14 34 | 0 26 | 16 29 | 0 22 | 8 43 | 17 17 | 23 29 | 23 25 | 23 9 | 16 43 | 2 49 |
| F 6 | 14 39 | 11 3 | 4 58 | 10 31 | 1 2 | 15 15 | 6 50 | 10 44 | 0 36 | 19 37 | 0 32 | 7 31 | 2 39 | 14 34 | 0 26 | 16 29 | 0 22 | 8 43 | 17 17 | 23 28 | 23 25 | 23 9 | 16 43 | 2 50 |
| S 7 | 14 20 | 6 19 | 5 5 | 9 48 | 0 56 | 15 19 | 6 45 | 10 59 | 0 37 | 19 34 | 0 32 | 7 31 | 2 39 | 14 34 | 0 26 | 16 30 | 0 22 | 8 44 | 17 17 | 23 28 | 23 25 | 23 8 | 16 43 | 2 50 |
| S 8 | 14 1 | 1 17 | 4 58 | 9 4 | 0 50 | 15 24 | 6 39 | 11 14 | 0 37 | 19 30 | 0 32 | 7 30 | 2 39 | 14 34 | 0 26 | 16 30 | 0 22 | 8 44 | 17 17 | 23 28 | 23 25 | 23 7 | 16 43 | 2 50 |
| M 9 | 13 42 | 3s53 | 4 37 | 8 21 | 0 43 | 15 28 | 6 33 | 11 28 | 0 38 | 19 27 | 0 32 | 7 30 | 2 40 | 14 34 | 0 26 | 16 31 | 0 22 | 8 45 | 17 18 | 23 28 | 23 25 | 23 6 | 16 43 | 2 51 |
| T 10 | 13 23 | 9 0 | 4 2 | 7 37 | 0 36 | 15 32 | 6 27 | 11 43 | 0 39 | 19 24 | 0 33 | 7 29 | 2 40 | 14 34 | 0 26 | 16 31 | 0 23 | 8 45 | 17 18 | 23 28 | 23 25 | 23 6 | 16 43 | 2 51 |
| W11 | 13 4 | 13 50 | 3 13 | 6 53 | 0 29 | 15 37 | 6 21 | 11 57 | 0 40 | 19 21 | 0 33 | 7 29 | 2 40 | 14 34 | 0 26 | 16 32 | 0 23 | 8 46 | 17 18 | 23 27 | 23 25 | 23 5 | 16 43 | 2 51 |
| T 12 | 12 44 | 18 7 | 2 12 | 6 10 | 0 22 | 15 41 | 6 14 | 12 12 | 0 40 | 19 18 | 0 33 | 7 28 | 2 40 | 14 34 | 0 26 | 16 32 | 0 23 | 8 46 | 17 19 | 23 27 | 23 25 | 23 4 | 16 43 | 2 51 |
| F 13 | 12 24 | 21 32 | 1 3 | 5 26 | 0 15 | 15 45 | 6 8 | 12 26 | 0 41 | 19 15 | 0 33 | 7 27 | 2 41 | 14 34 | 0 26 | 16 33 | 0 23 | 8 47 | 17 19 | 23 28 | 23 24 | 23 3 | 16 43 | 2 52 |
| S 14 | 12 4 | 23 43 | 0s12 | 4 43 | 0 7 | 15 49 | 6 1 | 12 40 | 0 42 | 19 12 | 0 33 | 7 26 | 2 41 | 14 34 | 0 26 | 16 33 | 0 23 | 8 47 | 17 19 | 23 28 | 23 24 | 23 3 | 16 43 | 2 52 |
| S 15 | 11 44 | 24 23 | 1 29 | 4 0 | 0s 1 | 15 52 | 5 54 | 12 55 | 0 43 | 19 9 | 0 33 | 7 26 | 2 41 | 14 34 | 0 26 | 16 34 | 0 23 | 8 48 | 17 19 | 23 27 | 23 24 | 23 2 | 16 43 | 2 52 |
| M16 | 11 23 | 23 21 | 2 40 | 3 17 | 0 9 | 15 56 | 5 47 | 13 9 | 0 43 | 19 6 | 0 33 | 7 25 | 2 41 | 14 34 | 0 26 | 16 34 | 0 23 | 8 48 | 17 20 | 23 27 | 23 24 | 23 1 | 16 43 | 2 53 |
| T 17 | 11 2 | 20 38 | 3 42 | 2 35 | 0 17 | 15 59 | 5 40 | 13 23 | 0 44 | 19 3 | 0 33 | 7 24 | 2 42 | 14 34 | 0 26 | 16 35 | 0 23 | 8 49 | 17 20 | 23 27 | 23 24 | 23 0 | 16 43 | 2 53 |
| W18 | 10 42 | 16 30 | 4 28 | 1 53 | 0 25 | 16 2 | 5 32 | 13 37 | 0 45 | 19 0 | 0 33 | 7 23 | 2 42 | 14 34 | 0 26 | 16 35 | 0 23 | 8 49 | 17 20 | 23 27 | 23 24 | 22 59 | 16 43 | 2 53 |
| T 19 | 10 21 | 11 21 | 4 55 | 1 11 | 0 33 | 16 5 | 5 25 | 13 52 | 0 45 | 18 56 | 0 34 | 7 22 | 2 42 | 14 33 | 0 26 | 16 36 | 0 23 | 8 50 | 17 20 | 23 27 | 23 24 | 22 59 | 16 42 | 2 53 |
| F 20 | 9 59 | 5 38 | 5 2 | 0 30 | 0 41 | 16 7 | 5 17 | 14 6 | 0 46 | 18 53 | 0 34 | 7 21 | 2 42 | 14 33 | 0 26 | 16 36 | 0 23 | 8 50 | 17 21 | 23 26 | 23 23 | 22 58 | 16 42 | 2 54 |
| S 21 | 9 38 | 0n15 | 4 50 | 0s11 | 0 50 | 16 9 | 5 10 | 14 19 | 0 47 | 18 50 | 0 34 | 7 20 | 2 42 | 14 33 | 0 26 | 16 36 | 0 23 | 8 51 | 17 21 | 23 26 | 23 23 | 22 57 | 16 42 | 2 54 |
| S 22 | 9 17 | 5 57 | 4 20 | 0 52 | 0 58 | 16 11 | 5 2 | 14 33 | 0 47 | 18 47 | 0 34 | 7 19 | 2 43 | 14 33 | 0 26 | 16 37 | 0 23 | 8 51 | 17 21 | 23 26 | 23 23 | 22 56 | 16 42 | 2 54 |
| M23 | 8 55 | 11 10 | 3 37 | 1 32 | 1 7 | 16 13 | 4 55 | 14 47 | 0 48 | 18 44 | 0 34 | 7 18 | 2 43 | 14 33 | 0 26 | 16 37 | 0 23 | 8 52 | 17 21 | 23 25 | 23 23 | 22 55 | 16 42 | 2 55 |
| T 24 | 8 33 | 15 44 | 2 44 | 2 11 | 1 15 | 16 14 | 4 47 | 15 1 | 0 49 | 18 41 | 0 34 | 7 17 | 2 43 | 14 32 | 0 26 | 16 38 | 0 23 | 8 52 | 17 22 | 23 25 | 23 23 | 22 54 | 16 41 | 2 55 |
| W25 | 8 11 | 19 27 | 1 44 | 2 50 | 1 23 | 16 14 | 4 39 | 15 15 | 0 49 | 18 38 | 0 34 | 7 16 | 2 43 | 14 32 | 0 26 | 16 38 | 0 23 | 8 53 | 17 22 | 23 25 | 23 23 | 22 54 | 16 41 | 2 55 |
| T 26 | 7 49 | 22 12 | 0 41 | 3 28 | 1 32 | 16 15 | 4 31 | 15 28 | 0 50 | 18 35 | 0 34 | 7 15 | 2 44 | 14 32 | 0 26 | 16 39 | 0 23 | 8 53 | 17 22 | 23 25 | 23 23 | 22 53 | 16 41 | 2 55 |
| F 27 | 7 27 | 23 53 | 0n22 | 4 5 | 1 40 | 16 15 | 4 24 | 15 42 | 0 51 | 18 31 | 0 35 | 7 14 | 2 44 | 14 31 | 0 26 | 16 39 | 0 23 | 8 54 | 17 22 | 23 25 | 23 22 | 22 52 | 16 40 | 2 56 |
| S 28 | 7 5 | 24 29 | 1 24 | 4 41 | 1 49 | 16 14 | 4 16 | 15 55 | 0 51 | 18 28 | 0 35 | 7 13 | 2 44 | 14 31 | 0 26 | 16 40 | 0 23 | 8 54 | 17 22 | 23 25 | 23 22 | 22 51 | 16 40 | 2 56 |
| S 29 | 6 42 | 23 57 | 2 22 | 5 17 | 1 57 | 16 14 | 4 8 | 16 8 | 0 52 | 18 25 | 0 35 | 7 11 | 2 44 | 14 31 | 0 26 | 16 40 | 0 23 | 8 55 | 17 23 | 23 25 | 23 22 | 22 50 | 16 40 | 2 56 |
| M30 | 6 20 | 22 21 | 3 13 | 5 52 | 2 5 | 16 12 | 4 1 | 16 22 | 0 52 | 18 22 | 0 35 | 7 10 | 2 44 | 14 30 | 0 26 | 16 40 | 0 23 | 8 55 | 17 23 | 23 25 | 23 22 | 22 49 | 16 39 | 2 57 |
| T 31 | 5n57 | 19n46 | 3n57 | 6s25 | 2s13 | 16n11 | 3s53 | 16s35 | 0s53 | 18n19 | 0n35 | 7n 9 | 2s45 | 14n30 | 0s26 | 16s41 | 0s23 | 8s56 | 17s23 | 23n24 | 23n22 | 22n48 | 16n39 | 2s57 |

Julian Day Number = 2214357.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°40'55, Lahiri = 14°47'56 Julian Calendar 1 Aug. 1350 == Greg. Calendar 9 Aug. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## SEPTEMBER 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 11 11 | 15♍55'14 | 28♌17 | 12♎ 8 | 1♌54 | 13♏30 | 10♌23 | 24°R55 | 10°R 8 | 15°R14 | 18°R 9 | 24°R17 | 23♊27 | 2♌44 | 26°R51 | W 1 |
| T 2 | 23 15 8 | 16°53'53 | 10♍26 | 13°10 | 2°39 | 14°11 | 10°35 | 24♈52 | 10♉ 7 | 15♒12 | 18♈ 8 | 24♊ 4 | 23°24 | 2°51 | 26♉50 | T 2 |
| F 3 | 23 19 5 | 17°52'35 | 22°45 | 14°10 | 3°25 | 14°52 | 10°47 | 24°49 | 10° 5 | 15°11 | 18° 7 | 23°50 | 23°21 | 2°57 | 26°50 | F 3 |
| S 4 | 23 23 1 | 18°51'18 | 5♎15 | 15° 8 | 4°12 | 15°34 | 10°58 | 24°45 | 10° 4 | 15°10 | 18° 6 | 23°37 | 23°18 | 3° 4 | 26°49 | S 4 |
| S 5 | 23 26 58 | 19°50'03 | 17°55 | 16° 3 | 5° 0 | 16°15 | 11°10 | 24°42 | 10° 3 | 15° 8 | 18° 5 | 23°25 | 23°15 | 3°11 | 26°48 | S 5 |
| M 6 | 23 30 54 | 20°48'50 | 0♏46 | 16°55 | 5°48 | 16°56 | 11°22 | 24°38 | 10° 2 | 15° 7 | 18° 4 | 23°15 | 23°11 | 3°18 | 26°48 | M 6 |
| T 7 | 23 34 51 | 21°47'39 | 13°48 | 17°43 | 6°37 | 17°38 | 11°33 | 24°35 | 10° 0 | 15° 6 | 18° 3 | 23° 9 | 23° 8 | 3°24 | 26°47 | T 7 |
| W 8 | 23 38 47 | 22°46'29 | 27° 3 | 18°29 | 7°28 | 18°20 | 11°44 | 24°31 | 9°59 | 15° 5 | 18° 2 | 23° 5 | 23° 5 | 3°31 | 26°46 | W 8 |
| T 9 | 23 42 44 | 23°45'22 | 10♐31 | 19°10 | 8°18 | 19° 2 | 11°56 | 24°27 | 9°57 | 15° 3 | 18° 1 | 23° 3 | 23° 2 | 3°38 | 26°45 | T 9 |
| F 10 | 23 46 40 | 24°44'16 | 24°14 | 19°47 | 9°10 | 19°44 | 12° 7 | 24°23 | 9°56 | 15° 2 | 18° 0 | 23° 3 | 22°59 | 3°44 | 26°44 | F 10 |
| S 11 | 23 50 37 | 25°43'12 | 8♑13 | 20°20 | 10° 2 | 20°26 | 12°18 | 24°20 | 9°54 | 15° 1 | 17°59 | 23° 3 | 22°56 | 3°51 | 26°43 | S 11 |
| S 12 | 23 54 33 | 26°42'10 | 22°29 | 20°48 | 10°55 | 21° 8 | 12°30 | 24°16 | 9°53 | 15° 0 | 17°58 | 23° 1 | 22°52 | 3°58 | 26°42 | S 12 |
| M13 | 23 58 30 | 27°41'09 | 6♒58 | 21°10 | 11°48 | 21°50 | 12°41 | 24°12 | 9°51 | 14°59 | 17°57 | 22°57 | 22°49 | 4° 4 | 26°41 | M13 |
| T 14 | 0 2 27 | 28°40'11 | 21°39 | 21°28 | 12°43 | 22°32 | 12°52 | 24° 8 | 9°49 | 14°58 | 17°56 | 22°51 | 22°46 | 4°11 | 26°39 | T 14 |
| W15 | 0 6 23 | 29°39'14 | 6♓25 | 21°38 | 13°37 | 23°15 | 13° 3 | 24° 4 | 9°48 | 14°57 | 17°55 | 22°42 | 22°43 | 4°18 | 26°38 | W15 |
| T 16 | 0 10 20 | 0♎38'19 | 21° 8 | 21°R43 | 14°33 | 23°57 | 13°13 | 23°59 | 9°46 | 14°56 | 17°54 | 22°30 | 22°40 | 4°24 | 26°37 | T 16 |
| F 17 | 0 14 16 | 1°37'26 | 5♈41 | 21°40 | 15°29 | 24°40 | 13°24 | 23°55 | 9°44 | 14°55 | 17°53 | 22°19 | 22°37 | 4°31 | 26°35 | F 17 |
| S 18 | 0 18 13 | 2°36'35 | 19°55 | 21°30 | 16°25 | 25°22 | 13°35 | 23°51 | 9°42 | 14°54 | 17°52 | 22° 8 | 22°33 | 4°38 | 26°34 | S 18 |
| S 19 | 0 22 9 | 3°35'46 | 3♉46 | 21°13 | 17°22 | 26° 5 | 13°45 | 23°47 | 9°40 | 14°53 | 17°50 | 21°59 | 22°30 | 4°44 | 26°32 | S 19 |
| M20 | 0 26 6 | 4°35'00 | 17°12 | 20°47 | 18°20 | 26°48 | 13°56 | 23°42 | 9°39 | 14°52 | 17°49 | 21°52 | 22°27 | 4°51 | 26°30 | M20 |
| T 21 | 0 30 2 | 5°34'15 | 0♊11 | 20°13 | 19°18 | 27°31 | 14° 6 | 23°38 | 9°37 | 14°51 | 17°48 | 21°48 | 22°24 | 4°58 | 26°29 | T 21 |
| W22 | 0 33 59 | 6°33'34 | 12°47 | 19°32 | 20°16 | 28°13 | 14°17 | 23°33 | 9°35 | 14°50 | 17°47 | 21°46 | 22°21 | 5° 4 | 26°27 | W22 |
| T 23 | 0 37 56 | 7°32'54 | 25° 4 | 18°42 | 21°15 | 28°57 | 14°27 | 23°29 | 9°33 | 14°49 | 17°46 | 21°D46 | 22°17 | 5°11 | 26°25 | T 23 |
| F 24 | 0 41 52 | 8°32'17 | 7♋ 6 | 17°46 | 22°15 | 29°40 | 14°37 | 23°24 | 9°31 | 14°48 | 17°45 | 21°R46 | 22°14 | 5°18 | 26°23 | F 24 |
| S 25 | 0 45 49 | 9°31'42 | 18°59 | 16°43 | 23°15 | 0♐23 | 14°47 | 23°20 | 9°29 | 14°48 | 17°44 | 21°45 | 22°11 | 5°24 | 26°21 | S 25 |
| S 26 | 0 49 45 | 10°31'10 | 0♌48 | 15°35 | 24°15 | 1° 6 | 14°57 | 23°15 | 9°27 | 14°47 | 17°43 | 21°43 | 22° 8 | 5°31 | 26°19 | S 26 |
| M27 | 0 53 42 | 11°30'40 | 12°38 | 14°24 | 25°16 | 1°50 | 15° 7 | 23°10 | 9°24 | 14°46 | 17°41 | 21°39 | 22° 5 | 5°38 | 26°17 | M27 |
| T 28 | 0 57 38 | 12°30'12 | 24°34 | 13°11 | 26°17 | 2°33 | 15°16 | 23° 6 | 9°22 | 14°45 | 17°40 | 21°32 | 22° 2 | 5°44 | 26°15 | T 28 |
| W29 | 1 1 35 | 13°29'46 | 6♍40 | 11°58 | 27°19 | 3°17 | 15°26 | 23° 1 | 9°20 | 14°45 | 17°39 | 21°23 | 21°58 | 5°51 | 26°13 | W29 |
| T 30 | 1 5 31 | 14♎29'22 | 18♍59 | 10♎48 | 28♌21 | 4♐ 0 | 15♌36 | 22♈56 | 9♉18 | 14♒44 | 17♈38 | 21♊12 | 21♊55 | 5♌58 | 26♉11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n34 | 16n20 | 4n30 | 6s58 | 2s21 | 16n 9 | 3s45 | 16s48 | 0s53 | 18n16 | 0n35 | 7n 7 | 2s45 | 14n30 | 0s26 | 16s41 | 0s23 | 8s56 | 17s23 | 23n24 | 23n22 | 22n48 | 16n39 | 2s57 |
| T 2 | 5 11 | 12 10 | 4 52 | 7 30 | 2 29 | 16 6 | 3 38 | 17 1 | 0 54 | 18 13 | 0 35 | 7 6 | 2 45 | 14 29 | 0 26 | 16 42 | 0 23 | 8 57 | 17 23 | 23 23 | 23 22 | 22 47 | 16 38 | 2 58 |
| F 3 | 4 49 | 7 28 | 5 0 | 8 0 | 2 36 | 16 3 | 3 30 | 17 14 | 0 55 | 18 10 | 0 36 | 7 5 | 2 45 | 14 29 | 0 26 | 16 42 | 0 23 | 8 57 | 17 24 | 23 23 | 23 21 | 22 46 | 16 38 | 2 58 |
| S 4 | 4 25 | 2 24 | 4 54 | 8 30 | 2 44 | 16 0 | 3 22 | 17 26 | 0 55 | 18 7 | 0 36 | 7 3 | 2 45 | 14 29 | 0 26 | 16 42 | 0 23 | 8 58 | 17 24 | 23 22 | 23 21 | 22 45 | 16 37 | 2 58 |
| S 5 | 4 2 | 2s50 | 4 33 | 8 57 | 2 51 | 15 56 | 3 15 | 17 39 | 0 56 | 18 4 | 0 36 | 7 2 | 2 46 | 14 28 | 0 26 | 16 43 | 0 23 | 8 58 | 17 24 | 23 22 | 23 21 | 22 44 | 16 37 | 2 58 |
| M 6 | 3 39 | 8 3 | 3 59 | 9 24 | 2 57 | 15 52 | 3 7 | 17 51 | 0 56 | 18 0 | 0 36 | 7 0 | 2 46 | 14 28 | 0 26 | 16 43 | 0 23 | 8 59 | 17 24 | 23 21 | 23 21 | 22 43 | 16 37 | 2 59 |
| T 7 | 3 16 | 13 0 | 3 11 | 9 48 | 3 4 | 15 47 | 3 0 | 18 4 | 0 57 | 17 57 | 0 36 | 6 59 | 2 46 | 14 27 | 0 26 | 16 44 | 0 23 | 8 59 | 17 24 | 23 21 | 23 21 | 22 42 | 16 36 | 2 59 |
| W 8 | 2 53 | 17 25 | 2 13 | 10 11 | 3 10 | 15 41 | 2 53 | 18 16 | 0 57 | 17 54 | 0 36 | 6 58 | 2 46 | 14 27 | 0 26 | 16 44 | 0 23 | 9 0 | 17 24 | 23 21 | 23 21 | 22 41 | 16 36 | 2 59 |
| T 9 | 2 29 | 21 1 | 1 6 | 10 33 | 3 16 | 15 36 | 2 45 | 18 28 | 0 58 | 17 51 | 0 36 | 6 56 | 2 46 | 14 26 | 0 26 | 16 44 | 0 23 | 9 0 | 17 25 | 23 20 | 23 20 | 22 40 | 16 35 | 3 0 |
| F 10 | 2 6 | 23 30 | 0s 6 | 10 52 | 3 21 | 15 29 | 2 38 | 18 40 | 0 58 | 17 48 | 0 37 | 6 54 | 2 46 | 14 26 | 0 26 | 16 45 | 0 23 | 9 1 | 17 25 | 23 20 | 23 20 | 22 39 | 16 35 | 3 0 |
| S 11 | 1 42 | 24 35 | 1 19 | 11 8 | 3 25 | 15 23 | 2 31 | 18 52 | 0 59 | 17 45 | 0 37 | 6 53 | 2 47 | 14 25 | 0 26 | 16 45 | 0 23 | 9 1 | 17 25 | 23 20 | 23 20 | 22 38 | 16 34 | 3 0 |
| S 12 | 1 19 | 24 5 | 2 29 | 11 23 | 3 29 | 15 15 | 2 23 | 19 4 | 0 59 | 17 42 | 0 37 | 6 51 | 2 47 | 14 25 | 0 26 | 16 45 | 0 23 | 9 2 | 17 25 | 23 20 | 23 20 | 22 37 | 16 34 | 3 0 |
| M13 | 0 55 | 21 58 | 3 30 | 11 34 | 3 33 | 15 7 | 2 16 | 19 15 | 1 0 | 17 39 | 0 37 | 6 50 | 2 47 | 14 24 | 0 26 | 16 46 | 0 23 | 9 2 | 17 25 | 23 20 | 23 20 | 22 36 | 16 33 | 3 1 |
| T 14 | 0 32 | 18 24 | 4 18 | 11 43 | 3 35 | 14 59 | 2 9 | 19 27 | 1 0 | 17 36 | 0 37 | 6 48 | 2 47 | 14 24 | 0 26 | 16 46 | 0 23 | 9 3 | 17 25 | 23 20 | 23 20 | 22 35 | 16 32 | 3 1 |
| W15 | 0 8 | 13 39 | 4 49 | 11 48 | 3 37 | 14 50 | 2 2 | 19 38 | 1 1 | 17 33 | 0 37 | 6 46 | 2 47 | 14 23 | 0 26 | 16 46 | 0 23 | 9 3 | 17 25 | 23 19 | 23 19 | 22 34 | 16 32 | 3 1 |
| T 16 | 0s15 | 8 7 | 5 0 | 11 51 | 3 37 | 14 41 | 1 55 | 19 49 | 1 1 | 17 30 | 0 37 | 6 45 | 2 47 | 14 23 | 0 26 | 16 47 | 0 23 | 9 4 | 17 25 | 23 19 | 23 19 | 22 33 | 16 31 | 3 2 |
| F 17 | 0 39 | 2 13 | 4 52 | 11 49 | 3 36 | 14 31 | 1 48 | 20 0 | 1 2 | 17 27 | 0 38 | 6 43 | 2 47 | 14 22 | 0 26 | 16 47 | 0 23 | 9 4 | 17 26 | 23 18 | 23 19 | 22 32 | 16 31 | 3 2 |
| S 18 | 1 2 | 3n42 | 4 26 | 11 44 | 3 35 | 14 21 | 1 42 | 20 11 | 1 2 | 17 25 | 0 38 | 6 42 | 2 47 | 14 22 | 0 26 | 16 47 | 0 23 | 9 5 | 17 26 | 23 17 | 23 19 | 22 31 | 16 30 | 3 2 |
| S 19 | 1 26 | 9 17 | 3 45 | 11 34 | 3 31 | 14 11 | 1 35 | 20 21 | 1 3 | 17 22 | 0 38 | 6 40 | 2 48 | 14 21 | 0 26 | 16 47 | 0 23 | 9 5 | 17 26 | 23 17 | 23 19 | 22 30 | 16 29 | 3 2 |
| M20 | 1 50 | 14 16 | 2 52 | 11 20 | 3 26 | 13 59 | 1 28 | 20 32 | 1 3 | 17 19 | 0 38 | 6 38 | 2 48 | 14 20 | 0 26 | 16 48 | 0 23 | 9 6 | 17 26 | 23 16 | 23 18 | 22 29 | 16 29 | 3 3 |
| T 21 | 2 13 | 18 26 | 1 52 | 11 1 | 3 20 | 13 48 | 1 22 | 20 42 | 1 4 | 17 16 | 0 38 | 6 36 | 2 48 | 14 20 | 0 26 | 16 48 | 0 23 | 9 6 | 17 26 | 23 16 | 23 18 | 22 28 | 16 28 | 3 3 |
| W22 | 2 37 | 21 38 | 0 47 | 10 37 | 3 12 | 13 35 | 1 15 | 20 52 | 1 4 | 17 13 | 0 38 | 6 35 | 2 48 | 14 19 | 0 26 | 16 48 | 0 23 | 9 7 | 17 26 | 23 16 | 23 18 | 22 27 | 16 28 | 3 3 |
| T 23 | 3 0 | 23 43 | 0n18 | 10 9 | 3 1 | 13 23 | 1 9 | 21 2 | 1 4 | 17 10 | 0 39 | 6 33 | 2 48 | 14 18 | 0 26 | 16 48 | 0 23 | 9 7 | 17 26 | 23 16 | 23 18 | 22 26 | 16 27 | 3 3 |
| F 24 | 3 24 | 24 40 | 1 21 | 9 36 | 2 49 | 13 9 | 1 3 | 21 12 | 1 5 | 17 7 | 0 39 | 6 31 | 2 48 | 14 18 | 0 26 | 16 49 | 0 23 | 9 8 | 17 26 | 23 16 | 23 18 | 22 25 | 16 26 | 3 4 |
| S 25 | 3 47 | 24 28 | 2 19 | 8 59 | 2 35 | 12 56 | 0 56 | 21 22 | 1 5 | 17 5 | 0 39 | 6 29 | 2 48 | 14 17 | 0 26 | 16 49 | 0 23 | 9 8 | 17 26 | 23 16 | 23 18 | 22 24 | 16 25 | 3 4 |
| S 26 | 4 11 | 23 10 | 3 12 | 8 18 | 2 20 | 12 42 | 0 50 | 21 31 | 1 6 | 17 2 | 0 39 | 6 28 | 2 48 | 14 17 | 0 26 | 16 49 | 0 23 | 9 9 | 17 26 | 23 16 | 23 17 | 22 23 | 16 25 | 3 4 |
| M27 | 4 34 | 20 51 | 3 56 | 7 34 | 2 2 | 12 27 | 0 44 | 21 41 | 1 6 | 16 59 | 0 39 | 6 26 | 2 48 | 14 16 | 0 26 | 16 49 | 0 23 | 9 9 | 17 26 | 23 16 | 23 17 | 22 22 | 16 24 | 3 5 |
| T 28 | 4 57 | 17 37 | 4 30 | 6 49 | 1 44 | 12 12 | 0 38 | 21 50 | 1 6 | 16 56 | 0 39 | 6 24 | 2 48 | 14 15 | 0 26 | 16 50 | 0 23 | 9 9 | 17 26 | 23 15 | 23 17 | 22 21 | 16 23 | 3 5 |
| W29 | 5 21 | 13 37 | 4 53 | 6 2 | 1 24 | 11 57 | 0 32 | 21 59 | 1 7 | 16 54 | 0 40 | 6 22 | 2 48 | 14 15 | 0 26 | 16 50 | 0 23 | 9 10 | 17 26 | 23 15 | 23 17 | 22 20 | 16 23 | 3 5 |
| T 30 | 5s44 | 9n 0 | 5n 2 | 5s16 | 1s 4 | 11n41 | 0s27 | 22s 7 | 1s 7 | 16n51 | 0n40 | 6n21 | 2s48 | 14n14 | 0s26 | 16s50 | 0s23 | 9s10 | 17s26 | 23n14 | 23n17 | 22n19 | 16n22 | 3s 5 |

Julian Day Number = 2214388.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'00, Lahiri = 14°48'00 Julian Calendar 1 Sept. 1350 == Greg. Calendar 9 Sept. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## OCTOBER 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 9 28 | 15♎29'01 | 1♎31 | 9°R42 | 29♌23 | 4♐44 | 15♌45 | 22°R51 | 9°R16 | 14°R44 | 17°R37 | 20°R59 | 21♊52 | 6♌ 5 | 26°R 9 | F 1 |
| S 2 | 1 13 25 | 16°28'42 | 14°17 | 8♎42 | 0♍26 | 5°28 | 15°54 | 22♈47 | 9♉14 | 14♒43 | 17♈36 | 20♊48 | 21°49 | 6°11 | 26♉ 6 | S 2 |
| S 3 | 1 17 21 | 17°28'24 | 27°17 | 7°51 | 1°29 | 6°12 | 16° 3 | 22°42 | 9°11 | 14°42 | 17°35 | 20°37 | 21°46 | 6°18 | 26° 4 | S 3 |
| M 4 | 1 21 18 | 18°28'09 | 10♏30 | 7°10 | 2°32 | 6°55 | 16°13 | 22°37 | 9° 9 | 14°42 | 17°33 | 20°29 | 21°43 | 6°25 | 26° 2 | M 4 |
| T 5 | 1 25 14 | 19°27'56 | 23°53 | 6°39 | 3°36 | 7°39 | 16°22 | 22°32 | 9° 7 | 14°41 | 17°32 | 20°23 | 21°39 | 6°31 | 25°59 | T 5 |
| W 6 | 1 29 11 | 20°27'45 | 7♐27 | 6°19 | 4°40 | 8°24 | 16°30 | 22°27 | 9° 4 | 14°41 | 17°31 | 20°20 | 21°36 | 6°38 | 25°57 | W 6 |
| T 7 | 1 33 7 | 21°27'35 | 21°10 | 6°D10 | 5°44 | 9° 8 | 16°39 | 22°23 | 9° 2 | 14°41 | 17°30 | 20°D19 | 21°33 | 6°45 | 25°54 | T 7 |
| F 8 | 1 37 4 | 22°27'27 | 5♑ 1 | 6°13 | 6°48 | 9°52 | 16°48 | 22°18 | 9° 0 | 14°40 | 17°29 | 20°20 | 21°30 | 6°51 | 25°52 | F 8 |
| S 9 | 1 41 0 | 23°27'21 | 19° 1 | 6°27 | 7°53 | 10°36 | 16°56 | 22°13 | 8°57 | 14°40 | 17°28 | 20°R21 | 21°27 | 6°58 | 25°49 | S 9 |
| S 10 | 1 44 57 | 24°27'17 | 3♒ 8 | 6°51 | 8°58 | 11°21 | 17° 5 | 22° 8 | 8°55 | 14°40 | 17°27 | 20°20 | 21°23 | 7° 5 | 25°46 | S 10 |
| M11 | 1 48 54 | 25°27'14 | 17°21 | 7°24 | 10° 4 | 12° 5 | 17°13 | 22° 3 | 8°53 | 14°39 | 17°25 | 20°18 | 21°20 | 7°11 | 25°44 | M11 |
| T 12 | 1 52 50 | 26°27'12 | 1♓39 | 8° 7 | 11°10 | 12°50 | 17°21 | 21°58 | 8°50 | 14°39 | 17°24 | 20°14 | 21°17 | 7°18 | 25°41 | T 12 |
| W13 | 1 56 47 | 27°27'13 | 15°58 | 8°57 | 12°15 | 13°34 | 17°29 | 21°54 | 8°48 | 14°39 | 17°23 | 20° 7 | 21°14 | 7°25 | 25°38 | W13 |
| T 14 | 2 0 43 | 28°27'15 | 0♈14 | 9°54 | 13°22 | 14°19 | 17°37 | 21°49 | 8°45 | 14°39 | 17°22 | 19°59 | 21°11 | 7°31 | 25°35 | T 14 |
| F 15 | 2 4 40 | 29°27'18 | 14°21 | 10°58 | 14°28 | 15° 4 | 17°45 | 21°44 | 8°43 | 14°38 | 17°21 | 19°51 | 21° 8 | 7°38 | 25°32 | F 15 |
| S 16 | 2 8 36 | 0♏27'24 | 28°15 | 12° 7 | 15°35 | 15°48 | 17°52 | 21°39 | 8°41 | 14°38 | 17°20 | 19°42 | 21° 4 | 7°45 | 25°29 | S 16 |
| S 17 | 2 12 33 | 1°27'31 | 11♉50 | 13°20 | 16°42 | 16°33 | 18° 0 | 21°35 | 8°38 | 14°38 | 17°19 | 19°36 | 21° 1 | 7°51 | 25°26 | S 17 |
| M18 | 2 16 29 | 2°27'41 | 25° 6 | 14°38 | 17°49 | 17°18 | 18° 7 | 21°30 | 8°36 | 14°38 | 17°18 | 19°31 | 20°58 | 7°58 | 25°23 | M18 |
| T 19 | 2 20 26 | 3°27'52 | 8♊ 0 | 15°59 | 18°56 | 18° 3 | 18°14 | 21°25 | 8°33 | 14°D38 | 17°17 | 19°28 | 20°55 | 8° 5 | 25°20 | T 19 |
| W20 | 2 24 22 | 4°28'05 | 20°34 | 17°23 | 20° 4 | 18°48 | 18°21 | 21°21 | 8°31 | 14°38 | 17°15 | 19°D27 | 20°52 | 8°12 | 25°17 | W20 |
| T 21 | 2 28 19 | 5°28'21 | 2♋51 | 18°49 | 21°12 | 19°33 | 18°28 | 21°16 | 8°28 | 14°38 | 17°14 | 19°28 | 20°48 | 8°18 | 25°14 | T 21 |
| F 22 | 2 32 16 | 6°28'38 | 14°55 | 20°18 | 22°20 | 20°18 | 18°35 | 21°11 | 8°26 | 14°38 | 17°13 | 19°29 | 20°45 | 8°25 | 25°11 | F 22 |
| S 23 | 2 36 12 | 7°28'57 | 26°49 | 21°48 | 23°28 | 21° 4 | 18°41 | 21° 7 | 8°23 | 14°38 | 17°12 | 19°31 | 20°42 | 8°32 | 25° 8 | S 23 |
| S 24 | 2 40 9 | 8°29'19 | 8♌39 | 23°19 | 24°37 | 21°49 | 18°48 | 21° 2 | 8°21 | 14°39 | 17°11 | 19°R32 | 20°39 | 8°38 | 25° 5 | S 24 |
| M25 | 2 44 5 | 9°29'42 | 20°31 | 24°51 | 25°45 | 22°34 | 18°54 | 20°58 | 8°18 | 14°39 | 17°10 | 19°31 | 20°36 | 8°45 | 25° 2 | M25 |
| T 26 | 2 48 2 | 10°30'07 | 2♍28 | 26°25 | 26°54 | 23°20 | 19° 0 | 20°53 | 8°16 | 14°39 | 17° 9 | 19°28 | 20°33 | 8°52 | 24°58 | T 26 |
| W27 | 2 51 58 | 11°30'34 | 14°37 | 27°59 | 28° 3 | 24° 5 | 19° 6 | 20°49 | 8°13 | 14°39 | 17° 8 | 19°24 | 20°29 | 8°58 | 24°55 | W27 |
| T 28 | 2 55 55 | 12°31'03 | 27° 0 | 29°33 | 29°12 | 24°51 | 19°12 | 20°45 | 8°11 | 14°39 | 17° 7 | 19°19 | 20°26 | 9° 5 | 24°52 | T 28 |
| F 29 | 2 59 51 | 13°31'34 | 9♎40 | 1♏ 8 | 0♎22 | 25°36 | 19°18 | 20°40 | 8° 8 | 14°40 | 17° 6 | 19°12 | 20°23 | 9°12 | 24°49 | F 29 |
| S 30 | 3 3 48 | 14°32'06 | 22°39 | 2°43 | 1°31 | 26°22 | 19°23 | 20°36 | 8° 6 | 14°40 | 17° 5 | 19° 6 | 20°20 | 9°18 | 24°45 | S 30 |
| S 31 | 3 7 45 | 15♏32'41 | 5♏57 | 4♏18 | 2♎41 | 27♐ 8 | 19♌29 | 20♈32 | 8♉ 3 | 14♒41 | 17♈ 4 | 19♊ 0 | 20♊17 | 9♌25 | 24♉42 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6s 7 | 3n56 | 4n57 | 4s31 | 0s43 | 11n24 | 0s21 | 22s16 | 1s 7 | 16n48 | 0n40 | 6n19 | 2s48 | 14n13 | 0s26 | 16s50 | 0s23 | 9s11 | 17s26 | 23n13 | 23n16 | 22n18 | 16n21 | 3s 6 |
| S 2 | 6 30 | 1s23 | 4 38 | 3 48 | 0 22 | 11 7 | 0 15 | 22 24 | 1 8 | 16 46 | 0 40 | 6 17 | 2 48 | 14 12 | 0 26 | 16 50 | 0 23 | 9 11 | 17 26 | 23 12 | 23 16 | 22 17 | 16 20 | 3 6 |
| S 3 | 6 53 | 6 45 | 4 4 | 3 10 | 0 2 | 10 50 | 0 10 | 22 32 | 1 8 | 16 43 | 0 40 | 6 15 | 2 48 | 14 12 | 0 26 | 16 50 | 0 23 | 9 12 | 17 26 | 23 11 | 23 16 | 22 16 | 16 19 | 3 6 |
| M 4 | 7 16 | 11 55 | 3 16 | 2 36 | 0n17 | 10 32 | 0 4 | 22 40 | 1 8 | 16 41 | 0 41 | 6 13 | 2 48 | 14 11 | 0 26 | 16 51 | 0 23 | 9 12 | 17 26 | 23 11 | 23 16 | 22 15 | 16 19 | 3 6 |
| T 5 | 7 39 | 16 37 | 2 16 | 2 7 | 0 35 | 10 14 | 0n 1 | 22 48 | 1 9 | 16 38 | 0 41 | 6 12 | 2 48 | 14 10 | 0 26 | 16 51 | 0 23 | 9 12 | 17 26 | 23 10 | 23 16 | 22 13 | 16 18 | 3 7 |
| W 6 | 8 1 | 20 31 | 1 8 | 1 44 | 0 51 | 9 56 | 0 6 | 22 55 | 1 9 | 16 36 | 0 41 | 6 10 | 2 48 | 14 9 | 0 26 | 16 51 | 0 23 | 9 13 | 17 26 | 23 10 | 23 15 | 22 12 | 16 17 | 3 7 |
| T 7 | 8 24 | 23 18 | 0s 5 | 1 27 | 1 6 | 9 37 | 0 11 | 23 2 | 1 9 | 16 33 | 0 41 | 6 8 | 2 48 | 14 9 | 0 26 | 16 51 | 0 23 | 9 13 | 17 26 | 23 10 | 23 15 | 22 11 | 16 16 | 3 7 |
| F 8 | 8 46 | 24 44 | 1 18 | 1 16 | 1 20 | 9 18 | 0 16 | 23 9 | 1 10 | 16 31 | 0 41 | 6 6 | 2 48 | 14 8 | 0 26 | 16 51 | 0 23 | 9 14 | 17 26 | 23 10 | 23 15 | 22 10 | 16 15 | 3 7 |
| S 9 | 9 8 | 24 36 | 2 27 | 1 10 | 1 31 | 8 58 | 0 21 | 23 16 | 1 10 | 16 28 | 0 42 | 6 4 | 2 48 | 14 7 | 0 26 | 16 51 | 0 23 | 9 14 | 17 26 | 23 10 | 23 15 | 22 9 | 16 15 | 3 7 |
| S 10 | 9 31 | 22 54 | 3 29 | 1 11 | 1 41 | 8 38 | 0 26 | 23 23 | 1 10 | 16 26 | 0 42 | 6 3 | 2 48 | 14 6 | 0 26 | 16 51 | 0 23 | 9 14 | 17 26 | 23 10 | 23 15 | 22 8 | 16 14 | 3 8 |
| M11 | 9 53 | 19 46 | 4 17 | 1 16 | 1 50 | 8 17 | 0 30 | 23 29 | 1 11 | 16 24 | 0 42 | 6 1 | 2 48 | 14 6 | 0 26 | 16 51 | 0 23 | 9 15 | 17 26 | 23 10 | 23 14 | 22 7 | 16 13 | 3 8 |
| T 12 | 10 15 | 15 26 | 4 50 | 1 27 | 1 56 | 7 57 | 0 35 | 23 35 | 1 11 | 16 21 | 0 42 | 5 59 | 2 48 | 14 5 | 0 26 | 16 51 | 0 23 | 9 15 | 17 26 | 23 10 | 23 14 | 22 6 | 16 12 | 3 8 |
| W13 | 10 36 | 10 14 | 5 5 | 1 42 | 2 2 | 7 36 | 0 39 | 23 41 | 1 11 | 16 19 | 0 42 | 5 57 | 2 48 | 14 4 | 0 26 | 16 52 | 0 23 | 9 15 | 17 26 | 23 9 | 23 14 | 22 4 | 16 11 | 3 8 |
| T 14 | 10 58 | 4 31 | 5 1 | 2 1 | 2 6 | 7 14 | 0 44 | 23 47 | 1 11 | 16 17 | 0 43 | 5 56 | 2 48 | 14 3 | 0 26 | 16 52 | 0 23 | 9 16 | 17 26 | 23 9 | 23 14 | 22 3 | 16 10 | 3 9 |
| F 15 | 11 19 | 1n24 | 4 39 | 2 23 | 2 9 | 6 52 | 0 48 | 23 52 | 1 12 | 16 15 | 0 43 | 5 54 | 2 48 | 14 3 | 0 26 | 16 52 | 0 23 | 9 16 | 17 26 | 23 8 | 23 14 | 22 2 | 16 9 | 3 9 |
| S 16 | 11 40 | 7 9 | 4 0 | 2 48 | 2 10 | 6 30 | 0 52 | 23 57 | 1 12 | 16 13 | 0 43 | 5 52 | 2 48 | 14 2 | 0 26 | 16 52 | 0 23 | 9 16 | 17 26 | 23 7 | 23 13 | 22 1 | 16 9 | 3 9 |
| S 17 | 12 1 | 12 27 | 3 9 | 3 17 | 2 11 | 6 8 | 0 56 | 24 2 | 1 12 | 16 11 | 0 43 | 5 51 | 2 48 | 14 1 | 0 26 | 16 52 | 0 23 | 9 17 | 17 25 | 23 7 | 23 13 | 22 0 | 16 8 | 3 9 |
| M18 | 12 22 | 17 2 | 2 8 | 3 47 | 2 10 | 5 45 | 1 0 | 24 7 | 1 12 | 16 9 | 0 43 | 5 49 | 2 48 | 14 0 | 0 26 | 16 52 | 0 23 | 9 17 | 17 25 | 23 6 | 23 13 | 21 59 | 16 7 | 3 9 |
| T 19 | 12 43 | 20 42 | 1 2 | 4 20 | 2 9 | 5 22 | 1 4 | 24 11 | 1 12 | 16 7 | 0 44 | 5 47 | 2 48 | 13 59 | 0 26 | 16 52 | 0 23 | 9 17 | 17 25 | 23 6 | 23 13 | 21 57 | 16 6 | 3 10 |
| W20 | 13 3 | 23 17 | 0n 6 | 4 54 | 2 7 | 4 59 | 1 8 | 24 15 | 1 13 | 16 5 | 0 44 | 5 46 | 2 48 | 13 59 | 0 26 | 16 52 | 0 23 | 9 18 | 17 25 | 23 6 | 23 12 | 21 56 | 16 5 | 3 10 |
| T 21 | 13 24 | 24 42 | 1 12 | 5 29 | 2 4 | 4 35 | 1 11 | 24 19 | 1 13 | 16 3 | 0 44 | 5 44 | 2 48 | 13 58 | 0 26 | 16 52 | 0 23 | 9 18 | 17 25 | 23 6 | 23 12 | 21 55 | 16 4 | 3 10 |
| F 22 | 13 44 | 24 54 | 2 14 | 6 6 | 2 1 | 4 12 | 1 15 | 24 23 | 1 13 | 16 1 | 0 44 | 5 42 | 2 48 | 13 57 | 0 26 | 16 52 | 0 23 | 9 18 | 17 25 | 23 6 | 23 12 | 21 54 | 16 3 | 3 10 |
| S 23 | 14 3 | 23 57 | 3 9 | 6 43 | 1 57 | 3 48 | 1 18 | 24 26 | 1 13 | 15 59 | 0 44 | 5 41 | 2 48 | 13 56 | 0 26 | 16 52 | 0 23 | 9 18 | 17 25 | 23 6 | 23 12 | 21 53 | 16 2 | 3 10 |
| S 24 | 14 23 | 21 57 | 3 55 | 7 21 | 1 53 | 3 23 | 1 21 | 24 29 | 1 13 | 15 57 | 0 45 | 5 39 | 2 47 | 13 55 | 0 26 | 16 52 | 0 23 | 9 19 | 17 25 | 23 7 | 23 12 | 21 51 | 16 1 | 3 10 |
| M25 | 14 42 | 19 0 | 4 32 | 7 59 | 1 48 | 2 59 | 1 24 | 24 32 | 1 14 | 15 55 | 0 45 | 5 38 | 2 47 | 13 55 | 0 26 | 16 52 | 0 23 | 9 19 | 17 24 | 23 6 | 23 11 | 21 50 | 16 0 | 3 11 |
| T 26 | 15 1 | 15 15 | 4 57 | 8 38 | 1 43 | 2 34 | 1 27 | 24 35 | 1 14 | 15 54 | 0 45 | 5 36 | 2 47 | 13 54 | 0 26 | 16 51 | 0 23 | 9 19 | 17 24 | 23 6 | 23 11 | 21 49 | 15 59 | 3 11 |
| W27 | 15 20 | 10 50 | 5 10 | 9 17 | 1 37 | 2 9 | 1 30 | 24 37 | 1 14 | 15 52 | 0 45 | 5 34 | 2 47 | 13 53 | 0 26 | 16 51 | 0 23 | 9 19 | 17 24 | 23 6 | 23 11 | 21 48 | 15 59 | 3 11 |
| T 28 | 15 39 | 5 54 | 5 8 | 9 55 | 1 32 | 1 44 | 1 33 | 24 39 | 1 14 | 15 50 | 0 46 | 5 33 | 2 47 | 13 52 | 0 26 | 16 51 | 0 23 | 9 20 | 17 24 | 23 6 | 23 11 | 21 46 | 15 58 | 3 11 |
| F 29 | 15 57 | 0 37 | 4 51 | 10 34 | 1 26 | 1 19 | 1 36 | 24 41 | 1 14 | 15 49 | 0 46 | 5 32 | 2 47 | 13 52 | 0 26 | 16 51 | 0 23 | 9 20 | 17 24 | 23 5 | 23 10 | 21 45 | 15 57 | 3 11 |
| S 30 | 16 15 | 4s50 | 4 19 | 11 13 | 1 20 | 0 54 | 1 38 | 24 43 | 1 14 | 15 47 | 0 46 | 5 30 | 2 47 | 13 51 | 0 26 | 16 51 | 0 23 | 9 20 | 17 24 | 23 4 | 23 10 | 21 44 | 15 56 | 3 11 |
| S 31 | 16s33 | 10s12 | 3n33 | 11s51 | 1n13 | 0n28 | 1n41 | 24s44 | 1s14 | 15n46 | 0n46 | 5n29 | 2s46 | 13n50 | 0s26 | 16s51 | 0s23 | 9s20 | 17s23 | 23n 4 | 23n10 | 21n43 | 15n55 | 3s11 |

Julian Day Number = 2214418.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'04, Lahiri = 14°48'04 Julian Calendar 1 Oct. 1350 == Greg. Calendar 9 Oct. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## NOVEMBER 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 11 41 | 16♏33'17 | 19♏32 | 5♏54 | 3♎51 | 27♐53 | 19♌34 | 20°R28 | 8°R 1 | 14♒41 | 17°R 3 | 18°R56 | 20♊14 | 9♌32 | 24°R39 | M 1 |
| T 2 | 3 15 38 | 17°33'54 | 3♐22 | 7°29 | 5° 1 | 28°39 | 19°39 | 20♈24 | 7♉58 | 14°41 | 17♈ 2 | 18♊53 | 20°10 | 9°38 | 24♉35 | T 2 |
| W 3 | 3 19 34 | 18°34'33 | 17°22 | 9° 5 | 6°11 | 29°25 | 19°44 | 20°20 | 7°56 | 14°42 | 17° 1 | 18°D53 | 20° 7 | 9°45 | 24°32 | W 3 |
| T 4 | 3 23 31 | 19°35'13 | 1♑31 | 10°40 | 7°21 | 0♑11 | 19°48 | 20°16 | 7°53 | 14°42 | 17° 0 | 18°53 | 20° 4 | 9°52 | 24°29 | T 4 |
| F 5 | 3 27 27 | 20°35'55 | 15°43 | 12°15 | 8°32 | 0°57 | 19°53 | 20°12 | 7°51 | 14°43 | 16°59 | 18°54 | 20° 1 | 9°59 | 24°25 | F 5 |
| S 6 | 3 31 24 | 21°36'37 | 29°57 | 13°51 | 9°42 | 1°43 | 19°57 | 20° 9 | 7°49 | 14°44 | 16°58 | 18°56 | 19°58 | 10° 5 | 24°22 | S 6 |
| S 7 | 3 35 21 | 22°37'21 | 14♒10 | 15°26 | 10°53 | 2°29 | 20° 2 | 20° 5 | 7°46 | 14°44 | 16°57 | 18°57 | 19°54 | 10°12 | 24°19 | S 7 |
| M 8 | 3 39 17 | 23°38'06 | 28°19 | 17° 1 | 12° 4 | 3°15 | 20° 6 | 20° 1 | 7°44 | 14°45 | 16°57 | 18°R57 | 19°51 | 10°19 | 24°15 | M 8 |
| T 9 | 3 43 14 | 24°38'51 | 12♓23 | 18°36 | 13°15 | 4° 1 | 20° 9 | 19°58 | 7°42 | 14°46 | 16°56 | 18°56 | 19°48 | 10°25 | 24°12 | T 9 |
| W10 | 3 47 10 | 25°39'38 | 26°21 | 20°11 | 14°26 | 4°47 | 20°13 | 19°54 | 7°39 | 14°46 | 16°55 | 18°54 | 19°45 | 10°32 | 24° 8 | W10 |
| T 11 | 3 51 7 | 26°40'26 | 10♈ 9 | 21°46 | 15°37 | 5°34 | 20°16 | 19°51 | 7°37 | 14°47 | 16°54 | 18°51 | 19°42 | 10°39 | 24° 5 | T 11 |
| F 12 | 3 55 3 | 27°41'14 | 23°47 | 23°20 | 16°48 | 6°20 | 20°20 | 19°48 | 7°35 | 14°48 | 16°53 | 18°48 | 19°39 | 10°45 | 24° 2 | F 12 |
| S 13 | 3 59 0 | 28°42'04 | 7♉13 | 24°55 | 18° 0 | 7° 6 | 20°23 | 19°44 | 7°32 | 14°49 | 16°52 | 18°45 | 19°35 | 10°52 | 23°58 | S 13 |
| S 14 | 4 2 56 | 29°42'55 | 20°25 | 26°29 | 19°11 | 7°53 | 20°26 | 19°41 | 7°30 | 14°50 | 16°51 | 18°42 | 19°32 | 10°59 | 23°55 | S 14 |
| M15 | 4 6 53 | 0♐43'47 | 3♊21 | 28° 4 | 20°23 | 8°39 | 20°29 | 19°38 | 7°28 | 14°51 | 16°51 | 18°40 | 19°29 | 11° 5 | 23°52 | M15 |
| T 16 | 4 10 50 | 1°44'40 | 16° 2 | 29°38 | 21°35 | 9°25 | 20°31 | 19°35 | 7°26 | 14°51 | 16°50 | 18°D40 | 19°26 | 11°12 | 23°48 | T 16 |
| W17 | 4 14 46 | 2°45'34 | 28°29 | 1♑12 | 22°47 | 10°12 | 20°34 | 19°32 | 7°23 | 14°52 | 16°49 | 18°40 | 19°23 | 11°19 | 23°45 | W17 |
| T 18 | 4 18 43 | 3°46'30 | 10♋42 | 2°47 | 23°58 | 10°58 | 20°36 | 19°30 | 7°21 | 14°53 | 16°48 | 18°41 | 19°20 | 11°26 | 23°42 | T 18 |
| F 19 | 4 22 39 | 4°47'27 | 22°44 | 4°21 | 25°11 | 11°45 | 20°38 | 19°27 | 7°19 | 14°54 | 16°48 | 18°42 | 19°16 | 11°32 | 23°38 | F 19 |
| S 20 | 4 26 36 | 5°48'24 | 4♌38 | 5°55 | 26°23 | 12°32 | 20°40 | 19°24 | 7°17 | 14°55 | 16°47 | 18°44 | 19°13 | 11°39 | 23°35 | S 20 |
| S 21 | 4 30 32 | 6°49'23 | 16°29 | 7°29 | 27°35 | 13°18 | 20°41 | 19°22 | 7°15 | 14°57 | 16°46 | 18°45 | 19°10 | 11°46 | 23°32 | S 21 |
| M22 | 4 34 29 | 7°50'24 | 28°20 | 9° 4 | 28°47 | 14° 5 | 20°43 | 19°20 | 7°13 | 14°58 | 16°46 | 18°45 | 19° 7 | 11°52 | 23°28 | M22 |
| T 23 | 4 38 25 | 8°51'25 | 10♍17 | 10°38 | 29°59 | 14°52 | 20°44 | 19°17 | 7°11 | 14°59 | 16°45 | 18°R46 | 19° 4 | 11°59 | 23°25 | T 23 |
| W24 | 4 42 22 | 9°52'27 | 22°24 | 12°12 | 1♏12 | 15°38 | 20°45 | 19°15 | 7° 9 | 15° 0 | 16°44 | 18°45 | 19° 0 | 12° 6 | 23°22 | W24 |
| T 25 | 4 46 19 | 10°53'30 | 4♎46 | 13°47 | 2°25 | 16°25 | 20°46 | 19°13 | 7° 7 | 15° 1 | 16°44 | 18°45 | 18°57 | 12°12 | 23°19 | T 25 |
| F 26 | 4 50 15 | 11°54'35 | 17°26 | 15°21 | 3°37 | 17°12 | 20°46 | 19°11 | 7° 5 | 15° 2 | 16°43 | 18°44 | 18°54 | 12°19 | 23°16 | F 26 |
| S 27 | 4 54 12 | 12°55'40 | 0♏28 | 16°56 | 4°50 | 17°59 | 20°47 | 19° 9 | 7° 3 | 15° 4 | 16°43 | 18°43 | 18°51 | 12°26 | 23°12 | S 27 |
| S 28 | 4 58 8 | 13°56'47 | 13°54 | 18°31 | 6° 3 | 18°46 | 20°47 | 19° 7 | 7° 1 | 15° 5 | 16°42 | 18°42 | 18°48 | 12°33 | 23° 9 | S 28 |
| M29 | 5 2 5 | 14°57'54 | 27°43 | 20° 6 | 7°16 | 19°33 | 20°R47 | 19° 6 | 6°59 | 15° 6 | 16°42 | 18°42 | 18°45 | 12°39 | 23° 6 | M29 |
| T 30 | 5 6 1 | 15♐59'02 | 11♐53 | 21♐41 | 8♏29 | 20♑19 | 20♌47 | 19♈ 4 | 6♉58 | 15♒ 8 | 16♈41 | 18°D42 | 18♊41 | 12♌46 | 23♉ 3 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s51 | 15s13 | 2n34 | 12s29 | 1n 7 | 0n 3 | 1n43 | 24s45 | 1s14 | 15n44 | 0n46 | 5n27 | 2s46 | 13n49 | 0s26 | 16s51 | 0s23 | 9s21 | 17s23 | 23n 4 | 23n10 | 21n41 | 15n54 | 3s12 |
| T 2 | 17 8 | 19 32 | 1 24 | 13 7 | 1 0 | 0s23 | 1 45 | 24 46 | 1 15 | 15 43 | 0 47 | 5 26 | 2 46 | 13 48 | 0 26 | 16 51 | 0 23 | 9 21 | 17 23 | 23 3 | 23 10 | 21 40 | 15 53 | 3 12 |
| W 3 | 17 25 | 22 47 | 0 8 | 13 44 | 0 54 | 0 49 | 1 48 | 24 46 | 1 15 | 15 42 | 0 47 | 5 25 | 2 46 | 13 48 | 0 26 | 16 51 | 0 23 | 9 21 | 17 23 | 23 3 | 23 9 | 21 39 | 15 52 | 3 12 |
| T 4 | 17 42 | 24 40 | 1s 9 | 14 20 | 0 47 | 1 15 | 1 50 | 24 46 | 1 15 | 15 40 | 0 47 | 5 23 | 2 46 | 13 47 | 0 26 | 16 50 | 0 23 | 9 21 | 17 23 | 23 3 | 23 9 | 21 38 | 15 51 | 3 12 |
| F 5 | 17 58 | 24 57 | 2 22 | 14 56 | 0 40 | 1 41 | 1 51 | 24 46 | 1 15 | 15 39 | 0 47 | 5 22 | 2 46 | 13 46 | 0 26 | 16 50 | 0 23 | 9 21 | 17 22 | 23 4 | 23 9 | 21 36 | 15 50 | 3 12 |
| S 6 | 18 14 | 23 36 | 3 27 | 15 31 | 0 33 | 2 7 | 1 53 | 24 46 | 1 15 | 15 38 | 0 48 | 5 21 | 2 45 | 13 45 | 0 26 | 16 50 | 0 23 | 9 21 | 17 22 | 23 4 | 23 9 | 21 35 | 15 49 | 3 12 |
| S 7 | 18 30 | 20 45 | 4 18 | 16 6 | 0 26 | 2 34 | 1 55 | 24 45 | 1 15 | 15 37 | 0 48 | 5 20 | 2 45 | 13 45 | 0 26 | 16 50 | 0 23 | 9 21 | 17 22 | 23 4 | 23 8 | 21 34 | 15 48 | 3 12 |
| M 8 | 18 45 | 16 42 | 4 54 | 16 40 | 0 19 | 3 0 | 1 56 | 24 44 | 1 15 | 15 36 | 0 48 | 5 18 | 2 45 | 13 44 | 0 26 | 16 50 | 0 23 | 9 22 | 17 22 | 23 4 | 23 8 | 21 32 | 15 47 | 3 12 |
| T 9 | 19 0 | 11 44 | 5 12 | 17 13 | 0 13 | 3 26 | 1 58 | 24 43 | 1 15 | 15 35 | 0 48 | 5 17 | 2 45 | 13 43 | 0 26 | 16 49 | 0 23 | 9 22 | 17 22 | 23 4 | 23 8 | 21 31 | 15 47 | 3 13 |
| W10 | 19 15 | 6 13 | 5 12 | 17 46 | 0 6 | 3 53 | 1 59 | 24 41 | 1 15 | 15 34 | 0 49 | 5 16 | 2 45 | 13 42 | 0 26 | 16 49 | 0 23 | 9 22 | 17 21 | 23 3 | 23 8 | 21 30 | 15 46 | 3 13 |
| T 11 | 19 29 | 0 27 | 4 53 | 18 17 | 0s 1 | 4 19 | 2 0 | 24 39 | 1 15 | 15 33 | 0 49 | 5 15 | 2 44 | 13 42 | 0 26 | 16 49 | 0 23 | 9 22 | 17 21 | 23 3 | 23 7 | 21 28 | 15 45 | 3 13 |
| F 12 | 19 43 | 5n16 | 4 18 | 18 48 | 0 8 | 4 45 | 2 2 | 24 37 | 1 15 | 15 32 | 0 49 | 5 14 | 2 44 | 13 41 | 0 26 | 16 49 | 0 23 | 9 22 | 17 21 | 23 3 | 23 7 | 21 27 | 15 44 | 3 13 |
| S 13 | 19 56 | 10 41 | 3 29 | 19 18 | 0 14 | 5 12 | 2 3 | 24 35 | 1 15 | 15 31 | 0 49 | 5 13 | 2 44 | 13 40 | 0 26 | 16 49 | 0 23 | 9 22 | 17 21 | 23 3 | 23 7 | 21 26 | 15 43 | 3 13 |
| S 14 | 20 10 | 15 31 | 2 30 | 19 47 | 0 21 | 5 38 | 2 3 | 24 32 | 1 15 | 15 31 | 0 50 | 5 12 | 2 44 | 13 39 | 0 26 | 16 48 | 0 23 | 9 22 | 17 20 | 23 2 | 23 7 | 21 24 | 15 42 | 3 13 |
| M15 | 20 23 | 19 32 | 1 24 | 20 15 | 0 27 | 6 4 | 2 4 | 24 29 | 1 15 | 15 30 | 0 50 | 5 11 | 2 44 | 13 39 | 0 26 | 16 48 | 0 23 | 9 22 | 17 20 | 23 2 | 23 6 | 21 23 | 15 41 | 3 13 |
| T 16 | 20 35 | 22 33 | 0 14 | 20 42 | 0 34 | 6 31 | 2 5 | 24 26 | 1 15 | 15 30 | 0 50 | 5 10 | 2 43 | 13 38 | 0 26 | 16 48 | 0 23 | 9 22 | 17 20 | 23 2 | 23 6 | 21 22 | 15 40 | 3 13 |
| W17 | 20 47 | 24 25 | 0n54 | 21 8 | 0 40 | 6 57 | 2 6 | 24 23 | 1 15 | 15 29 | 0 50 | 5 9 | 2 43 | 13 37 | 0 26 | 16 47 | 0 23 | 9 22 | 17 20 | 23 2 | 23 6 | 21 20 | 15 39 | 3 13 |
| T 18 | 20 59 | 25 4 | 1 59 | 21 33 | 0 46 | 7 23 | 2 6 | 24 19 | 1 15 | 15 29 | 0 51 | 5 9 | 2 43 | 13 37 | 0 26 | 16 47 | 0 23 | 9 22 | 17 19 | 23 2 | 23 6 | 21 19 | 15 38 | 3 13 |
| F 19 | 21 10 | 24 31 | 2 58 | 21 57 | 0 52 | 7 49 | 2 6 | 24 15 | 1 15 | 15 28 | 0 51 | 5 8 | 2 43 | 13 36 | 0 26 | 16 47 | 0 23 | 9 22 | 17 19 | 23 3 | 23 5 | 21 18 | 15 38 | 3 13 |
| S 20 | 21 21 | 22 51 | 3 48 | 22 20 | 0 58 | 8 15 | 2 7 | 24 10 | 1 15 | 15 28 | 0 51 | 5 7 | 2 42 | 13 35 | 0 26 | 16 47 | 0 23 | 9 22 | 17 19 | 23 3 | 23 5 | 21 16 | 15 37 | 3 13 |
| S 21 | 21 32 | 20 13 | 4 28 | 22 41 | 1 4 | 8 41 | 2 7 | 24 6 | 1 15 | 15 28 | 0 51 | 5 6 | 2 42 | 13 35 | 0 26 | 16 46 | 0 23 | 9 22 | 17 18 | 23 3 | 23 5 | 21 15 | 15 36 | 3 13 |
| M22 | 21 42 | 16 44 | 4 57 | 23 2 | 1 10 | 9 6 | 2 7 | 24 1 | 1 15 | 15 27 | 0 52 | 5 6 | 2 42 | 13 34 | 0 26 | 16 46 | 0 23 | 9 22 | 17 18 | 23 3 | 23 5 | 21 13 | 15 35 | 3 14 |
| T 23 | 21 51 | 12 34 | 5 14 | 23 22 | 1 15 | 9 32 | 2 7 | 23 56 | 1 15 | 15 27 | 0 52 | 5 5 | 2 42 | 13 33 | 0 26 | 16 46 | 0 23 | 9 22 | 17 18 | 23 3 | 23 4 | 21 12 | 15 34 | 3 14 |
| W24 | 22 1 | 7 52 | 5 16 | 23 40 | 1 20 | 9 57 | 2 7 | 23 50 | 1 15 | 15 27 | 0 52 | 5 4 | 2 41 | 13 33 | 0 26 | 16 45 | 0 23 | 9 22 | 17 18 | 23 3 | 23 4 | 21 11 | 15 33 | 3 14 |
| T 25 | 22 9 | 2 46 | 5 5 | 23 57 | 1 26 | 10 22 | 2 7 | 23 45 | 1 15 | 15 27 | 0 52 | 5 4 | 2 41 | 13 32 | 0 26 | 16 45 | 0 23 | 9 22 | 17 17 | 23 3 | 23 4 | 21 9 | 15 33 | 3 14 |
| F 26 | 22 18 | 2s35 | 4 38 | 24 13 | 1 30 | 10 47 | 2 6 | 23 39 | 1 14 | 15 27 | 0 53 | 5 3 | 2 41 | 13 31 | 0 26 | 16 45 | 0 23 | 9 22 | 17 17 | 23 3 | 23 4 | 21 8 | 15 32 | 3 14 |
| S 27 | 22 26 | 7 59 | 3 57 | 24 28 | 1 35 | 11 12 | 2 6 | 23 32 | 1 14 | 15 27 | 0 53 | 5 3 | 2 41 | 13 31 | 0 26 | 16 44 | 0 23 | 9 22 | 17 17 | 23 3 | 23 3 | 21 6 | 15 31 | 3 14 |
| S 28 | 22 33 | 13 11 | 3 1 | 24 41 | 1 40 | 11 37 | 2 5 | 23 26 | 1 14 | 15 27 | 0 53 | 5 2 | 2 40 | 13 30 | 0 26 | 16 44 | 0 23 | 9 22 | 17 16 | 23 3 | 23 3 | 21 5 | 15 30 | 3 14 |
| M29 | 22 40 | 17 52 | 1 54 | 24 53 | 1 44 | 12 1 | 2 5 | 23 19 | 1 14 | 15 28 | 0 53 | 5 2 | 2 40 | 13 30 | 0 26 | 16 43 | 0 23 | 9 22 | 17 16 | 23 2 | 23 3 | 21 3 | 15 29 | 3 14 |
| T 30 | 22s47 | 21s40 | 0n38 | 25s 3 | 1s48 | 12s25 | 2n 4 | 23s12 | 1s14 | 15n28 | 0n54 | 5n 2 | 2s40 | 13n29 | 0s26 | 16s43 | 0s23 | 9s22 | 17s16 | 23n 2 | 23n 2 | 21n 2 | 15n29 | 3s14 |

Julian Day Number = 2214449.5, Delta T = 09m08s
Ecliptic obliquity = 23°31'26, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'08, Lahiri = 14°48'09 Julian Calendar 1 Nov. 1350 == Greg. Calendar 9 Nov. 1350


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# ASTRODIENST EPHEMERIS for the year 1350
# geocentric

## DECEMBER 1350 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 9 58 | 17♐ 0'11 | 26♐19 | 23♐16 | 9♏42 | 21♑ 6 | 20°R47 | 19°R 3 | 6°R56 | 15♒ 9 | 16°R41 | 18♊42 | 18♊38 | 12♌53 | 23°R 0 | W 1 |
| T 2 | 5 13 54 | 18° 1'20 | 10♑57 | 24°52 | 10°55 | 21°53 | 20♌46 | 19♈ 1 | 6♉54 | 15°10 | 16♈40 | 18°42 | 18°35 | 12°59 | 22♉57 | T 2 |
| F 3 | 5 17 51 | 19° 2'30 | 25°39 | 26°27 | 12° 8 | 22°40 | 20°45 | 19° 0 | 6°52 | 15°12 | 16°40 | 18°R42 | 18°32 | 13° 6 | 22°54 | F 3 |
| S 4 | 5 21 48 | 20° 3'39 | 10♒18 | 28° 3 | 13°21 | 23°27 | 20°45 | 18°59 | 6°51 | 15°13 | 16°39 | 18°42 | 18°29 | 13°13 | 22°51 | S 4 |
| S 5 | 5 25 44 | 21° 4'49 | 24°50 | 29°38 | 14°34 | 24°14 | 20°43 | 18°58 | 6°49 | 15°15 | 16°39 | 18°42 | 18°26 | 13°19 | 22°48 | S 5 |
| M 6 | 5 29 41 | 22° 5'59 | 9♓ 9 | 1♑14 | 15°48 | 25° 2 | 20°42 | 18°57 | 6°48 | 15°16 | 16°38 | 18°41 | 18°22 | 13°26 | 22°46 | M 6 |
| T 7 | 5 33 37 | 23° 7'09 | 23°14 | 2°50 | 17° 1 | 25°49 | 20°41 | 18°56 | 6°46 | 15°18 | 16°38 | 18°D41 | 18°19 | 13°33 | 22°43 | T 7 |
| W 8 | 5 37 34 | 24° 8'19 | 7♈ 1 | 4°26 | 18°14 | 26°36 | 20°39 | 18°56 | 6°45 | 15°20 | 16°38 | 18°41 | 18°16 | 13°40 | 22°40 | W 8 |
| T 9 | 5 41 30 | 25° 9'29 | 20°33 | 6° 2 | 19°28 | 27°23 | 20°37 | 18°55 | 6°43 | 15°21 | 16°37 | 18°42 | 18°13 | 13°46 | 22°37 | T 9 |
| F 10 | 5 45 27 | 26°10'39 | 3♉49 | 7°38 | 20°41 | 28°10 | 20°35 | 18°55 | 6°42 | 15°23 | 16°37 | 18°43 | 18°10 | 13°53 | 22°35 | F 10 |
| S 11 | 5 49 23 | 27°11'50 | 16°50 | 9°14 | 21°55 | 28°57 | 20°33 | 18°54 | 6°41 | 15°24 | 16°37 | 18°43 | 18° 6 | 14° 0 | 22°32 | S 11 |
| S 12 | 5 53 20 | 28°13'00 | 29°37 | 10°50 | 23° 8 | 29°44 | 20°30 | 18°54 | 6°39 | 15°26 | 16°36 | 18°44 | 18° 3 | 14° 6 | 22°29 | S 12 |
| M13 | 5 57 17 | 29°14'10 | 12♊12 | 12°25 | 24°22 | 0♒32 | 20°27 | 18°54 | 6°38 | 15°28 | 16°36 | 18°45 | 18° 0 | 14°13 | 22°27 | M13 |
| T 14 | 6 1 13 | 0♑15'20 | 24°36 | 14° 0 | 25°35 | 1°19 | 20°25 | 18°D54 | 6°37 | 15°29 | 16°36 | 18°R45 | 17°57 | 14°20 | 22°24 | T 14 |
| W15 | 6 5 10 | 1°16'30 | 6♋50 | 15°35 | 26°49 | 2° 6 | 20°22 | 18°54 | 6°36 | 15°31 | 16°36 | 18°44 | 17°54 | 14°26 | 22°22 | W15 |
| T 16 | 6 9 6 | 2°17'40 | 18°55 | 17° 9 | 28° 3 | 2°53 | 20°18 | 18°54 | 6°34 | 15°33 | 16°36 | 18°43 | 17°51 | 14°33 | 22°20 | T 16 |
| F 17 | 6 13 3 | 3°18'51 | 0♌53 | 18°43 | 29°17 | 3°40 | 20°15 | 18°55 | 6°33 | 15°35 | 16°35 | 18°41 | 17°47 | 14°40 | 22°17 | F 17 |
| S 18 | 6 16 59 | 4°20'01 | 12°46 | 20°15 | 0♐30 | 4°28 | 20°11 | 18°55 | 6°32 | 15°37 | 16°35 | 18°38 | 17°44 | 14°47 | 22°15 | S 18 |
| S 19 | 6 20 56 | 5°21'11 | 24°37 | 21°46 | 1°44 | 5°15 | 20° 8 | 18°56 | 6°31 | 15°38 | 16°35 | 18°35 | 17°41 | 14°53 | 22°13 | S 19 |
| M20 | 6 24 53 | 6°22'22 | 6♍28 | 23°16 | 2°58 | 6° 2 | 20° 4 | 18°56 | 6°31 | 15°40 | 16°35 | 18°33 | 17°38 | 15° 0 | 22°11 | M20 |
| T 21 | 6 28 49 | 7°23'32 | 18°24 | 24°43 | 4°12 | 6°49 | 20° 0 | 18°57 | 6°30 | 15°42 | 16°35 | 18°31 | 17°35 | 15° 7 | 22° 9 | T 21 |
| W22 | 6 32 46 | 8°24'43 | 0♎28 | 26° 9 | 5°26 | 7°37 | 19°55 | 18°58 | 6°29 | 15°44 | 16°35 | 18°30 | 17°32 | 15°13 | 22° 6 | W22 |
| T 23 | 6 36 42 | 9°25'53 | 12°45 | 27°32 | 6°40 | 8°24 | 19°51 | 18°59 | 6°28 | 15°46 | 16°D35 | 18°D30 | 17°28 | 15°20 | 22° 4 | T 23 |
| F 24 | 6 40 39 | 10°27'03 | 25°20 | 28°51 | 7°54 | 9°11 | 19°46 | 19° 0 | 6°27 | 15°48 | 16°35 | 18°30 | 17°25 | 15°27 | 22° 3 | F 24 |
| S 25 | 6 44 35 | 11°28'14 | 8♏17 | 0♒ 7 | 9° 8 | 9°59 | 19°41 | 19° 1 | 6°27 | 15°50 | 16°35 | 18°32 | 17°22 | 15°33 | 22° 1 | S 25 |
| S 26 | 6 48 32 | 12°29'24 | 21°39 | 1°19 | 10°22 | 10°46 | 19°36 | 19° 3 | 6°26 | 15°52 | 16°35 | 18°33 | 17°19 | 15°40 | 21°59 | S 26 |
| M27 | 6 52 28 | 13°30'35 | 5♐27 | 2°25 | 11°36 | 11°33 | 19°31 | 19° 4 | 6°25 | 15°54 | 16°35 | 18°35 | 17°16 | 15°47 | 21°57 | M27 |
| T 28 | 6 56 25 | 14°31'45 | 19°43 | 3°25 | 12°50 | 12°21 | 19°26 | 19° 6 | 6°25 | 15°56 | 16°35 | 18°R35 | 17°12 | 15°54 | 21°55 | T 28 |
| W29 | 7 0 22 | 15°32'54 | 4♑22 | 4°19 | 14° 4 | 13° 8 | 19°21 | 19° 7 | 6°24 | 15°58 | 16°35 | 18°34 | 17° 9 | 16° 0 | 21°54 | W29 |
| T 30 | 7 4 18 | 16°34'04 | 19°20 | 5° 5 | 15°19 | 13°55 | 19°15 | 19° 9 | 6°24 | 16° 0 | 16°36 | 18°32 | 17° 6 | 16° 7 | 21°52 | T 30 |
| F 31 | 7 8 15 | 17♑35'12 | 4♒26 | 5♒42 | 16♐33 | 14♒43 | 19♌ 9 | 19♈11 | 6♉24 | 16♒ 2 | 16♈36 | 18♊28 | 17♊ 3 | 16♌14 | 21♉51 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s53 | 24s11 | 0s42 | 25s13 | 1s52 | 12s49 | 2n 3 | 23s 5 | 1s14 | 15n28 | 0n54 | 5n 1 | 2s40 | 13n28 | 0s25 | 16s43 | 0s23 | 9s21 | 17s15 | 23n 2 | 23n 2 | 21n 1 | 15n28 | 3s14 |
| T 2 | 22 59 | 25 4 | 2 0 | 25 20 | 1 55 | 13 13 | 2 3 | 22 57 | 1 14 | 15 29 | 0 54 | 5 1 | 2 39 | 13 28 | 0 25 | 16 42 | 0 23 | 9 21 | 17 15 | 23 2 | 23 2 | 20 59 | 15 27 | 3 14 |
| F 3 | 23 4 | 24 13 | 3 11 | 25 27 | 1 58 | 13 36 | 2 2 | 22 49 | 1 14 | 15 29 | 0 54 | 5 1 | 2 39 | 13 27 | 0 25 | 16 42 | 0 23 | 9 21 | 17 15 | 23 2 | 23 2 | 20 58 | 15 26 | 3 14 |
| S 4 | 23 9 | 21 43 | 4 9 | 25 32 | 2 1 | 13 59 | 2 1 | 22 41 | 1 13 | 15 30 | 0 55 | 5 1 | 2 39 | 13 27 | 0 25 | 16 41 | 0 23 | 9 21 | 17 14 | 23 2 | 23 1 | 20 56 | 15 26 | 3 14 |
| S 5 | 23 13 | 17 51 | 4 50 | 25 35 | 2 4 | 14 22 | 1 59 | 22 33 | 1 13 | 15 30 | 0 55 | 5 1 | 2 38 | 13 26 | 0 25 | 16 41 | 0 23 | 9 21 | 17 14 | 23 2 | 23 1 | 20 55 | 15 25 | 3 14 |
| M 6 | 23 17 | 12 59 | 5 13 | 25 37 | 2 6 | 14 44 | 1 58 | 22 24 | 1 13 | 15 31 | 0 55 | 5 1 | 2 38 | 13 26 | 0 25 | 16 40 | 0 23 | 9 21 | 17 14 | 23 2 | 23 1 | 20 53 | 15 24 | 3 14 |
| T 7 | 23 21 | 7 32 | 5 16 | 25 37 | 2 7 | 15 6 | 1 57 | 22 15 | 1 13 | 15 32 | 0 55 | 5 1 | 2 38 | 13 25 | 0 25 | 16 40 | 0 23 | 9 21 | 17 13 | 23 2 | 23 1 | 20 52 | 15 23 | 3 14 |
| W 8 | 23 24 | 1 49 | 5 1 | 25 36 | 2 9 | 15 28 | 1 56 | 22 6 | 1 13 | 15 32 | 0 56 | 5 1 | 2 38 | 13 25 | 0 25 | 16 39 | 0 23 | 9 20 | 17 13 | 23 2 | 23 0 | 20 50 | 15 23 | 3 14 |
| T 9 | 23 26 | 3n53 | 4 30 | 25 33 | 2 10 | 15 49 | 1 54 | 21 57 | 1 13 | 15 33 | 0 56 | 5 1 | 2 37 | 13 25 | 0 25 | 16 39 | 0 23 | 9 20 | 17 13 | 23 2 | 23 0 | 20 49 | 15 22 | 3 14 |
| F 10 | 23 28 | 9 19 | 3 44 | 25 28 | 2 11 | 16 10 | 1 53 | 21 47 | 1 12 | 15 34 | 0 56 | 5 1 | 2 37 | 13 24 | 0 25 | 16 39 | 0 23 | 9 20 | 17 12 | 23 3 | 23 0 | 20 47 | 15 22 | 3 14 |
| S 11 | 23 30 | 14 14 | 2 48 | 25 22 | 2 11 | 16 31 | 1 51 | 21 37 | 1 12 | 15 35 | 0 56 | 5 1 | 2 37 | 13 24 | 0 25 | 16 38 | 0 23 | 9 20 | 17 12 | 23 3 | 22 59 | 20 46 | 15 21 | 3 14 |
| S 12 | 23 31 | 18 27 | 1 44 | 25 15 | 2 10 | 16 51 | 1 50 | 21 27 | 1 12 | 15 36 | 0 57 | 5 1 | 2 36 | 13 23 | 0 25 | 16 38 | 0 23 | 9 20 | 17 12 | 23 3 | 22 59 | 20 44 | 15 20 | 3 14 |
| M13 | 23 31 | 21 44 | 0 36 | 25 5 | 2 9 | 17 11 | 1 48 | 21 17 | 1 12 | 15 37 | 0 57 | 5 1 | 2 36 | 13 23 | 0 25 | 16 37 | 0 23 | 9 19 | 17 11 | 23 3 | 22 59 | 20 43 | 15 20 | 3 14 |
| T 14 | 23 31 | 23 57 | 0n32 | 24 54 | 2 8 | 17 30 | 1 46 | 21 6 | 1 12 | 15 38 | 0 57 | 5 2 | 2 36 | 13 23 | 0 25 | 16 37 | 0 23 | 9 19 | 17 11 | 23 3 | 22 59 | 20 41 | 15 19 | 3 13 |
| W15 | 23 31 | 24 59 | 1 39 | 24 42 | 2 6 | 17 49 | 1 44 | 20 55 | 1 11 | 15 40 | 0 57 | 5 2 | 2 36 | 13 22 | 0 25 | 16 36 | 0 23 | 9 19 | 17 11 | 23 3 | 22 58 | 20 40 | 15 19 | 3 13 |
| T 16 | 23 30 | 24 49 | 2 39 | 24 28 | 2 3 | 18 8 | 1 42 | 20 44 | 1 11 | 15 41 | 0 58 | 5 2 | 2 35 | 13 22 | 0 25 | 16 35 | 0 23 | 9 19 | 17 10 | 23 3 | 22 58 | 20 38 | 15 18 | 3 13 |
| F 17 | 23 29 | 23 29 | 3 32 | 24 12 | 2 0 | 18 26 | 1 41 | 20 33 | 1 11 | 15 42 | 0 58 | 5 3 | 2 35 | 13 21 | 0 25 | 16 35 | 0 23 | 9 18 | 17 10 | 23 2 | 22 58 | 20 37 | 15 17 | 3 13 |
| S 18 | 23 27 | 21 7 | 4 16 | 23 54 | 1 56 | 18 43 | 1 39 | 20 21 | 1 11 | 15 44 | 0 58 | 5 3 | 2 35 | 13 21 | 0 25 | 16 34 | 0 23 | 9 18 | 17 9 | 23 2 | 22 57 | 20 35 | 15 17 | 3 13 |
| S 19 | 23 25 | 17 53 | 4 48 | 23 36 | 1 52 | 19 0 | 1 36 | 20 10 | 1 10 | 15 45 | 0 58 | 5 4 | 2 34 | 13 21 | 0 25 | 16 34 | 0 23 | 9 18 | 17 9 | 23 2 | 22 57 | 20 34 | 15 16 | 3 13 |
| M20 | 23 22 | 13 56 | 5 8 | 23 15 | 1 46 | 19 17 | 1 34 | 19 58 | 1 10 | 15 46 | 0 59 | 5 4 | 2 34 | 13 21 | 0 25 | 16 33 | 0 23 | 9 17 | 17 9 | 23 2 | 22 57 | 20 32 | 15 16 | 3 13 |
| T 21 | 23 19 | 9 26 | 5 15 | 22 54 | 1 40 | 19 33 | 1 32 | 19 45 | 1 10 | 15 48 | 0 59 | 5 5 | 2 34 | 13 20 | 0 25 | 16 33 | 0 23 | 9 17 | 17 8 | 23 2 | 22 56 | 20 30 | 15 15 | 3 13 |
| W22 | 23 15 | 4 32 | 5 9 | 22 31 | 1 33 | 19 49 | 1 30 | 19 33 | 1 9 | 15 50 | 0 59 | 5 5 | 2 33 | 13 20 | 0 25 | 16 32 | 0 23 | 9 17 | 17 8 | 23 1 | 22 56 | 20 29 | 15 15 | 3 13 |
| T 23 | 23 11 | 0s38 | 4 48 | 22 7 | 1 25 | 20 4 | 1 28 | 19 20 | 1 9 | 15 51 | 0 59 | 5 6 | 2 33 | 13 20 | 0 25 | 16 32 | 0 23 | 9 16 | 17 8 | 23 1 | 22 56 | 20 27 | 15 15 | 3 13 |
| F 24 | 23 7 | 5 55 | 4 13 | 21 42 | 1 16 | 20 18 | 1 25 | 19 8 | 1 9 | 15 53 | 1 0 | 5 7 | 2 33 | 13 20 | 0 25 | 16 31 | 0 23 | 9 16 | 17 7 | 23 1 | 22 56 | 20 26 | 15 14 | 3 13 |
| S 25 | 23 2 | 11 6 | 3 24 | 21 16 | 1 6 | 20 32 | 1 23 | 18 55 | 1 9 | 15 55 | 1 0 | 5 7 | 2 33 | 13 19 | 0 25 | 16 31 | 0 23 | 9 16 | 17 7 | 23 2 | 22 55 | 20 24 | 15 14 | 3 13 |
| S 26 | 22 56 | 15 56 | 2 23 | 20 50 | 0 55 | 20 45 | 1 21 | 18 41 | 1 8 | 15 56 | 1 0 | 5 8 | 2 32 | 13 19 | 0 25 | 16 30 | 0 23 | 9 15 | 17 7 | 23 2 | 22 55 | 20 23 | 15 13 | 3 13 |
| M27 | 22 50 | 20 7 | 1 12 | 20 24 | 0 43 | 20 58 | 1 18 | 18 28 | 1 8 | 15 58 | 1 0 | 5 9 | 2 32 | 13 19 | 0 25 | 16 29 | 0 23 | 9 15 | 17 6 | 23 2 | 22 55 | 20 21 | 15 13 | 3 13 |
| T 28 | 22 44 | 23 14 | 0s 6 | 19 57 | 0 30 | 21 10 | 1 16 | 18 14 | 1 8 | 16 0 | 1 1 | 5 10 | 2 32 | 13 19 | 0 25 | 16 29 | 0 23 | 9 15 | 17 6 | 23 2 | 22 54 | 20 19 | 15 13 | 3 13 |
| W29 | 22 37 | 24 53 | 1 26 | 19 31 | 0 16 | 21 22 | 1 13 | 18 1 | 1 7 | 16 2 | 1 1 | 5 11 | 2 31 | 13 19 | 0 25 | 16 28 | 0 23 | 9 14 | 17 5 | 23 2 | 22 54 | 20 18 | 15 12 | 3 12 |
| T 30 | 22 30 | 24 47 | 2 41 | 19 5 | 0 1 | 21 33 | 1 11 | 17 47 | 1 7 | 16 4 | 1 1 | 5 12 | 2 31 | 13 19 | 0 25 | 16 28 | 0 23 | 9 14 | 17 5 | 23 2 | 22 54 | 20 16 | 15 12 | 3 12 |
| F 31 | 22s22 | 22s52 | 3s45 | 18s41 | 0n14 | 21s43 | 1n 8 | 17s32 | 1s 7 | 16n 6 | 1n 1 | 5n13 | 2s31 | 13n19 | 0s25 | 16s27 | 0s23 | 9s13 | 17s 5 | 23n 1 | 22n53 | 20n15 | 15n12 | 3s12 |

Julian Day Number = 2214479.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'12, Lahiri = 14°48'13 Julian Calendar 1 Dec. 1350 == Greg. Calendar 9 Dec. 1350


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## JANUARY 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 12 11 | 18♉36'20 | 19♒33 | 6♒11 | 17♐47 | 15♒30 | 19°R 3 | 19♈13 | 6°R23 | 16♒ 4 | 16♈36 | 18°R24 | 17♊ 0 | 16♌20 | 21°R49 | S 1 |
| S 2 | 7 16 8 | 19°37'27 | 4♓30 | 6°29 | 19° 1 | 16°17 | 18♌57 | 19°15 | 6♋23 | 16° 6 | 16°36 | 18♊19 | 16°57 | 16°27 | 21♋48 | S 2 |
| M 3 | 7 20 4 | 20°38'34 | 19° 9 | 6°R36 | 20°15 | 17° 4 | 18°51 | 19°17 | 6°23 | 16° 8 | 16°36 | 18°15 | 16°53 | 16°34 | 21°46 | M 3 |
| T 4 | 7 24 1 | 21°39'39 | 3♈26 | 6°31 | 21°30 | 17°52 | 18°45 | 19°20 | 6°23 | 16°10 | 16°37 | 18°13 | 16°50 | 16°40 | 21°45 | T 4 |
| W 5 | 7 27 57 | 22°40'43 | 17°19 | 6°16 | 22°44 | 18°39 | 18°38 | 19°22 | 6°23 | 16°12 | 16°37 | 18°D11 | 16°47 | 16°47 | 21°44 | W 5 |
| T 6 | 7 31 54 | 23°41'46 | 0♋46 | 5°48 | 23°58 | 19°26 | 18°32 | 19°25 | 6°D23 | 16°14 | 16°37 | 18°11 | 16°44 | 16°54 | 21°43 | T 6 |
| F 7 | 7 35 51 | 24°42'48 | 13°52 | 5°10 | 25°12 | 20°14 | 18°25 | 19°27 | 6°23 | 16°17 | 16°37 | 18°12 | 16°41 | 17° 1 | 21°42 | F 7 |
| S 8 | 7 39 47 | 25°43'49 | 26°39 | 4°21 | 26°27 | 21° 1 | 18°18 | 19°30 | 6°23 | 16°19 | 16°38 | 18°14 | 16°38 | 17° 7 | 21°41 | S 8 |
| S 9 | 7 43 44 | 26°44'48 | 9♊ 9 | 3°23 | 27°41 | 21°48 | 18°12 | 19°33 | 6°23 | 16°21 | 16°38 | 18°16 | 16°34 | 17°14 | 21°40 | S 9 |
| M10 | 7 47 40 | 27°45'47 | 21°28 | 2°18 | 28°55 | 22°35 | 18° 5 | 19°36 | 6°23 | 16°23 | 16°39 | 18°R16 | 16°31 | 17°21 | 21°39 | M10 |
| T 11 | 7 51 37 | 28°46'45 | 3♎36 | 1° 8 | 0♑10 | 23°23 | 17°58 | 19°39 | 6°23 | 16°25 | 16°39 | 18°15 | 16°28 | 17°27 | 21°38 | T 11 |
| W12 | 7 55 33 | 29°47'41 | 15°38 | 29♑54 | 1°24 | 24°10 | 17°50 | 19°42 | 6°23 | 16°27 | 16°39 | 18°11 | 16°25 | 17°34 | 21°38 | W12 |
| T 13 | 7 59 30 | 0♒48'37 | 27°35 | 28°39 | 2°38 | 24°57 | 17°43 | 19°45 | 6°24 | 16°30 | 16°40 | 18° 6 | 16°22 | 17°41 | 21°37 | T 13 |
| F 14 | 8 3 26 | 1°49'31 | 9♌29 | 27°25 | 3°53 | 25°44 | 17°36 | 19°49 | 6°24 | 16°32 | 16°40 | 17°58 | 16°18 | 17°48 | 21°37 | F 14 |
| S 15 | 8 7 23 | 2°50'24 | 21°21 | 26°14 | 5° 7 | 26°31 | 17°28 | 19°52 | 6°25 | 16°34 | 16°41 | 17°49 | 16°15 | 17°54 | 21°36 | S 15 |
| S 16 | 8 11 20 | 3°51'16 | 3♍12 | 25° 8 | 6°21 | 27°19 | 17°21 | 19°55 | 6°25 | 16°36 | 16°41 | 17°40 | 16°12 | 18° 1 | 21°36 | S 16 |
| M17 | 8 15 16 | 4°52'07 | 15° 6 | 24° 8 | 7°36 | 28° 6 | 17°13 | 19°59 | 6°26 | 16°39 | 16°42 | 17°31 | 16° 9 | 18° 8 | 21°35 | M17 |
| T 18 | 8 19 13 | 5°52'57 | 27° 3 | 23°15 | 8°50 | 28°53 | 17° 6 | 20° 3 | 6°26 | 16°41 | 16°42 | 17°23 | 16° 6 | 18°14 | 21°35 | T 18 |
| W19 | 8 23 9 | 6°53'46 | 9♎ 8 | 22°30 | 10° 5 | 29°40 | 16°58 | 20° 7 | 6°27 | 16°43 | 16°43 | 17°17 | 16° 3 | 18°21 | 21°35 | W19 |
| T 20 | 8 27 6 | 7°54'34 | 21°23 | 21°54 | 11°19 | 0♓27 | 16°50 | 20°11 | 6°27 | 16°45 | 16°44 | 17°13 | 15°59 | 18°28 | 21°35 | T 20 |
| F 21 | 8 31 2 | 8°55'21 | 3♏53 | 21°25 | 12°33 | 1°14 | 16°42 | 20°15 | 6°28 | 16°48 | 16°44 | 17°D12 | 15°56 | 18°34 | 21°D35 | F 21 |
| S 22 | 8 34 59 | 9°56'07 | 16°42 | 21° 5 | 13°48 | 2° 1 | 16°35 | 20°19 | 6°29 | 16°50 | 16°45 | 17°12 | 15°53 | 18°41 | 21°35 | S 22 |
| S 23 | 8 38 55 | 10°56'52 | 29°55 | 20°53 | 15° 2 | 2°48 | 16°27 | 20°23 | 6°30 | 16°52 | 16°45 | 17°13 | 15°50 | 18°48 | 21°35 | S 23 |
| M24 | 8 42 52 | 11°57'36 | 13♐34 | 20°D49 | 16°17 | 3°35 | 16°19 | 20°27 | 6°31 | 16°54 | 16°46 | 17°R13 | 15°47 | 18°55 | 21°35 | M24 |
| T 25 | 8 46 49 | 12°58'19 | 27°41 | 20°52 | 17°31 | 4°22 | 16°11 | 20°31 | 6°32 | 16°57 | 16°47 | 17°13 | 15°44 | 19° 1 | 21°35 | T 25 |
| W26 | 8 50 45 | 13°59'01 | 12♑16 | 21° 1 | 18°46 | 5° 9 | 16° 3 | 20°36 | 6°33 | 16°59 | 16°48 | 17°10 | 15°40 | 19° 8 | 21°35 | W26 |
| T 27 | 8 54 42 | 14°59'42 | 27°15 | 21°18 | 20° 0 | 5°56 | 15°55 | 20°40 | 6°34 | 17° 1 | 16°48 | 17° 5 | 15°37 | 19°15 | 21°36 | T 27 |
| F 28 | 8 58 38 | 16° 0'21 | 12♒30 | 21°40 | 21°15 | 6°43 | 15°47 | 20°45 | 6°35 | 17° 4 | 16°49 | 16°58 | 15°34 | 19°21 | 21°36 | F 28 |
| S 29 | 9 2 35 | 17° 0'58 | 27°50 | 22° 8 | 22°29 | 7°30 | 15°39 | 20°50 | 6°36 | 17° 6 | 16°50 | 16°49 | 15°31 | 19°28 | 21°37 | S 29 |
| S 30 | 9 6 31 | 18° 1'34 | 13♓ 4 | 22°40 | 23°44 | 8°17 | 15°31 | 20°55 | 6°37 | 17° 8 | 16°51 | 16°39 | 15°28 | 19°35 | 21°37 | S 30 |
| M31 | 9 10 28 | 19♒ 2'08 | 28♓ 2 | 23♑18 | 24♑58 | 9♓ 4 | 15♌23 | 20♈59 | 6♋38 | 17♒10 | 16♈51 | 16♊30 | 15♊24 | 19♌42 | 21♋38 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s14 | 19s20 | 4s34 | 18s18 | 0n31 | 21s53 | 1n 5 | 17s18 | 1s 6 | 16n 8 | 1n 1 | 5n14 | 2s31 | 13n19 | 0s25 | 16s26 | 0s23 | 9s13 | 17s 4 | 23n 1 | 22n53 | 20n13 | 15n11 | 3s12 |
| S 2 | 22 5 | 14 36 | 5 3 | 17 56 | 0 49 | 22 2 | 1 3 | 17 4 | 1 6 | 16 10 | 1 2 | 5 15 | 2 30 | 13 19 | 0 25 | 16 26 | 0 23 | 9 13 | 17 4 | 23 1 | 22 53 | 20 11 | 15 11 | 3 12 |
| M 3 | 21 56 | 9 5 | 5 12 | 17 37 | 1 7 | 22 10 | 1 0 | 16 49 | 1 6 | 16 12 | 1 2 | 5 16 | 2 30 | 13 18 | 0 25 | 16 25 | 0 23 | 9 12 | 17 4 | 23 0 | 22 53 | 20 10 | 15 11 | 3 12 |
| T 4 | 21 46 | 3 14 | 5 1 | 17 20 | 1 25 | 22 18 | 0 57 | 16 34 | 1 5 | 16 15 | 1 2 | 5 17 | 2 30 | 13 18 | 0 25 | 16 24 | 0 23 | 9 12 | 17 3 | 23 0 | 22 52 | 20 8 | 15 11 | 3 12 |
| W 5 | 21 37 | 2n37 | 4 33 | 17 6 | 1 43 | 22 25 | 0 55 | 16 19 | 1 5 | 16 17 | 1 2 | 5 18 | 2 29 | 13 18 | 0 25 | 16 24 | 0 23 | 9 11 | 17 3 | 23 0 | 22 52 | 20 6 | 15 10 | 3 12 |
| T 6 | 21 26 | 8 11 | 3 50 | 16 55 | 2 2 | 22 31 | 0 52 | 16 4 | 1 4 | 16 19 | 1 2 | 5 19 | 2 29 | 13 18 | 0 25 | 16 23 | 0 23 | 9 11 | 17 2 | 23 0 | 22 52 | 20 5 | 15 10 | 3 12 |
| F 7 | 21 16 | 13 15 | 2 56 | 16 48 | 2 19 | 22 37 | 0 49 | 15 48 | 1 4 | 16 21 | 1 3 | 5 21 | 2 29 | 13 18 | 0 24 | 16 23 | 0 23 | 9 10 | 17 2 | 23 0 | 22 51 | 20 3 | 15 10 | 3 12 |
| S 8 | 21 4 | 17 37 | 1 55 | 16 43 | 2 36 | 22 42 | 0 46 | 15 33 | 1 4 | 16 23 | 1 3 | 5 22 | 2 29 | 13 19 | 0 24 | 16 22 | 0 23 | 9 10 | 17 2 | 23 0 | 22 51 | 20 1 | 15 10 | 3 12 |
| S 9 | 20 53 | 21 5 | 0 49 | 16 42 | 2 51 | 22 47 | 0 43 | 15 17 | 1 3 | 16 26 | 1 3 | 5 23 | 2 28 | 13 19 | 0 24 | 16 21 | 0 23 | 9 10 | 17 1 | 23 0 | 22 51 | 20 0 | 15 10 | 3 11 |
| M10 | 20 41 | 23 32 | 0n17 | 16 43 | 3 5 | 22 51 | 0 41 | 15 1 | 1 3 | 16 28 | 1 3 | 5 25 | 2 28 | 13 19 | 0 24 | 16 21 | 0 23 | 9 9 | 17 1 | 23 0 | 22 50 | 19 58 | 15 10 | 3 11 |
| T 11 | 20 29 | 24 51 | 1 22 | 16 47 | 3 16 | 22 54 | 0 38 | 14 45 | 1 2 | 16 30 | 1 3 | 5 26 | 2 28 | 13 19 | 0 24 | 16 20 | 0 23 | 9 9 | 17 1 | 23 0 | 22 50 | 19 56 | 15 10 | 3 11 |
| W12 | 20 16 | 24 58 | 2 23 | 16 54 | 3 25 | 22 56 | 0 35 | 14 29 | 1 2 | 16 33 | 1 4 | 5 27 | 2 27 | 13 19 | 0 24 | 16 19 | 0 23 | 9 8 | 17 0 | 23 0 | 22 50 | 19 55 | 15 10 | 3 11 |
| T 13 | 20 3 | 23 56 | 3 17 | 17 2 | 3 32 | 22 58 | 0 32 | 14 13 | 1 2 | 16 35 | 1 4 | 5 29 | 2 27 | 13 19 | 0 24 | 16 19 | 0 23 | 9 8 | 17 0 | 22 59 | 22 49 | 19 53 | 15 10 | 3 11 |
| F 14 | 19 49 | 21 49 | 4 1 | 17 13 | 3 37 | 22 59 | 0 29 | 13 57 | 1 1 | 16 38 | 1 4 | 5 30 | 2 27 | 13 19 | 0 24 | 16 18 | 0 23 | 9 7 | 17 0 | 22 59 | 22 49 | 19 51 | 15 9 | 3 11 |
| S 15 | 19 36 | 18 47 | 4 35 | 17 24 | 3 39 | 22 59 | 0 27 | 13 40 | 1 1 | 16 40 | 1 4 | 5 32 | 2 27 | 13 19 | 0 24 | 16 17 | 0 23 | 9 7 | 16 59 | 22 58 | 22 49 | 19 50 | 15 9 | 3 11 |
| S 16 | 19 21 | 14 59 | 4 57 | 17 36 | 3 38 | 22 59 | 0 24 | 13 24 | 1 0 | 16 43 | 1 4 | 5 34 | 2 26 | 13 20 | 0 24 | 16 17 | 0 23 | 9 6 | 16 59 | 22 57 | 22 48 | 19 48 | 15 9 | 3 11 |
| M17 | 19 7 | 10 36 | 5 7 | 17 49 | 3 36 | 22 58 | 0 21 | 13 7 | 1 0 | 16 45 | 1 4 | 5 35 | 2 26 | 13 20 | 0 24 | 16 16 | 0 23 | 9 6 | 16 59 | 22 56 | 22 48 | 19 46 | 15 9 | 3 10 |
| T 18 | 18 52 | 5 48 | 5 3 | 18 3 | 3 31 | 22 56 | 0 18 | 12 50 | 0 59 | 16 48 | 1 5 | 5 37 | 2 26 | 13 20 | 0 24 | 16 15 | 0 23 | 9 5 | 16 58 | 22 55 | 22 48 | 19 44 | 15 10 | 3 10 |
| W19 | 18 37 | 0 44 | 4 45 | 18 16 | 3 25 | 22 53 | 0 15 | 12 33 | 0 59 | 16 50 | 1 5 | 5 39 | 2 26 | 13 20 | 0 24 | 16 15 | 0 23 | 9 4 | 16 58 | 22 55 | 22 47 | 19 43 | 15 10 | 3 10 |
| T 20 | 18 21 | 4s26 | 4 15 | 18 30 | 3 17 | 22 50 | 0 12 | 12 16 | 0 59 | 16 52 | 1 5 | 5 40 | 2 25 | 13 20 | 0 24 | 16 14 | 0 23 | 9 4 | 16 58 | 22 54 | 22 47 | 19 41 | 15 10 | 3 10 |
| F 21 | 18 5 | 9 33 | 3 31 | 18 43 | 3 8 | 22 46 | 0 9 | 11 59 | 0 58 | 16 55 | 1 5 | 5 42 | 2 25 | 13 21 | 0 24 | 16 13 | 0 23 | 9 3 | 16 57 | 22 54 | 22 47 | 19 39 | 15 10 | 3 10 |
| S 22 | 17 49 | 14 23 | 2 36 | 18 55 | 2 59 | 22 42 | 0 7 | 11 41 | 0 58 | 16 57 | 1 5 | 5 44 | 2 25 | 13 21 | 0 24 | 16 13 | 0 23 | 9 3 | 16 57 | 22 54 | 22 46 | 19 37 | 15 10 | 3 10 |
| S 23 | 17 33 | 18 43 | 1 32 | 19 8 | 2 48 | 22 36 | 0 4 | 11 24 | 0 57 | 17 0 | 1 5 | 5 46 | 2 24 | 13 21 | 0 24 | 16 12 | 0 23 | 9 2 | 16 57 | 22 54 | 22 46 | 19 36 | 15 10 | 3 10 |
| M24 | 17 16 | 22 11 | 0 20 | 19 19 | 2 37 | 22 31 | 0 1 | 11 6 | 0 57 | 17 2 | 1 5 | 5 47 | 2 24 | 13 22 | 0 24 | 16 11 | 0 23 | 9 2 | 16 56 | 22 54 | 22 46 | 19 34 | 15 10 | 3 10 |
| T 25 | 16 59 | 24 26 | 0s56 | 19 30 | 2 25 | 22 24 | 0s 2 | 10 49 | 0 56 | 17 5 | 1 5 | 5 49 | 2 24 | 13 22 | 0 24 | 16 11 | 0 23 | 9 1 | 16 56 | 22 54 | 22 45 | 19 32 | 15 10 | 3 10 |
| W26 | 16 41 | 25 7 | 2 10 | 19 40 | 2 14 | 22 17 | 0 4 | 10 31 | 0 56 | 17 7 | 1 6 | 5 51 | 2 24 | 13 22 | 0 24 | 16 10 | 0 23 | 9 1 | 16 56 | 22 54 | 22 45 | 19 30 | 15 11 | 3 9 |
| T 27 | 16 24 | 24 0 | 3 17 | 19 50 | 2 2 | 22 9 | 0 7 | 10 13 | 0 55 | 17 10 | 1 6 | 5 53 | 2 23 | 13 23 | 0 24 | 16 9 | 0 23 | 9 0 | 16 55 | 22 54 | 22 45 | 19 29 | 15 11 | 3 9 |
| F 28 | 16 6 | 21 8 | 4 11 | 19 58 | 1 50 | 22 0 | 0 10 | 9 55 | 0 55 | 17 12 | 1 6 | 5 55 | 2 23 | 13 23 | 0 24 | 16 9 | 0 23 | 8 59 | 16 55 | 22 53 | 22 44 | 19 27 | 15 11 | 3 9 |
| S 29 | 15 47 | 16 46 | 4 48 | 20 6 | 1 38 | 21 51 | 0 13 | 9 37 | 0 54 | 17 15 | 1 6 | 5 57 | 2 23 | 13 23 | 0 24 | 16 8 | 0 23 | 8 59 | 16 55 | 22 52 | 22 44 | 19 25 | 15 11 | 3 9 |
| S 30 | 15 29 | 11 20 | 5 3 | 20 12 | 1 26 | 21 41 | 0 15 | 9 19 | 0 54 | 17 17 | 1 6 | 5 59 | 2 23 | 13 24 | 0 24 | 16 7 | 0 23 | 8 58 | 16 54 | 22 51 | 22 44 | 19 23 | 15 12 | 3 9 |
| M31 | 15s10 | 5s20 | 4s58 | 20s17 | 1n14 | 21s30 | 0s18 | 9s 1 | 0s53 | 17n20 | 1n 6 | 6n 1 | 2s23 | 13n24 | 0s24 | 16s 6 | 0s23 | 8s58 | 16s54 | 22n50 | 22n43 | 19n22 | 15n12 | 3s 9 |

Julian Day Number = 2214510.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'16, Lahiri = 14°48'17 Julian Calendar 1 Jan. 1351 == Greg. Calendar 9 Jan. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## FEBRUARY 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 14 24 | 20♒ 2'40 | 12♈36 | 23♉59 | 26♉12 | 9♓51 | 15°R16 | 21♈ 4 | 6♉40 | 17♒13 | 16♈52 | 16°R23 | 15♊21 | 19♌48 | 21♉39 | T 1 |
| W 2 | 9 18 21 | 21° 3'11 | 26°40 | 24°45 | 27°27 | 10°37 | 15♌ 8 | 21° 9 | 6°41 | 17°15 | 16°53 | 16♊18 | 15°18 | 19°55 | 21°39 | W 2 |
| T 3 | 9 22 18 | 22° 3'39 | 10♉15 | 25°34 | 28°41 | 11°24 | 15° 0 | 21°15 | 6°42 | 17°17 | 16°54 | 16°16 | 15°15 | 20° 2 | 21°40 | T 3 |
| F 4 | 9 26 14 | 23° 4'06 | 23°23 | 26°27 | 29°56 | 12°11 | 14°52 | 21°20 | 6°44 | 17°19 | 16°55 | 16°D15 | 15°12 | 20° 8 | 21°41 | F 4 |
| S 5 | 9 30 11 | 24° 4'31 | 6♊ 7 | 27°23 | 1♒10 | 12°58 | 14°44 | 21°25 | 6°45 | 17°22 | 16°56 | 16°15 | 15° 9 | 20°15 | 21°42 | S 5 |
| S 6 | 9 34 7 | 25° 4'54 | 18°31 | 28°21 | 2°25 | 13°44 | 14°37 | 21°30 | 6°47 | 17°24 | 16°57 | 16°R15 | 15° 5 | 20°22 | 21°43 | S 6 |
| M 7 | 9 38 4 | 26° 5'15 | 0♋41 | 29°22 | 3°39 | 14°31 | 14°29 | 21°36 | 6°48 | 17°26 | 16°58 | 16°14 | 15° 2 | 20°29 | 21°44 | M 7 |
| T 8 | 9 42 0 | 27° 5'34 | 12°42 | 0♒26 | 4°54 | 15°18 | 14°21 | 21°41 | 6°50 | 17°28 | 16°59 | 16°11 | 14°59 | 20°35 | 21°46 | T 8 |
| W 9 | 9 45 57 | 28° 5'50 | 24°36 | 1°32 | 6° 8 | 16° 4 | 14°14 | 21°47 | 6°52 | 17°31 | 17° 0 | 16° 5 | 14°56 | 20°42 | 21°47 | W 9 |
| T 10 | 9 49 53 | 29° 6'05 | 6♌27 | 2°41 | 7°22 | 16°51 | 14° 6 | 21°52 | 6°54 | 17°33 | 17° 1 | 15°56 | 14°53 | 20°49 | 21°48 | T 10 |
| F 11 | 9 53 50 | 0♓ 6'19 | 18°18 | 3°51 | 8°37 | 17°37 | 13°59 | 21°58 | 6°55 | 17°35 | 17° 2 | 15°45 | 14°50 | 20°55 | 21°50 | F 11 |
| S 12 | 9 57 47 | 1° 6'30 | 0♍11 | 5° 3 | 9°51 | 18°24 | 13°52 | 22° 4 | 6°57 | 17°37 | 17° 3 | 15°31 | 14°46 | 21° 2 | 21°51 | S 12 |
| S 13 | 10 1 43 | 2° 6'39 | 12° 6 | 6°17 | 11° 6 | 19°10 | 13°44 | 22°10 | 6°59 | 17°40 | 17° 4 | 15°17 | 14°43 | 21° 9 | 21°53 | S 13 |
| M14 | 10 5 40 | 3° 6'46 | 24° 5 | 7°33 | 12°20 | 19°57 | 13°37 | 22°16 | 7° 1 | 17°42 | 17° 5 | 15° 3 | 14°40 | 21°16 | 21°54 | M14 |
| T 15 | 10 9 36 | 4° 6'52 | 6♎ 9 | 8°51 | 13°35 | 20°43 | 13°30 | 22°22 | 7° 3 | 17°44 | 17° 6 | 14°51 | 14°37 | 21°22 | 21°56 | T 15 |
| W16 | 10 13 33 | 5° 6'56 | 18°20 | 10°10 | 14°49 | 21°29 | 13°23 | 22°28 | 7° 5 | 17°46 | 17° 7 | 14°41 | 14°34 | 21°29 | 21°58 | W16 |
| T 17 | 10 17 29 | 6° 6'58 | 0♏41 | 11°31 | 16° 3 | 22°16 | 13°16 | 22°34 | 7° 7 | 17°49 | 17° 8 | 14°33 | 14°30 | 21°36 | 21°59 | T 17 |
| F 18 | 10 21 26 | 7° 6'59 | 13°13 | 12°53 | 17°18 | 23° 2 | 13°10 | 22°40 | 7° 9 | 17°51 | 17° 9 | 14°29 | 14°27 | 21°42 | 22° 1 | F 18 |
| S 19 | 10 25 22 | 8° 6'58 | 26° 1 | 14°16 | 18°32 | 23°48 | 13° 3 | 22°46 | 7°11 | 17°53 | 17°10 | 14°27 | 14°24 | 21°49 | 22° 3 | S 19 |
| S 20 | 10 29 19 | 9° 6'55 | 9♐ 8 | 15°41 | 19°47 | 24°34 | 12°56 | 22°52 | 7°13 | 17°55 | 17°11 | 14°27 | 14°21 | 21°56 | 22° 5 | S 20 |
| M21 | 10 33 16 | 10° 6'51 | 22°38 | 17° 7 | 21° 1 | 25°20 | 12°50 | 22°59 | 7°15 | 17°57 | 17°12 | 14°27 | 14°18 | 22° 2 | 22° 7 | M21 |
| T 22 | 10 37 12 | 11° 6'45 | 6♑32 | 18°35 | 22°15 | 26° 7 | 12°44 | 23° 5 | 7°18 | 17°59 | 17°13 | 14°26 | 14°15 | 22° 9 | 22° 9 | T 22 |
| W23 | 10 41 9 | 12° 6'37 | 20°53 | 20° 4 | 23°30 | 26°53 | 12°38 | 23°11 | 7°20 | 18° 1 | 17°15 | 14°22 | 14°11 | 22°16 | 22°12 | W23 |
| T 24 | 10 45 5 | 13° 6'28 | 5♒38 | 21°34 | 24°44 | 27°39 | 12°32 | 23°18 | 7°22 | 18° 4 | 17°16 | 14°16 | 14° 8 | 22°23 | 22°14 | T 24 |
| F 25 | 10 49 2 | 14° 6'17 | 20°42 | 23° 6 | 25°59 | 28°25 | 12°26 | 23°24 | 7°25 | 18° 6 | 17°17 | 14° 8 | 14° 5 | 22°29 | 22°16 | F 25 |
| S 26 | 10 52 58 | 15° 6'04 | 5♓56 | 24°38 | 27°13 | 29°11 | 12°20 | 23°31 | 7°27 | 18° 8 | 17°18 | 13°57 | 14° 2 | 22°36 | 22°18 | S 26 |
| S 27 | 10 56 55 | 16° 5'48 | 21° 9 | 26°12 | 28°27 | 29°57 | 12°14 | 23°38 | 7°29 | 18°10 | 17°19 | 13°45 | 13°59 | 22°43 | 22°21 | S 27 |
| M28 | 11 0 51 | 17♓ 5'31 | 6♈11 | 27♒48 | 29♒42 | 0♈43 | 12♌ 9 | 23♈44 | 7♉32 | 18♒12 | 17♈21 | 13♊34 | 13♊55 | 22♌49 | 22♉23 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s51 | 0n48 | 4s33 | 20s22 | 1n 3 | 21s19 | 0s20 | 8s43 | 0s53 | 17n22 | 1n 6 | 6n 3 | 2s22 | 13n25 | 0s24 | 16s 6 | 0s23 | 8s57 | 16s54 | 22n50 | 22n43 | 19n20 | 15n12 | 3s 9 | T 1 |
| W 2 | 14 32 | 6 43 | 3 52 | 20 25 | 0 51 | 21 7 | 0 23 | 8 25 | 0 52 | 17 25 | 1 6 | 6 5 | 2 22 | 13 25 | 0 24 | 16 5 | 0 23 | 8 57 | 16 53 | 22 49 | 22 43 | 19 18 | 15 12 | 3 9 | W 2 |
| T 3 | 14 12 | 12 6 | 2 59 | 20 27 | 0 40 | 20 55 | 0 26 | 8 7 | 0 52 | 17 27 | 1 6 | 6 7 | 2 22 | 13 26 | 0 24 | 16 4 | 0 23 | 8 56 | 16 53 | 22 49 | 22 42 | 19 16 | 15 13 | 3 8 | T 3 |
| F 4 | 13 53 | 16 46 | 1 59 | 20 28 | 0 29 | 20 42 | 0 28 | 7 48 | 0 51 | 17 29 | 1 6 | 6 10 | 2 22 | 13 26 | 0 24 | 16 4 | 0 23 | 8 55 | 16 53 | 22 49 | 22 42 | 19 14 | 15 13 | 3 8 | F 4 |
| S 5 | 13 33 | 20 31 | 0 54 | 20 27 | 0 19 | 20 28 | 0 31 | 7 30 | 0 51 | 17 32 | 1 6 | 6 12 | 2 21 | 13 27 | 0 24 | 16 3 | 0 23 | 8 55 | 16 52 | 22 49 | 22 42 | 19 13 | 15 14 | 3 8 | S 5 |
| S 6 | 13 12 | 23 14 | 0n12 | 20 26 | 0 8 | 20 14 | 0 33 | 7 11 | 0 50 | 17 34 | 1 7 | 6 14 | 2 21 | 13 27 | 0 24 | 16 2 | 0 23 | 8 54 | 16 52 | 22 49 | 22 41 | 19 11 | 15 14 | 3 8 | S 6 |
| M 7 | 12 52 | 24 47 | 1 16 | 20 23 | 0s 2 | 19 59 | 0 35 | 6 53 | 0 50 | 17 36 | 1 7 | 6 16 | 2 21 | 13 28 | 0 24 | 16 2 | 0 23 | 8 54 | 16 52 | 22 49 | 22 41 | 19 9 | 15 14 | 3 8 | M 7 |
| T 8 | 12 31 | 25 10 | 2 15 | 20 19 | 0 11 | 19 43 | 0 38 | 6 34 | 0 49 | 17 39 | 1 7 | 6 18 | 2 21 | 13 28 | 0 24 | 16 1 | 0 23 | 8 53 | 16 52 | 22 48 | 22 41 | 19 7 | 15 15 | 3 8 | T 8 |
| W 9 | 12 11 | 24 22 | 3 8 | 20 14 | 0 21 | 19 27 | 0 40 | 6 15 | 0 48 | 17 41 | 1 7 | 6 21 | 2 21 | 13 29 | 0 24 | 16 0 | 0 23 | 8 52 | 16 51 | 22 48 | 22 40 | 19 5 | 15 15 | 3 8 | W 9 |
| T 10 | 11 50 | 22 29 | 3 53 | 20 7 | 0 30 | 19 10 | 0 42 | 5 57 | 0 48 | 17 43 | 1 7 | 6 23 | 2 20 | 13 30 | 0 24 | 16 0 | 0 23 | 8 52 | 16 51 | 22 47 | 22 40 | 19 3 | 15 16 | 3 8 | T 10 |
| F 11 | 11 28 | 19 37 | 4 27 | 19 59 | 0 39 | 18 53 | 0 45 | 5 38 | 0 47 | 17 45 | 1 7 | 6 25 | 2 20 | 13 30 | 0 24 | 15 59 | 0 23 | 8 51 | 16 51 | 22 46 | 22 39 | 19 2 | 15 16 | 3 7 | F 11 |
| S 12 | 11 7 | 15 57 | 4 50 | 19 50 | 0 47 | 18 36 | 0 47 | 5 19 | 0 47 | 17 48 | 1 7 | 6 28 | 2 20 | 13 31 | 0 23 | 15 58 | 0 23 | 8 50 | 16 51 | 22 44 | 22 39 | 19 0 | 15 17 | 3 7 | S 12 |
| S 13 | 10 46 | 11 39 | 4 59 | 19 39 | 0 55 | 18 17 | 0 49 | 5 1 | 0 46 | 17 50 | 1 7 | 6 30 | 2 20 | 13 31 | 0 23 | 15 58 | 0 23 | 8 50 | 16 50 | 22 43 | 22 39 | 18 58 | 15 17 | 3 7 | S 13 |
| M14 | 10 24 | 6 53 | 4 56 | 19 27 | 1 3 | 17 59 | 0 51 | 4 42 | 0 46 | 17 52 | 1 7 | 6 32 | 2 20 | 13 32 | 0 23 | 15 57 | 0 23 | 8 49 | 16 50 | 22 41 | 22 38 | 18 56 | 15 18 | 3 7 | M14 |
| T 15 | 10 2 | 1 50 | 4 40 | 19 14 | 1 10 | 17 39 | 0 53 | 4 23 | 0 45 | 17 54 | 1 7 | 6 35 | 2 19 | 13 33 | 0 23 | 15 56 | 0 23 | 8 49 | 16 50 | 22 40 | 22 38 | 18 54 | 15 18 | 3 7 | T 15 |
| W16 | 9 40 | 3s21 | 4 11 | 19 0 | 1 17 | 17 19 | 0 55 | 4 4 | 0 45 | 17 56 | 1 7 | 6 37 | 2 19 | 13 33 | 0 23 | 15 56 | 0 23 | 8 48 | 16 50 | 22 38 | 22 38 | 18 52 | 15 19 | 3 7 | W16 |
| T 17 | 9 18 | 8 29 | 3 29 | 18 44 | 1 23 | 16 59 | 0 57 | 3 45 | 0 44 | 17 58 | 1 7 | 6 40 | 2 19 | 13 34 | 0 23 | 15 55 | 0 23 | 8 47 | 16 49 | 22 38 | 22 37 | 18 50 | 15 19 | 3 7 | T 17 |
| F 18 | 8 56 | 13 22 | 2 37 | 18 26 | 1 30 | 16 38 | 0 59 | 3 26 | 0 43 | 18 0 | 1 7 | 6 42 | 2 19 | 13 35 | 0 23 | 15 54 | 0 23 | 8 47 | 16 49 | 22 37 | 22 37 | 18 48 | 15 20 | 3 7 | F 18 |
| S 19 | 8 33 | 17 47 | 1 36 | 18 8 | 1 36 | 16 17 | 1 1 | 3 8 | 0 43 | 18 2 | 1 7 | 6 44 | 2 19 | 13 36 | 0 23 | 15 54 | 0 23 | 8 46 | 16 49 | 22 37 | 22 37 | 18 47 | 15 20 | 3 6 | S 19 |
| S 20 | 8 11 | 21 26 | 0 28 | 17 48 | 1 41 | 15 56 | 1 3 | 2 49 | 0 42 | 18 3 | 1 7 | 6 47 | 2 18 | 13 36 | 0 23 | 15 53 | 0 23 | 8 45 | 16 49 | 22 37 | 22 36 | 18 45 | 15 21 | 3 6 | S 20 |
| M21 | 7 48 | 24 2 | 0s43 | 17 27 | 1 46 | 15 33 | 1 4 | 2 30 | 0 42 | 18 5 | 1 7 | 6 49 | 2 18 | 13 37 | 0 23 | 15 52 | 0 23 | 8 45 | 16 48 | 22 37 | 22 36 | 18 43 | 15 22 | 3 6 | M21 |
| T 22 | 7 25 | 25 15 | 1 54 | 17 4 | 1 51 | 15 11 | 1 6 | 2 11 | 0 41 | 18 7 | 1 7 | 6 52 | 2 18 | 13 38 | 0 23 | 15 52 | 0 23 | 8 44 | 16 48 | 22 37 | 22 35 | 18 41 | 15 22 | 3 6 | T 22 |
| W23 | 7 3 | 24 51 | 3 0 | 16 40 | 1 55 | 14 48 | 1 8 | 1 52 | 0 41 | 18 9 | 1 7 | 6 55 | 2 18 | 13 39 | 0 23 | 15 51 | 0 23 | 8 44 | 16 48 | 22 36 | 22 35 | 18 39 | 15 23 | 3 6 | W23 |
| T 24 | 6 40 | 22 44 | 3 55 | 16 14 | 1 59 | 14 25 | 1 9 | 1 33 | 0 40 | 18 10 | 1 7 | 6 57 | 2 18 | 13 39 | 0 23 | 15 50 | 0 23 | 8 43 | 16 48 | 22 36 | 22 35 | 18 37 | 15 24 | 3 6 | T 24 |
| F 25 | 6 17 | 19 0 | 4 36 | 15 48 | 2 3 | 14 1 | 1 11 | 1 14 | 0 39 | 18 12 | 1 7 | 7 0 | 2 18 | 13 40 | 0 23 | 15 50 | 0 23 | 8 42 | 16 48 | 22 35 | 22 34 | 18 35 | 15 24 | 3 6 | F 25 |
| S 26 | 5 53 | 13 58 | 4 57 | 15 20 | 2 6 | 13 37 | 1 12 | 0 55 | 0 39 | 18 14 | 1 7 | 7 2 | 2 17 | 13 41 | 0 23 | 15 49 | 0 23 | 8 42 | 16 47 | 22 33 | 22 34 | 18 33 | 15 25 | 3 6 | S 26 |
| S 27 | 5 30 | 8 4 | 4 58 | 14 50 | 2 8 | 13 12 | 1 14 | 0 36 | 0 38 | 18 15 | 1 7 | 7 5 | 2 17 | 13 42 | 0 23 | 15 49 | 0 23 | 8 41 | 16 47 | 22 32 | 22 34 | 18 31 | 15 26 | 3 6 | S 27 |
| M28 | 5s 7 | 1s46 | 4s37 | 14s19 | 2s11 | 12s47 | 1s15 | 0s18 | 0s38 | 18n17 | 1n 7 | 7n 7 | 2s17 | 13n43 | 0s23 | 15s48 | 0s23 | 8s40 | 16s47 | 22n31 | 22n33 | 18n29 | 15n27 | 3s 6 | M28 |

Julian Day Number = 2214541.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'21, Lahiri = 14°48'21 Julian Calendar 1 Feb. 1351 == Greg. Calendar 9 Feb. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## MARCH 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 4 48 | 18♓ 5'12 | 20♈52 | 29♒24 | 0♓56 | 1♈28 | 12°R 4 | 23♈51 | 7♉34 | 18♒14 | 17♈22 | 13°R25 | 13♊52 | 22♌56 | 22♉26 | T 1 |
| W 2 | 11 8 45 | 19° 4'50 | 5♉ 6 | 1♓ 2 | 2°10 | 2°14 | 11♌59 | 23°58 | 7°37 | 18°16 | 17°23 | 13♊18 | 13°49 | 23° 3 | 22°28 | W 2 |
| T 3 | 11 12 41 | 20° 4'26 | 18°50 | 2°41 | 3°25 | 3° 0 | 11°54 | 24° 5 | 7°39 | 18°18 | 17°24 | 13°14 | 13°46 | 23°10 | 22°31 | T 3 |
| F 4 | 11 16 38 | 21° 4'00 | 2♊ 5 | 4°21 | 4°39 | 3°46 | 11°49 | 24°12 | 7°42 | 18°20 | 17°26 | 13°12 | 13°43 | 23°16 | 22°34 | F 4 |
| S 5 | 11 20 34 | 22° 3'32 | 14°53 | 6° 3 | 5°53 | 4°31 | 11°44 | 24°19 | 7°45 | 18°22 | 17°27 | 13°12 | 13°40 | 23°23 | 22°37 | S 5 |
| S 6 | 11 24 31 | 23° 3'01 | 27°20 | 7°46 | 7° 8 | 5°17 | 11°40 | 24°26 | 7°47 | 18°24 | 17°28 | 13°12 | 13°36 | 23°30 | 22°39 | S 6 |
| M 7 | 11 28 27 | 24° 2'28 | 9♋30 | 9°30 | 8°22 | 6° 2 | 11°35 | 24°33 | 7°50 | 18°26 | 17°30 | 13°11 | 13°33 | 23°36 | 22°42 | M 7 |
| T 8 | 11 32 24 | 25° 1'53 | 21°29 | 11°15 | 9°36 | 6°48 | 11°31 | 24°40 | 7°53 | 18°28 | 17°31 | 13° 8 | 13°30 | 23°43 | 22°45 | T 8 |
| W 9 | 11 36 20 | 26° 1'15 | 3♌21 | 13° 2 | 10°51 | 7°34 | 11°27 | 24°47 | 7°55 | 18°30 | 17°32 | 13° 3 | 13°27 | 23°50 | 22°48 | W 9 |
| T 10 | 11 40 17 | 27° 0'35 | 15°11 | 14°50 | 12° 5 | 8°19 | 11°24 | 24°54 | 7°58 | 18°32 | 17°33 | 12°55 | 13°24 | 23°57 | 22°51 | T 10 |
| F 11 | 11 44 14 | 27°59'53 | 27° 2 | 16°39 | 13°19 | 9° 4 | 11°20 | 25° 1 | 8° 1 | 18°33 | 17°35 | 12°44 | 13°21 | 24° 3 | 22°54 | F 11 |
| S 12 | 11 48 10 | 28°59'08 | 8♍57 | 18°30 | 14°33 | 9°50 | 11°16 | 25° 8 | 8° 4 | 18°35 | 17°36 | 12°32 | 13°17 | 24°10 | 22°57 | S 12 |
| S 13 | 11 52 7 | 29°58'21 | 20°58 | 20°22 | 15°48 | 10°35 | 11°13 | 25°15 | 8° 7 | 18°37 | 17°37 | 12°18 | 13°14 | 24°17 | 23° 1 | S 13 |
| M14 | 11 56 3 | 0♈57'32 | 3♎ 5 | 22°15 | 17° 2 | 11°20 | 11°10 | 25°23 | 8°10 | 18°39 | 17°39 | 12° 5 | 13°11 | 24°23 | 23° 4 | M14 |
| T 15 | 12 0 0 | 1°56'41 | 15°20 | 24°10 | 18°16 | 12° 5 | 11° 7 | 25°30 | 8°13 | 18°41 | 17°40 | 11°53 | 13° 8 | 24°30 | 23° 7 | T 15 |
| W16 | 12 3 56 | 2°55'48 | 27°44 | 26° 6 | 19°30 | 12°51 | 11° 4 | 25°37 | 8°16 | 18°43 | 17°42 | 11°44 | 13° 5 | 24°37 | 23°10 | W16 |
| T 17 | 12 7 53 | 3°54'53 | 10♏18 | 28° 4 | 20°45 | 13°36 | 11° 2 | 25°45 | 8°19 | 18°44 | 17°43 | 11°37 | 13° 1 | 24°44 | 23°14 | T 17 |
| F 18 | 12 11 49 | 4°53'56 | 23° 2 | 0♈ 2 | 21°59 | 14°21 | 11° 0 | 25°52 | 8°22 | 18°46 | 17°44 | 11°33 | 12°58 | 24°50 | 23°17 | F 18 |
| S 19 | 12 15 46 | 5°52'58 | 5♐59 | 2° 2 | 23°13 | 15° 6 | 10°57 | 25°59 | 8°25 | 18°48 | 17°46 | 11°D32 | 12°55 | 24°57 | 23°21 | S 19 |
| S 20 | 12 19 42 | 6°51'57 | 19°11 | 4° 4 | 24°27 | 15°51 | 10°55 | 26° 7 | 8°28 | 18°49 | 17°47 | 11°32 | 12°52 | 25° 4 | 23°24 | S 20 |
| M21 | 12 23 39 | 7°50'55 | 2♑40 | 6° 6 | 25°41 | 16°36 | 10°54 | 26°14 | 8°31 | 18°51 | 17°48 | 11°R32 | 12°49 | 25°11 | 23°28 | M21 |
| T 22 | 12 27 36 | 8°49'51 | 16°29 | 8° 9 | 26°56 | 17°20 | 10°52 | 26°22 | 8°34 | 18°53 | 17°50 | 11°32 | 12°46 | 25°17 | 23°31 | T 22 |
| W23 | 12 31 32 | 9°48'46 | 0♒37 | 10°14 | 28°10 | 18° 5 | 10°51 | 26°29 | 8°37 | 18°54 | 17°51 | 11°30 | 12°42 | 25°24 | 23°35 | W23 |
| T 24 | 12 35 29 | 10°47'38 | 15° 4 | 12°19 | 29°24 | 18°50 | 10°49 | 26°37 | 8°40 | 18°56 | 17°53 | 11°26 | 12°39 | 25°31 | 23°39 | T 24 |
| F 25 | 12 39 25 | 11°46'29 | 29°47 | 14°24 | 0♈38 | 19°35 | 10°48 | 26°44 | 8°43 | 18°57 | 17°54 | 11°20 | 12°36 | 25°37 | 23°42 | F 25 |
| S 26 | 12 43 22 | 12°45'18 | 14♓40 | 16°30 | 1°52 | 20°19 | 10°47 | 26°52 | 8°47 | 18°59 | 17°55 | 11°12 | 12°33 | 25°44 | 23°46 | S 26 |
| S 27 | 12 47 18 | 13°44'05 | 29°35 | 18°36 | 3° 6 | 21° 4 | 10°47 | 27° 0 | 8°50 | 19° 0 | 17°57 | 11° 3 | 12°30 | 25°51 | 23°50 | S 27 |
| M28 | 12 51 15 | 14°42'50 | 14♈23 | 20°42 | 4°20 | 21°49 | 10°46 | 27° 7 | 8°53 | 19° 2 | 17°58 | 10°54 | 12°27 | 25°58 | 23°54 | M28 |
| T 29 | 12 55 11 | 15°41'33 | 28°55 | 22°48 | 5°35 | 22°33 | 10°46 | 27°15 | 8°56 | 19° 3 | 17°59 | 10°47 | 12°23 | 26° 4 | 23°58 | T 29 |
| W30 | 12 59 8 | 16°40'14 | 13♉ 6 | 24°53 | 6°49 | 23°18 | 10°D46 | 27°22 | 9° 0 | 19° 5 | 18° 1 | 10°41 | 12°20 | 26°11 | 24° 2 | W30 |
| T 31 | 13 3 5 | 17♈38'53 | 26♉50 | 26♈57 | 8♈ 3 | 24♈ 2 | 10♌46 | 27♈30 | 9♉ 3 | 19♒ 6 | 18♈ 2 | 10♊38 | 12♊17 | 26♌18 | 24♉ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s44 | 4n29 | 3s59 | 13s47 | 2s12 | 12s22 | 1s16 | 0n 1 | 0s37 | 18n18 | 1n 7 | 7n10 | 2s17 | 13n43 | 0s23 | 15s47 | 0s23 | 8s40 | 16s47 | 22n29 | 22n33 | 18n27 | 15n27 | 3s 5 |
| W 2 | 4 20 | 10 20 | 3 7 | 13 14 | 2 14 | 11 56 | 1 17 | 0 20 | 0 36 | 18 20 | 1 7 | 7 13 | 2 17 | 13 44 | 0 23 | 15 47 | 0 23 | 8 39 | 16 47 | 22 29 | 22 32 | 18 25 | 15 28 | 3 5 |
| T 3 | 3 57 | 15 29 | 2 5 | 12 39 | 2 15 | 11 31 | 1 19 | 0 39 | 0 36 | 18 21 | 1 7 | 7 15 | 2 17 | 13 45 | 0 23 | 15 46 | 0 23 | 8 39 | 16 46 | 22 28 | 22 32 | 18 23 | 15 29 | 3 5 |
| F 4 | 3 33 | 19 42 | 0 58 | 12 3 | 2 15 | 11 4 | 1 20 | 0 58 | 0 35 | 18 22 | 1 7 | 7 18 | 2 16 | 13 46 | 0 23 | 15 46 | 0 23 | 8 38 | 16 46 | 22 28 | 22 32 | 18 21 | 15 30 | 3 5 |
| S 5 | 3 10 | 22 49 | 0n 9 | 11 25 | 2 15 | 10 38 | 1 21 | 1 16 | 0 35 | 18 23 | 1 6 | 7 21 | 2 16 | 13 47 | 0 23 | 15 45 | 0 23 | 8 37 | 16 46 | 22 28 | 22 31 | 18 19 | 15 30 | 3 5 |
| S 6 | 2 46 | 24 44 | 1 14 | 10 46 | 2 15 | 10 11 | 1 22 | 1 35 | 0 34 | 18 25 | 1 6 | 7 23 | 2 16 | 13 48 | 0 23 | 15 44 | 0 23 | 8 37 | 16 46 | 22 28 | 22 31 | 18 17 | 15 31 | 3 5 |
| M 7 | 2 22 | 25 25 | 2 14 | 10 6 | 2 14 | 9 44 | 1 22 | 1 54 | 0 33 | 18 26 | 1 6 | 7 26 | 2 16 | 13 49 | 0 23 | 15 44 | 0 23 | 8 36 | 16 46 | 22 28 | 22 30 | 18 15 | 15 32 | 3 5 |
| T 8 | 1 59 | 24 53 | 3 8 | 9 25 | 2 13 | 9 17 | 1 23 | 2 12 | 0 33 | 18 27 | 1 6 | 7 29 | 2 16 | 13 49 | 0 23 | 15 43 | 0 23 | 8 35 | 16 46 | 22 27 | 22 30 | 18 14 | 15 33 | 3 5 |
| W 9 | 1 35 | 23 14 | 3 52 | 8 42 | 2 11 | 8 49 | 1 24 | 2 31 | 0 32 | 18 28 | 1 6 | 7 31 | 2 16 | 13 50 | 0 23 | 15 43 | 0 24 | 8 35 | 16 45 | 22 27 | 22 30 | 18 12 | 15 34 | 3 5 |
| T 10 | 1 12 | 20 35 | 4 27 | 7 58 | 2 8 | 8 22 | 1 25 | 2 50 | 0 32 | 18 29 | 1 6 | 7 34 | 2 16 | 13 51 | 0 23 | 15 42 | 0 24 | 8 34 | 16 45 | 22 26 | 22 29 | 18 10 | 15 34 | 3 5 |
| F 11 | 0 48 | 17 4 | 4 50 | 7 13 | 2 5 | 7 54 | 1 25 | 3 8 | 0 31 | 18 30 | 1 6 | 7 37 | 2 16 | 13 52 | 0 23 | 15 41 | 0 24 | 8 34 | 16 45 | 22 24 | 22 29 | 18 8 | 15 35 | 3 5 |
| S 12 | 0 24 | 12 52 | 5 0 | 6 26 | 2 2 | 7 25 | 1 26 | 3 27 | 0 30 | 18 31 | 1 6 | 7 40 | 2 15 | 13 53 | 0 23 | 15 41 | 0 24 | 8 33 | 16 45 | 22 23 | 22 29 | 18 6 | 15 36 | 3 4 |
| S 13 | 0 1 | 8 9 | 4 57 | 5 38 | 1 58 | 6 57 | 1 27 | 3 45 | 0 30 | 18 32 | 1 6 | 7 42 | 2 15 | 13 54 | 0 23 | 15 40 | 0 24 | 8 32 | 16 45 | 22 21 | 22 28 | 18 4 | 15 37 | 3 4 |
| M14 | 0n23 | 3 4 | 4 41 | 4 49 | 1 54 | 6 28 | 1 27 | 4 3 | 0 29 | 18 32 | 1 6 | 7 45 | 2 15 | 13 55 | 0 23 | 15 40 | 0 24 | 8 32 | 16 45 | 22 19 | 22 28 | 18 2 | 15 38 | 3 4 |
| T 15 | 0 47 | 2s11 | 4 12 | 3 59 | 1 49 | 6 0 | 1 27 | 4 22 | 0 28 | 18 33 | 1 6 | 7 48 | 2 15 | 13 56 | 0 23 | 15 39 | 0 24 | 8 31 | 16 45 | 22 18 | 22 27 | 17 59 | 15 39 | 3 4 |
| W16 | 1 10 | 7 26 | 3 30 | 3 8 | 1 44 | 5 31 | 1 28 | 4 40 | 0 28 | 18 34 | 1 6 | 7 51 | 2 15 | 13 57 | 0 23 | 15 39 | 0 24 | 8 31 | 16 45 | 22 16 | 22 27 | 17 57 | 15 40 | 3 4 |
| T 17 | 1 34 | 12 28 | 2 38 | 2 16 | 1 38 | 5 2 | 1 28 | 4 58 | 0 27 | 18 34 | 1 6 | 7 53 | 2 15 | 13 58 | 0 23 | 15 38 | 0 24 | 8 30 | 16 45 | 22 15 | 22 27 | 17 55 | 15 41 | 3 4 |
| F 18 | 1 57 | 17 2 | 1 37 | 1 22 | 1 31 | 4 32 | 1 28 | 5 16 | 0 27 | 18 35 | 1 5 | 7 56 | 2 15 | 13 59 | 0 23 | 15 38 | 0 24 | 8 29 | 16 44 | 22 15 | 22 26 | 17 53 | 15 41 | 3 4 |
| S 19 | 2 21 | 20 54 | 0 29 | 0 28 | 1 24 | 4 3 | 1 28 | 5 34 | 0 26 | 18 35 | 1 5 | 7 59 | 2 15 | 14 0 | 0 23 | 15 37 | 0 24 | 8 29 | 16 44 | 22 15 | 22 26 | 17 51 | 15 42 | 3 4 |
| S 20 | 2 44 | 23 46 | 0s41 | 0n27 | 1 17 | 3 34 | 1 28 | 5 52 | 0 25 | 18 36 | 1 5 | 8 2 | 2 15 | 14 1 | 0 23 | 15 37 | 0 24 | 8 28 | 16 44 | 22 15 | 22 25 | 17 49 | 15 43 | 3 4 |
| M21 | 3 7 | 25 20 | 1 50 | 1 23 | 1 9 | 3 4 | 1 28 | 6 10 | 0 25 | 18 36 | 1 5 | 8 5 | 2 14 | 14 2 | 0 23 | 15 36 | 0 24 | 8 28 | 16 44 | 22 15 | 22 25 | 17 47 | 15 44 | 3 4 |
| T 22 | 3 31 | 25 24 | 2 55 | 2 20 | 1 0 | 2 34 | 1 28 | 6 28 | 0 24 | 18 37 | 1 5 | 8 7 | 2 14 | 14 3 | 0 23 | 15 36 | 0 24 | 8 27 | 16 44 | 22 15 | 22 25 | 17 45 | 15 45 | 3 4 |
| W23 | 3 54 | 23 50 | 3 51 | 3 17 | 0 51 | 2 5 | 1 28 | 6 45 | 0 23 | 18 37 | 1 5 | 8 10 | 2 14 | 14 4 | 0 23 | 15 35 | 0 24 | 8 27 | 16 44 | 22 15 | 22 24 | 17 43 | 15 46 | 3 4 |
| T 24 | 4 17 | 20 43 | 4 33 | 4 14 | 0 42 | 1 35 | 1 28 | 7 3 | 0 23 | 18 37 | 1 5 | 8 13 | 2 14 | 14 5 | 0 23 | 15 35 | 0 24 | 8 26 | 16 44 | 22 14 | 22 24 | 17 41 | 15 47 | 3 4 |
| F 25 | 4 40 | 16 14 | 4 58 | 5 12 | 0 32 | 1 5 | 1 27 | 7 21 | 0 22 | 18 37 | 1 5 | 8 16 | 2 14 | 14 6 | 0 23 | 15 34 | 0 24 | 8 25 | 16 44 | 22 13 | 22 23 | 17 39 | 15 48 | 3 4 |
| S 26 | 5 3 | 10 43 | 5 4 | 6 10 | 0 22 | 0 35 | 1 27 | 7 38 | 0 21 | 18 38 | 1 5 | 8 18 | 2 14 | 14 7 | 0 23 | 15 34 | 0 24 | 8 25 | 16 44 | 22 12 | 22 23 | 17 37 | 15 49 | 3 4 |
| S 27 | 5 26 | 4 35 | 4 49 | 7 8 | 0 11 | 0 5 | 1 27 | 7 56 | 0 21 | 18 38 | 1 5 | 8 21 | 2 14 | 14 8 | 0 23 | 15 33 | 0 24 | 8 24 | 16 44 | 22 11 | 22 22 | 17 35 | 15 50 | 3 4 |
| M28 | 5 49 | 1n47 | 4 14 | 8 6 | 0 1 | 0n25 | 1 26 | 8 13 | 0 20 | 18 38 | 1 5 | 8 24 | 2 14 | 14 9 | 0 23 | 15 33 | 0 24 | 8 24 | 16 44 | 22 9 | 22 22 | 17 33 | 15 51 | 3 4 |
| T 29 | 6 12 | 7 57 | 3 24 | 9 3 | 0n10 | 0 55 | 1 26 | 8 30 | 0 20 | 18 38 | 1 4 | 8 27 | 2 14 | 14 10 | 0 23 | 15 32 | 0 24 | 8 23 | 16 44 | 22 8 | 22 22 | 17 31 | 15 52 | 3 4 |
| W30 | 6 34 | 13 34 | 2 22 | 10 0 | 0 21 | 1 25 | 1 25 | 8 47 | 0 19 | 18 38 | 1 4 | 8 30 | 2 14 | 14 11 | 0 23 | 15 32 | 0 24 | 8 23 | 16 44 | 22 8 | 22 21 | 17 29 | 15 53 | 3 3 |
| T 31 | 6n57 | 18n20 | 1s13 | 10n56 | 0n32 | 1n55 | 1s24 | 9n 4 | 0s18 | 18n38 | 1n 4 | 8n32 | 2s14 | 14n12 | 0s23 | 15s32 | 0s24 | 8s22 | 16s44 | 22n 7 | 22n21 | 17n27 | 15n54 | 3s 3 |

Julian Day Number = 2214569.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'25, Lahiri = 14°48'25 Julian Calendar 1 March 1351 == Greg. Calendar 9 March 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## APRIL 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 7 1 | 18♈37'30 | 10♊ 8 | 29♈ 0 | 9♈17 | 24♈46 | 10♌46 | 27♈38 | 9♉ 6 | 19♒ 8 | 18♈ 4 | 10°D37 | 12♊14 | 26♌24 | 24♉ 9 | F 1 |
| S 2 | 13 10 58 | 19°36'05 | 23° 1 | 1♉ 1 | 10°31 | 25°31 | 10°47 | 27°45 | 9° 9 | 19° 9 | 18° 5 | 10♊38 | 12°11 | 26°31 | 24°13 | S 2 |
| S 3 | 13 14 54 | 20°34'37 | 5♋33 | 3° 1 | 11°45 | 26°15 | 10°47 | 27°53 | 9°13 | 19°10 | 18° 7 | 10°39 | 12° 7 | 26°38 | 24°18 | S 3 |
| M 4 | 13 18 51 | 21°33'08 | 17°46 | 4°58 | 12°59 | 26°59 | 10°48 | 28° 1 | 9°16 | 19°12 | 18° 8 | 10°R40 | 12° 4 | 26°45 | 24°22 | M 4 |
| T 5 | 13 22 47 | 22°31'36 | 29°48 | 6°52 | 14°13 | 27°43 | 10°49 | 28° 9 | 9°19 | 19°13 | 18° 9 | 10°40 | 12° 1 | 26°51 | 24°26 | T 5 |
| W 6 | 13 26 44 | 23°30'02 | 11♌42 | 8°44 | 15°27 | 28°28 | 10°50 | 28°16 | 9°23 | 19°14 | 18°11 | 10°38 | 11°58 | 26°58 | 24°30 | W 6 |
| T 7 | 13 30 40 | 24°28'26 | 23°33 | 10°32 | 16°41 | 29°12 | 10°52 | 28°24 | 9°26 | 19°15 | 18°12 | 10°34 | 11°55 | 27° 5 | 24°34 | T 7 |
| F 8 | 13 34 37 | 25°26'47 | 5♍26 | 12°17 | 17°55 | 29°56 | 10°53 | 28°32 | 9°30 | 19°17 | 18°13 | 10°28 | 11°52 | 27°11 | 24°38 | F 8 |
| S 9 | 13 38 34 | 26°25'07 | 17°24 | 13°58 | 19° 9 | 0♉40 | 10°55 | 28°39 | 9°33 | 19°18 | 18°15 | 10°21 | 11°48 | 27°18 | 24°42 | S 9 |
| S 10 | 13 42 30 | 27°23'24 | 29°31 | 15°36 | 20°23 | 1°23 | 10°57 | 28°47 | 9°36 | 19°19 | 18°16 | 10°13 | 11°45 | 27°25 | 24°47 | S 10 |
| M11 | 13 46 27 | 28°21'40 | 11♎47 | 17°10 | 21°37 | 2° 7 | 10°59 | 28°55 | 9°40 | 19°20 | 18°18 | 10° 5 | 11°42 | 27°32 | 24°51 | M11 |
| T 12 | 13 50 23 | 29°19'53 | 24°15 | 18°39 | 22°51 | 2°51 | 11° 1 | 29° 3 | 9°43 | 19°21 | 18°19 | 9°59 | 11°39 | 27°38 | 24°55 | T 12 |
| W13 | 13 54 20 | 0♉18'05 | 6♏55 | 20° 5 | 24° 5 | 3°35 | 11° 4 | 29°10 | 9°47 | 19°22 | 18°20 | 9°53 | 11°36 | 27°45 | 25° 0 | W13 |
| T 14 | 13 58 16 | 1°16'15 | 19°48 | 21°26 | 25°19 | 4°19 | 11° 6 | 29°18 | 9°50 | 19°23 | 18°22 | 9°49 | 11°32 | 27°52 | 25° 4 | T 14 |
| F 15 | 14 2 13 | 2°14'24 | 2♐52 | 22°43 | 26°33 | 5° 2 | 11° 9 | 29°26 | 9°54 | 19°24 | 18°23 | 9°48 | 11°29 | 27°58 | 25° 8 | F 15 |
| S 16 | 14 6 9 | 3°12'31 | 16° 8 | 23°56 | 27°47 | 5°46 | 11°12 | 29°34 | 9°57 | 19°25 | 18°24 | 9°D48 | 11°26 | 28° 5 | 25°13 | S 16 |
| S 17 | 14 10 6 | 4°10'36 | 29°37 | 25° 4 | 29° 1 | 6°29 | 11°15 | 29°41 | 10° 1 | 19°26 | 18°26 | 9°49 | 11°23 | 28°12 | 25°17 | S 17 |
| M18 | 14 14 3 | 5° 8'40 | 13♑18 | 26° 7 | 0♉15 | 7°13 | 11°18 | 29°49 | 10° 4 | 19°27 | 18°27 | 9°50 | 11°20 | 28°19 | 25°22 | M18 |
| T 19 | 14 17 59 | 6° 6'43 | 27°11 | 27° 6 | 1°28 | 7°56 | 11°22 | 29°57 | 10° 7 | 19°28 | 18°29 | 9°51 | 11°17 | 28°25 | 25°26 | T 19 |
| W20 | 14 21 56 | 7° 4'44 | 11♒16 | 28° 0 | 2°42 | 8°40 | 11°26 | 0♉ 4 | 10°11 | 19°28 | 18°30 | 9°R52 | 11°13 | 28°32 | 25°31 | W20 |
| T 21 | 14 25 52 | 8° 2'44 | 25°32 | 28°49 | 3°56 | 9°23 | 11°29 | 0°12 | 10°14 | 19°29 | 18°31 | 9°51 | 11°10 | 28°39 | 25°35 | T 21 |
| F 22 | 14 29 49 | 9° 0'42 | 9♓56 | 29°33 | 5°10 | 10° 6 | 11°33 | 0°20 | 10°18 | 19°30 | 18°33 | 9°48 | 11° 7 | 28°46 | 25°40 | F 22 |
| S 23 | 14 33 45 | 9°58'39 | 24°24 | 0♊13 | 6°24 | 10°50 | 11°38 | 0°27 | 10°21 | 19°31 | 18°34 | 9°44 | 11° 4 | 28°52 | 25°44 | S 23 |
| S 24 | 14 37 42 | 10°56'35 | 8♈52 | 0°48 | 7°38 | 11°33 | 11°42 | 0°35 | 10°25 | 19°31 | 18°35 | 9°40 | 11° 1 | 28°59 | 25°49 | S 24 |
| M25 | 14 41 38 | 11°54'30 | 23°14 | 1°17 | 8°52 | 12°16 | 11°46 | 0°43 | 10°28 | 19°32 | 18°37 | 9°36 | 10°58 | 29° 6 | 25°53 | M25 |
| T 26 | 14 45 35 | 12°52'23 | 7♉24 | 1°42 | 10° 6 | 12°59 | 11°51 | 0°50 | 10°32 | 19°33 | 18°38 | 9°33 | 10°54 | 29°12 | 25°58 | T 26 |
| W27 | 14 49 32 | 13°50'14 | 21°17 | 2° 1 | 11°19 | 13°42 | 11°56 | 0°58 | 10°35 | 19°33 | 18°39 | 9°31 | 10°51 | 29°19 | 26° 2 | W27 |
| T 28 | 14 53 28 | 14°48'04 | 4♊51 | 2°16 | 12°33 | 14°25 | 12° 1 | 1° 6 | 10°39 | 19°34 | 18°40 | 9°D30 | 10°48 | 29°26 | 26° 7 | T 28 |
| F 29 | 14 57 25 | 15°45'53 | 18° 3 | 2°25 | 13°47 | 15° 8 | 12° 6 | 1°13 | 10°42 | 19°34 | 18°42 | 9°30 | 10°45 | 29°33 | 26°12 | F 29 |
| S 30 | 15 1 21 | 16♉43'40 | 0♋54 | 2°R30 | 15♉ 1 | 15♉51 | 12♌11 | 1♉21 | 10♉46 | 19♒35 | 18♈43 | 9♊31 | 10♊42 | 29♌39 | 26♉16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n19 | 22n 0 | 0s 3 | 11n50 | 0n43 | 2n24 | 1s24 | 9n21 | 0s18 | 18n37 | 1n 4 | 8n35 | 2s14 | 14n14 | 0s22 | 15s31 | 0s24 | 8s22 | 16s44 | 22n 7 | 22n20 | 17n24 | 15n55 | 3s 3 |
| S 2 | 7 42 | 24 27 | 1n 6 | 12 43 | 0 54 | 2 54 | 1 23 | 9 38 | 0 17 | 18 37 | 1 4 | 8 38 | 2 14 | 14 15 | 0 22 | 15 31 | 0 24 | 8 21 | 16 44 | 22 7 | 22 20 | 17 22 | 15 56 | 3 3 |
| S 3 | 8 4 | 25 34 | 2 10 | 13 35 | 1 5 | 3 24 | 1 22 | 9 55 | 0 16 | 18 37 | 1 4 | 8 41 | 2 14 | 14 16 | 0 22 | 15 30 | 0 24 | 8 21 | 16 44 | 22 7 | 22 20 | 17 20 | 15 57 | 3 3 |
| M 4 | 8 26 | 25 25 | 3 6 | 14 25 | 1 16 | 3 54 | 1 21 | 10 11 | 0 16 | 18 37 | 1 4 | 8 44 | 2 14 | 14 17 | 0 22 | 15 30 | 0 24 | 8 20 | 16 44 | 22 8 | 22 19 | 17 18 | 15 58 | 3 3 |
| T 5 | 8 48 | 24 4 | 3 53 | 15 12 | 1 26 | 4 24 | 1 20 | 10 28 | 0 15 | 18 36 | 1 4 | 8 46 | 2 14 | 14 18 | 0 22 | 15 30 | 0 24 | 8 20 | 16 44 | 22 7 | 22 19 | 17 16 | 15 59 | 3 3 |
| W 6 | 9 9 | 21 39 | 4 30 | 15 58 | 1 36 | 4 53 | 1 19 | 10 44 | 0 14 | 18 36 | 1 4 | 8 49 | 2 13 | 14 19 | 0 22 | 15 29 | 0 24 | 8 19 | 16 44 | 22 7 | 22 18 | 17 14 | 16 0 | 3 3 |
| T 7 | 9 31 | 18 21 | 4 55 | 16 42 | 1 45 | 5 23 | 1 18 | 11 1 | 0 14 | 18 35 | 1 3 | 8 52 | 2 13 | 14 20 | 0 22 | 15 29 | 0 24 | 8 19 | 16 44 | 22 7 | 22 18 | 17 12 | 16 1 | 3 3 |
| F 8 | 9 53 | 14 18 | 5 7 | 17 23 | 1 54 | 5 52 | 1 17 | 11 17 | 0 13 | 18 35 | 1 3 | 8 55 | 2 13 | 14 21 | 0 22 | 15 29 | 0 24 | 8 18 | 16 44 | 22 6 | 22 17 | 17 10 | 16 2 | 3 3 |
| S 9 | 10 14 | 9 41 | 5 6 | 18 2 | 2 2 | 6 21 | 1 16 | 11 33 | 0 13 | 18 34 | 1 3 | 8 57 | 2 13 | 14 22 | 0 22 | 15 28 | 0 24 | 8 18 | 16 44 | 22 5 | 22 17 | 17 7 | 16 3 | 3 3 |
| S 10 | 10 35 | 4 38 | 4 51 | 18 38 | 2 9 | 6 50 | 1 15 | 11 49 | 0 12 | 18 33 | 1 3 | 9 0 | 2 13 | 14 23 | 0 22 | 15 28 | 0 24 | 8 17 | 16 44 | 22 4 | 22 17 | 17 5 | 16 4 | 3 3 |
| M11 | 10 56 | 0s39 | 4 23 | 19 12 | 2 16 | 7 19 | 1 13 | 12 5 | 0 11 | 18 33 | 1 3 | 9 3 | 2 13 | 14 24 | 0 22 | 15 28 | 0 24 | 8 17 | 16 44 | 22 3 | 22 16 | 17 3 | 16 5 | 3 3 |
| T 12 | 11 17 | 6 0 | 3 41 | 19 43 | 2 22 | 7 48 | 1 12 | 12 20 | 0 11 | 18 32 | 1 3 | 9 6 | 2 13 | 14 25 | 0 22 | 15 27 | 0 24 | 8 16 | 16 44 | 22 1 | 22 16 | 17 1 | 16 6 | 3 3 |
| W13 | 11 37 | 11 13 | 2 49 | 20 11 | 2 27 | 8 17 | 1 11 | 12 36 | 0 10 | 18 31 | 1 3 | 9 9 | 2 13 | 14 27 | 0 22 | 15 27 | 0 24 | 8 16 | 16 44 | 22 1 | 22 15 | 16 59 | 16 7 | 3 3 |
| T 14 | 11 57 | 16 2 | 1 46 | 20 37 | 2 32 | 8 45 | 1 9 | 12 51 | 0 9 | 18 30 | 1 3 | 9 11 | 2 13 | 14 28 | 0 22 | 15 27 | 0 24 | 8 15 | 16 44 | 22 0 | 22 15 | 16 57 | 16 8 | 3 3 |
| F 15 | 12 18 | 20 11 | 0 38 | 21 1 | 2 35 | 9 13 | 1 8 | 13 7 | 0 9 | 18 30 | 1 3 | 9 14 | 2 13 | 14 29 | 0 22 | 15 26 | 0 24 | 8 15 | 16 44 | 22 0 | 22 14 | 16 54 | 16 9 | 3 3 |
| S 16 | 12 38 | 23 22 | 0s34 | 21 22 | 2 38 | 9 41 | 1 6 | 13 22 | 0 8 | 18 29 | 1 2 | 9 17 | 2 13 | 14 30 | 0 22 | 15 26 | 0 24 | 8 15 | 16 44 | 22 0 | 22 14 | 16 52 | 16 10 | 3 3 |
| S 17 | 12 57 | 25 17 | 1 46 | 21 40 | 2 39 | 10 9 | 1 5 | 13 37 | 0 7 | 18 28 | 1 2 | 9 19 | 2 13 | 14 31 | 0 22 | 15 26 | 0 24 | 8 14 | 16 44 | 22 0 | 22 14 | 16 50 | 16 11 | 3 3 |
| M18 | 13 17 | 25 43 | 2 52 | 21 56 | 2 40 | 10 37 | 1 3 | 13 52 | 0 7 | 18 27 | 1 2 | 9 22 | 2 13 | 14 32 | 0 22 | 15 26 | 0 24 | 8 14 | 16 44 | 22 0 | 22 13 | 16 48 | 16 12 | 3 3 |
| T 19 | 13 36 | 24 33 | 3 50 | 22 10 | 2 40 | 11 4 | 1 1 | 14 6 | 0 6 | 18 26 | 1 2 | 9 25 | 2 13 | 14 33 | 0 22 | 15 25 | 0 24 | 8 13 | 16 45 | 22 0 | 22 13 | 16 46 | 16 13 | 3 3 |
| W20 | 13 55 | 21 51 | 4 34 | 22 21 | 2 38 | 11 31 | 1 0 | 14 21 | 0 6 | 18 24 | 1 2 | 9 28 | 2 13 | 14 34 | 0 22 | 15 25 | 0 24 | 8 13 | 16 45 | 22 0 | 22 12 | 16 44 | 16 14 | 3 3 |
| T 21 | 14 14 | 17 48 | 5 2 | 22 30 | 2 36 | 11 58 | 0 58 | 14 36 | 0 5 | 18 23 | 1 2 | 9 30 | 2 13 | 14 35 | 0 22 | 15 25 | 0 24 | 8 12 | 16 45 | 22 0 | 22 12 | 16 41 | 16 15 | 3 3 |
| F 22 | 14 33 | 12 41 | 5 12 | 22 36 | 2 32 | 12 25 | 0 56 | 14 50 | 0 4 | 18 22 | 1 2 | 9 33 | 2 13 | 14 36 | 0 22 | 15 25 | 0 24 | 8 12 | 16 45 | 22 0 | 22 11 | 16 39 | 16 16 | 3 3 |
| S 23 | 14 52 | 6 51 | 5 2 | 22 40 | 2 28 | 12 51 | 0 54 | 15 4 | 0 4 | 18 21 | 1 2 | 9 36 | 2 13 | 14 38 | 0 22 | 15 24 | 0 25 | 8 12 | 16 45 | 21 59 | 22 11 | 16 37 | 16 17 | 3 3 |
| S 24 | 15 10 | 0 39 | 4 33 | 22 42 | 2 22 | 13 17 | 0 52 | 15 18 | 0 3 | 18 19 | 1 2 | 9 38 | 2 13 | 14 39 | 0 22 | 15 24 | 0 25 | 8 11 | 16 45 | 21 59 | 22 10 | 16 35 | 16 18 | 3 3 |
| M25 | 15 28 | 5n33 | 3 47 | 22 42 | 2 15 | 13 43 | 0 50 | 15 32 | 0 2 | 18 18 | 1 1 | 9 41 | 2 13 | 14 40 | 0 22 | 15 24 | 0 25 | 8 11 | 16 45 | 21 58 | 22 10 | 16 32 | 16 19 | 3 4 |
| T 26 | 15 45 | 11 24 | 2 47 | 22 39 | 2 8 | 14 8 | 0 48 | 15 46 | 0 2 | 18 17 | 1 1 | 9 43 | 2 13 | 14 41 | 0 22 | 15 24 | 0 25 | 8 11 | 16 45 | 21 58 | 22 10 | 16 30 | 16 20 | 3 4 |
| W27 | 16 3 | 16 34 | 1 38 | 22 35 | 1 59 | 14 33 | 0 46 | 15 59 | 0 1 | 18 15 | 1 1 | 9 46 | 2 13 | 14 42 | 0 22 | 15 24 | 0 25 | 8 10 | 16 45 | 21 57 | 22 9 | 16 28 | 16 21 | 3 4 |
| T 28 | 16 20 | 20 46 | 0 26 | 22 28 | 1 49 | 14 57 | 0 44 | 16 13 | 0 0 | 18 14 | 1 1 | 9 49 | 2 13 | 14 43 | 0 22 | 15 24 | 0 25 | 8 10 | 16 46 | 21 57 | 22 9 | 16 26 | 16 22 | 3 4 |
| F 29 | 16 37 | 23 46 | 0n47 | 22 19 | 1 38 | 15 22 | 0 42 | 16 26 | 0n 0 | 18 12 | 1 1 | 9 51 | 2 13 | 14 44 | 0 22 | 15 23 | 0 25 | 8 10 | 16 46 | 21 57 | 22 8 | 16 24 | 16 24 | 3 4 |
| S 30 | 16n54 | 25n26 | 1n55 | 22n 8 | 1n26 | 15n46 | 0s40 | 16n39 | 0n 1 | 18n11 | 1n 1 | 9n54 | 2s13 | 14n45 | 0s22 | 15s23 | 0s25 | 8s 9 | 16s46 | 21n57 | 22n 8 | 16n21 | 16n25 | 3s 4 |

Julian Day Number = 2214600.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'29, Lahiri = 14°48'29 Julian Calendar 1 Apr. 1351 == Greg. Calendar 9 Apr. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## MAY 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 5 18 | 17♉41'25 | 13♋26 | 2°R30 | 16♉15 | 16♉34 | 12♌16 | 1♉28 | 10♉49 | 19♒35 | 18♈44 | 9♊32 | 10♊38 | 29♌46 | 26♉21 | S 1 |
| M 2 | 15 9 14 | 18°39'09 | 25°42 | 2♊25 | 17°29 | 17°16 | 12°22 | 1°36 | 10°53 | 19°36 | 18°45 | 9°34 | 10°35 | 29°53 | 26°26 | M 2 |
| T 3 | 15 13 11 | 19°36'51 | 7♌46 | 2°16 | 18°42 | 17°59 | 12°28 | 1°43 | 10°56 | 19°36 | 18°47 | 9°35 | 10°32 | 29°59 | 26°30 | T 3 |
| W 4 | 15 17 7 | 20°34'31 | 19°42 | 2° 2 | 19°56 | 18°42 | 12°34 | 1°51 | 10°59 | 19°37 | 18°48 | 9°R35 | 10°29 | 0♍ 6 | 26°35 | W 4 |
| T 5 | 15 21 4 | 21°32'10 | 1♍35 | 1°44 | 21°10 | 19°24 | 12°40 | 1°58 | 11° 3 | 19°37 | 18°49 | 9°35 | 10°26 | 0°13 | 26°40 | T 5 |
| F 6 | 15 25 1 | 22°29'47 | 13°30 | 1°23 | 22°24 | 20° 7 | 12°46 | 2° 6 | 11° 6 | 19°37 | 18°50 | 9°34 | 10°23 | 0°20 | 26°44 | F 6 |
| S 7 | 15 28 57 | 23°27'23 | 25°30 | 0°58 | 23°37 | 20°50 | 12°52 | 2°13 | 11°10 | 19°37 | 18°51 | 9°32 | 10°19 | 0°26 | 26°49 | S 7 |
| S 8 | 15 32 54 | 24°24'57 | 7♎41 | 0°31 | 24°51 | 21°32 | 12°58 | 2°21 | 11°13 | 19°38 | 18°53 | 9°30 | 10°16 | 0°33 | 26°54 | S 8 |
| M 9 | 15 36 50 | 25°22'30 | 20° 4 | 0° 1 | 26° 5 | 22°14 | 13° 5 | 2°28 | 11°17 | 19°38 | 18°54 | 9°28 | 10°13 | 0°40 | 26°58 | M 9 |
| T 10 | 15 40 47 | 26°20'01 | 2♏43 | 29♉29 | 27°19 | 22°57 | 13°12 | 2°35 | 11°20 | 19°38 | 18°55 | 9°26 | 10°10 | 0°46 | 27° 3 | T 10 |
| W11 | 15 44 43 | 27°17'32 | 15°38 | 28°56 | 28°32 | 23°39 | 13°19 | 2°42 | 11°23 | 19°38 | 18°56 | 9°25 | 10° 7 | 0°53 | 27° 8 | W11 |
| T 12 | 15 48 40 | 28°15'01 | 28°49 | 28°23 | 29°46 | 24°21 | 13°26 | 2°50 | 11°27 | 19°38 | 18°57 | 9°24 | 10° 4 | 1° 0 | 27°12 | T 12 |
| F 13 | 15 52 36 | 29°12'29 | 12♐17 | 27°49 | 1♊ 0 | 25° 4 | 13°33 | 2°57 | 11°30 | 19°38 | 18°58 | 9°D24 | 10° 0 | 1° 7 | 27°17 | F 13 |
| S 14 | 15 56 33 | 0♊ 9'56 | 25°58 | 27°16 | 2°14 | 25°46 | 13°40 | 3° 4 | 11°33 | 19°38 | 18°59 | 9°24 | 9°57 | 1°13 | 27°22 | S 14 |
| S 15 | 16 0 30 | 1° 7'22 | 9♑52 | 26°43 | 3°27 | 26°28 | 13°47 | 3°11 | 11°37 | 19°R38 | 19° 1 | 9°25 | 9°54 | 1°20 | 27°26 | S 15 |
| M16 | 16 4 26 | 2° 4'48 | 23°55 | 26°13 | 4°41 | 27°10 | 13°55 | 3°18 | 11°40 | 19°38 | 19° 2 | 9°26 | 9°51 | 1°27 | 27°31 | M16 |
| T 17 | 16 8 23 | 3° 2'13 | 8♒ 5 | 25°44 | 5°55 | 27°52 | 14° 2 | 3°26 | 11°43 | 19°38 | 19° 3 | 9°26 | 9°48 | 1°34 | 27°36 | T 17 |
| W18 | 16 12 19 | 3°59'37 | 22°18 | 25°18 | 7° 9 | 28°34 | 14°10 | 3°33 | 11°47 | 19°38 | 19° 4 | 9°26 | 9°44 | 1°40 | 27°40 | W18 |
| T 19 | 16 16 16 | 4°57'00 | 6♓33 | 24°55 | 8°22 | 29°16 | 14°18 | 3°40 | 11°50 | 19°38 | 19° 5 | 9°R27 | 9°41 | 1°47 | 27°45 | T 19 |
| F 20 | 16 20 12 | 5°54'23 | 20°46 | 24°35 | 9°36 | 29°58 | 14°26 | 3°47 | 11°53 | 19°38 | 19° 6 | 9°26 | 9°38 | 1°54 | 27°50 | F 20 |
| S 21 | 16 24 9 | 6°51'45 | 4♈56 | 24°19 | 10°50 | 0♊39 | 14°34 | 3°54 | 11°56 | 19°38 | 19° 7 | 9°26 | 9°35 | 2° 0 | 27°54 | S 21 |
| S 22 | 16 28 5 | 7°49'06 | 18°58 | 24° 7 | 12° 3 | 1°21 | 14°42 | 4° 0 | 12° 0 | 19°38 | 19° 8 | 9°26 | 9°32 | 2° 7 | 27°59 | S 22 |
| M23 | 16 32 2 | 8°46'27 | 2♉52 | 23°59 | 13°17 | 2° 3 | 14°51 | 4° 7 | 12° 3 | 19°37 | 19° 9 | 9°26 | 9°29 | 2°14 | 28° 4 | M23 |
| T 24 | 16 35 59 | 9°43'48 | 16°35 | 23°D55 | 14°31 | 2°45 | 14°59 | 4°14 | 12° 6 | 19°37 | 19°10 | 9°D26 | 9°25 | 2°21 | 28° 8 | T 24 |
| W25 | 16 39 55 | 10°41'07 | 0♊ 3 | 23°56 | 15°44 | 3°26 | 15° 8 | 4°21 | 12° 9 | 19°37 | 19°11 | 9°26 | 9°22 | 2°27 | 28°13 | W25 |
| T 26 | 16 43 52 | 11°38'27 | 13°17 | 24° 1 | 16°58 | 4° 8 | 15°16 | 4°28 | 12°12 | 19°37 | 19°12 | 9°R26 | 9°19 | 2°34 | 28°18 | T 26 |
| F 27 | 16 47 48 | 12°35'45 | 26°15 | 24°11 | 18°12 | 4°49 | 15°25 | 4°34 | 12°15 | 19°36 | 19°13 | 9°26 | 9°16 | 2°41 | 28°22 | F 27 |
| S 28 | 16 51 45 | 13°33'03 | 8♋57 | 24°25 | 19°26 | 5°31 | 15°34 | 4°41 | 12°19 | 19°36 | 19°14 | 9°26 | 9°13 | 2°48 | 28°27 | S 28 |
| S 29 | 16 55 41 | 14°30'20 | 21°24 | 24°44 | 20°39 | 6°12 | 15°43 | 4°48 | 12°22 | 19°35 | 19°14 | 9°25 | 9°10 | 2°54 | 28°31 | S 29 |
| M30 | 16 59 38 | 15°27'37 | 3♌38 | 25° 7 | 21°53 | 6°54 | 15°52 | 4°54 | 12°25 | 19°35 | 19°15 | 9°24 | 9° 6 | 3° 1 | 28°36 | M30 |
| T 31 | 17 3 34 | 16♊24'52 | 15♌41 | 25♉35 | 23♊ 7 | 7♊35 | 16♌ 1 | 5♉ 1 | 12♉28 | 19♒34 | 19♈16 | 9♊24 | 9♊ 3 | 3♍ 8 | 28♉41 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n10 | 25n46 | 2n56 | 21n56 | 1n13 | 16n 9 | 0s38 | 16n52 | 0n 1 | 18n 9 | 1n 1 | 9n56 | 2s13 | 14n46 | 0s22 | 15s23 | 0s25 | 8s 9 | 16s46 | 21n58 | 22n 7 | 16n19 | 16n26 | 3s 4 |
| M 2 | 17 26 | 24 48 | 3 47 | 21 41 | 0 59 | 16 32 | 0 36 | 17 5 | 0 2 | 18 7 | 1 1 | 9 59 | 2 14 | 14 47 | 0 22 | 15 23 | 0 25 | 8 9 | 16 46 | 21 58 | 22 7 | 16 17 | 16 27 | 3 4 |
| T 3 | 17 42 | 22 42 | 4 28 | 21 25 | 0 45 | 16 55 | 0 34 | 17 18 | 0 3 | 18 6 | 1 1 | 10 2 | 2 14 | 14 49 | 0 22 | 15 23 | 0 25 | 8 8 | 16 46 | 21 58 | 22 6 | 16 15 | 16 28 | 3 4 |
| W 4 | 17 57 | 19 39 | 4 56 | 21 7 | 0 29 | 17 17 | 0 31 | 17 30 | 0 3 | 18 4 | 1 0 | 10 4 | 2 14 | 14 50 | 0 22 | 15 23 | 0 25 | 8 8 | 16 47 | 21 58 | 22 6 | 16 12 | 16 29 | 3 4 |
| T 5 | 18 13 | 15 48 | 5 12 | 20 48 | 0 13 | 17 39 | 0 29 | 17 42 | 0 4 | 18 2 | 1 0 | 10 7 | 2 14 | 14 51 | 0 22 | 15 23 | 0 25 | 8 8 | 16 47 | 21 58 | 22 5 | 16 10 | 16 30 | 3 4 |
| F 6 | 18 28 | 11 21 | 5 14 | 20 27 | 0s 4 | 18 0 | 0 27 | 17 55 | 0 5 | 18 0 | 1 0 | 10 9 | 2 14 | 14 52 | 0 22 | 15 23 | 0 25 | 8 7 | 16 47 | 21 58 | 22 5 | 16 8 | 16 31 | 3 4 |
| S 7 | 18 42 | 6 25 | 5 3 | 20 5 | 0 21 | 18 21 | 0 25 | 18 7 | 0 5 | 17 58 | 1 0 | 10 12 | 2 14 | 14 53 | 0 22 | 15 23 | 0 25 | 8 7 | 16 47 | 21 58 | 22 5 | 16 5 | 16 32 | 3 4 |
| S 8 | 18 57 | 1 12 | 4 38 | 19 43 | 0 38 | 18 41 | 0 22 | 18 18 | 0 6 | 17 56 | 1 0 | 10 14 | 2 14 | 14 54 | 0 22 | 15 23 | 0 25 | 8 7 | 16 47 | 21 57 | 22 4 | 16 3 | 16 33 | 3 4 |
| M 9 | 19 10 | 4s10 | 4 0 | 19 19 | 0 55 | 19 1 | 0 20 | 18 30 | 0 6 | 17 54 | 1 0 | 10 17 | 2 14 | 14 55 | 0 22 | 15 23 | 0 25 | 8 7 | 16 47 | 21 57 | 22 4 | 16 1 | 16 34 | 3 4 |
| T 10 | 19 24 | 9 30 | 3 9 | 18 56 | 1 13 | 19 20 | 0 18 | 18 41 | 0 7 | 17 52 | 1 0 | 10 19 | 2 14 | 14 56 | 0 22 | 15 23 | 0 25 | 8 6 | 16 48 | 21 57 | 22 3 | 15 59 | 16 35 | 3 4 |
| W11 | 19 37 | 14 32 | 2 8 | 18 32 | 1 30 | 19 39 | 0 15 | 18 53 | 0 8 | 17 50 | 1 0 | 10 21 | 2 14 | 14 57 | 0 22 | 15 23 | 0 25 | 8 6 | 16 48 | 21 56 | 22 3 | 15 56 | 16 35 | 3 5 |
| T 12 | 19 50 | 19 1 | 0 58 | 18 8 | 1 47 | 19 58 | 0 13 | 19 4 | 0 8 | 17 48 | 1 0 | 10 24 | 2 14 | 14 58 | 0 22 | 15 23 | 0 25 | 8 6 | 16 48 | 21 56 | 22 2 | 15 54 | 16 36 | 3 5 |
| F 13 | 20 3 | 22 37 | 0s16 | 17 44 | 2 3 | 20 15 | 0 11 | 19 15 | 0 9 | 17 46 | 1 0 | 10 26 | 2 14 | 14 59 | 0 22 | 15 23 | 0 25 | 8 6 | 16 48 | 21 56 | 22 2 | 15 52 | 16 37 | 3 5 |
| S 14 | 20 15 | 24 58 | 1 30 | 17 21 | 2 19 | 20 33 | 0 8 | 19 25 | 0 10 | 17 44 | 1 0 | 10 29 | 2 14 | 15 0 | 0 22 | 15 23 | 0 25 | 8 6 | 16 48 | 21 56 | 22 1 | 15 49 | 16 38 | 3 5 |
| S 15 | 20 27 | 25 50 | 2 41 | 16 59 | 2 34 | 20 49 | 0 6 | 19 36 | 0 10 | 17 42 | 0 59 | 10 31 | 2 14 | 15 1 | 0 22 | 15 23 | 0 25 | 8 5 | 16 49 | 21 56 | 22 1 | 15 47 | 16 39 | 3 5 |
| M16 | 20 39 | 25 3 | 3 42 | 16 39 | 2 48 | 21 5 | 0 4 | 19 46 | 0 11 | 17 39 | 0 59 | 10 33 | 2 14 | 15 2 | 0 22 | 15 23 | 0 25 | 8 5 | 16 49 | 21 57 | 22 0 | 15 45 | 16 40 | 3 5 |
| T 17 | 20 50 | 22 40 | 4 31 | 16 19 | 3 1 | 21 21 | 0 1 | 19 56 | 0 11 | 17 37 | 0 59 | 10 36 | 2 15 | 15 3 | 0 22 | 15 23 | 0 25 | 8 5 | 16 49 | 21 57 | 22 0 | 15 42 | 16 41 | 3 5 |
| W18 | 21 1 | 18 53 | 5 3 | 16 1 | 3 13 | 21 36 | 0n 1 | 20 6 | 0 12 | 17 35 | 0 59 | 10 38 | 2 15 | 15 4 | 0 22 | 15 23 | 0 25 | 8 5 | 16 49 | 21 57 | 21 59 | 15 40 | 16 42 | 3 5 |
| T 19 | 21 12 | 14 2 | 5 16 | 15 45 | 3 24 | 21 50 | 0 3 | 20 16 | 0 13 | 17 32 | 0 59 | 10 40 | 2 15 | 15 5 | 0 22 | 15 23 | 0 25 | 8 5 | 16 50 | 21 57 | 21 59 | 15 38 | 16 43 | 3 5 |
| F 20 | 21 22 | 8 25 | 5 11 | 15 31 | 3 34 | 22 4 | 0 6 | 20 26 | 0 13 | 17 30 | 0 59 | 10 42 | 2 15 | 15 6 | 0 22 | 15 23 | 0 25 | 8 5 | 16 50 | 21 57 | 21 58 | 15 35 | 16 44 | 3 5 |
| S 21 | 21 32 | 2 25 | 4 46 | 15 19 | 3 42 | 22 17 | 0 8 | 20 35 | 0 14 | 17 28 | 0 59 | 10 45 | 2 15 | 15 7 | 0 22 | 15 23 | 0 25 | 8 4 | 16 50 | 21 57 | 21 58 | 15 33 | 16 45 | 3 6 |
| S 22 | 21 41 | 3n41 | 4 4 | 15 9 | 3 50 | 22 30 | 0 11 | 20 44 | 0 14 | 17 25 | 0 59 | 10 47 | 2 15 | 15 8 | 0 22 | 15 23 | 0 25 | 8 4 | 16 50 | 21 57 | 21 58 | 15 31 | 16 46 | 3 6 |
| M23 | 21 51 | 9 33 | 3 9 | 15 2 | 3 55 | 22 41 | 0 13 | 20 54 | 0 15 | 17 23 | 0 59 | 10 49 | 2 15 | 15 9 | 0 22 | 15 23 | 0 25 | 8 4 | 16 51 | 21 57 | 21 57 | 15 28 | 16 47 | 3 6 |
| T 24 | 21 59 | 14 53 | 2 3 | 14 56 | 4 0 | 22 53 | 0 15 | 21 2 | 0 16 | 17 20 | 0 59 | 10 51 | 2 15 | 15 10 | 0 22 | 15 23 | 0 25 | 8 4 | 16 51 | 21 57 | 21 57 | 15 26 | 16 48 | 3 6 |
| W25 | 22 8 | 19 24 | 0 52 | 14 53 | 4 4 | 23 3 | 0 18 | 21 11 | 0 16 | 17 17 | 0 59 | 10 54 | 2 15 | 15 11 | 0 22 | 15 23 | 0 25 | 8 4 | 16 51 | 21 57 | 21 56 | 15 24 | 16 49 | 3 6 |
| T 26 | 22 16 | 22 50 | 0n21 | 14 52 | 4 6 | 23 13 | 0 20 | 21 19 | 0 17 | 17 15 | 0 58 | 10 56 | 2 15 | 15 12 | 0 22 | 15 23 | 0 25 | 8 4 | 16 51 | 21 57 | 21 56 | 15 21 | 16 49 | 3 6 |
| F 27 | 22 23 | 25 0 | 1 32 | 14 54 | 4 7 | 23 22 | 0 22 | 21 28 | 0 18 | 17 12 | 0 58 | 10 58 | 2 16 | 15 13 | 0 22 | 15 24 | 0 25 | 8 4 | 16 52 | 21 57 | 21 55 | 15 19 | 16 50 | 3 6 |
| S 28 | 22 30 | 25 49 | 2 36 | 14 57 | 4 7 | 23 31 | 0 25 | 21 36 | 0 18 | 17 9 | 0 58 | 11 0 | 2 16 | 15 14 | 0 22 | 15 24 | 0 25 | 8 4 | 16 52 | 21 57 | 21 55 | 15 17 | 16 51 | 3 7 |
| S 29 | 22 37 | 25 18 | 3 32 | 15 3 | 4 6 | 23 39 | 0 27 | 21 44 | 0 19 | 17 7 | 0 58 | 11 2 | 2 16 | 15 15 | 0 22 | 15 24 | 0 25 | 8 4 | 16 52 | 21 56 | 21 54 | 15 14 | 16 52 | 3 7 |
| M30 | 22 44 | 23 34 | 4 17 | 15 10 | 4 4 | 23 46 | 0 29 | 21 51 | 0 19 | 17 4 | 0 58 | 11 4 | 2 16 | 15 16 | 0 22 | 15 24 | 0 25 | 8 4 | 16 52 | 21 56 | 21 54 | 15 12 | 16 53 | 3 7 |
| T 31 | 22n50 | 20n48 | 4n50 | 15n20 | 4s 1 | 23n52 | 0n32 | 21n59 | 0n20 | 17n 1 | 0n58 | 11n 6 | 2s16 | 15n17 | 0s22 | 15s24 | 0s25 | 8s 3 | 16s53 | 21n56 | 21n53 | 15n 9 | 16n54 | 3s 7 |

Julian Day Number = 2214630.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'33, Lahiri = 14°48'33 Julian Calendar 1 May 1351 == Greg. Calendar 9 May 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## JUNE 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 7 31 | 17♊22'07 | 27♌37 | 26♉ 8 | 24♊20 | 8♊16 | 16♌11 | 5♉ 7 | 12♉31 | 19°R34 | 19♈17 | 9°R23 | 9♊ 0 | 3♍14 | 28♉45 | W 1 |
| T 2 | 17 11 28 | 18°19'21 | 9♍30 | 26°44 | 25°34 | 8°58 | 16°20 | 5°13 | 12°34 | 19♒33 | 19°18 | 9♊22 | 8°57 | 3°21 | 28°50 | T 2 |
| F 3 | 17 15 24 | 19°16'35 | 21°25 | 27°25 | 26°48 | 9°39 | 16°29 | 5°20 | 12°37 | 19°33 | 19°19 | 9°D22 | 8°54 | 3°28 | 28°54 | F 3 |
| S 4 | 17 19 21 | 20°13'47 | 3♎26 | 28°10 | 28° 1 | 10°20 | 16°39 | 5°26 | 12°40 | 19°32 | 19°19 | 9°22 | 8°50 | 3°35 | 28°59 | S 4 |
| S 5 | 17 23 17 | 21°10'59 | 15°37 | 29° 0 | 29°15 | 11° 1 | 16°49 | 5°32 | 12°43 | 19°31 | 19°20 | 9°23 | 8°47 | 3°41 | 29° 3 | S 5 |
| M 6 | 17 27 14 | 22° 8'10 | 28° 2 | 29°53 | 0♋29 | 11°42 | 16°59 | 5°38 | 12°45 | 19°31 | 19°21 | 9°24 | 8°44 | 3°48 | 29° 8 | M 6 |
| T 7 | 17 31 10 | 23° 5'21 | 10♏46 | 0♊51 | 1°42 | 12°23 | 17° 8 | 5°44 | 12°48 | 19°30 | 19°22 | 9°25 | 8°41 | 3°55 | 29°12 | T 7 |
| W 8 | 17 35 7 | 24° 2'32 | 23°51 | 1°52 | 2°56 | 13° 4 | 17°18 | 5°50 | 12°51 | 19°29 | 19°22 | 9°26 | 8°38 | 4° 1 | 29°16 | W 8 |
| T 9 | 17 39 3 | 24°59'42 | 7♐17 | 2°57 | 4°10 | 13°45 | 17°28 | 5°56 | 12°54 | 19°29 | 19°23 | 9°R27 | 8°35 | 4° 8 | 29°21 | T 9 |
| F 10 | 17 43 0 | 25°56'51 | 21° 4 | 4° 6 | 5°23 | 14°26 | 17°39 | 6° 2 | 12°57 | 19°28 | 19°24 | 9°27 | 8°31 | 4°15 | 29°25 | F 10 |
| S 11 | 17 46 57 | 26°54'01 | 5♑11 | 5°19 | 6°37 | 15° 7 | 17°49 | 6° 8 | 12°59 | 19°27 | 19°24 | 9°25 | 8°28 | 4°22 | 29°29 | S 11 |
| S 12 | 17 50 53 | 27°51'11 | 19°32 | 6°36 | 7°51 | 15°47 | 17°59 | 6°14 | 13° 2 | 19°26 | 19°25 | 9°24 | 8°25 | 4°28 | 29°34 | S 12 |
| M13 | 17 54 50 | 28°48'20 | 4♒ 3 | 7°56 | 9° 4 | 16°28 | 18°10 | 6°20 | 13° 5 | 19°25 | 19°26 | 9°21 | 8°22 | 4°35 | 29°38 | M13 |
| T 14 | 17 58 46 | 29°45'29 | 18°37 | 9°21 | 10°18 | 17° 9 | 18°20 | 6°25 | 13° 7 | 19°24 | 19°26 | 9°19 | 8°19 | 4°42 | 29°42 | T 14 |
| W15 | 18 2 43 | 0♋42'39 | 3♓ 8 | 10°48 | 11°31 | 17°49 | 18°31 | 6°31 | 13°10 | 19°23 | 19°27 | 9°16 | 8°16 | 4°49 | 29°47 | W15 |
| T 16 | 18 6 39 | 1°39'49 | 17°33 | 12°20 | 12°45 | 18°30 | 18°41 | 6°37 | 13°13 | 19°23 | 19°27 | 9°15 | 8°12 | 4°55 | 29°51 | T 16 |
| F 17 | 18 10 36 | 2°36'59 | 1♈46 | 13°54 | 13°59 | 19°10 | 18°52 | 6°42 | 13°15 | 19°22 | 19°28 | 9°D14 | 8° 9 | 5° 2 | 29°55 | F 17 |
| S 18 | 18 14 33 | 3°34'09 | 15°46 | 15°33 | 15°12 | 19°51 | 19° 3 | 6°47 | 13°18 | 19°21 | 19°28 | 9°15 | 8° 6 | 5° 9 | 29°59 | S 18 |
| S 19 | 18 18 29 | 4°31'20 | 29°32 | 17°14 | 16°26 | 20°31 | 19°14 | 6°53 | 13°20 | 19°20 | 19°29 | 9°16 | 8° 3 | 5°15 | 0♊ 3 | S 19 |
| M20 | 18 22 26 | 5°28'31 | 13♉ 4 | 18°59 | 17°40 | 21°12 | 19°25 | 6°58 | 13°23 | 19°18 | 19°29 | 9°17 | 8° 0 | 5°22 | 0° 7 | M20 |
| T 21 | 18 26 22 | 6°25'43 | 26°22 | 20°47 | 18°53 | 21°52 | 19°36 | 7° 3 | 13°25 | 19°17 | 19°30 | 9°19 | 7°56 | 5°29 | 0°11 | T 21 |
| W22 | 18 30 19 | 7°22'55 | 9♊26 | 22°38 | 20° 7 | 22°33 | 19°47 | 7° 8 | 13°27 | 19°16 | 19°30 | 9°R19 | 7°53 | 5°36 | 0°15 | W22 |
| T 23 | 18 34 15 | 8°20'07 | 22°18 | 24°32 | 21°21 | 23°13 | 19°58 | 7°13 | 13°30 | 19°15 | 19°31 | 9°19 | 7°50 | 5°42 | 0°19 | T 23 |
| F 24 | 18 38 12 | 9°17'20 | 4♋58 | 26°28 | 22°34 | 23°53 | 20° 9 | 7°18 | 13°32 | 19°14 | 19°31 | 9°16 | 7°47 | 5°49 | 0°23 | F 24 |
| S 25 | 18 42 8 | 10°14'32 | 17°26 | 28°27 | 23°48 | 24°33 | 20°20 | 7°23 | 13°34 | 19°13 | 19°31 | 9°13 | 7°44 | 5°56 | 0°27 | S 25 |
| S 26 | 18 46 5 | 11°11'46 | 29°43 | 0♋28 | 25° 1 | 25°13 | 20°32 | 7°28 | 13°36 | 19°12 | 19°32 | 9° 8 | 7°41 | 6° 3 | 0°31 | S 26 |
| M27 | 18 50 2 | 12° 8'59 | 11♌51 | 2°31 | 26°15 | 25°54 | 20°43 | 7°33 | 13°39 | 19°11 | 19°32 | 9° 2 | 7°37 | 6° 9 | 0°35 | M27 |
| T 28 | 18 53 58 | 13° 6'13 | 23°51 | 4°36 | 27°29 | 26°34 | 20°55 | 7°37 | 13°41 | 19° 9 | 19°32 | 8°56 | 7°34 | 6°16 | 0°39 | T 28 |
| W29 | 18 57 55 | 14° 3'26 | 5♍45 | 6°42 | 28°42 | 27°14 | 21° 6 | 7°42 | 13°43 | 19° 8 | 19°33 | 8°51 | 7°31 | 6°23 | 0°43 | W29 |
| T 30 | 19 1 51 | 15♋ 0'40 | 17♍37 | 8♋49 | 29♋56 | 27♊54 | 21♌18 | 7♉47 | 13♉45 | 19♒ 7 | 19♈33 | 8♊47 | 7♊28 | 6♍29 | 0♊46 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n55 | 17n11 | 5n10 | 15n31 | 3s56 | 23n58 | 0n34 | 22n 6 | 0n21 | 16n58 | 0n58 | 11n 8 | 2s16 | 15n18 | 0s22 | 15s24 | 0s25 | 8s 3 | 16s53 | 21n56 | 21n53 | 15n 7 | 16n55 | 3s 7 | W 1 |
| T 2 | 23 1 | 12 54 | 5 16 | 15 44 | 3 52 | 24 3 | 0 36 | 22 13 | 0 21 | 16 55 | 0 58 | 11 10 | 2 16 | 15 19 | 0 22 | 15 25 | 0 26 | 8 3 | 16 53 | 21 56 | 21 52 | 15 5 | 16 55 | 3 7 | T 2 |
| F 3 | 23 5 | 8 9 | 5 9 | 15 59 | 3 46 | 24 7 | 0 38 | 22 20 | 0 22 | 16 52 | 0 58 | 11 12 | 2 16 | 15 20 | 0 22 | 15 25 | 0 26 | 8 3 | 16 54 | 21 56 | 21 52 | 15 2 | 16 56 | 3 7 | F 3 |
| S 4 | 23 10 | 3 3 | 4 49 | 16 15 | 3 39 | 24 11 | 0 40 | 22 27 | 0 22 | 16 49 | 0 58 | 11 14 | 2 17 | 15 20 | 0 22 | 15 25 | 0 26 | 8 3 | 16 54 | 21 56 | 21 51 | 15 0 | 16 57 | 3 8 | S 4 |
| S 5 | 23 14 | 2s14 | 4 15 | 16 33 | 3 32 | 24 14 | 0 43 | 22 33 | 0 23 | 16 46 | 0 58 | 11 16 | 2 17 | 15 21 | 0 22 | 15 25 | 0 26 | 8 3 | 16 54 | 21 56 | 21 51 | 14 58 | 16 58 | 3 8 | S 5 |
| M 6 | 23 17 | 7 33 | 3 29 | 16 52 | 3 24 | 24 16 | 0 45 | 22 39 | 0 23 | 16 43 | 0 58 | 11 18 | 2 17 | 15 22 | 0 22 | 15 25 | 0 26 | 8 3 | 16 54 | 21 56 | 21 50 | 14 55 | 16 59 | 3 8 | M 6 |
| T 7 | 23 21 | 12 42 | 2 32 | 17 12 | 3 16 | 24 18 | 0 47 | 22 45 | 0 24 | 16 40 | 0 58 | 11 20 | 2 17 | 15 23 | 0 22 | 15 26 | 0 26 | 8 3 | 16 55 | 21 57 | 21 50 | 14 53 | 16 59 | 3 8 | T 7 |
| W 8 | 23 23 | 17 26 | 1 25 | 17 33 | 3 7 | 24 18 | 0 49 | 22 51 | 0 25 | 16 37 | 0 58 | 11 22 | 2 17 | 15 24 | 0 22 | 15 26 | 0 26 | 8 3 | 16 55 | 21 57 | 21 49 | 14 50 | 17 0 | 3 8 | W 8 |
| T 9 | 23 26 | 21 24 | 0 12 | 17 56 | 2 57 | 24 18 | 0 51 | 22 57 | 0 25 | 16 34 | 0 58 | 11 23 | 2 17 | 15 25 | 0 22 | 15 26 | 0 26 | 8 3 | 16 55 | 21 57 | 21 49 | 14 48 | 17 1 | 3 8 | T 9 |
| F 10 | 23 28 | 24 17 | 1s 4 | 18 18 | 2 47 | 24 18 | 0 53 | 23 2 | 0 26 | 16 31 | 0 57 | 11 25 | 2 17 | 15 26 | 0 22 | 15 27 | 0 26 | 8 3 | 16 56 | 21 57 | 21 48 | 14 45 | 17 2 | 3 9 | F 10 |
| S 11 | 23 29 | 25 42 | 2 17 | 18 42 | 2 36 | 24 16 | 0 55 | 23 8 | 0 26 | 16 27 | 0 57 | 11 27 | 2 18 | 15 26 | 0 22 | 15 27 | 0 26 | 8 4 | 16 56 | 21 57 | 21 48 | 14 43 | 17 2 | 3 9 | S 11 |
| S 12 | 23 30 | 25 27 | 3 23 | 19 6 | 2 25 | 24 14 | 0 57 | 23 13 | 0 27 | 16 24 | 0 57 | 11 29 | 2 18 | 15 27 | 0 22 | 15 27 | 0 26 | 8 4 | 16 56 | 21 56 | 21 47 | 14 41 | 17 3 | 3 9 | S 12 |
| M13 | 23 31 | 23 28 | 4 17 | 19 30 | 2 14 | 24 11 | 0 59 | 23 17 | 0 28 | 16 21 | 0 57 | 11 30 | 2 18 | 15 28 | 0 22 | 15 27 | 0 26 | 8 4 | 16 57 | 21 56 | 21 47 | 14 38 | 17 4 | 3 9 | M13 |
| T 14 | 23 31 | 19 57 | 4 54 | 19 55 | 2 2 | 24 8 | 1 0 | 23 22 | 0 28 | 16 18 | 0 57 | 11 32 | 2 18 | 15 29 | 0 22 | 15 28 | 0 26 | 8 4 | 16 57 | 21 56 | 21 46 | 14 36 | 17 4 | 3 9 | T 14 |
| W15 | 23 31 | 15 14 | 5 13 | 20 19 | 1 50 | 24 3 | 1 2 | 23 26 | 0 29 | 16 14 | 0 57 | 11 34 | 2 18 | 15 30 | 0 22 | 15 28 | 0 26 | 8 4 | 16 57 | 21 55 | 21 46 | 14 33 | 17 5 | 3 10 | W15 |
| T 16 | 23 31 | 9 42 | 5 11 | 20 44 | 1 38 | 23 58 | 1 4 | 23 31 | 0 29 | 16 11 | 0 57 | 11 36 | 2 18 | 15 30 | 0 22 | 15 28 | 0 26 | 8 4 | 16 58 | 21 55 | 21 45 | 14 31 | 17 6 | 3 10 | T 16 |
| F 17 | 23 30 | 3 44 | 4 50 | 21 8 | 1 26 | 23 53 | 1 6 | 23 35 | 0 30 | 16 8 | 0 57 | 11 37 | 2 19 | 15 31 | 0 22 | 15 29 | 0 26 | 8 4 | 16 58 | 21 55 | 21 45 | 14 28 | 17 7 | 3 10 | F 17 |
| S 18 | 23 29 | 2n20 | 4 13 | 21 31 | 1 14 | 23 46 | 1 7 | 23 38 | 0 30 | 16 4 | 0 57 | 11 39 | 2 19 | 15 32 | 0 22 | 15 29 | 0 26 | 8 4 | 16 58 | 21 55 | 21 44 | 14 26 | 17 7 | 3 10 | S 18 |
| S 19 | 23 27 | 8 13 | 3 21 | 21 54 | 1 1 | 23 39 | 1 9 | 23 42 | 0 31 | 16 1 | 0 57 | 11 40 | 2 19 | 15 33 | 0 22 | 15 29 | 0 26 | 8 4 | 16 59 | 21 55 | 21 44 | 14 23 | 17 8 | 3 10 | S 19 |
| M20 | 23 25 | 13 36 | 2 19 | 22 15 | 0 49 | 23 31 | 1 11 | 23 45 | 0 32 | 15 57 | 0 57 | 11 42 | 2 19 | 15 33 | 0 22 | 15 30 | 0 26 | 8 4 | 16 59 | 21 55 | 21 43 | 14 21 | 17 9 | 3 11 | M20 |
| T 21 | 23 22 | 18 16 | 1 10 | 22 36 | 0 36 | 23 23 | 1 12 | 23 49 | 0 32 | 15 54 | 0 57 | 11 43 | 2 19 | 15 34 | 0 22 | 15 30 | 0 26 | 8 5 | 16 59 | 21 56 | 21 43 | 14 18 | 17 9 | 3 11 | T 21 |
| W22 | 23 19 | 21 57 | 0n 1 | 22 55 | 0 24 | 23 13 | 1 14 | 23 51 | 0 33 | 15 50 | 0 57 | 11 45 | 2 19 | 15 35 | 0 22 | 15 30 | 0 26 | 8 5 | 17 0 | 21 56 | 21 42 | 14 16 | 17 10 | 3 11 | W22 |
| T 23 | 23 16 | 24 28 | 1 10 | 23 13 | 0 12 | 23 4 | 1 15 | 23 54 | 0 33 | 15 47 | 0 57 | 11 46 | 2 20 | 15 35 | 0 22 | 15 31 | 0 26 | 8 5 | 17 0 | 21 56 | 21 42 | 14 13 | 17 10 | 3 11 | T 23 |
| F 24 | 23 12 | 25 41 | 2 16 | 23 28 | 0 0 | 22 53 | 1 16 | 23 57 | 0 34 | 15 43 | 0 57 | 11 48 | 2 20 | 15 36 | 0 22 | 15 31 | 0 26 | 8 5 | 17 0 | 21 55 | 21 41 | 14 11 | 17 11 | 3 11 | F 24 |
| S 25 | 23 8 | 25 34 | 3 13 | 23 42 | 0n11 | 22 42 | 1 18 | 23 59 | 0 34 | 15 39 | 0 57 | 11 49 | 2 20 | 15 37 | 0 22 | 15 32 | 0 26 | 8 5 | 17 1 | 21 55 | 21 41 | 14 9 | 17 12 | 3 12 | S 25 |
| S 26 | 23 3 | 24 12 | 4 1 | 23 53 | 0 22 | 22 30 | 1 19 | 24 1 | 0 35 | 15 36 | 0 57 | 11 51 | 2 20 | 15 38 | 0 22 | 15 32 | 0 26 | 8 5 | 17 1 | 21 54 | 21 40 | 14 6 | 17 12 | 3 12 | S 26 |
| M27 | 22 58 | 21 43 | 4 37 | 24 3 | 0 32 | 22 17 | 1 20 | 24 3 | 0 36 | 15 32 | 0 57 | 11 52 | 2 20 | 15 38 | 0 22 | 15 32 | 0 26 | 8 6 | 17 1 | 21 53 | 21 40 | 14 4 | 17 13 | 3 12 | M27 |
| T 28 | 22 53 | 18 20 | 5 0 | 24 9 | 0 42 | 22 4 | 1 21 | 24 5 | 0 36 | 15 28 | 0 57 | 11 53 | 2 21 | 15 39 | 0 22 | 15 33 | 0 26 | 8 6 | 17 2 | 21 52 | 21 39 | 14 1 | 17 13 | 3 12 | T 28 |
| W29 | 22 47 | 14 14 | 5 10 | 24 13 | 0 52 | 21 50 | 1 22 | 24 6 | 0 37 | 15 25 | 0 57 | 11 55 | 2 21 | 15 39 | 0 22 | 15 33 | 0 26 | 8 6 | 17 2 | 21 51 | 21 39 | 13 59 | 17 14 | 3 13 | W29 |
| T 30 | 22n41 | 9n37 | 5n 7 | 24n14 | 1n 1 | 21n36 | 1n23 | 24n 8 | 0n37 | 15n21 | 0n57 | 11n56 | 2s21 | 15n40 | 0s22 | 15s34 | 0s26 | 8s 6 | 17s 2 | 21n51 | 21n38 | 13n56 | 17n14 | 3s13 | T 30 |

Julian Day Number = 2214661.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'37, Lahiri = 14°48'38 Julian Calendar 1 June 1351 == Greg. Calendar 9 June 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## JULY 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 5 48 | 15♋57'54 | 29♍30 | 10♋57 | 1♌10 | 28♊34 | 21♌29 | 7♉51 | 13♉47 | 19°R 5 | 19♈33 | 8°R44 | 7♊25 | 6♍36 | 0♊50 | F 1 |
| S 2 | 19 9 44 | 16°55'09 | 11♎29 | 13° 5 | 2°23 | 29°13 | 21°41 | 7°55 | 13°49 | 19♒ 4 | 19°33 | 8°D42 | 7°22 | 6°43 | 0°54 | S 2 |
| S 3 | 19 13 41 | 17°52'23 | 23°38 | 15°13 | 3°37 | 29°53 | 21°53 | 8° 0 | 13°51 | 19° 3 | 19°34 | 8♊42 | 7°18 | 6°50 | 0°57 | S 3 |
| M 4 | 19 17 37 | 18°49'38 | 6♏ 1 | 17°21 | 4°50 | 0♋33 | 22° 5 | 8° 4 | 13°53 | 19° 1 | 19°34 | 8°43 | 7°15 | 6°56 | 1° 1 | M 4 |
| T 5 | 19 21 34 | 19°46'54 | 18°44 | 19°28 | 6° 4 | 1°13 | 22°17 | 8° 8 | 13°55 | 19° 0 | 19°34 | 8°45 | 7°12 | 7° 3 | 1° 4 | T 5 |
| W 6 | 19 25 31 | 20°44'09 | 1♐50 | 21°35 | 7°18 | 1°53 | 22°29 | 8°12 | 13°57 | 18°59 | 19°34 | 8°46 | 7° 9 | 7°10 | 1° 8 | W 6 |
| T 7 | 19 29 27 | 21°41'26 | 15°23 | 23°41 | 8°31 | 2°32 | 22°40 | 8°16 | 13°58 | 18°57 | 19°34 | 8°R46 | 7° 6 | 7°16 | 1°11 | T 7 |
| F 8 | 19 33 24 | 22°38'42 | 29°21 | 25°47 | 9°45 | 3°12 | 22°53 | 8°20 | 14° 0 | 18°56 | 19°34 | 8°44 | 7° 2 | 7°23 | 1°15 | F 8 |
| S 9 | 19 37 20 | 23°36'00 | 13♑45 | 27°50 | 10°58 | 3°51 | 23° 5 | 8°23 | 14° 2 | 18°54 | 19°34 | 8°41 | 6°59 | 7°30 | 1°18 | S 9 |
| S 10 | 19 41 17 | 24°33'18 | 28°28 | 29°53 | 12°12 | 4°31 | 23°17 | 8°27 | 14° 3 | 18°53 | 19°35 | 8°35 | 6°56 | 7°37 | 1°21 | S 10 |
| M11 | 19 45 13 | 25°30'36 | 13♒24 | 1♌54 | 13°25 | 5°11 | 23°29 | 8°31 | 14° 5 | 18°52 | 19°35 | 8°28 | 6°53 | 7°43 | 1°25 | M11 |
| T 12 | 19 49 10 | 26°27'56 | 28°23 | 3°54 | 14°39 | 5°50 | 23°41 | 8°34 | 14° 7 | 18°50 | 19°R35 | 8°21 | 6°50 | 7°50 | 1°28 | T 12 |
| W13 | 19 53 6 | 27°25'16 | 13♓17 | 5°53 | 15°52 | 6°29 | 23°53 | 8°37 | 14° 8 | 18°49 | 19°35 | 8°15 | 6°47 | 7°57 | 1°31 | W13 |
| T 14 | 19 57 3 | 28°22'38 | 27°58 | 7°50 | 17° 6 | 7° 9 | 24° 6 | 8°41 | 14°10 | 18°47 | 19°35 | 8°10 | 6°43 | 8° 4 | 1°34 | T 14 |
| F 15 | 20 1 0 | 29°20'01 | 12♈21 | 9°45 | 18°19 | 7°48 | 24°18 | 8°44 | 14°11 | 18°46 | 19°35 | 8° 7 | 6°40 | 8°10 | 1°37 | F 15 |
| S 16 | 20 4 56 | 0♌17'25 | 26°22 | 11°38 | 19°33 | 8°27 | 24°30 | 8°47 | 14°12 | 18°44 | 19°34 | 8°D 5 | 6°37 | 8°17 | 1°40 | S 16 |
| S 17 | 20 8 53 | 1°14'50 | 10♉ 2 | 13°31 | 20°46 | 9° 7 | 24°43 | 8°50 | 14°14 | 18°43 | 19°34 | 8° 6 | 6°34 | 8°24 | 1°43 | S 17 |
| M18 | 20 12 49 | 2°12'16 | 23°22 | 15°21 | 22° 0 | 9°46 | 24°55 | 8°53 | 14°15 | 18°41 | 19°34 | 8° 6 | 6°31 | 8°30 | 1°46 | M18 |
| T 19 | 20 16 46 | 3° 9'44 | 6♊23 | 17°10 | 23°14 | 10°25 | 25° 8 | 8°56 | 14°16 | 18°39 | 19°34 | 8°R 7 | 6°28 | 8°37 | 1°49 | T 19 |
| W20 | 20 20 42 | 4° 7'13 | 19°10 | 18°57 | 24°27 | 11° 4 | 25°20 | 8°58 | 14°17 | 18°38 | 19°34 | 8° 7 | 6°24 | 8°44 | 1°52 | W20 |
| T 21 | 20 24 39 | 5° 4'44 | 1♋44 | 20°43 | 25°40 | 11°43 | 25°33 | 9° 1 | 14°19 | 18°36 | 19°34 | 8° 4 | 6°21 | 8°51 | 1°55 | T 21 |
| F 22 | 20 28 35 | 6° 2'16 | 14° 7 | 22°27 | 26°54 | 12°23 | 25°45 | 9° 3 | 14°20 | 18°35 | 19°34 | 7°59 | 6°18 | 8°57 | 1°57 | F 22 |
| S 23 | 20 32 32 | 6°59'49 | 26°21 | 24°10 | 28° 7 | 13° 2 | 25°58 | 9° 6 | 14°21 | 18°33 | 19°33 | 7°51 | 6°15 | 9° 4 | 2° 0 | S 23 |
| S 24 | 20 36 29 | 7°57'23 | 8♌28 | 25°51 | 29°21 | 13°41 | 26°11 | 9° 8 | 14°22 | 18°32 | 19°33 | 7°42 | 6°12 | 9°11 | 2° 3 | S 24 |
| M25 | 20 40 25 | 8°54'58 | 20°28 | 27°30 | 0♍34 | 14°20 | 26°23 | 9°10 | 14°23 | 18°30 | 19°33 | 7°30 | 6° 8 | 9°18 | 2° 5 | M25 |
| T 26 | 20 44 22 | 9°52'34 | 2♍24 | 29° 8 | 1°48 | 14°59 | 26°36 | 9°13 | 14°24 | 18°28 | 19°33 | 7°19 | 6° 5 | 9°24 | 2° 8 | T 26 |
| W27 | 20 48 18 | 10°50'12 | 14°16 | 0♍45 | 3° 1 | 15°37 | 26°49 | 9°15 | 14°24 | 18°27 | 19°32 | 7° 7 | 6° 2 | 9°31 | 2°10 | W27 |
| T 28 | 20 52 15 | 11°47'50 | 26° 7 | 2°20 | 4°15 | 16°16 | 27° 2 | 9°16 | 14°25 | 18°25 | 19°32 | 6°58 | 5°59 | 9°38 | 2°13 | T 28 |
| F 29 | 20 56 11 | 12°45'30 | 7♎59 | 3°53 | 5°28 | 16°55 | 27°14 | 9°18 | 14°26 | 18°23 | 19°32 | 6°50 | 5°56 | 9°44 | 2°15 | F 29 |
| S 30 | 21 0 8 | 13°43'11 | 19°56 | 5°25 | 6°42 | 17°34 | 27°27 | 9°20 | 14°27 | 18°22 | 19°31 | 6°45 | 5°53 | 9°51 | 2°17 | S 30 |
| S 31 | 21 4 4 | 14♌40'52 | 2♏ 2 | 6♍55 | 7♍55 | 18♋13 | 27♌40 | 9♉22 | 14♉27 | 18♒20 | 19♈31 | 6♊43 | 5♊49 | 9♍58 | 2♊19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n34 | 4n38 | 4n51 | 24n13 | 1n 9 | 21n21 | 1n24 | 24n 9 | 0n38 | 15n17 | 0n57 | 11n57 | 2s21 | 15n41 | 0s22 | 15s34 | 0s26 | 8s 6 | 17s 3 | 21n50 | 21n37 | 13n53 | 17n15 | 3s13 | F 1 |
| S 2 | 22 27 | 0s33 | 4 21 | 24 8 | 1 16 | 21 5 | 1 25 | 24 10 | 0 38 | 15 13 | 0 57 | 11 58 | 2 21 | 15 41 | 0 22 | 15 34 | 0 26 | 8 7 | 17 3 | 21 50 | 21 37 | 13 51 | 17 15 | 3 13 | S 2 |
| S 3 | 22 20 | 5 48 | 3 40 | 24 1 | 1 22 | 20 49 | 1 26 | 24 10 | 0 39 | 15 9 | 0 57 | 11 59 | 2 22 | 15 42 | 0 22 | 15 35 | 0 26 | 8 7 | 17 3 | 21 50 | 21 36 | 13 48 | 17 16 | 3 14 | S 3 |
| M 4 | 22 12 | 10 56 | 2 48 | 23 51 | 1 28 | 20 32 | 1 27 | 24 11 | 0 39 | 15 5 | 0 57 | 12 1 | 2 22 | 15 42 | 0 22 | 15 35 | 0 26 | 8 7 | 17 4 | 21 50 | 21 36 | 13 46 | 17 16 | 3 14 | M 4 |
| T 5 | 22 4 | 15 45 | 1 46 | 23 39 | 1 33 | 20 14 | 1 28 | 24 11 | 0 40 | 15 2 | 0 56 | 12 2 | 2 22 | 15 43 | 0 22 | 15 36 | 0 26 | 8 7 | 17 4 | 21 50 | 21 35 | 13 43 | 17 17 | 3 14 | T 5 |
| W 6 | 21 55 | 19 59 | 0 37 | 23 24 | 1 38 | 19 56 | 1 28 | 24 11 | 0 40 | 14 58 | 0 56 | 12 3 | 2 22 | 15 43 | 0 22 | 15 36 | 0 26 | 8 8 | 17 4 | 21 50 | 21 35 | 13 41 | 17 17 | 3 14 | W 6 |
| T 7 | 21 46 | 23 19 | 0s36 | 23 6 | 1 41 | 19 38 | 1 29 | 24 11 | 0 41 | 14 54 | 0 56 | 12 4 | 2 22 | 15 44 | 0 22 | 15 37 | 0 26 | 8 8 | 17 5 | 21 50 | 21 34 | 13 38 | 17 18 | 3 15 | T 7 |
| F 8 | 21 37 | 25 20 | 1 49 | 22 46 | 1 44 | 19 18 | 1 29 | 24 11 | 0 42 | 14 50 | 0 56 | 12 5 | 2 23 | 15 44 | 0 22 | 15 37 | 0 26 | 8 8 | 17 5 | 21 50 | 21 34 | 13 36 | 17 18 | 3 15 | F 8 |
| S 9 | 21 27 | 25 45 | 2 57 | 22 24 | 1 46 | 18 59 | 1 30 | 24 10 | 0 42 | 14 46 | 0 56 | 12 6 | 2 23 | 15 45 | 0 22 | 15 38 | 0 26 | 8 9 | 17 5 | 21 50 | 21 33 | 13 33 | 17 19 | 3 15 | S 9 |
| S 10 | 21 17 | 24 23 | 3 56 | 22 0 | 1 47 | 18 39 | 1 30 | 24 9 | 0 43 | 14 42 | 0 56 | 12 7 | 2 23 | 15 45 | 0 22 | 15 38 | 0 26 | 8 9 | 17 6 | 21 49 | 21 33 | 13 31 | 17 19 | 3 15 | S 10 |
| M11 | 21 7 | 21 18 | 4 38 | 21 33 | 1 48 | 18 18 | 1 31 | 24 8 | 0 43 | 14 38 | 0 56 | 12 8 | 2 23 | 15 46 | 0 22 | 15 38 | 0 26 | 8 9 | 17 6 | 21 48 | 21 32 | 13 28 | 17 19 | 3 16 | M11 |
| T 12 | 20 56 | 16 48 | 5 2 | 21 5 | 1 48 | 17 57 | 1 31 | 24 7 | 0 44 | 14 34 | 0 56 | 12 9 | 2 24 | 15 46 | 0 22 | 15 39 | 0 26 | 8 9 | 17 6 | 21 47 | 21 32 | 13 26 | 17 20 | 3 16 | T 12 |
| W13 | 20 45 | 11 17 | 5 6 | 20 36 | 1 47 | 17 35 | 1 31 | 24 6 | 0 44 | 14 29 | 0 56 | 12 9 | 2 24 | 15 47 | 0 22 | 15 39 | 0 26 | 8 10 | 17 7 | 21 46 | 21 31 | 13 23 | 17 20 | 3 16 | W13 |
| T 14 | 20 34 | 5 14 | 4 49 | 20 5 | 1 46 | 17 13 | 1 31 | 24 5 | 0 45 | 14 25 | 0 56 | 12 10 | 2 24 | 15 47 | 0 22 | 15 40 | 0 26 | 8 10 | 17 7 | 21 45 | 21 31 | 13 20 | 17 20 | 3 17 | T 14 |
| F 15 | 20 22 | 1n 0 | 4 14 | 19 32 | 1 44 | 16 50 | 1 31 | 24 3 | 0 45 | 14 21 | 0 56 | 12 11 | 2 24 | 15 48 | 0 22 | 15 40 | 0 26 | 8 10 | 17 7 | 21 44 | 21 30 | 13 18 | 17 21 | 3 17 | F 15 |
| S 16 | 20 10 | 7 2 | 3 25 | 18 59 | 1 41 | 16 27 | 1 31 | 24 1 | 0 46 | 14 17 | 0 56 | 12 12 | 2 24 | 15 48 | 0 22 | 15 41 | 0 26 | 8 11 | 17 8 | 21 44 | 21 29 | 13 15 | 17 21 | 3 17 | S 16 |
| S 17 | 19 57 | 12 35 | 2 25 | 18 24 | 1 38 | 16 3 | 1 31 | 23 59 | 0 46 | 14 13 | 0 56 | 12 13 | 2 25 | 15 48 | 0 22 | 15 41 | 0 26 | 8 11 | 17 8 | 21 44 | 21 29 | 13 13 | 17 21 | 3 17 | S 17 |
| M18 | 19 44 | 17 25 | 1 18 | 17 48 | 1 35 | 15 39 | 1 31 | 23 57 | 0 47 | 14 9 | 0 56 | 12 13 | 2 25 | 15 49 | 0 22 | 15 42 | 0 26 | 8 11 | 17 8 | 21 44 | 21 28 | 13 10 | 17 22 | 3 18 | M18 |
| T 19 | 19 31 | 21 18 | 0 9 | 17 11 | 1 31 | 15 15 | 1 31 | 23 54 | 0 47 | 14 5 | 0 56 | 12 14 | 2 25 | 15 49 | 0 23 | 15 42 | 0 26 | 8 12 | 17 9 | 21 44 | 21 28 | 13 8 | 17 22 | 3 18 | T 19 |
| W20 | 19 18 | 24 3 | 0n59 | 16 34 | 1 27 | 14 50 | 1 30 | 23 51 | 0 48 | 14 0 | 0 56 | 12 15 | 2 25 | 15 50 | 0 23 | 15 43 | 0 26 | 8 12 | 17 9 | 21 44 | 21 27 | 13 5 | 17 22 | 3 18 | W20 |
| T 21 | 19 4 | 25 34 | 2 3 | 15 56 | 1 22 | 14 25 | 1 30 | 23 49 | 0 48 | 13 56 | 0 56 | 12 15 | 2 26 | 15 50 | 0 23 | 15 43 | 0 27 | 8 13 | 17 9 | 21 44 | 21 27 | 13 2 | 17 22 | 3 19 | T 21 |
| F 22 | 18 50 | 25 45 | 3 0 | 15 17 | 1 16 | 13 59 | 1 30 | 23 46 | 0 49 | 13 52 | 0 56 | 12 16 | 2 26 | 15 50 | 0 23 | 15 44 | 0 27 | 8 13 | 17 10 | 21 43 | 21 26 | 13 0 | 17 23 | 3 19 | F 22 |
| S 23 | 18 35 | 24 41 | 3 48 | 14 38 | 1 11 | 13 34 | 1 29 | 23 42 | 0 49 | 13 47 | 0 56 | 12 16 | 2 26 | 15 50 | 0 23 | 15 44 | 0 27 | 8 13 | 17 10 | 21 42 | 21 26 | 12 57 | 17 23 | 3 19 | S 23 |
| S 24 | 18 21 | 22 28 | 4 25 | 13 58 | 1 5 | 13 7 | 1 28 | 23 39 | 0 50 | 13 43 | 0 56 | 12 17 | 2 26 | 15 51 | 0 23 | 15 45 | 0 27 | 8 14 | 17 10 | 21 40 | 21 25 | 12 55 | 17 23 | 3 19 | S 24 |
| M25 | 18 6 | 19 17 | 4 50 | 13 18 | 0 58 | 12 41 | 1 28 | 23 35 | 0 51 | 13 39 | 0 56 | 12 17 | 2 27 | 15 51 | 0 23 | 15 45 | 0 27 | 8 14 | 17 11 | 21 38 | 21 25 | 12 52 | 17 23 | 3 20 | M25 |
| T 26 | 17 50 | 15 20 | 5 2 | 12 37 | 0 52 | 12 14 | 1 27 | 23 32 | 0 51 | 13 35 | 0 56 | 12 18 | 2 27 | 15 51 | 0 23 | 15 46 | 0 27 | 8 15 | 17 11 | 21 36 | 21 24 | 12 49 | 17 24 | 3 20 | T 26 |
| W27 | 17 35 | 10 50 | 5 0 | 11 57 | 0 45 | 11 46 | 1 26 | 23 28 | 0 52 | 13 30 | 0 56 | 12 18 | 2 27 | 15 52 | 0 23 | 15 46 | 0 27 | 8 15 | 17 11 | 21 35 | 21 23 | 12 47 | 17 24 | 3 20 | W27 |
| T 28 | 17 19 | 5 55 | 4 46 | 11 16 | 0 38 | 11 19 | 1 25 | 23 23 | 0 52 | 13 26 | 0 56 | 12 19 | 2 27 | 15 52 | 0 23 | 15 47 | 0 27 | 8 15 | 17 12 | 21 33 | 21 23 | 12 44 | 17 24 | 3 21 | T 28 |
| F 29 | 17 2 | 0 48 | 4 20 | 10 35 | 0 30 | 10 51 | 1 24 | 23 19 | 0 53 | 13 21 | 0 56 | 12 19 | 2 27 | 15 52 | 0 23 | 15 48 | 0 27 | 8 16 | 17 12 | 21 32 | 21 22 | 12 42 | 17 24 | 3 21 | F 29 |
| S 30 | 16 46 | 4s24 | 3 42 | 9 54 | 0 22 | 10 23 | 1 23 | 23 15 | 0 53 | 13 17 | 0 56 | 12 19 | 2 28 | 15 52 | 0 23 | 15 48 | 0 27 | 8 16 | 17 12 | 21 31 | 21 22 | 12 39 | 17 24 | 3 21 | S 30 |
| S 31 | 16n29 | 9s31 | 2n53 | 9n13 | 0n14 | 9n54 | 1n22 | 23n10 | 0n54 | 13n13 | 0n57 | 12n19 | 2s28 | 15n52 | 0s23 | 15s49 | 0s27 | 8s17 | 17s13 | 21n30 | 21n21 | 12n36 | 17n24 | 3s22 | S 31 |

Julian Day Number = 2214691.5, Delta T = 09m07s
Ecliptic obliquity = 23°31'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'41, Lahiri = 14°48'42 Julian Calendar 1 July 1351 == Greg. Calendar 9 July 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## AUGUST 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 8 1 | 15♌38'35 | 14♏22 | 8♍24 | 9♍ 8 | 18♋51 | 27♌53 | 9♉23 | 14♉28 | 18°R18 | 19°R31 | 6°D42 | 5♊46 | 10♍ 5 | 2♊21 | M 1 |
| T 2 | 21 11 58 | 16°36'19 | 27° 1 | 9°52 | 10°22 | 19°30 | 28° 6 | 9°24 | 14°29 | 18♒17 | 19♈30 | 6♊42 | 5°43 | 10°11 | 2°24 | T 2 |
| W 3 | 21 15 54 | 17°34'05 | 10♐ 3 | 11°17 | 11°35 | 20° 8 | 28°19 | 9°26 | 14°29 | 18°15 | 19°30 | 6°R42 | 5°40 | 10°18 | 2°26 | W 3 |
| T 4 | 21 19 51 | 18°31'51 | 23°32 | 12°41 | 12°48 | 20°47 | 28°32 | 9°27 | 14°30 | 18°14 | 19°29 | 6°41 | 5°37 | 10°25 | 2°28 | T 4 |
| F 5 | 21 23 47 | 19°29'39 | 7♑31 | 14° 4 | 14° 2 | 21°26 | 28°45 | 9°28 | 14°30 | 18°12 | 19°29 | 6°38 | 5°33 | 10°32 | 2°29 | F 5 |
| S 6 | 21 27 44 | 20°27'28 | 21°58 | 15°25 | 15°15 | 22° 4 | 28°58 | 9°29 | 14°30 | 18°10 | 19°28 | 6°32 | 5°30 | 10°38 | 2°31 | S 6 |
| S 7 | 21 31 40 | 21°25'18 | 6♒50 | 16°44 | 16°28 | 22°42 | 29°10 | 9°30 | 14°31 | 18° 9 | 19°28 | 6°24 | 5°27 | 10°45 | 2°33 | S 7 |
| M 8 | 21 35 37 | 22°23'10 | 22° 0 | 18° 1 | 17°42 | 23°21 | 29°23 | 9°31 | 14°31 | 18° 7 | 19°27 | 6°15 | 5°24 | 10°52 | 2°35 | M 8 |
| T 9 | 21 39 33 | 23°21'03 | 7♓17 | 19°17 | 18°55 | 23°59 | 29°36 | 9°31 | 14°31 | 18° 5 | 19°27 | 6° 4 | 5°21 | 10°58 | 2°36 | T 9 |
| W10 | 21 43 30 | 24°18'58 | 22°30 | 20°31 | 20° 8 | 24°38 | 29°49 | 9°32 | 14°31 | 18° 4 | 19°26 | 5°54 | 5°18 | 11° 5 | 2°38 | W10 |
| T 11 | 21 47 27 | 25°16'55 | 7♈29 | 21°43 | 21°21 | 25°16 | 0♍ 2 | 9°32 | 14°31 | 18° 2 | 19°26 | 5°46 | 5°14 | 11°12 | 2°39 | T 11 |
| F 12 | 21 51 23 | 26°14'53 | 22° 6 | 22°53 | 22°34 | 25°54 | 0°15 | 9°33 | 14°31 | 18° 1 | 19°25 | 5°40 | 5°11 | 11°19 | 2°41 | F 12 |
| S 13 | 21 55 20 | 27°12'53 | 6♉17 | 24° 0 | 23°48 | 26°32 | 0°28 | 9°33 | 14°R31 | 17°59 | 19°24 | 5°37 | 5° 8 | 11°25 | 2°42 | S 13 |
| S 14 | 21 59 16 | 28°10'56 | 20° 0 | 25° 6 | 25° 1 | 27°11 | 0°41 | 9°33 | 14°31 | 17°57 | 19°24 | 5°36 | 5° 5 | 11°32 | 2°44 | S 14 |
| M15 | 22 3 13 | 29° 9'00 | 3♊18 | 26° 9 | 26°14 | 27°49 | 0°54 | 9°R33 | 14°31 | 17°56 | 19°23 | 5°35 | 5° 2 | 11°39 | 2°45 | M15 |
| T 16 | 22 7 9 | 0♍ 7'07 | 16°13 | 27°10 | 27°27 | 28°27 | 1° 7 | 9°33 | 14°31 | 17°54 | 19°22 | 5°35 | 4°59 | 11°45 | 2°46 | T 16 |
| W17 | 22 11 6 | 1° 5'15 | 28°50 | 28° 9 | 28°40 | 29° 5 | 1°20 | 9°33 | 14°31 | 17°52 | 19°22 | 5°34 | 4°55 | 11°52 | 2°47 | W17 |
| T 18 | 22 15 2 | 2° 3'25 | 11♋13 | 29° 4 | 29°53 | 29°43 | 1°34 | 9°32 | 14°31 | 17°51 | 19°21 | 5°30 | 4°52 | 11°59 | 2°48 | T 18 |
| F 19 | 22 18 59 | 3° 1'38 | 23°25 | 29°57 | 1♎ 6 | 0♌21 | 1°47 | 9°32 | 14°30 | 17°49 | 19°20 | 5°23 | 4°49 | 12° 6 | 2°49 | F 19 |
| S 20 | 22 22 56 | 3°59'52 | 5♌29 | 0♎47 | 2°19 | 0°59 | 2° 0 | 9°31 | 14°30 | 17°48 | 19°19 | 5°14 | 4°46 | 12°12 | 2°50 | S 20 |
| S 21 | 22 26 52 | 4°58'08 | 17°27 | 1°33 | 3°33 | 1°37 | 2°13 | 9°31 | 14°30 | 17°46 | 19°19 | 5° 2 | 4°43 | 12°19 | 2°51 | S 21 |
| M22 | 22 30 49 | 5°56'26 | 29°22 | 2°16 | 4°46 | 2°15 | 2°26 | 9°30 | 14°29 | 17°45 | 19°18 | 4°48 | 4°39 | 12°26 | 2°52 | M22 |
| T 23 | 22 34 45 | 6°54'46 | 11♍14 | 2°55 | 5°59 | 2°53 | 2°39 | 9°29 | 14°29 | 17°43 | 19°17 | 4°34 | 4°36 | 12°33 | 2°52 | T 23 |
| W24 | 22 38 42 | 7°53'07 | 23° 6 | 3°30 | 7°12 | 3°30 | 2°52 | 9°28 | 14°28 | 17°42 | 19°16 | 4°20 | 4°33 | 12°39 | 2°53 | W24 |
| T 25 | 22 42 38 | 8°51'31 | 4♎58 | 4° 1 | 8°25 | 4° 8 | 3° 5 | 9°27 | 14°28 | 17°40 | 19°16 | 4° 7 | 4°30 | 12°46 | 2°54 | T 25 |
| F 26 | 22 46 35 | 9°49'56 | 16°53 | 4°27 | 9°38 | 4°46 | 3°18 | 9°26 | 14°27 | 17°39 | 19°15 | 3°58 | 4°27 | 12°53 | 2°54 | F 26 |
| S 27 | 22 50 31 | 10°48'23 | 28°52 | 4°48 | 10°51 | 5°24 | 3°31 | 9°24 | 14°26 | 17°37 | 19°14 | 3°51 | 4°24 | 12°59 | 2°55 | S 27 |
| S 28 | 22 54 28 | 11°46'51 | 11♏ 0 | 5° 4 | 12° 3 | 6° 1 | 3°44 | 9°23 | 14°26 | 17°36 | 19°13 | 3°47 | 4°20 | 13° 6 | 2°55 | S 28 |
| M29 | 22 58 25 | 12°45'22 | 23°20 | 5°14 | 13°16 | 6°39 | 3°57 | 9°22 | 14°25 | 17°34 | 19°12 | 3°45 | 4°17 | 13°13 | 2°55 | M29 |
| T 30 | 23 2 21 | 13°43'54 | 5♐56 | 5°R19 | 14°29 | 7°16 | 4° 9 | 9°20 | 14°24 | 17°33 | 19°11 | 3°D45 | 4°14 | 13°20 | 2°55 | T 30 |
| W31 | 23 6 18 | 14♍42'28 | 18♐53 | 5♎17 | 15♎42 | 7♌54 | 4♍22 | 9♉18 | 14♉23 | 17♒31 | 19♈10 | 3°R45 | 4♊11 | 13♍26 | 2♊56 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n12 | 14s22 | 1n56 | 8n33 | 0n 6 | 9n26 | 1n21 | 23n 5 | 0n54 | 13n 8 | 0n57 | 12n20 | 2s28 | 15n53 | 0s23 | 15s49 | 0s27 | 8s17 | 17s13 | 21n30 | 21n21 | 12n34 | 17n24 | 3s22 |
| T 2 | 15 55 | 18 44 | 0 51 | 7 52 | 0s 2 | 8 57 | 1 20 | 23 0 | 0 55 | 13 4 | 0 57 | 12 20 | 2 28 | 15 53 | 0 23 | 15 50 | 0 27 | 8 17 | 17 13 | 21 30 | 21 20 | 12 31 | 17 24 | 3 22 |
| W 3 | 15 37 | 22 20 | 0s18 | 7 12 | 0 11 | 8 27 | 1 19 | 22 55 | 0 55 | 12 59 | 0 57 | 12 20 | 2 29 | 15 53 | 0 23 | 15 50 | 0 27 | 8 18 | 17 14 | 21 30 | 21 20 | 12 28 | 17 25 | 3 23 |
| T 4 | 15 20 | 24 50 | 1 28 | 6 31 | 0 19 | 7 58 | 1 17 | 22 50 | 0 56 | 12 55 | 0 57 | 12 20 | 2 29 | 15 53 | 0 23 | 15 51 | 0 27 | 8 18 | 17 14 | 21 30 | 21 19 | 12 26 | 17 25 | 3 23 |
| F 5 | 15 2 | 25 54 | 2 35 | 5 52 | 0 28 | 7 28 | 1 16 | 22 44 | 0 56 | 12 50 | 0 57 | 12 20 | 2 29 | 15 53 | 0 23 | 15 51 | 0 27 | 8 19 | 17 14 | 21 30 | 21 18 | 12 23 | 17 25 | 3 23 |
| S 6 | 14 43 | 25 16 | 3 35 | 5 12 | 0 37 | 6 59 | 1 14 | 22 38 | 0 57 | 12 46 | 0 57 | 12 20 | 2 29 | 15 53 | 0 23 | 15 52 | 0 27 | 8 19 | 17 15 | 21 29 | 21 18 | 12 20 | 17 25 | 3 24 |
| S 7 | 14 25 | 22 51 | 4 22 | 4 33 | 0 46 | 6 29 | 1 13 | 22 33 | 0 57 | 12 41 | 0 57 | 12 20 | 2 30 | 15 53 | 0 23 | 15 52 | 0 27 | 8 20 | 17 15 | 21 27 | 21 17 | 12 18 | 17 25 | 3 24 |
| M 8 | 14 6 | 18 49 | 4 52 | 3 54 | 0 55 | 5 58 | 1 11 | 22 27 | 0 58 | 12 37 | 0 57 | 12 20 | 2 30 | 15 53 | 0 23 | 15 53 | 0 27 | 8 20 | 17 15 | 21 26 | 21 17 | 12 15 | 17 25 | 3 24 |
| T 9 | 13 47 | 13 31 | 5 1 | 3 16 | 1 5 | 5 28 | 1 10 | 22 20 | 0 58 | 12 32 | 0 57 | 12 20 | 2 30 | 15 53 | 0 23 | 15 53 | 0 27 | 8 21 | 17 16 | 21 24 | 21 16 | 12 12 | 17 25 | 3 25 |
| W10 | 13 28 | 7 24 | 4 48 | 2 38 | 1 14 | 4 58 | 1 8 | 22 14 | 0 59 | 12 28 | 0 57 | 12 20 | 2 30 | 15 53 | 0 23 | 15 54 | 0 27 | 8 21 | 17 16 | 21 22 | 21 16 | 12 10 | 17 25 | 3 25 |
| T 11 | 13 8 | 0 57 | 4 16 | 2 2 | 1 23 | 4 27 | 1 6 | 22 8 | 0 59 | 12 23 | 0 57 | 12 20 | 2 31 | 15 53 | 0 23 | 15 54 | 0 27 | 8 22 | 17 16 | 21 21 | 21 15 | 12 7 | 17 25 | 3 25 |
| F 12 | 12 49 | 5n25 | 3 28 | 1 25 | 1 33 | 3 56 | 1 4 | 22 1 | 1 0 | 12 18 | 0 57 | 12 20 | 2 31 | 15 53 | 0 23 | 15 55 | 0 27 | 8 22 | 17 16 | 21 20 | 21 14 | 12 4 | 17 25 | 3 26 |
| S 13 | 12 29 | 11 20 | 2 28 | 0 50 | 1 42 | 3 26 | 1 2 | 21 54 | 1 0 | 12 14 | 0 57 | 12 20 | 2 31 | 15 53 | 0 23 | 15 55 | 0 27 | 8 23 | 17 17 | 21 19 | 21 14 | 12 2 | 17 25 | 3 26 |
| S 14 | 12 9 | 16 30 | 1 21 | 0 15 | 1 51 | 2 55 | 1 0 | 21 47 | 1 1 | 12 9 | 0 57 | 12 20 | 2 31 | 15 53 | 0 23 | 15 56 | 0 27 | 8 23 | 17 17 | 21 19 | 21 13 | 11 59 | 17 24 | 3 26 |
| M15 | 11 49 | 20 42 | 0 12 | 0s19 | 2 1 | 2 24 | 0 58 | 21 40 | 1 1 | 12 5 | 0 57 | 12 20 | 2 32 | 15 53 | 0 23 | 15 56 | 0 27 | 8 24 | 17 17 | 21 19 | 21 13 | 11 56 | 17 24 | 3 27 |
| T 16 | 11 28 | 23 44 | 0n56 | 0 52 | 2 10 | 1 52 | 0 56 | 21 33 | 1 2 | 12 0 | 0 57 | 12 19 | 2 32 | 15 53 | 0 23 | 15 57 | 0 27 | 8 24 | 17 17 | 21 19 | 21 12 | 11 54 | 17 24 | 3 27 |
| W17 | 11 8 | 25 31 | 1 59 | 1 23 | 2 19 | 1 21 | 0 54 | 21 26 | 1 2 | 11 56 | 0 57 | 12 19 | 2 32 | 15 53 | 0 23 | 15 57 | 0 27 | 8 25 | 17 18 | 21 18 | 21 12 | 11 51 | 17 24 | 3 27 |
| T 18 | 10 47 | 25 58 | 2 56 | 1 54 | 2 28 | 0 50 | 0 52 | 21 18 | 1 3 | 11 51 | 0 57 | 12 19 | 2 32 | 15 53 | 0 23 | 15 58 | 0 27 | 8 25 | 17 18 | 21 18 | 21 11 | 11 48 | 17 24 | 3 28 |
| F 19 | 10 26 | 25 9 | 3 44 | 2 23 | 2 37 | 0 19 | 0 49 | 21 10 | 1 3 | 11 46 | 0 57 | 12 18 | 2 33 | 15 53 | 0 23 | 15 58 | 0 27 | 8 26 | 17 18 | 21 17 | 21 10 | 11 46 | 17 24 | 3 28 |
| S 20 | 10 5 | 23 10 | 4 21 | 2 51 | 2 46 | 0s12 | 0 47 | 21 3 | 1 4 | 11 42 | 0 57 | 12 18 | 2 33 | 15 53 | 0 23 | 15 59 | 0 27 | 8 26 | 17 18 | 21 15 | 21 10 | 11 43 | 17 24 | 3 28 |
| S 21 | 9 43 | 20 11 | 4 46 | 3 17 | 2 55 | 0 44 | 0 45 | 20 55 | 1 4 | 11 37 | 0 57 | 12 17 | 2 33 | 15 53 | 0 23 | 15 59 | 0 27 | 8 27 | 17 19 | 21 13 | 21 9 | 11 40 | 17 23 | 3 29 |
| M22 | 9 22 | 16 23 | 4 58 | 3 42 | 3 3 | 1 15 | 0 42 | 20 47 | 1 5 | 11 32 | 0 57 | 12 17 | 2 33 | 15 53 | 0 23 | 16 0 | 0 27 | 8 27 | 17 19 | 21 10 | 21 9 | 11 37 | 17 23 | 3 29 |
| T 23 | 9 0 | 11 57 | 4 57 | 4 5 | 3 11 | 1 46 | 0 40 | 20 38 | 1 5 | 11 28 | 0 57 | 12 17 | 2 33 | 15 53 | 0 23 | 16 0 | 0 27 | 8 28 | 17 19 | 21 8 | 21 8 | 11 35 | 17 23 | 3 29 |
| W24 | 8 39 | 7 5 | 4 44 | 4 26 | 3 19 | 2 18 | 0 37 | 20 30 | 1 5 | 11 23 | 0 58 | 12 16 | 2 34 | 15 52 | 0 23 | 16 1 | 0 27 | 8 28 | 17 19 | 21 5 | 21 8 | 11 32 | 17 23 | 3 30 |
| T 25 | 8 17 | 1 58 | 4 18 | 4 45 | 3 26 | 2 49 | 0 35 | 20 22 | 1 6 | 11 18 | 0 58 | 12 15 | 2 34 | 15 52 | 0 23 | 16 1 | 0 27 | 8 29 | 17 20 | 21 3 | 21 7 | 11 29 | 17 23 | 3 30 |
| F 26 | 7 55 | 3s16 | 3 40 | 5 2 | 3 33 | 3 20 | 0 32 | 20 13 | 1 6 | 11 14 | 0 58 | 12 15 | 2 34 | 15 52 | 0 23 | 16 2 | 0 27 | 8 29 | 17 20 | 21 1 | 21 6 | 11 27 | 17 22 | 3 30 |
| S 27 | 7 32 | 8 25 | 2 53 | 5 16 | 3 39 | 3 51 | 0 29 | 20 4 | 1 7 | 11 9 | 0 58 | 12 14 | 2 34 | 15 52 | 0 23 | 16 2 | 0 27 | 8 30 | 17 20 | 21 0 | 21 6 | 11 24 | 17 22 | 3 31 |
| S 28 | 7 10 | 13 20 | 1 57 | 5 28 | 3 45 | 4 23 | 0 27 | 19 55 | 1 7 | 11 4 | 0 58 | 12 14 | 2 35 | 15 52 | 0 23 | 16 2 | 0 27 | 8 30 | 17 20 | 20 59 | 21 5 | 11 21 | 17 22 | 3 31 |
| M29 | 6 48 | 17 47 | 0 55 | 5 36 | 3 50 | 4 54 | 0 24 | 19 46 | 1 8 | 11 0 | 0 58 | 12 13 | 2 35 | 15 51 | 0 23 | 16 3 | 0 27 | 8 31 | 17 21 | 20 59 | 21 5 | 11 18 | 17 22 | 3 31 |
| T 30 | 6 25 | 21 34 | 0s12 | 5 42 | 3 54 | 5 25 | 0 21 | 19 37 | 1 8 | 10 55 | 0 58 | 12 12 | 2 35 | 15 51 | 0 23 | 16 3 | 0 27 | 8 31 | 17 21 | 20 59 | 21 4 | 11 16 | 17 21 | 3 32 |
| W31 | 6n 3 | 24s22 | 1s19 | 5s44 | 3s57 | 5s55 | 0n18 | 19n28 | 1n 9 | 10n50 | 0n58 | 12n11 | 2s35 | 15n51 | 0s23 | 16s 4 | 0s27 | 8s32 | 17s21 | 20n59 | 21n 3 | 11n13 | 17n21 | 3s32 |

Julian Day Number = 2214722.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'46, Lahiri = 14°48'46 Julian Calendar 1 Aug. 1351 == Greg. Calendar 9 Aug. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## SEPTEMBER 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 10 14 | 15♍41'03 | 2♉15 | 5°R 8 | 16♎55 | 8♌31 | 4♍35 | 9°R17 | 14°R22 | 17°R30 | 19°R 9 | 3°R44 | 4♊ 8 | 13♍33 | 2♊56 | T 1 |
| F 2 | 23 14 11 | 16°39'40 | 16° 5 | 4♎52 | 18° 8 | 9° 9 | 4°48 | 9♉15 | 14♉21 | 17♒29 | 19♈ 9 | 3♊41 | 4° 5 | 13°40 | 2°R56 | F 2 |
| S 3 | 23 18 7 | 17°38'19 | 0♒24 | 4°30 | 19°21 | 9°46 | 5° 1 | 9°13 | 14°20 | 17°27 | 19° 8 | 3°36 | 4° 1 | 13°46 | 2°56 | S 3 |
| S 4 | 23 22 4 | 18°37'00 | 15°10 | 4° 0 | 20°33 | 10°24 | 5°14 | 9°11 | 14°19 | 17°26 | 19° 7 | 3°28 | 3°58 | 13°53 | 2°56 | S 4 |
| M 5 | 23 26 0 | 19°35'42 | 0♓18 | 3°23 | 21°46 | 11° 1 | 5°27 | 9° 8 | 14°18 | 17°24 | 19° 6 | 3°18 | 3°55 | 14° 0 | 2°55 | M 5 |
| T 6 | 23 29 57 | 20°34'26 | 15°37 | 2°39 | 22°59 | 11°38 | 5°40 | 9° 6 | 14°17 | 17°23 | 19° 5 | 3° 8 | 3°52 | 14° 7 | 2°55 | T 6 |
| W 7 | 23 33 54 | 21°33'12 | 0♈56 | 1°49 | 24°11 | 12°15 | 5°52 | 9° 4 | 14°16 | 17°22 | 19° 4 | 2°58 | 3°49 | 14°13 | 2°55 | W 7 |
| T 8 | 23 37 50 | 22°32'00 | 16° 5 | 0°53 | 25°24 | 12°53 | 6° 5 | 9° 1 | 14°14 | 17°21 | 19° 3 | 2°50 | 3°45 | 14°20 | 2°54 | T 8 |
| F 9 | 23 41 47 | 23°30'50 | 0♉53 | 29♍53 | 26°37 | 13°30 | 6°18 | 8°59 | 14°13 | 17°19 | 19° 2 | 2°44 | 3°42 | 14°27 | 2°54 | F 9 |
| S 10 | 23 45 43 | 24°29'43 | 15°14 | 28°48 | 27°49 | 14° 7 | 6°31 | 8°56 | 14°12 | 17°18 | 19° 1 | 2°40 | 3°39 | 14°34 | 2°53 | S 10 |
| S 11 | 23 49 40 | 25°28'38 | 29° 6 | 27°41 | 29° 2 | 14°44 | 6°43 | 8°53 | 14°10 | 17°17 | 19° 0 | 2°D39 | 3°36 | 14°40 | 2°53 | S 11 |
| M12 | 23 53 36 | 26°27'35 | 12♊30 | 26°34 | 0♏14 | 15°21 | 6°56 | 8°50 | 14° 9 | 17°16 | 18°59 | 2°39 | 3°33 | 14°47 | 2°52 | M12 |
| T 13 | 23 57 33 | 27°26'35 | 25°28 | 25°27 | 1°27 | 15°58 | 7° 9 | 8°47 | 14° 8 | 17°15 | 18°58 | 2°R40 | 3°30 | 14°54 | 2°51 | T 13 |
| W14 | 0 1 29 | 28°25'37 | 8♋ 5 | 24°23 | 2°39 | 16°35 | 7°21 | 8°44 | 14° 6 | 17°13 | 18°57 | 2°39 | 3°26 | 15° 0 | 2°50 | W14 |
| T 15 | 0 5 26 | 29°24'41 | 20°24 | 23°23 | 3°52 | 17°12 | 7°34 | 8°41 | 14° 5 | 17°12 | 18°55 | 2°37 | 3°23 | 15° 7 | 2°49 | T 15 |
| F 16 | 0 9 23 | 0♎23'48 | 2♌31 | 22°30 | 5° 4 | 17°49 | 7°46 | 8°38 | 14° 3 | 17°11 | 18°54 | 2°32 | 3°20 | 15°14 | 2°48 | F 16 |
| S 17 | 0 13 19 | 1°22'57 | 14°30 | 21°44 | 6°17 | 18°26 | 7°59 | 8°35 | 14° 1 | 17°10 | 18°53 | 2°25 | 3°17 | 15°21 | 2°47 | S 17 |
| S 18 | 0 17 16 | 2°22'08 | 26°24 | 21° 8 | 7°29 | 19° 3 | 8°11 | 8°31 | 14° 0 | 17° 9 | 18°52 | 2°16 | 3°14 | 15°27 | 2°46 | S 18 |
| M19 | 0 21 12 | 3°21'21 | 8♍16 | 20°40 | 8°41 | 19°39 | 8°23 | 8°28 | 13°58 | 17° 8 | 18°51 | 2° 5 | 3°11 | 15°34 | 2°45 | M19 |
| T 20 | 0 25 9 | 4°20'37 | 20° 7 | 20°24 | 9°54 | 20°16 | 8°36 | 8°24 | 13°56 | 17° 7 | 18°50 | 1°53 | 3° 7 | 15°41 | 2°44 | T 20 |
| W21 | 0 29 5 | 5°19'54 | 2♎ 1 | 20°D18 | 11° 6 | 20°53 | 8°48 | 8°21 | 13°54 | 17° 6 | 18°49 | 1°42 | 3° 4 | 15°47 | 2°43 | W21 |
| T 22 | 0 33 2 | 6°19'14 | 13°58 | 20°22 | 12°18 | 21°29 | 9° 0 | 8°17 | 13°53 | 17° 5 | 18°48 | 1°32 | 3° 1 | 15°54 | 2°41 | T 22 |
| F 23 | 0 36 58 | 7°18'36 | 26° 0 | 20°37 | 13°30 | 22° 6 | 9°13 | 8°13 | 13°51 | 17° 4 | 18°47 | 1°25 | 2°58 | 16° 1 | 2°40 | F 23 |
| S 24 | 0 40 55 | 8°18'00 | 8♏ 8 | 21° 3 | 14°43 | 22°43 | 9°25 | 8° 9 | 13°49 | 17° 3 | 18°46 | 1°19 | 2°55 | 16° 8 | 2°38 | S 24 |
| S 25 | 0 44 51 | 9°17'25 | 20°24 | 21°38 | 15°55 | 23°19 | 9°37 | 8° 5 | 13°47 | 17° 2 | 18°44 | 1°17 | 2°51 | 16°14 | 2°37 | S 25 |
| M26 | 0 48 48 | 10°16'53 | 2♐51 | 22°22 | 17° 7 | 23°56 | 9°49 | 8° 2 | 13°45 | 17° 2 | 18°43 | 1°D16 | 2°48 | 16°21 | 2°35 | M26 |
| T 27 | 0 52 45 | 11°16'22 | 15°32 | 23°14 | 18°19 | 24°32 | 10° 1 | 7°57 | 13°43 | 17° 1 | 18°42 | 1°17 | 2°45 | 16°28 | 2°33 | T 27 |
| W28 | 0 56 41 | 12°15'54 | 28°30 | 24°13 | 19°31 | 25° 8 | 10°13 | 7°53 | 13°41 | 17° 0 | 18°41 | 1°18 | 2°42 | 16°34 | 2°32 | W28 |
| T 29 | 1 0 38 | 13°15'27 | 11♑49 | 25°20 | 20°43 | 25°45 | 10°25 | 7°49 | 13°39 | 16°59 | 18°40 | 1°R19 | 2°39 | 16°41 | 2°30 | T 29 |
| F 30 | 1 4 34 | 14♎15'02 | 25♑31 | 26♍32 | 21♏55 | 26♌21 | 10♍37 | 7♉45 | 13♉37 | 16♒59 | 18♈39 | 1♊18 | 2♊36 | 16♍48 | 2♊28 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n40 | 25s55 | 2s25 | 5s42 | 3s59 | 6s26 | 0n15 | 19n19 | 1n 9 | 10n46 | 0n58 | 12n11 | 2s35 | 15n50 | 0s23 | 16s 4 | 0s27 | 8s32 | 17s21 | 20n58 | 21n 3 | 11n10 | 17n21 | 3s32 |
| F 2 | 5 17 | 25 56 | 3 24 | 5 37 | 4 0 | 6 57 | 0 12 | 19 9 | 1 10 | 10 41 | 0 58 | 12 10 | 2 36 | 15 50 | 0 23 | 16 5 | 0 27 | 8 33 | 17 21 | 20 58 | 21 2 | 11 7 | 17 20 | 3 33 |
| S 3 | 4 54 | 24 15 | 4 13 | 5 27 | 3 59 | 7 27 | 0 9 | 19 0 | 1 10 | 10 36 | 0 58 | 12 9 | 2 36 | 15 50 | 0 23 | 16 5 | 0 27 | 8 33 | 17 22 | 20 57 | 21 2 | 11 5 | 17 20 | 3 33 |
| S 4 | 4 31 | 20 54 | 4 46 | 5 13 | 3 57 | 7 57 | 0 6 | 18 50 | 1 11 | 10 32 | 0 58 | 12 8 | 2 36 | 15 50 | 0 23 | 16 6 | 0 27 | 8 34 | 17 22 | 20 55 | 21 1 | 11 2 | 17 20 | 3 34 |
| M 5 | 4 8 | 16 6 | 5 1 | 4 55 | 3 54 | 8 28 | 0 3 | 18 40 | 1 11 | 10 27 | 0 58 | 12 7 | 2 36 | 15 49 | 0 23 | 16 6 | 0 27 | 8 34 | 17 22 | 20 54 | 21 0 | 10 59 | 17 19 | 3 34 |
| T 6 | 3 45 | 10 13 | 4 54 | 4 33 | 3 48 | 8 58 | 0 0 | 18 30 | 1 12 | 10 22 | 0 58 | 12 6 | 2 37 | 15 49 | 0 23 | 16 6 | 0 27 | 8 35 | 17 22 | 20 52 | 21 0 | 10 56 | 17 19 | 3 34 |
| W 7 | 3 22 | 3 42 | 4 27 | 4 6 | 3 41 | 9 27 | 0s 3 | 18 20 | 1 12 | 10 18 | 0 59 | 12 5 | 2 37 | 15 49 | 0 23 | 16 7 | 0 27 | 8 35 | 17 22 | 20 50 | 20 59 | 10 54 | 17 18 | 3 35 |
| T 8 | 2 58 | 2n57 | 3 40 | 3 35 | 3 32 | 9 57 | 0 6 | 18 10 | 1 13 | 10 13 | 0 59 | 12 5 | 2 37 | 15 48 | 0 23 | 16 7 | 0 27 | 8 36 | 17 22 | 20 48 | 20 59 | 10 51 | 17 18 | 3 35 |
| F 9 | 2 35 | 9 19 | 2 40 | 3 1 | 3 21 | 10 26 | 0 9 | 18 0 | 1 13 | 10 9 | 0 59 | 12 4 | 2 37 | 15 48 | 0 23 | 16 8 | 0 27 | 8 36 | 17 23 | 20 47 | 20 58 | 10 48 | 17 18 | 3 35 |
| S 10 | 2 12 | 15 1 | 1 31 | 2 23 | 3 7 | 10 55 | 0 12 | 17 49 | 1 14 | 10 4 | 0 59 | 12 3 | 2 37 | 15 47 | 0 23 | 16 8 | 0 27 | 8 37 | 17 23 | 20 46 | 20 57 | 10 45 | 17 17 | 3 36 |
| S 11 | 1 48 | 19 43 | 0 19 | 1 43 | 2 53 | 11 24 | 0 15 | 17 39 | 1 14 | 9 59 | 0 59 | 12 1 | 2 37 | 15 47 | 0 23 | 16 8 | 0 27 | 8 37 | 17 23 | 20 46 | 20 57 | 10 43 | 17 17 | 3 36 |
| M12 | 1 25 | 23 14 | 0n52 | 1 1 | 2 36 | 11 53 | 0 18 | 17 29 | 1 14 | 9 55 | 0 59 | 12 0 | 2 38 | 15 46 | 0 23 | 16 9 | 0 27 | 8 38 | 17 23 | 20 46 | 20 56 | 10 40 | 17 16 | 3 36 |
| T 13 | 1 1 | 25 25 | 1 58 | 0 18 | 2 18 | 12 21 | 0 22 | 17 18 | 1 15 | 9 50 | 0 59 | 11 59 | 2 38 | 15 46 | 0 23 | 16 9 | 0 27 | 8 38 | 17 23 | 20 46 | 20 56 | 10 37 | 17 16 | 3 37 |
| W14 | 0 38 | 26 13 | 2 57 | 0n25 | 1 59 | 12 50 | 0 25 | 17 7 | 1 15 | 9 45 | 0 59 | 11 58 | 2 38 | 15 46 | 0 23 | 16 9 | 0 27 | 8 39 | 17 23 | 20 46 | 20 55 | 10 34 | 17 15 | 3 37 |
| T 15 | 0 14 | 25 41 | 3 46 | 1 7 | 1 39 | 13 17 | 0 28 | 16 56 | 1 16 | 9 41 | 0 59 | 11 57 | 2 38 | 15 45 | 0 23 | 16 10 | 0 27 | 8 39 | 17 23 | 20 45 | 20 54 | 10 31 | 17 15 | 3 37 |
| F 16 | 0s 9 | 23 56 | 4 23 | 1 47 | 1 19 | 13 45 | 0 31 | 16 45 | 1 16 | 9 36 | 0 59 | 11 56 | 2 38 | 15 45 | 0 23 | 16 10 | 0 27 | 8 40 | 17 23 | 20 45 | 20 54 | 10 29 | 17 14 | 3 38 |
| S 17 | 0 33 | 21 9 | 4 49 | 2 24 | 0 58 | 14 12 | 0 35 | 16 34 | 1 17 | 9 32 | 1 0 | 11 55 | 2 38 | 15 44 | 0 23 | 16 10 | 0 27 | 8 40 | 17 24 | 20 43 | 20 53 | 10 26 | 17 14 | 3 38 |
| S 18 | 0 57 | 17 29 | 5 2 | 2 57 | 0 38 | 14 39 | 0 38 | 16 23 | 1 17 | 9 27 | 1 0 | 11 53 | 2 39 | 15 44 | 0 23 | 16 11 | 0 27 | 8 41 | 17 24 | 20 41 | 20 53 | 10 23 | 17 13 | 3 38 |
| M19 | 1 20 | 13 10 | 5 2 | 3 25 | 0 19 | 15 6 | 0 41 | 16 12 | 1 18 | 9 23 | 1 0 | 11 52 | 2 39 | 15 43 | 0 23 | 16 11 | 0 27 | 8 41 | 17 24 | 20 39 | 20 52 | 10 20 | 17 13 | 3 39 |
| T 20 | 1 44 | 8 21 | 4 49 | 3 49 | 0n 0 | 15 32 | 0 44 | 16 1 | 1 18 | 9 18 | 1 0 | 11 51 | 2 39 | 15 43 | 0 23 | 16 11 | 0 27 | 8 42 | 17 24 | 20 37 | 20 51 | 10 17 | 17 12 | 3 39 |
| W21 | 2 8 | 3 13 | 4 23 | 4 8 | 0 18 | 15 58 | 0 48 | 15 50 | 1 19 | 9 13 | 1 0 | 11 50 | 2 39 | 15 42 | 0 23 | 16 12 | 0 27 | 8 42 | 17 24 | 20 35 | 20 51 | 10 15 | 17 11 | 3 39 |
| T 22 | 2 31 | 2s 4 | 3 45 | 4 21 | 0 34 | 16 23 | 0 51 | 15 38 | 1 19 | 9 9 | 1 0 | 11 48 | 2 39 | 15 42 | 0 23 | 16 12 | 0 27 | 8 43 | 17 24 | 20 33 | 20 50 | 10 12 | 17 11 | 3 40 |
| F 23 | 2 55 | 7 19 | 2 57 | 4 29 | 0 49 | 16 49 | 0 54 | 15 27 | 1 20 | 9 4 | 1 0 | 11 47 | 2 39 | 15 41 | 0 23 | 16 12 | 0 27 | 8 43 | 17 24 | 20 31 | 20 50 | 10 9 | 17 10 | 3 40 |
| S 24 | 3 18 | 12 22 | 2 1 | 4 31 | 1 3 | 17 13 | 0 57 | 15 15 | 1 20 | 9 0 | 1 0 | 11 46 | 2 39 | 15 40 | 0 23 | 16 12 | 0 27 | 8 44 | 17 24 | 20 30 | 20 49 | 10 6 | 17 10 | 3 40 |
| S 25 | 3 42 | 16 59 | 0 58 | 4 28 | 1 15 | 17 38 | 1 1 | 15 4 | 1 21 | 8 55 | 1 0 | 11 44 | 2 40 | 15 40 | 0 23 | 16 13 | 0 27 | 8 44 | 17 24 | 20 29 | 20 48 | 10 3 | 17 9 | 3 41 |
| M26 | 4 5 | 20 57 | 0s 9 | 4 21 | 1 25 | 18 1 | 1 4 | 14 52 | 1 21 | 8 51 | 1 1 | 11 43 | 2 40 | 15 39 | 0 23 | 16 13 | 0 27 | 8 45 | 17 24 | 20 29 | 20 48 | 10 1 | 17 8 | 3 41 |
| T 27 | 4 29 | 24 0 | 1 16 | 4 8 | 1 34 | 18 25 | 1 7 | 14 40 | 1 21 | 8 47 | 1 1 | 11 41 | 2 40 | 15 39 | 0 23 | 16 13 | 0 27 | 8 45 | 17 24 | 20 29 | 20 47 | 9 58 | 17 8 | 3 41 |
| W28 | 4 52 | 25 52 | 2 21 | 3 52 | 1 42 | 18 48 | 1 10 | 14 28 | 1 22 | 8 42 | 1 1 | 11 40 | 2 40 | 15 38 | 0 23 | 16 13 | 0 27 | 8 45 | 17 24 | 20 30 | 20 46 | 9 55 | 17 7 | 3 42 |
| T 29 | 5 15 | 26 20 | 3 21 | 3 31 | 1 48 | 19 10 | 1 13 | 14 17 | 1 22 | 8 38 | 1 1 | 11 39 | 2 40 | 15 37 | 0 23 | 16 14 | 0 27 | 8 46 | 17 24 | 20 30 | 20 46 | 9 52 | 17 6 | 3 42 |
| F 30 | 5s38 | 25s13 | 4s11 | 3n 7 | 1n53 | 19s32 | 1s16 | 14n 5 | 1n23 | 8n33 | 1n 1 | 11n37 | 2s40 | 15n37 | 0s23 | 16s14 | 0s27 | 8s46 | 17s24 | 20n30 | 20n45 | 9n49 | 17n 6 | 3s42 |

Julian Day Number = 2214753.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'50, Lahiri = 14°48'50 Julian Calendar 1 Sept. 1351 == Greg. Calendar 9 Sept. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## OCTOBER 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 8 31 | 15♎14'39 | 9♒37 | 27♍49 | 23♏ 7 | 26♑57 | 10♍49 | 7°R41 | 13°R35 | 16°R58 | 18°R38 | 1°R16 | 2♊32 | 16♍55 | 2°R26 | S 1 |
| S 2 | 1 12 27 | 16°14'17 | 24° 7 | 29°10 | 24°19 | 27°33 | 11° 0 | 7♉36 | 13♉33 | 16♒57 | 18♈37 | 1♊11 | 2°29 | 17° 1 | 2♊24 | S 2 |
| M 3 | 1 16 24 | 17°13'57 | 8♓56 | 0♎36 | 25°31 | 28° 9 | 11°12 | 7°32 | 13°31 | 16°57 | 18°35 | 1° 5 | 2°26 | 17° 8 | 2°22 | M 3 |
| T 4 | 1 20 20 | 18°13'39 | 24° 0 | 2° 4 | 26°42 | 28°45 | 11°24 | 7°28 | 13°28 | 16°56 | 18°34 | 0°59 | 2°23 | 17°15 | 2°20 | T 4 |
| W 5 | 1 24 17 | 19°13'22 | 9♈ 7 | 3°35 | 27°54 | 29°21 | 11°35 | 7°23 | 13°26 | 16°56 | 18°33 | 0°52 | 2°20 | 17°21 | 2°18 | W 5 |
| T 6 | 1 28 14 | 20°13'08 | 24° 9 | 5° 8 | 29° 6 | 29°57 | 11°47 | 7°19 | 13°24 | 16°55 | 18°32 | 0°47 | 2°16 | 17°28 | 2°15 | T 6 |
| F 7 | 1 32 10 | 21°12'56 | 8♉57 | 6°43 | 0♗17 | 0♍33 | 11°58 | 7°14 | 13°22 | 16°55 | 18°31 | 0°43 | 2°13 | 17°35 | 2°13 | F 7 |
| S 8 | 1 36 7 | 22°12'46 | 23°22 | 8°19 | 1°29 | 1° 9 | 12°10 | 7° 9 | 13°20 | 16°54 | 18°30 | 0°42 | 2°10 | 17°42 | 2°11 | S 8 |
| S 9 | 1 40 3 | 23°12'38 | 7♊21 | 9°57 | 2°40 | 1°45 | 12°21 | 7° 5 | 13°17 | 16°54 | 18°29 | 0°D42 | 2° 7 | 17°48 | 2° 8 | S 9 |
| M10 | 1 44 0 | 24°12'32 | 20°52 | 11°35 | 3°52 | 2°21 | 12°32 | 7° 0 | 13°15 | 16°53 | 18°27 | 0°43 | 2° 4 | 17°55 | 2° 6 | M10 |
| T 11 | 1 47 56 | 25°12'28 | 3♋57 | 13°14 | 5° 3 | 2°56 | 12°43 | 6°55 | 13°13 | 16°53 | 18°26 | 0°44 | 2° 1 | 18° 2 | 2° 3 | T 11 |
| W12 | 1 51 53 | 26°12'27 | 16°38 | 14°53 | 6°15 | 3°32 | 12°54 | 6°51 | 13°10 | 16°52 | 18°25 | 0°46 | 1°57 | 18° 9 | 2° 1 | W12 |
| T 13 | 1 55 49 | 27°12'28 | 29° 1 | 16°32 | 7°26 | 4° 8 | 13° 5 | 6°46 | 13° 8 | 16°52 | 18°24 | 0°R46 | 1°54 | 18°15 | 1°58 | T 13 |
| F 14 | 1 59 46 | 28°12'31 | 11♌ 9 | 18°12 | 8°37 | 4°43 | 13°16 | 6°41 | 13° 6 | 16°52 | 18°23 | 0°45 | 1°51 | 18°22 | 1°56 | F 14 |
| S 15 | 2 3 43 | 29°12'36 | 23° 7 | 19°52 | 9°49 | 5°19 | 13°27 | 6°36 | 13° 3 | 16°52 | 18°22 | 0°43 | 1°48 | 18°29 | 1°53 | S 15 |
| S 16 | 2 7 39 | 0♏12'43 | 5♍ 0 | 21°31 | 11° 0 | 5°54 | 13°38 | 6°31 | 13° 1 | 16°51 | 18°21 | 0°39 | 1°45 | 18°35 | 1°50 | S 16 |
| M17 | 2 11 36 | 1°12'52 | 16°51 | 23°11 | 12°11 | 6°30 | 13°49 | 6°27 | 12°58 | 16°51 | 18°19 | 0°34 | 1°42 | 18°42 | 1°47 | M17 |
| T 18 | 2 15 32 | 2°13'04 | 28°44 | 24°50 | 13°22 | 7° 5 | 13°59 | 6°22 | 12°56 | 16°51 | 18°18 | 0°29 | 1°38 | 18°49 | 1°44 | T 18 |
| W19 | 2 19 29 | 3°13'17 | 10♎41 | 26°29 | 14°33 | 7°40 | 14°10 | 6°17 | 12°53 | 16°51 | 18°17 | 0°24 | 1°35 | 18°56 | 1°42 | W19 |
| T 20 | 2 23 25 | 4°13'32 | 22°46 | 28° 8 | 15°44 | 8°15 | 14°20 | 6°12 | 12°51 | 16°51 | 18°16 | 0°19 | 1°32 | 19° 2 | 1°39 | T 20 |
| F 21 | 2 27 22 | 5°13'49 | 4♏58 | 29°46 | 16°55 | 8°51 | 14°31 | 6° 7 | 12°48 | 16°51 | 18°15 | 0°16 | 1°29 | 19° 9 | 1°36 | F 21 |
| S 22 | 2 31 18 | 6°14'08 | 17°20 | 1♏24 | 18° 5 | 9°26 | 14°41 | 6° 2 | 12°46 | 16°D51 | 18°14 | 0°14 | 1°26 | 19°16 | 1°33 | S 22 |
| S 23 | 2 35 15 | 7°14'29 | 29°52 | 3° 2 | 19°16 | 10° 1 | 14°51 | 5°57 | 12°44 | 16°51 | 18°13 | 0°D13 | 1°22 | 19°22 | 1°30 | S 23 |
| M24 | 2 39 12 | 8°14'51 | 12♐36 | 4°39 | 20°27 | 10°36 | 15° 1 | 5°52 | 12°41 | 16°51 | 18°12 | 0°14 | 1°19 | 19°29 | 1°27 | M24 |
| T 25 | 2 43 8 | 9°15'15 | 25°33 | 6°16 | 21°37 | 11°11 | 15°11 | 5°48 | 12°39 | 16°51 | 18°11 | 0°15 | 1°16 | 19°36 | 1°23 | T 25 |
| W26 | 2 47 5 | 10°15'40 | 8♑43 | 7°53 | 22°48 | 11°45 | 15°21 | 5°43 | 12°36 | 16°51 | 18°10 | 0°17 | 1°13 | 19°43 | 1°20 | W26 |
| T 27 | 2 51 1 | 11°16'07 | 22° 9 | 9°30 | 23°58 | 12°20 | 15°31 | 5°38 | 12°34 | 16°51 | 18° 9 | 0°18 | 1°10 | 19°49 | 1°17 | T 27 |
| F 28 | 2 54 58 | 12°16'35 | 5♒50 | 11° 6 | 25° 9 | 12°55 | 15°40 | 5°33 | 12°31 | 16°52 | 18° 8 | 0°R19 | 1° 7 | 19°56 | 1°14 | F 28 |
| S 29 | 2 58 54 | 13°17'05 | 19°49 | 12°42 | 26°19 | 13°30 | 15°50 | 5°28 | 12°29 | 16°52 | 18° 7 | 0°19 | 1° 3 | 20° 3 | 1°11 | S 29 |
| S 30 | 3 2 51 | 14°17'35 | 4♓ 3 | 14°17 | 27°29 | 14° 4 | 16° 0 | 5°23 | 12°26 | 16°52 | 18° 6 | 0°18 | 1° 0 | 20° 9 | 1° 7 | S 30 |
| M31 | 3 6 47 | 15♏18'07 | 18♓30 | 15♏53 | 28♗39 | 14♍39 | 16♍ 9 | 5♉19 | 12♉24 | 16♒53 | 18♈ 5 | 0♊17 | 0♊57 | 20♍16 | 1♊ 4 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 6s 1 | 22s31 | 4s47 | 2n40 | 1n57 | 19s54 | 1s20 | 13n53 | 1n23 | 8n29 | 1n 1 | 11n36 | 2s40 | 15n36 | 0s23 | 16s14 | 0s27 | 8s47 | 17s24 | 20n29 | 20n45 | 9n46 | 17n 5 | 3s43 | S 1 |
| S 2 | 6 25 | 18 20 | 5 6 | 2 10 | 2 0 | 20 15 | 1 23 | 13 40 | 1 24 | 8 25 | 1 1 | 11 34 | 2 40 | 15 36 | 0 23 | 16 14 | 0 27 | 8 47 | 17 24 | 20 28 | 20 44 | 9 43 | 17 4 | 3 43 | S 2 |
| M 3 | 6 47 | 12 58 | 5 6 | 1 37 | 2 2 | 20 36 | 1 26 | 13 28 | 1 24 | 8 20 | 1 2 | 11 33 | 2 40 | 15 35 | 0 23 | 16 14 | 0 27 | 8 48 | 17 24 | 20 27 | 20 43 | 9 41 | 17 4 | 3 43 | M 3 |
| T 4 | 7 10 | 6 44 | 4 44 | 1 3 | 2 2 | 20 56 | 1 29 | 13 16 | 1 25 | 8 16 | 1 2 | 11 31 | 2 40 | 15 34 | 0 23 | 16 15 | 0 27 | 8 48 | 17 24 | 20 26 | 20 43 | 9 38 | 17 3 | 3 43 | T 4 |
| W 5 | 7 33 | 0 6 | 4 3 | 0 26 | 2 2 | 21 15 | 1 32 | 13 4 | 1 25 | 8 12 | 1 2 | 11 30 | 2 41 | 15 34 | 0 23 | 16 15 | 0 27 | 8 48 | 17 24 | 20 24 | 20 42 | 9 35 | 17 2 | 3 44 | W 5 |
| T 6 | 7 56 | 6n32 | 3 5 | 0s12 | 2 1 | 21 34 | 1 35 | 12 52 | 1 26 | 8 7 | 1 2 | 11 28 | 2 41 | 15 33 | 0 23 | 16 15 | 0 27 | 8 49 | 17 24 | 20 23 | 20 41 | 9 32 | 17 2 | 3 44 | T 6 |
| F 7 | 8 18 | 12 43 | 1 55 | 0 51 | 2 0 | 21 52 | 1 38 | 12 39 | 1 26 | 8 3 | 1 2 | 11 27 | 2 41 | 15 32 | 0 23 | 16 15 | 0 27 | 8 49 | 17 24 | 20 22 | 20 41 | 9 29 | 17 1 | 3 44 | F 7 |
| S 8 | 8 41 | 18 2 | 0 40 | 1 31 | 1 57 | 22 10 | 1 41 | 12 27 | 1 26 | 7 59 | 1 2 | 11 25 | 2 41 | 15 32 | 0 23 | 16 15 | 0 27 | 8 50 | 17 24 | 20 22 | 20 40 | 9 26 | 17 0 | 3 45 | S 8 |
| S 9 | 9 3 | 22 12 | 0n36 | 2 12 | 1 54 | 22 28 | 1 43 | 12 15 | 1 27 | 7 55 | 1 2 | 11 24 | 2 41 | 15 31 | 0 23 | 16 15 | 0 27 | 8 50 | 17 24 | 20 22 | 20 40 | 9 23 | 16 59 | 3 45 | S 9 |
| M10 | 9 25 | 25 0 | 1 48 | 2 54 | 1 51 | 22 44 | 1 46 | 12 2 | 1 27 | 7 51 | 1 3 | 11 22 | 2 41 | 15 30 | 0 23 | 16 15 | 0 27 | 8 50 | 17 24 | 20 22 | 20 39 | 9 21 | 16 59 | 3 45 | M10 |
| T 11 | 9 47 | 26 19 | 2 51 | 3 36 | 1 47 | 23 0 | 1 49 | 11 50 | 1 28 | 7 46 | 1 3 | 11 20 | 2 41 | 15 30 | 0 23 | 16 16 | 0 27 | 8 51 | 17 24 | 20 23 | 20 38 | 9 18 | 16 58 | 3 45 | T 11 |
| W12 | 10 9 | 26 12 | 3 44 | 4 18 | 1 43 | 23 16 | 1 52 | 11 37 | 1 28 | 7 42 | 1 3 | 11 19 | 2 41 | 15 29 | 0 23 | 16 16 | 0 27 | 8 51 | 17 24 | 20 23 | 20 38 | 9 15 | 16 57 | 3 46 | W12 |
| T 13 | 10 31 | 24 46 | 4 26 | 5 1 | 1 38 | 23 30 | 1 54 | 11 24 | 1 29 | 7 38 | 1 3 | 11 17 | 2 41 | 15 28 | 0 23 | 16 16 | 0 27 | 8 51 | 17 24 | 20 23 | 20 37 | 9 12 | 16 56 | 3 46 | T 13 |
| F 14 | 10 52 | 22 12 | 4 54 | 5 44 | 1 33 | 23 45 | 1 57 | 11 12 | 1 29 | 7 34 | 1 3 | 11 16 | 2 41 | 15 27 | 0 23 | 16 16 | 0 27 | 8 52 | 17 24 | 20 23 | 20 36 | 9 9 | 16 55 | 3 46 | F 14 |
| S 15 | 11 14 | 18 43 | 5 9 | 6 26 | 1 28 | 23 58 | 1 59 | 10 59 | 1 30 | 7 30 | 1 3 | 11 14 | 2 41 | 15 27 | 0 23 | 16 16 | 0 27 | 8 52 | 17 24 | 20 22 | 20 36 | 9 6 | 16 55 | 3 47 | S 15 |
| S 16 | 11 35 | 14 32 | 5 11 | 7 9 | 1 22 | 24 11 | 2 2 | 10 46 | 1 30 | 7 26 | 1 4 | 11 13 | 2 41 | 15 26 | 0 23 | 16 16 | 0 27 | 8 52 | 17 24 | 20 22 | 20 35 | 9 3 | 16 54 | 3 47 | S 16 |
| M17 | 11 56 | 9 48 | 5 0 | 7 51 | 1 16 | 24 23 | 2 4 | 10 34 | 1 31 | 7 22 | 1 4 | 11 11 | 2 41 | 15 25 | 0 23 | 16 16 | 0 27 | 8 53 | 17 24 | 20 21 | 20 34 | 9 0 | 16 53 | 3 47 | M17 |
| T 18 | 12 17 | 4 43 | 4 35 | 8 34 | 1 10 | 24 35 | 2 7 | 10 21 | 1 31 | 7 18 | 1 4 | 11 9 | 2 41 | 15 24 | 0 23 | 16 16 | 0 27 | 8 53 | 17 24 | 20 19 | 20 34 | 8 58 | 16 52 | 3 47 | T 18 |
| W19 | 12 38 | 0s35 | 3 59 | 9 15 | 1 4 | 24 46 | 2 9 | 10 8 | 1 32 | 7 14 | 1 4 | 11 8 | 2 41 | 15 24 | 0 23 | 16 16 | 0 27 | 8 53 | 17 24 | 20 18 | 20 33 | 8 55 | 16 51 | 3 48 | W19 |
| T 20 | 12 58 | 5 55 | 3 11 | 9 57 | 0 58 | 24 56 | 2 11 | 9 55 | 1 32 | 7 10 | 1 4 | 11 6 | 2 41 | 15 23 | 0 23 | 16 16 | 0 27 | 8 54 | 17 23 | 20 17 | 20 32 | 8 52 | 16 51 | 3 48 | T 20 |
| F 21 | 13 19 | 11 7 | 2 14 | 10 38 | 0 51 | 25 6 | 2 13 | 9 43 | 1 32 | 7 7 | 1 4 | 11 5 | 2 41 | 15 22 | 0 23 | 16 16 | 0 27 | 8 54 | 17 23 | 20 17 | 20 32 | 8 49 | 16 50 | 3 48 | F 21 |
| S 22 | 13 39 | 15 57 | 1 10 | 11 18 | 0 45 | 25 14 | 2 16 | 9 30 | 1 33 | 7 3 | 1 5 | 11 3 | 2 41 | 15 22 | 0 23 | 16 16 | 0 27 | 8 54 | 17 23 | 20 16 | 20 31 | 8 46 | 16 49 | 3 48 | S 22 |
| S 23 | 13 59 | 20 10 | 0 2 | 11 58 | 0 38 | 25 22 | 2 18 | 9 17 | 1 33 | 6 59 | 1 5 | 11 2 | 2 41 | 15 21 | 0 23 | 16 16 | 0 27 | 8 55 | 17 23 | 20 16 | 20 31 | 8 43 | 16 48 | 3 48 | S 23 |
| M24 | 14 18 | 23 30 | 1s 8 | 12 37 | 0 32 | 25 30 | 2 20 | 9 4 | 1 34 | 6 55 | 1 5 | 11 0 | 2 41 | 15 20 | 0 23 | 16 16 | 0 27 | 8 55 | 17 23 | 20 16 | 20 30 | 8 40 | 16 47 | 3 49 | M24 |
| T 25 | 14 38 | 25 42 | 2 15 | 13 16 | 0 25 | 25 37 | 2 21 | 8 51 | 1 34 | 6 52 | 1 5 | 10 58 | 2 41 | 15 19 | 0 23 | 16 16 | 0 27 | 8 55 | 17 23 | 20 17 | 20 29 | 8 37 | 16 47 | 3 49 | T 25 |
| W26 | 14 57 | 26 30 | 3 17 | 13 54 | 0 18 | 25 43 | 2 23 | 8 38 | 1 35 | 6 48 | 1 5 | 10 57 | 2 41 | 15 18 | 0 23 | 16 16 | 0 27 | 8 55 | 17 23 | 20 17 | 20 29 | 8 34 | 16 46 | 3 49 | W26 |
| T 27 | 15 16 | 25 47 | 4 9 | 14 31 | 0 12 | 25 48 | 2 25 | 8 25 | 1 35 | 6 44 | 1 6 | 10 55 | 2 40 | 15 18 | 0 23 | 16 16 | 0 27 | 8 56 | 17 22 | 20 17 | 20 28 | 8 31 | 16 45 | 3 49 | T 27 |
| F 28 | 15 35 | 23 31 | 4 48 | 15 8 | 0 5 | 25 53 | 2 27 | 8 12 | 1 36 | 6 41 | 1 6 | 10 54 | 2 40 | 15 17 | 0 23 | 16 16 | 0 27 | 8 56 | 17 22 | 20 17 | 20 27 | 8 29 | 16 44 | 3 50 | F 28 |
| S 29 | 15 53 | 19 50 | 5 11 | 15 44 | 0s 2 | 25 56 | 2 28 | 7 59 | 1 36 | 6 37 | 1 6 | 10 52 | 2 40 | 15 16 | 0 23 | 16 16 | 0 27 | 8 56 | 17 22 | 20 17 | 20 27 | 8 26 | 16 43 | 3 50 | S 29 |
| S 30 | 16 11 | 14 57 | 5 15 | 16 19 | 0 8 | 25 59 | 2 29 | 7 46 | 1 37 | 6 34 | 1 6 | 10 51 | 2 40 | 15 15 | 0 23 | 16 16 | 0 27 | 8 56 | 17 22 | 20 17 | 20 26 | 8 23 | 16 42 | 3 50 | S 30 |
| M31 | 16s29 | 9s 9 | 5s 0 | 16s53 | 0s15 | 26s 2 | 2s31 | 7n33 | 1n37 | 6n30 | 1n 6 | 10n49 | 2s40 | 15n15 | 0s23 | 16s16 | 0s27 | 8s56 | 17s22 | 20n17 | 20n25 | 8n20 | 16n41 | 3s50 | M31 |

Julian Day Number = 2214783.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'54, Lahiri = 14°48'54 Julian Calendar 1 Oct. 1351 == Greg. Calendar 9 Oct. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## NOVEMBER 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 10 44 | 16♏18'40 | 3♈ 8 | 17♏28 | 29♐49 | 15♍13 | 16♍18 | 5°R14 | 12°R21 | 16♒53 | 18°R 4 | 0°R15 | 0♊54 | 20♍23 | 1°R 1 | T 1 |
| W 2 | 3 14 41 | 17°19'15 | 17°49 | 19° 3 | 0♑59 | 15°47 | 16°27 | 5♉ 9 | 12♉19 | 16°53 | 18♈ 3 | 0♊13 | 0°51 | 20°30 | 0♊57 | W 2 |
| T 3 | 3 18 37 | 18°19'50 | 2♉29 | 20°37 | 2° 8 | 16°22 | 16°36 | 5° 4 | 12°16 | 16°54 | 18° 2 | 0°12 | 0°48 | 20°36 | 0°54 | T 3 |
| F 4 | 3 22 34 | 19°20'28 | 16°59 | 22°12 | 3°18 | 16°56 | 16°45 | 5° 0 | 12°14 | 16°54 | 18° 1 | 0°11 | 0°44 | 20°43 | 0°51 | F 4 |
| S 5 | 3 26 30 | 20°21'06 | 1♊13 | 23°46 | 4°28 | 17°30 | 16°54 | 4°55 | 12°11 | 16°55 | 18° 0 | 0°D11 | 0°41 | 20°50 | 0°47 | S 5 |
| S 6 | 3 30 27 | 21°21'47 | 15° 8 | 25°20 | 5°37 | 18° 4 | 17° 3 | 4°50 | 12° 9 | 16°55 | 17°59 | 0°11 | 0°38 | 20°56 | 0°44 | S 6 |
| M 7 | 3 34 23 | 22°22'28 | 28°40 | 26°54 | 6°46 | 18°38 | 17°11 | 4°46 | 12° 6 | 16°56 | 17°58 | 0°11 | 0°35 | 21° 3 | 0°40 | M 7 |
| T 8 | 3 38 20 | 23°23'12 | 11♋49 | 28°27 | 7°55 | 19°12 | 17°20 | 4°41 | 12° 4 | 16°56 | 17°57 | 0°12 | 0°32 | 21°10 | 0°37 | T 8 |
| W 9 | 3 42 16 | 24°23'57 | 24°35 | 0♐ 1 | 9° 4 | 19°46 | 17°28 | 4°37 | 12° 1 | 16°57 | 17°56 | 0°13 | 0°28 | 21°17 | 0°34 | W 9 |
| T 10 | 3 46 13 | 25°24'43 | 7♌ 2 | 1°35 | 10°13 | 20°20 | 17°36 | 4°33 | 11°59 | 16°57 | 17°55 | 0°13 | 0°25 | 21°23 | 0°30 | T 10 |
| F 11 | 3 50 10 | 26°25'31 | 19°14 | 3° 8 | 11°22 | 20°53 | 17°44 | 4°28 | 11°56 | 16°58 | 17°54 | 0°14 | 0°22 | 21°30 | 0°27 | F 11 |
| S 12 | 3 54 6 | 27°26'20 | 1♍14 | 4°41 | 12°31 | 21°27 | 17°52 | 4°24 | 11°54 | 16°59 | 17°54 | 0°R14 | 0°19 | 21°37 | 0°23 | S 12 |
| S 13 | 3 58 3 | 28°27'11 | 13° 7 | 6°14 | 13°39 | 22° 0 | 18° 0 | 4°20 | 11°52 | 17° 0 | 17°53 | 0°14 | 0°16 | 21°43 | 0°20 | S 13 |
| M14 | 4 1 59 | 29°28'03 | 24°59 | 7°47 | 14°47 | 22°34 | 18° 8 | 4°15 | 11°49 | 17° 0 | 17°52 | 0°13 | 0°13 | 21°50 | 0°16 | M14 |
| T 15 | 4 5 56 | 0♐28'57 | 6♎53 | 9°21 | 15°55 | 23° 7 | 18°15 | 4°11 | 11°47 | 17° 1 | 17°51 | 0°D13 | 0° 9 | 21°57 | 0°13 | T 15 |
| W16 | 4 9 52 | 1°29'52 | 18°53 | 10°54 | 17° 3 | 23°40 | 18°23 | 4° 7 | 11°45 | 17° 2 | 17°50 | 0°14 | 0° 6 | 22° 4 | 0° 9 | W16 |
| T 17 | 4 13 49 | 2°30'48 | 1♏ 4 | 12°26 | 18°11 | 24°14 | 18°30 | 4° 3 | 11°42 | 17° 3 | 17°50 | 0°14 | 0° 3 | 22°10 | 0° 6 | T 17 |
| F 18 | 4 17 45 | 3°31'46 | 13°26 | 13°59 | 19°19 | 24°47 | 18°37 | 3°59 | 11°40 | 17° 4 | 17°49 | 0°14 | 29♉59 | 22°17 | 0° 2 | F 18 |
| S 19 | 4 21 42 | 4°32'45 | 26° 3 | 15°32 | 20°27 | 25°20 | 18°44 | 3°56 | 11°38 | 17° 5 | 17°48 | 0°R14 | 29°57 | 22°24 | 29♉59 | S 19 |
| S 20 | 4 25 39 | 5°33'44 | 8♐56 | 17° 5 | 21°34 | 25°53 | 18°51 | 3°52 | 11°36 | 17° 6 | 17°47 | 0°14 | 29°54 | 22°30 | 29°55 | S 20 |
| M21 | 4 29 35 | 6°34'45 | 22° 3 | 18°37 | 22°41 | 26°25 | 18°58 | 3°48 | 11°33 | 17° 7 | 17°47 | 0°14 | 29°50 | 22°37 | 29°52 | M21 |
| T 22 | 4 33 32 | 7°35'47 | 5♑24 | 20°10 | 23°48 | 26°58 | 19° 4 | 3°44 | 11°31 | 17° 8 | 17°46 | 0°13 | 29°47 | 22°44 | 29°48 | T 22 |
| W23 | 4 37 28 | 8°36'49 | 18°59 | 21°42 | 24°55 | 27°31 | 19°11 | 3°41 | 11°29 | 17° 9 | 17°45 | 0°12 | 29°44 | 22°51 | 29°45 | W23 |
| T 24 | 4 41 25 | 9°37'52 | 2♒44 | 23°14 | 26° 1 | 28° 3 | 19°17 | 3°37 | 11°27 | 17°10 | 17°45 | 0°11 | 29°41 | 22°57 | 29°41 | T 24 |
| F 25 | 4 45 21 | 10°38'56 | 16°40 | 24°45 | 27° 8 | 28°35 | 19°23 | 3°34 | 11°25 | 17°11 | 17°44 | 0°10 | 29°38 | 23° 4 | 29°38 | F 25 |
| S 26 | 4 49 18 | 11°40'00 | 0♓42 | 26°17 | 28°14 | 29° 8 | 19°29 | 3°31 | 11°23 | 17°12 | 17°43 | 0° 9 | 29°34 | 23°11 | 29°35 | S 26 |
| S 27 | 4 53 14 | 12°41'04 | 14°51 | 27°48 | 29°20 | 29°40 | 19°35 | 3°27 | 11°21 | 17°14 | 17°43 | 0°D 9 | 29°31 | 23°17 | 29°31 | S 27 |
| M28 | 4 57 11 | 13°42'09 | 29° 3 | 29°18 | 0♒25 | 0♎12 | 19°41 | 3°24 | 11°19 | 17°15 | 17°42 | 0° 9 | 29°28 | 23°24 | 29°28 | M28 |
| T 29 | 5 1 8 | 14°43'14 | 13♈17 | 0♑48 | 1°31 | 0°44 | 19°46 | 3°21 | 11°17 | 17°16 | 17°42 | 0°10 | 29°25 | 23°31 | 29°24 | T 29 |
| W30 | 5 5 4 | 15♐44'19 | 27♈30 | 2♑17 | 2♒36 | 1♎16 | 19♍52 | 3♉18 | 11♉15 | 17♒17 | 17♈41 | 0♊11 | 29♉22 | 23♍38 | 29♉21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16s47 | 2s49 | 4s26 | 17s27 | 0s22 | 26s 4 | 2s32 | 7n21 | 1n37 | 6n27 | 1n 7 | 10n48 | 2s40 | 15n14 | 0s23 | 16s15 | 0s27 | 8s57 | 17s22 | 20n17 | 20n25 | 8n17 | 16n41 | 3s50 | T 1 |
| W 2 | 17 4 | 3n44 | 3 33 | 18 0 | 0 28 | 26 4 | 2 33 | 7 8 | 1 38 | 6 23 | 1 7 | 10 46 | 2 40 | 15 13 | 0 23 | 16 15 | 0 27 | 8 57 | 17 21 | 20 16 | 20 24 | 8 14 | 16 40 | 3 51 | W 2 |
| T 3 | 17 21 | 10 4 | 2 27 | 18 32 | 0 35 | 26 5 | 2 34 | 6 55 | 1 38 | 6 20 | 1 7 | 10 45 | 2 40 | 15 12 | 0 23 | 16 15 | 0 27 | 8 57 | 17 21 | 20 16 | 20 23 | 8 11 | 16 39 | 3 51 | T 3 |
| F 4 | 17 38 | 15 49 | 1 12 | 19 3 | 0 41 | 26 4 | 2 35 | 6 42 | 1 39 | 6 17 | 1 7 | 10 43 | 2 40 | 15 12 | 0 23 | 16 15 | 0 27 | 8 57 | 17 21 | 20 16 | 20 23 | 8 8 | 16 38 | 3 51 | F 4 |
| S 5 | 17 54 | 20 34 | 0n 6 | 19 33 | 0 47 | 26 3 | 2 36 | 6 29 | 1 39 | 6 13 | 1 7 | 10 42 | 2 40 | 15 11 | 0 23 | 16 15 | 0 27 | 8 57 | 17 21 | 20 16 | 20 22 | 8 5 | 16 37 | 3 51 | S 5 |
| S 6 | 18 10 | 24 3 | 1 22 | 20 2 | 0 53 | 26 1 | 2 37 | 6 16 | 1 40 | 6 10 | 1 8 | 10 41 | 2 39 | 15 10 | 0 23 | 16 15 | 0 27 | 8 57 | 17 21 | 20 16 | 20 21 | 8 2 | 16 36 | 3 51 | S 6 |
| M 7 | 18 26 | 26 3 | 2 31 | 20 30 | 0 59 | 25 58 | 2 37 | 6 3 | 1 40 | 6 7 | 1 8 | 10 39 | 2 39 | 15 9 | 0 23 | 16 15 | 0 27 | 8 58 | 17 20 | 20 16 | 20 21 | 7 59 | 16 36 | 3 51 | M 7 |
| T 8 | 18 41 | 26 30 | 3 31 | 20 57 | 1 5 | 25 55 | 2 38 | 5 50 | 1 41 | 6 4 | 1 8 | 10 38 | 2 39 | 15 9 | 0 23 | 16 14 | 0 27 | 8 58 | 17 20 | 20 16 | 20 20 | 7 56 | 16 35 | 3 51 | T 8 |
| W 9 | 18 56 | 25 31 | 4 18 | 21 23 | 1 11 | 25 51 | 2 38 | 5 37 | 1 41 | 6 1 | 1 8 | 10 37 | 2 39 | 15 8 | 0 23 | 16 14 | 0 27 | 8 58 | 17 20 | 20 16 | 20 19 | 7 53 | 16 34 | 3 52 | W 9 |
| T 10 | 19 11 | 23 17 | 4 52 | 21 48 | 1 17 | 25 46 | 2 39 | 5 24 | 1 42 | 5 58 | 1 8 | 10 35 | 2 39 | 15 7 | 0 23 | 16 14 | 0 27 | 8 58 | 17 20 | 20 16 | 20 19 | 7 50 | 16 33 | 3 52 | T 10 |
| F 11 | 19 25 | 20 2 | 5 11 | 22 12 | 1 22 | 25 40 | 2 39 | 5 11 | 1 42 | 5 55 | 1 9 | 10 34 | 2 39 | 15 7 | 0 23 | 16 14 | 0 27 | 8 58 | 17 19 | 20 16 | 20 18 | 7 47 | 16 32 | 3 52 | F 11 |
| S 12 | 19 39 | 16 0 | 5 17 | 22 35 | 1 27 | 25 34 | 2 39 | 4 58 | 1 43 | 5 52 | 1 9 | 10 33 | 2 39 | 15 6 | 0 23 | 16 14 | 0 27 | 8 58 | 17 19 | 20 16 | 20 17 | 7 44 | 16 31 | 3 52 | S 12 |
| S 13 | 19 53 | 11 24 | 5 9 | 22 57 | 1 32 | 25 27 | 2 39 | 4 45 | 1 43 | 5 49 | 1 9 | 10 31 | 2 38 | 15 5 | 0 23 | 16 13 | 0 27 | 8 58 | 17 19 | 20 16 | 20 17 | 7 41 | 16 30 | 3 52 | S 13 |
| M14 | 20 7 | 6 24 | 4 48 | 23 17 | 1 37 | 25 20 | 2 39 | 4 33 | 1 43 | 5 46 | 1 9 | 10 30 | 2 38 | 15 4 | 0 23 | 16 13 | 0 27 | 8 58 | 17 19 | 20 16 | 20 16 | 7 38 | 16 30 | 3 52 | M14 |
| T 15 | 20 19 | 1 9 | 4 15 | 23 37 | 1 42 | 25 11 | 2 38 | 4 20 | 1 44 | 5 44 | 1 10 | 10 29 | 2 38 | 15 4 | 0 23 | 16 13 | 0 27 | 8 58 | 17 18 | 20 16 | 20 15 | 7 35 | 16 29 | 3 52 | T 15 |
| W16 | 20 32 | 4s11 | 3 30 | 23 55 | 1 46 | 25 2 | 2 38 | 4 7 | 1 44 | 5 41 | 1 10 | 10 28 | 2 38 | 15 3 | 0 23 | 16 13 | 0 27 | 8 58 | 17 18 | 20 16 | 20 15 | 7 33 | 16 28 | 3 52 | W16 |
| T 17 | 20 44 | 9 28 | 2 35 | 24 12 | 1 51 | 24 53 | 2 37 | 3 54 | 1 45 | 5 38 | 1 10 | 10 27 | 2 38 | 15 2 | 0 23 | 16 12 | 0 27 | 8 58 | 17 18 | 20 16 | 20 14 | 7 30 | 16 27 | 3 53 | T 17 |
| F 18 | 20 56 | 14 28 | 1 32 | 24 27 | 1 55 | 24 43 | 2 37 | 3 42 | 1 45 | 5 36 | 1 10 | 10 25 | 2 38 | 15 2 | 0 23 | 16 12 | 0 27 | 8 59 | 17 18 | 20 16 | 20 13 | 7 27 | 16 26 | 3 53 | F 18 |
| S 19 | 21 7 | 18 58 | 0 23 | 24 42 | 1 58 | 24 32 | 2 36 | 3 29 | 1 46 | 5 33 | 1 11 | 10 24 | 2 37 | 15 1 | 0 23 | 16 12 | 0 27 | 8 59 | 17 17 | 20 16 | 20 13 | 7 24 | 16 26 | 3 53 | S 19 |
| S 20 | 21 18 | 22 39 | 0s48 | 24 55 | 2 2 | 24 20 | 2 35 | 3 16 | 1 46 | 5 31 | 1 11 | 10 23 | 2 37 | 15 0 | 0 23 | 16 11 | 0 27 | 8 59 | 17 17 | 20 16 | 20 12 | 7 21 | 16 25 | 3 53 | S 20 |
| M21 | 21 29 | 25 15 | 1 58 | 25 7 | 2 5 | 24 8 | 2 34 | 3 4 | 1 47 | 5 28 | 1 11 | 10 22 | 2 37 | 15 0 | 0 23 | 16 11 | 0 27 | 8 59 | 17 17 | 20 16 | 20 11 | 7 18 | 16 24 | 3 53 | M21 |
| T 22 | 21 39 | 26 27 | 3 3 | 25 17 | 2 8 | 23 55 | 2 32 | 2 51 | 1 47 | 5 26 | 1 11 | 10 21 | 2 37 | 14 59 | 0 23 | 16 11 | 0 27 | 8 59 | 17 17 | 20 16 | 20 11 | 7 15 | 16 23 | 3 53 | T 22 |
| W23 | 21 49 | 26 6 | 3 58 | 25 26 | 2 10 | 23 42 | 2 31 | 2 38 | 1 48 | 5 24 | 1 12 | 10 20 | 2 36 | 14 58 | 0 23 | 16 11 | 0 27 | 8 58 | 17 16 | 20 16 | 20 10 | 7 12 | 16 22 | 3 53 | W23 |
| T 24 | 21 58 | 24 10 | 4 41 | 25 33 | 2 12 | 23 28 | 2 30 | 2 26 | 1 48 | 5 21 | 1 12 | 10 19 | 2 36 | 14 58 | 0 23 | 16 10 | 0 27 | 8 58 | 17 16 | 20 16 | 20 9 | 7 9 | 16 22 | 3 53 | T 24 |
| F 25 | 22 7 | 20 47 | 5 8 | 25 39 | 2 14 | 23 13 | 2 28 | 2 13 | 1 49 | 5 19 | 1 12 | 10 18 | 2 36 | 14 57 | 0 23 | 16 10 | 0 27 | 8 58 | 17 16 | 20 15 | 20 9 | 7 6 | 16 21 | 3 53 | F 25 |
| S 26 | 22 16 | 16 11 | 5 16 | 25 43 | 2 15 | 22 58 | 2 26 | 2 1 | 1 49 | 5 17 | 1 12 | 10 17 | 2 36 | 14 56 | 0 23 | 16 9 | 0 27 | 8 58 | 17 15 | 20 15 | 20 8 | 7 3 | 16 20 | 3 53 | S 26 |
| S 27 | 22 24 | 10 41 | 5 6 | 25 46 | 2 16 | 22 43 | 2 24 | 1 49 | 1 50 | 5 15 | 1 13 | 10 16 | 2 36 | 14 56 | 0 23 | 16 9 | 0 27 | 8 58 | 17 15 | 20 15 | 20 7 | 7 0 | 16 19 | 3 53 | S 27 |
| M28 | 22 32 | 4 37 | 4 37 | 25 48 | 2 16 | 22 27 | 2 22 | 1 36 | 1 50 | 5 13 | 1 13 | 10 16 | 2 35 | 14 55 | 0 23 | 16 9 | 0 27 | 8 58 | 17 15 | 20 15 | 20 7 | 6 57 | 16 19 | 3 53 | M28 |
| T 29 | 22 39 | 1n43 | 3 51 | 25 48 | 2 16 | 22 10 | 2 20 | 1 24 | 1 51 | 5 11 | 1 13 | 10 15 | 2 35 | 14 55 | 0 23 | 16 8 | 0 27 | 8 58 | 17 14 | 20 16 | 20 6 | 6 54 | 16 18 | 3 53 | T 29 |
| W30 | 22s46 | 7n58 | 2s51 | 25s46 | 2s16 | 21s53 | 2s17 | 1n12 | 1n51 | 5n 9 | 1n13 | 10n14 | 2s35 | 14n54 | 0s23 | 16s 8 | 0s27 | 8s58 | 17s14 | 20n16 | 20n 5 | 6n51 | 16n17 | 3s53 | W30 |

Julian Day Number = 2214814.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°41'58, Lahiri = 14°48'59 Julian Calendar 1 Nov. 1351 == Greg. Calendar 9 Nov. 1351


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# ASTRODIENST EPHEMERIS for the year 1351
# geocentric

## DECEMBER 1351 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 9 1 | 16♐45'25 | 11♉39 | 3♑45 | 3♒41 | 1♎47 | 19♍57 | 3°R15 | 11°R13 | 17♒19 | 17°R41 | 0♊13 | 29♉19 | 23♍44 | 29°R18 | T 1 |
| F 2 | 5 12 57 | 17°46'31 | 25°41 | 5°13 | 4°45 | 2°19 | 20° 2 | 3♉13 | 11♉11 | 17°20 | 17♈40 | 0°R13 | 29°15 | 23°51 | 29♉15 | F 2 |
| S 3 | 5 16 54 | 18°47'38 | 9♊32 | 6°38 | 5°50 | 2°50 | 20° 7 | 3°10 | 11° 9 | 17°21 | 17°40 | 0°13 | 29°12 | 23°58 | 29°11 | S 3 |
| S 4 | 5 20 50 | 19°48'45 | 23° 9 | 8° 3 | 6°54 | 3°22 | 20°11 | 3° 7 | 11° 7 | 17°23 | 17°39 | 0°12 | 29° 9 | 24° 4 | 29° 8 | S 4 |
| M 5 | 5 24 47 | 20°49'53 | 6♋30 | 9°25 | 7°57 | 3°53 | 20°16 | 3° 5 | 11° 6 | 17°24 | 17°39 | 0°10 | 29° 6 | 24°11 | 29° 5 | M 5 |
| T 6 | 5 28 44 | 21°51'01 | 19°34 | 10°45 | 9° 1 | 4°24 | 20°20 | 3° 3 | 11° 4 | 17°26 | 17°38 | 0° 6 | 29° 3 | 24°18 | 29° 2 | T 6 |
| W 7 | 5 32 40 | 22°52'10 | 2♌19 | 12° 3 | 10° 4 | 4°55 | 20°24 | 3° 0 | 11° 2 | 17°27 | 17°38 | 0° 3 | 29° 0 | 24°25 | 28°59 | W 7 |
| T 8 | 5 36 37 | 23°53'19 | 14°47 | 13°18 | 11° 6 | 5°26 | 20°28 | 2°58 | 11° 1 | 17°29 | 17°37 | 29♉59 | 28°56 | 24°31 | 28°56 | T 8 |
| F 9 | 5 40 33 | 24°54'28 | 27° 0 | 14°29 | 12° 9 | 5°56 | 20°32 | 2°56 | 10°59 | 17°30 | 17°37 | 29°55 | 28°53 | 24°38 | 28°52 | F 9 |
| S 10 | 5 44 30 | 25°55'38 | 9♍ 2 | 15°36 | 13°11 | 6°27 | 20°36 | 2°54 | 10°57 | 17°32 | 17°37 | 29°53 | 28°50 | 24°45 | 28°49 | S 10 |
| S 11 | 5 48 26 | 26°56'49 | 20°56 | 16°38 | 14°12 | 6°57 | 20°39 | 2°52 | 10°56 | 17°33 | 17°36 | 29°52 | 28°47 | 24°51 | 28°46 | S 11 |
| M12 | 5 52 23 | 27°58'00 | 2♎47 | 17°35 | 15°13 | 7°28 | 20°43 | 2°51 | 10°54 | 17°35 | 17°36 | 29°D52 | 28°44 | 24°58 | 28°44 | M12 |
| T 13 | 5 56 19 | 28°59'11 | 14°40 | 18°25 | 16°14 | 7°58 | 20°46 | 2°49 | 10°53 | 17°36 | 17°36 | 29°53 | 28°40 | 25° 5 | 28°41 | T 13 |
| W14 | 6 0 16 | 0♏ 0'23 | 26°41 | 19° 9 | 17°15 | 8°28 | 20°49 | 2°47 | 10°51 | 17°38 | 17°36 | 29°54 | 28°37 | 25°12 | 28°38 | W14 |
| T 15 | 6 4 13 | 1° 1'35 | 8♏53 | 19°44 | 18°14 | 8°58 | 20°51 | 2°46 | 10°50 | 17°40 | 17°35 | 29°56 | 28°34 | 25°18 | 28°35 | T 15 |
| F 16 | 6 8 9 | 2° 2'47 | 21°22 | 20°10 | 19°14 | 9°27 | 20°54 | 2°45 | 10°49 | 17°42 | 17°35 | 29°57 | 28°31 | 25°25 | 28°32 | F 16 |
| S 17 | 6 12 6 | 3° 4'00 | 4♐ 9 | 20°26 | 20°13 | 9°57 | 20°56 | 2°43 | 10°48 | 17°43 | 17°35 | 29°R58 | 28°28 | 25°32 | 28°29 | S 17 |
| S 18 | 6 16 2 | 4° 5'12 | 17°17 | 20°R32 | 21°12 | 10°26 | 20°59 | 2°42 | 10°46 | 17°45 | 17°35 | 29°56 | 28°25 | 25°38 | 28°27 | S 18 |
| M19 | 6 19 59 | 5° 6'25 | 0♑46 | 20°27 | 22°10 | 10°55 | 21° 1 | 2°41 | 10°45 | 17°47 | 17°35 | 29°53 | 28°21 | 25°45 | 28°24 | M19 |
| T 20 | 6 23 55 | 6° 7'38 | 14°34 | 20° 9 | 23° 7 | 11°25 | 21° 2 | 2°40 | 10°44 | 17°49 | 17°35 | 29°48 | 28°18 | 25°52 | 28°22 | T 20 |
| W21 | 6 27 52 | 7° 8'50 | 28°38 | 19°40 | 24° 4 | 11°53 | 21° 4 | 2°40 | 10°43 | 17°50 | 17°35 | 29°42 | 28°15 | 25°58 | 28°19 | W21 |
| T 22 | 6 31 48 | 8°10'02 | 12♒53 | 18°59 | 25° 1 | 12°22 | 21° 6 | 2°39 | 10°42 | 17°52 | 17°35 | 29°36 | 28°12 | 26° 5 | 28°17 | T 22 |
| F 23 | 6 35 45 | 9°11'14 | 27°14 | 18° 8 | 25°56 | 12°51 | 21° 7 | 2°38 | 10°41 | 17°54 | 17°34 | 29°30 | 28° 9 | 26°12 | 28°14 | F 23 |
| S 24 | 6 39 42 | 10°12'25 | 11♓35 | 17° 7 | 26°52 | 13°19 | 21° 8 | 2°38 | 10°40 | 17°56 | 17°34 | 29°25 | 28° 6 | 26°19 | 28°12 | S 24 |
| S 25 | 6 43 38 | 11°13'35 | 25°53 | 15°57 | 27°46 | 13°47 | 21° 9 | 2°38 | 10°39 | 17°58 | 17°D34 | 29°22 | 28° 2 | 26°25 | 28°10 | S 25 |
| M26 | 6 47 35 | 12°14'45 | 10♈ 4 | 14°42 | 28°40 | 14°15 | 21° 9 | 2°37 | 10°38 | 18° 0 | 17°34 | 29°D21 | 27°59 | 26°32 | 28° 7 | M26 |
| T 27 | 6 51 31 | 13°15'54 | 24° 7 | 13°24 | 29°33 | 14°43 | 21°10 | 2°D37 | 10°37 | 18° 2 | 17°34 | 29°22 | 27°56 | 26°39 | 28° 5 | T 27 |
| W28 | 6 55 28 | 14°17'02 | 8♉ 0 | 12° 5 | 0♓26 | 15°10 | 21°10 | 2°37 | 10°37 | 18° 4 | 17°35 | 29°23 | 27°53 | 26°45 | 28° 3 | W28 |
| T 29 | 6 59 24 | 15°18'10 | 21°44 | 10°47 | 1°18 | 15°37 | 21°R10 | 2°38 | 10°36 | 18° 6 | 17°35 | 29°24 | 27°50 | 26°52 | 28° 1 | T 29 |
| F 30 | 7 3 21 | 16°19'16 | 5♊18 | 9°33 | 2° 8 | 16° 5 | 21°10 | 2°38 | 10°35 | 18° 8 | 17°35 | 29°R24 | 27°46 | 26°59 | 27°59 | F 30 |
| S 31 | 7 7 17 | 17♑20'23 | 18♊42 | 8♑25 | 2♓59 | 16♎31 | 21♍10 | 2♉38 | 10♉35 | 18♒10 | 17♈35 | 29♉22 | 27♉43 | 27♍ 6 | 27♉57 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s52 | 13n47 | 1s41 | 25s43 | 2s14 | 21s35 | 2s15 | 0n59 | 1n51 | 5n 7 | 1n14 | 10n13 | 2s35 | 14n53 | 0s23 | 16s 8 | 0s27 | 8s58 | 17s14 | 20n16 | 20n 4 | 6n48 | 16n16 | 3s53 |
| F 2 | 22 58 | 18 51 | 0 25 | 25 38 | 2 12 | 21 17 | 2 12 | 0 47 | 1 52 | 5 6 | 1 14 | 10 13 | 2 34 | 14 53 | 0 23 | 16 7 | 0 27 | 8 58 | 17 13 | 20 16 | 20 4 | 6 45 | 16 16 | 3 53 |
| S 3 | 23 3 | 22 48 | 0n51 | 25 31 | 2 10 | 20 58 | 2 9 | 0 35 | 1 52 | 5 4 | 1 14 | 10 12 | 2 34 | 14 52 | 0 23 | 16 7 | 0 27 | 8 58 | 17 13 | 20 16 | 20 3 | 6 42 | 16 15 | 3 53 |
| S 4 | 23 8 | 25 24 | 2 3 | 25 23 | 2 7 | 20 39 | 2 6 | 0 23 | 1 53 | 5 2 | 1 14 | 10 11 | 2 34 | 14 52 | 0 22 | 16 6 | 0 27 | 8 58 | 17 13 | 20 16 | 20 2 | 6 39 | 16 14 | 3 53 |
| M 5 | 23 12 | 26 28 | 3 7 | 25 14 | 2 3 | 20 19 | 2 3 | 0 11 | 1 53 | 5 1 | 1 15 | 10 11 | 2 34 | 14 51 | 0 22 | 16 6 | 0 27 | 8 57 | 17 12 | 20 15 | 20 2 | 6 36 | 16 14 | 3 53 |
| T 6 | 23 16 | 26 2 | 3 59 | 25 3 | 1 58 | 19 59 | 2 0 | 0s 1 | 1 54 | 4 59 | 1 15 | 10 10 | 2 33 | 14 51 | 0 22 | 16 5 | 0 27 | 8 57 | 17 12 | 20 15 | 20 1 | 6 33 | 16 13 | 3 53 |
| W 7 | 23 20 | 24 13 | 4 38 | 24 51 | 1 52 | 19 39 | 1 56 | 0 13 | 1 54 | 4 58 | 1 15 | 10 10 | 2 33 | 14 50 | 0 22 | 16 5 | 0 27 | 8 57 | 17 12 | 20 14 | 20 0 | 6 30 | 16 12 | 3 53 |
| T 8 | 23 23 | 21 17 | 5 3 | 24 37 | 1 46 | 19 18 | 1 52 | 0 24 | 1 55 | 4 57 | 1 16 | 10 9 | 2 33 | 14 50 | 0 22 | 16 4 | 0 27 | 8 57 | 17 11 | 20 13 | 20 0 | 6 27 | 16 12 | 3 53 |
| F 9 | 23 26 | 17 27 | 5 13 | 24 22 | 1 39 | 18 57 | 1 49 | 0 36 | 1 55 | 4 55 | 1 16 | 10 9 | 2 32 | 14 49 | 0 22 | 16 4 | 0 27 | 8 57 | 17 11 | 20 12 | 19 59 | 6 24 | 16 11 | 3 53 |
| S 10 | 23 28 | 12 59 | 5 10 | 24 6 | 1 30 | 18 36 | 1 45 | 0 48 | 1 56 | 4 54 | 1 16 | 10 8 | 2 32 | 14 49 | 0 22 | 16 4 | 0 27 | 8 57 | 17 11 | 20 12 | 19 58 | 6 21 | 16 10 | 3 53 |
| S 11 | 23 29 | 8 5 | 4 53 | 23 49 | 1 21 | 18 14 | 1 40 | 1 0 | 1 56 | 4 53 | 1 16 | 10 8 | 2 32 | 14 48 | 0 22 | 16 3 | 0 27 | 8 56 | 17 10 | 20 12 | 19 58 | 6 17 | 16 10 | 3 53 |
| M12 | 23 31 | 2 55 | 4 24 | 23 31 | 1 10 | 17 51 | 1 36 | 1 11 | 1 57 | 4 52 | 1 17 | 10 8 | 2 32 | 14 48 | 0 22 | 16 3 | 0 27 | 8 56 | 17 10 | 20 12 | 19 57 | 6 14 | 16 9 | 3 53 |
| T 13 | 23 31 | 2s23 | 3 43 | 23 13 | 0 58 | 17 29 | 1 32 | 1 23 | 1 57 | 4 51 | 1 17 | 10 7 | 2 31 | 14 47 | 0 22 | 16 2 | 0 27 | 8 56 | 17 10 | 20 12 | 19 56 | 6 11 | 16 9 | 3 53 |
| W14 | 23 31 | 7 39 | 2 52 | 22 54 | 0 45 | 17 6 | 1 27 | 1 34 | 1 58 | 4 50 | 1 17 | 10 7 | 2 31 | 14 47 | 0 22 | 16 2 | 0 27 | 8 56 | 17 9 | 20 12 | 19 55 | 6 8 | 16 8 | 3 53 |
| T 15 | 23 31 | 12 44 | 1 53 | 22 35 | 0 31 | 16 43 | 1 22 | 1 45 | 1 58 | 4 49 | 1 17 | 10 7 | 2 31 | 14 47 | 0 22 | 16 1 | 0 27 | 8 55 | 17 9 | 20 13 | 19 55 | 6 5 | 16 8 | 3 53 |
| F 16 | 23 31 | 17 25 | 0 47 | 22 16 | 0 16 | 16 19 | 1 17 | 1 57 | 1 59 | 4 49 | 1 18 | 10 7 | 2 31 | 14 46 | 0 22 | 16 0 | 0 27 | 8 55 | 17 9 | 20 13 | 19 54 | 6 2 | 16 7 | 3 53 |
| S 17 | 23 29 | 21 25 | 0s23 | 21 57 | 0n 1 | 15 56 | 1 12 | 2 8 | 1 59 | 4 48 | 1 18 | 10 6 | 2 30 | 14 46 | 0 22 | 16 0 | 0 27 | 8 55 | 17 8 | 20 13 | 19 53 | 5 59 | 16 6 | 3 53 |
| S 18 | 23 28 | 24 27 | 1 33 | 21 39 | 0 18 | 15 32 | 1 6 | 2 19 | 2 0 | 4 47 | 1 18 | 10 6 | 2 30 | 14 45 | 0 22 | 15 59 | 0 27 | 8 55 | 17 8 | 20 13 | 19 53 | 5 56 | 16 6 | 3 53 |
| M19 | 23 26 | 26 11 | 2 40 | 21 22 | 0 36 | 15 8 | 1 1 | 2 30 | 2 0 | 4 47 | 1 19 | 10 6 | 2 30 | 14 45 | 0 22 | 15 59 | 0 27 | 8 54 | 17 8 | 20 12 | 19 52 | 5 53 | 16 5 | 3 53 |
| T 20 | 23 23 | 26 21 | 3 39 | 21 6 | 0 55 | 14 43 | 0 55 | 2 41 | 2 1 | 4 46 | 1 19 | 10 6 | 2 29 | 14 45 | 0 22 | 15 58 | 0 27 | 8 54 | 17 7 | 20 11 | 19 51 | 5 50 | 16 5 | 3 53 |
| W21 | 23 20 | 24 50 | 4 26 | 20 51 | 1 14 | 14 19 | 0 49 | 2 52 | 2 1 | 4 46 | 1 19 | 10 6 | 2 29 | 14 44 | 0 22 | 15 58 | 0 27 | 8 54 | 17 7 | 20 10 | 19 50 | 5 47 | 16 4 | 3 53 |
| T 22 | 23 16 | 21 44 | 4 57 | 20 38 | 1 34 | 13 54 | 0 43 | 3 2 | 2 2 | 4 46 | 1 19 | 10 6 | 2 29 | 14 44 | 0 22 | 15 57 | 0 27 | 8 53 | 17 7 | 20 8 | 19 50 | 5 44 | 16 4 | 3 53 |
| F 23 | 23 12 | 17 19 | 5 9 | 20 26 | 1 53 | 13 29 | 0 36 | 3 13 | 2 2 | 4 45 | 1 20 | 10 6 | 2 28 | 14 44 | 0 22 | 15 57 | 0 27 | 8 53 | 17 6 | 20 7 | 19 49 | 5 41 | 16 4 | 3 52 |
| S 24 | 23 8 | 11 54 | 5 3 | 20 16 | 2 11 | 13 4 | 0 30 | 3 24 | 2 3 | 4 45 | 1 20 | 10 7 | 2 28 | 14 44 | 0 22 | 15 56 | 0 27 | 8 53 | 17 6 | 20 6 | 19 48 | 5 38 | 16 3 | 3 52 |
| S 25 | 23 3 | 5 53 | 4 37 | 20 7 | 2 28 | 12 39 | 0 23 | 3 34 | 2 3 | 4 45 | 1 20 | 10 7 | 2 28 | 14 43 | 0 22 | 15 55 | 0 27 | 8 52 | 17 5 | 20 5 | 19 48 | 5 35 | 16 3 | 3 52 |
| M26 | 22 58 | 0n24 | 3 55 | 20 0 | 2 43 | 12 14 | 0 16 | 3 44 | 2 4 | 4 45 | 1 21 | 10 7 | 2 28 | 14 43 | 0 22 | 15 55 | 0 27 | 8 52 | 17 5 | 20 5 | 19 47 | 5 32 | 16 2 | 3 52 |
| T 27 | 22 52 | 6 37 | 2 59 | 19 55 | 2 57 | 11 49 | 0 9 | 3 55 | 2 4 | 4 45 | 1 21 | 10 7 | 2 27 | 14 43 | 0 22 | 15 54 | 0 27 | 8 52 | 17 5 | 20 5 | 19 46 | 5 29 | 16 2 | 3 52 |
| W28 | 22 45 | 12 27 | 1 53 | 19 52 | 3 8 | 11 23 | 0 2 | 4 5 | 2 4 | 4 45 | 1 21 | 10 8 | 2 27 | 14 43 | 0 22 | 15 54 | 0 27 | 8 51 | 17 4 | 20 5 | 19 45 | 5 26 | 16 2 | 3 52 |
| T 29 | 22 39 | 17 36 | 0 41 | 19 49 | 3 16 | 10 58 | 0n 6 | 4 15 | 2 5 | 4 46 | 1 22 | 10 8 | 2 27 | 14 43 | 0 22 | 15 53 | 0 27 | 8 51 | 17 4 | 20 6 | 19 45 | 5 23 | 16 1 | 3 52 |
| F 30 | 22 31 | 21 47 | 0n32 | 19 49 | 3 22 | 10 32 | 0 13 | 4 25 | 2 5 | 4 46 | 1 22 | 10 8 | 2 26 | 14 42 | 0 22 | 15 52 | 0 27 | 8 51 | 17 4 | 20 6 | 19 44 | 5 19 | 16 1 | 3 52 |
| S 31 | 22s24 | 24n44 | 1n42 | 19s50 | 3n26 | 10s 7 | 0n21 | 4s35 | 2n 6 | 4n46 | 1n22 | 10n 9 | 2s26 | 14n42 | 0s22 | 15s52 | 0s27 | 8s50 | 17s 3 | 20n 5 | 19n43 | 5n16 | 16n 1 | 3s52 |

Julian Day Number = 2214844.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'02, Lahiri = 14°49'03 Julian Calendar 1 Dec. 1351 == Greg. Calendar 9 Dec. 1351


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## JANUARY 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 11 14 | 18♉21'28 | 1♋55 | 7°R24 | 3♓48 | 16♎58 | 21°R 9 | 2♉39 | 10°R34 | 18♒12 | 17♈35 | 29°R18 | 27♉40 | 27♍12 | 27°R55 | S 1 |
| M 2 | 7 15 11 | 19°22'33 | 14°56 | 6♉31 | 4°36 | 17°25 | 21♍ 9 | 2°39 | 10♉34 | 18°14 | 17°35 | 29♉12 | 27°37 | 27°19 | 27♉53 | M 2 |
| T 3 | 7 19 7 | 20°23'37 | 27°45 | 5°48 | 5°24 | 17°51 | 21° 8 | 2°40 | 10°33 | 18°16 | 17°35 | 29° 3 | 27°34 | 27°26 | 27°52 | T 3 |
| W 4 | 7 23 4 | 21°24'40 | 10♌20 | 5°13 | 6°10 | 18°17 | 21° 7 | 2°41 | 10°33 | 18°18 | 17°36 | 28°53 | 27°31 | 27°32 | 27°50 | W 4 |
| T 5 | 7 27 0 | 22°25'43 | 22°43 | 4°48 | 6°56 | 18°43 | 21° 6 | 2°42 | 10°33 | 18°20 | 17°36 | 28°42 | 27°27 | 27°39 | 27°48 | T 5 |
| F 6 | 7 30 57 | 23°26'45 | 4♍53 | 4°33 | 7°41 | 19° 8 | 21° 4 | 2°43 | 10°32 | 18°22 | 17°36 | 28°33 | 27°24 | 27°46 | 27°47 | F 6 |
| S 7 | 7 34 53 | 24°27'46 | 16°54 | 4°D25 | 8°24 | 19°34 | 21° 3 | 2°44 | 10°32 | 18°24 | 17°36 | 28°24 | 27°21 | 27°52 | 27°45 | S 7 |
| S 8 | 7 38 50 | 25°28'46 | 28°47 | 4°26 | 9° 7 | 19°59 | 21° 1 | 2°45 | 10°32 | 18°26 | 17°37 | 28°18 | 27°18 | 27°59 | 27°44 | S 8 |
| M 9 | 7 42 47 | 26°29'46 | 10♎37 | 4°35 | 9°48 | 20°24 | 20°59 | 2°47 | 10°32 | 18°28 | 17°37 | 28°14 | 27°15 | 28° 6 | 27°43 | M 9 |
| T 10 | 7 46 43 | 27°30'46 | 22°28 | 4°51 | 10°28 | 20°48 | 20°57 | 2°48 | 10°32 | 18°31 | 17°37 | 28°D12 | 27°12 | 28°13 | 27°41 | T 10 |
| W11 | 7 50 40 | 28°31'44 | 4♏26 | 5°13 | 11° 7 | 21°12 | 20°54 | 2°50 | 10°D32 | 18°33 | 17°38 | 28°12 | 27° 8 | 28°19 | 27°40 | W11 |
| T 12 | 7 54 36 | 29°32'43 | 16°36 | 5°42 | 11°44 | 21°36 | 20°52 | 2°51 | 10°32 | 18°35 | 17°38 | 28°13 | 27° 5 | 28°26 | 27°39 | T 12 |
| F 13 | 7 58 33 | 0♒33'40 | 29° 4 | 6°15 | 12°20 | 22° 0 | 20°49 | 2°53 | 10°32 | 18°37 | 17°39 | 28°R14 | 27° 2 | 28°33 | 27°38 | F 13 |
| S 14 | 8 2 29 | 1°34'36 | 11♐53 | 6°54 | 12°55 | 22°24 | 20°46 | 2°55 | 10°32 | 18°39 | 17°39 | 28°13 | 26°59 | 28°39 | 27°37 | S 14 |
| S 15 | 8 6 26 | 2°35'32 | 25° 7 | 7°38 | 13°29 | 22°47 | 20°43 | 2°57 | 10°32 | 18°42 | 17°40 | 28°10 | 26°56 | 28°46 | 27°36 | S 15 |
| M16 | 8 10 22 | 3°36'27 | 8♑47 | 8°25 | 14° 1 | 23°10 | 20°40 | 2°59 | 10°32 | 18°44 | 17°40 | 28° 4 | 26°52 | 28°53 | 27°35 | M16 |
| T 17 | 8 14 19 | 4°37'21 | 22°54 | 9°16 | 14°31 | 23°32 | 20°36 | 3° 2 | 10°33 | 18°46 | 17°41 | 27°55 | 26°49 | 29° 0 | 27°34 | T 17 |
| W18 | 8 18 16 | 5°38'14 | 7♒22 | 10°11 | 15° 0 | 23°54 | 20°33 | 3° 4 | 10°33 | 18°48 | 17°41 | 27°45 | 26°46 | 29° 6 | 27°34 | W18 |
| T 19 | 8 22 12 | 6°39'05 | 22° 5 | 11° 8 | 15°27 | 24°16 | 20°29 | 3° 6 | 10°33 | 18°50 | 17°42 | 27°34 | 26°43 | 29°13 | 27°33 | T 19 |
| F 20 | 8 26 9 | 7°39'55 | 6♓55 | 12° 9 | 15°52 | 24°38 | 20°25 | 3° 9 | 10°34 | 18°53 | 17°42 | 27°23 | 26°40 | 29°20 | 27°33 | F 20 |
| S 21 | 8 30 5 | 8°40'44 | 21°43 | 13°12 | 16°16 | 24°59 | 20°21 | 3°12 | 10°34 | 18°55 | 17°43 | 27°14 | 26°37 | 29°26 | 27°32 | S 21 |
| S 22 | 8 34 2 | 9°41'31 | 6♈22 | 14°17 | 16°37 | 25°20 | 20°16 | 3°14 | 10°35 | 18°57 | 17°43 | 27° 8 | 26°33 | 29°33 | 27°32 | S 22 |
| M23 | 8 37 58 | 10°42'16 | 20°46 | 15°25 | 16°57 | 25°41 | 20°12 | 3°17 | 10°36 | 18°59 | 17°44 | 27° 4 | 26°30 | 29°40 | 27°31 | M23 |
| T 24 | 8 41 55 | 11°43'00 | 4♉53 | 16°35 | 17°15 | 26° 1 | 20° 7 | 3°20 | 10°36 | 19° 2 | 17°45 | 27° 3 | 26°27 | 29°46 | 27°31 | T 24 |
| W25 | 8 45 51 | 12°43'42 | 18°41 | 17°47 | 17°30 | 26°21 | 20° 2 | 3°23 | 10°37 | 19° 4 | 17°45 | 27°D 3 | 26°24 | 29°53 | 27°31 | W25 |
| T 26 | 8 49 48 | 13°44'23 | 2♊13 | 19° 0 | 17°44 | 26°40 | 19°57 | 3°27 | 10°38 | 19° 6 | 17°46 | 27°R 3 | 26°21 | 29°59 | 27°31 | T 26 |
| F 27 | 8 53 45 | 14°45'01 | 15°29 | 20°15 | 17°55 | 26°59 | 19°52 | 3°30 | 10°39 | 19° 9 | 17°47 | 27° 2 | 26°18 | 0♎ 7 | 27°D31 | F 27 |
| S 28 | 8 57 41 | 15°45'38 | 28°32 | 21°32 | 18° 4 | 27°18 | 19°47 | 3°33 | 10°39 | 19°11 | 17°48 | 26°58 | 26°14 | 0°13 | 27°31 | S 28 |
| S 29 | 9 1 38 | 16°46'14 | 11♋23 | 22°50 | 18°10 | 27°36 | 19°41 | 3°37 | 10°40 | 19°13 | 17°48 | 26°52 | 26°11 | 0°20 | 27°31 | S 29 |
| M30 | 9 5 34 | 17°46'48 | 24° 4 | 24°10 | 18°15 | 27°54 | 19°36 | 3°40 | 10°41 | 19°15 | 17°49 | 26°42 | 26° 8 | 0°27 | 27°31 | M30 |
| T 31 | 9 9 31 | 18♒47'20 | 6♌34 | 25♑31 | 18°R16 | 28♎11 | 19♍30 | 3♉44 | 10♉42 | 19♒18 | 17♈50 | 26♉30 | 26♉ 5 | 0♎33 | 27♉31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s16 | 26n16 | 2n46 | 19s52 | 3n27 | 9s42 | 0n29 | 4s45 | 2n 6 | 4n47 | 1n22 | 10n 9 | 2s26 | 14n42 | 0s22 | 15s51 | 0s27 | 8s50 | 17s 3 | 20n 4 | 19n43 | 5n13 | 16n 0 | 3s51 |
| M 2 | 22 7 | 26 19 | 3 40 | 19 56 | 3 26 | 9 16 | 0 38 | 4 54 | 2 7 | 4 47 | 1 23 | 10 10 | 2 25 | 14 42 | 0 22 | 15 51 | 0 27 | 8 49 | 17 2 | 20 3 | 19 42 | 5 10 | 16 0 | 3 51 |
| T 3 | 21 58 | 24 57 | 4 21 | 20 0 | 3 24 | 8 51 | 0 46 | 5 4 | 2 7 | 4 48 | 1 23 | 10 10 | 2 25 | 14 42 | 0 22 | 15 50 | 0 27 | 8 49 | 17 2 | 20 1 | 19 41 | 5 7 | 16 0 | 3 51 |
| W 4 | 21 49 | 22 21 | 4 50 | 20 6 | 3 19 | 8 26 | 0 55 | 5 13 | 2 8 | 4 48 | 1 23 | 10 11 | 2 25 | 14 42 | 0 22 | 15 49 | 0 27 | 8 49 | 17 2 | 19 59 | 19 40 | 5 4 | 16 0 | 3 51 |
| T 5 | 21 39 | 18 46 | 5 3 | 20 13 | 3 13 | 8 1 | 1 4 | 5 23 | 2 8 | 4 49 | 1 24 | 10 11 | 2 24 | 14 42 | 0 22 | 15 49 | 0 27 | 8 48 | 17 1 | 19 57 | 19 40 | 5 1 | 15 59 | 3 51 |
| F 6 | 21 29 | 14 27 | 5 3 | 20 21 | 3 6 | 7 36 | 1 13 | 5 32 | 2 9 | 4 50 | 1 24 | 10 12 | 2 24 | 14 42 | 0 22 | 15 48 | 0 27 | 8 48 | 17 1 | 19 54 | 19 39 | 4 58 | 15 59 | 3 51 |
| S 7 | 21 18 | 9 38 | 4 50 | 20 29 | 2 58 | 7 11 | 1 22 | 5 41 | 2 9 | 4 51 | 1 24 | 10 13 | 2 24 | 14 42 | 0 22 | 15 47 | 0 27 | 8 47 | 17 1 | 19 53 | 19 38 | 4 55 | 15 59 | 3 51 |
| S 8 | 21 7 | 4 31 | 4 23 | 20 38 | 2 49 | 6 46 | 1 32 | 5 50 | 2 10 | 4 52 | 1 24 | 10 13 | 2 24 | 14 42 | 0 22 | 15 47 | 0 27 | 8 47 | 17 0 | 19 51 | 19 38 | 4 52 | 15 59 | 3 51 |
| M 9 | 20 56 | 0s45 | 3 46 | 20 47 | 2 40 | 6 21 | 1 41 | 5 59 | 2 10 | 4 53 | 1 25 | 10 14 | 2 23 | 14 41 | 0 22 | 15 46 | 0 27 | 8 46 | 17 0 | 19 50 | 19 37 | 4 49 | 15 59 | 3 50 |
| T 10 | 20 44 | 6 0 | 2 59 | 20 57 | 2 30 | 5 57 | 1 51 | 6 8 | 2 11 | 4 54 | 1 25 | 10 15 | 2 23 | 14 41 | 0 22 | 15 45 | 0 27 | 8 46 | 17 0 | 19 50 | 19 36 | 4 46 | 15 59 | 3 50 |
| W11 | 20 32 | 11 6 | 2 4 | 21 6 | 2 19 | 5 33 | 2 1 | 6 17 | 2 11 | 4 55 | 1 25 | 10 16 | 2 23 | 14 42 | 0 22 | 15 45 | 0 27 | 8 45 | 16 59 | 19 50 | 19 35 | 4 42 | 15 58 | 3 50 |
| T 12 | 20 19 | 15 52 | 1 2 | 21 15 | 2 9 | 5 9 | 2 12 | 6 25 | 2 12 | 4 57 | 1 25 | 10 17 | 2 22 | 14 42 | 0 22 | 15 44 | 0 27 | 8 45 | 16 59 | 19 50 | 19 35 | 4 39 | 15 58 | 3 50 |
| F 13 | 20 6 | 20 6 | 0s 4 | 21 24 | 1 58 | 4 46 | 2 22 | 6 33 | 2 12 | 4 58 | 1 26 | 10 17 | 2 22 | 14 42 | 0 21 | 15 43 | 0 27 | 8 44 | 16 58 | 19 50 | 19 34 | 4 36 | 15 58 | 3 50 |
| S 14 | 19 53 | 23 29 | 1 12 | 21 33 | 1 48 | 4 23 | 2 33 | 6 42 | 2 13 | 4 59 | 1 26 | 10 18 | 2 22 | 14 42 | 0 21 | 15 43 | 0 27 | 8 44 | 16 58 | 19 50 | 19 33 | 4 33 | 15 58 | 3 50 |
| S 15 | 19 39 | 25 44 | 2 18 | 21 42 | 1 37 | 4 0 | 2 44 | 6 50 | 2 13 | 5 1 | 1 26 | 10 19 | 2 21 | 14 42 | 0 21 | 15 42 | 0 27 | 8 43 | 16 58 | 19 49 | 19 32 | 4 30 | 15 58 | 3 49 |
| M16 | 19 25 | 26 32 | 3 18 | 21 49 | 1 26 | 3 37 | 2 55 | 6 58 | 2 14 | 5 2 | 1 27 | 10 20 | 2 21 | 14 42 | 0 21 | 15 41 | 0 27 | 8 43 | 16 57 | 19 48 | 19 32 | 4 27 | 15 58 | 3 49 |
| T 17 | 19 11 | 25 39 | 4 8 | 21 57 | 1 16 | 3 15 | 3 6 | 7 6 | 2 14 | 5 4 | 1 27 | 10 21 | 2 21 | 14 42 | 0 21 | 15 41 | 0 27 | 8 42 | 16 57 | 19 46 | 19 31 | 4 24 | 15 58 | 3 49 |
| W18 | 18 56 | 23 3 | 4 43 | 22 3 | 1 5 | 2 54 | 3 18 | 7 14 | 2 14 | 5 6 | 1 27 | 10 23 | 2 21 | 14 42 | 0 21 | 15 40 | 0 27 | 8 42 | 16 57 | 19 44 | 19 30 | 4 21 | 15 58 | 3 49 |
| T 19 | 18 41 | 18 56 | 5 0 | 22 9 | 0 55 | 2 33 | 3 29 | 7 21 | 2 15 | 5 7 | 1 27 | 10 24 | 2 20 | 14 42 | 0 21 | 15 39 | 0 27 | 8 41 | 16 56 | 19 41 | 19 29 | 4 18 | 15 58 | 3 49 |
| F 20 | 18 25 | 13 36 | 4 58 | 22 13 | 0 45 | 2 12 | 3 41 | 7 29 | 2 15 | 5 9 | 1 28 | 10 25 | 2 20 | 14 42 | 0 21 | 15 39 | 0 27 | 8 41 | 16 56 | 19 39 | 19 29 | 4 15 | 15 58 | 3 49 |
| S 21 | 18 9 | 7 30 | 4 35 | 22 17 | 0 35 | 1 52 | 3 53 | 7 36 | 2 16 | 5 11 | 1 28 | 10 26 | 2 20 | 14 43 | 0 21 | 15 38 | 0 27 | 8 40 | 16 56 | 19 37 | 19 28 | 4 11 | 15 58 | 3 49 |
| S 22 | 17 53 | 1 3 | 3 55 | 22 20 | 0 25 | 1 32 | 4 5 | 7 43 | 2 16 | 5 13 | 1 28 | 10 27 | 2 19 | 14 43 | 0 21 | 15 37 | 0 27 | 8 40 | 16 55 | 19 35 | 19 27 | 4 8 | 15 58 | 3 48 |
| M23 | 17 37 | 5n22 | 3 0 | 22 22 | 0 16 | 1 14 | 4 17 | 7 50 | 2 17 | 5 15 | 1 28 | 10 28 | 2 19 | 14 43 | 0 21 | 15 37 | 0 27 | 8 39 | 16 55 | 19 34 | 19 27 | 4 5 | 15 58 | 3 48 |
| T 24 | 17 20 | 11 24 | 1 55 | 22 23 | 0 6 | 0 55 | 4 29 | 7 57 | 2 17 | 5 17 | 1 29 | 10 30 | 2 19 | 14 43 | 0 21 | 15 36 | 0 27 | 8 39 | 16 55 | 19 34 | 19 26 | 4 2 | 15 58 | 3 48 |
| W25 | 17 3 | 16 44 | 0 44 | 22 23 | 0s 3 | 0 38 | 4 42 | 8 4 | 2 17 | 5 19 | 1 29 | 10 31 | 2 19 | 14 44 | 0 21 | 15 35 | 0 27 | 8 38 | 16 54 | 19 34 | 19 25 | 3 59 | 15 59 | 3 48 |
| T 26 | 16 46 | 21 7 | 0n27 | 22 22 | 0 12 | 0 21 | 4 54 | 8 11 | 2 18 | 5 21 | 1 29 | 10 32 | 2 18 | 14 44 | 0 21 | 15 34 | 0 27 | 8 38 | 16 54 | 19 34 | 19 24 | 3 56 | 15 59 | 3 48 |
| F 27 | 16 28 | 24 19 | 1 36 | 22 19 | 0 20 | 0 5 | 5 7 | 8 17 | 2 18 | 5 24 | 1 29 | 10 34 | 2 18 | 14 44 | 0 21 | 15 34 | 0 27 | 8 37 | 16 54 | 19 34 | 19 24 | 3 53 | 15 59 | 3 47 |
| S 28 | 16 10 | 26 9 | 2 38 | 22 16 | 0 28 | 0n10 | 5 19 | 8 23 | 2 19 | 5 26 | 1 29 | 10 35 | 2 18 | 14 44 | 0 21 | 15 33 | 0 27 | 8 37 | 16 53 | 19 33 | 19 23 | 3 50 | 15 59 | 3 47 |
| S 29 | 15 52 | 26 33 | 3 31 | 22 11 | 0 36 | 0 24 | 5 32 | 8 30 | 2 19 | 5 28 | 1 30 | 10 37 | 2 17 | 14 45 | 0 21 | 15 32 | 0 27 | 8 36 | 16 53 | 19 32 | 19 22 | 3 46 | 15 59 | 3 47 |
| M30 | 15 33 | 25 31 | 4 13 | 22 5 | 0 44 | 0 37 | 5 44 | 8 36 | 2 20 | 5 31 | 1 30 | 10 38 | 2 17 | 14 45 | 0 21 | 15 32 | 0 27 | 8 35 | 16 53 | 19 29 | 19 21 | 3 43 | 15 59 | 3 47 |
| T 31 | 15s15 | 23n14 | 4n42 | 21s57 | 0s51 | 0n49 | 5n57 | 8s41 | 2n20 | 5n33 | 1n30 | 10n40 | 2s17 | 14n45 | 0s21 | 15s31 | 0s27 | 8s35 | 16s52 | 19n27 | 19n21 | 3n40 | 16n 0 | 3s47 |

Julian Day Number = 2214875.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'07, Lahiri = 14°49'07 Julian Calendar 1 Jan. 1352 == Greg. Calendar 9 Jan. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## FEBRUARY 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 13 27 | 19♒47'50 | 18♌56 | 26♉53 | 18°R16 | 28♎28 | 19°R24 | 3♉48 | 10♉44 | 19♒20 | 17♈51 | 26°R16 | 26♉ 2 | 0♎40 | 27♉32 | W 1 |
| T 2 | 9 17 24 | 20°48'19 | 1♍ 8 | 28°16 | 18♓13 | 28°45 | 19♍18 | 3°52 | 10°45 | 19°22 | 17°51 | 26♉ 2 | 25°58 | 0°47 | 27°32 | T 2 |
| F 3 | 9 21 20 | 21°48'46 | 13°12 | 29°41 | 18° 7 | 29° 1 | 19°12 | 3°56 | 10°46 | 19°24 | 17°52 | 25°48 | 25°55 | 0°53 | 27°33 | F 3 |
| S 4 | 9 25 17 | 22°49'11 | 25° 8 | 1♒ 7 | 17°59 | 29°17 | 19° 6 | 4° 0 | 10°47 | 19°27 | 17°53 | 25°35 | 25°52 | 1° 0 | 27°33 | S 4 |
| S 5 | 9 29 14 | 23°49'35 | 6♎59 | 2°34 | 17°48 | 29°32 | 19° 0 | 4° 4 | 10°48 | 19°29 | 17°54 | 25°26 | 25°49 | 1° 7 | 27°34 | S 5 |
| M 6 | 9 33 10 | 24°49'58 | 18°48 | 4° 2 | 17°35 | 29°47 | 18°53 | 4° 8 | 10°50 | 19°31 | 17°55 | 25°19 | 25°46 | 1°14 | 27°34 | M 6 |
| T 7 | 9 37 7 | 25°50'18 | 0♏38 | 5°31 | 17°19 | 0♏ 1 | 18°47 | 4°12 | 10°51 | 19°34 | 17°56 | 25°15 | 25°43 | 1°20 | 27°35 | T 7 |
| W 8 | 9 41 3 | 26°50'38 | 12°34 | 7° 1 | 17° 1 | 0°15 | 18°40 | 4°17 | 10°52 | 19°36 | 17°57 | 25°13 | 25°39 | 1°27 | 27°36 | W 8 |
| T 9 | 9 45 0 | 27°50'56 | 24°41 | 8°32 | 16°41 | 0°29 | 18°33 | 4°21 | 10°54 | 19°38 | 17°58 | 25°13 | 25°36 | 1°34 | 27°37 | T 9 |
| F 10 | 9 48 56 | 28°51'13 | 7♐ 5 | 10° 5 | 16°18 | 0°41 | 18°26 | 4°26 | 10°55 | 19°40 | 17°59 | 25°13 | 25°33 | 1°40 | 27°38 | F 10 |
| S 11 | 9 52 53 | 29°51'28 | 19°49 | 11°38 | 15°53 | 0°54 | 18°19 | 4°31 | 10°57 | 19°43 | 18° 0 | 25°12 | 25°30 | 1°47 | 27°39 | S 11 |
| S 12 | 9 56 49 | 0♓51'42 | 3♑ 0 | 13°12 | 15°26 | 1° 5 | 18°12 | 4°35 | 10°59 | 19°45 | 18° 1 | 25° 9 | 25°27 | 1°54 | 27°40 | S 12 |
| M13 | 10 0 46 | 1°51'54 | 16°41 | 14°48 | 14°57 | 1°16 | 18° 5 | 4°40 | 11° 0 | 19°47 | 18° 2 | 25° 3 | 25°23 | 2° 0 | 27°41 | M13 |
| T 14 | 10 4 43 | 2°52'04 | 0♒51 | 16°24 | 14°26 | 1°27 | 17°58 | 4°45 | 11° 2 | 19°49 | 18° 3 | 24°54 | 25°20 | 2° 7 | 27°43 | T 14 |
| W15 | 10 8 39 | 3°52'13 | 15°28 | 18° 2 | 13°54 | 1°37 | 17°50 | 4°50 | 11° 4 | 19°52 | 18° 4 | 24°44 | 25°17 | 2°14 | 27°44 | W15 |
| T 16 | 10 12 36 | 4°52'20 | 0♓25 | 19°41 | 13°20 | 1°47 | 17°43 | 4°55 | 11° 6 | 19°54 | 18° 5 | 24°32 | 25°14 | 2°20 | 27°45 | T 16 |
| F 17 | 10 16 32 | 5°52'25 | 15°35 | 21°20 | 12°45 | 1°55 | 17°35 | 5° 0 | 11° 7 | 19°56 | 18° 6 | 24°21 | 25°11 | 2°27 | 27°47 | F 17 |
| S 18 | 10 20 29 | 6°52'28 | 0♈45 | 23° 1 | 12° 9 | 2° 4 | 17°28 | 5° 6 | 11° 9 | 19°58 | 18° 7 | 24°11 | 25° 8 | 2°34 | 27°48 | S 18 |
| S 19 | 10 24 25 | 7°52'29 | 15°47 | 24°43 | 11°32 | 2°11 | 17°20 | 5°11 | 11°11 | 20° 0 | 18° 8 | 24° 4 | 25° 4 | 2°41 | 27°50 | S 19 |
| M20 | 10 28 22 | 8°52'27 | 0♉30 | 26°26 | 10°54 | 2°18 | 17°13 | 5°16 | 11°13 | 20° 3 | 18° 9 | 24° 0 | 25° 1 | 2°47 | 27°52 | M20 |
| T 21 | 10 32 18 | 9°52'24 | 14°52 | 28°11 | 10°17 | 2°24 | 17° 5 | 5°22 | 11°15 | 20° 5 | 18°10 | 23°58 | 24°58 | 2°54 | 27°53 | T 21 |
| W22 | 10 36 15 | 10°52'18 | 28°49 | 29°56 | 9°39 | 2°30 | 16°57 | 5°27 | 11°17 | 20° 7 | 18°11 | 23°D58 | 24°55 | 3° 1 | 27°55 | W22 |
| T 23 | 10 40 11 | 11°52'11 | 12♊22 | 1♓42 | 9° 1 | 2°35 | 16°50 | 5°33 | 11°19 | 20° 9 | 18°13 | 23°R58 | 24°52 | 3° 7 | 27°57 | T 23 |
| F 24 | 10 44 8 | 12°52'01 | 25°34 | 3°30 | 8°24 | 2°40 | 16°42 | 5°39 | 11°22 | 20°11 | 18°14 | 23°58 | 24°49 | 3°14 | 27°59 | F 24 |
| S 25 | 10 48 5 | 13°51'48 | 8♋28 | 5°19 | 7°48 | 2°43 | 16°34 | 5°44 | 11°24 | 20°13 | 18°15 | 23°55 | 24°45 | 3°21 | 28° 1 | S 25 |
| S 26 | 10 52 1 | 14°51'34 | 21° 6 | 7° 9 | 7°13 | 2°46 | 16°26 | 5°50 | 11°26 | 20°15 | 18°16 | 23°50 | 24°42 | 3°27 | 28° 3 | S 26 |
| M27 | 10 55 58 | 15°51'17 | 3♌32 | 9° 0 | 6°39 | 2°49 | 16°19 | 5°56 | 11°28 | 20°18 | 18°17 | 23°42 | 24°39 | 3°34 | 28° 5 | M27 |
| T 28 | 10 59 54 | 16°50'58 | 15°49 | 10°52 | 6° 6 | 2°50 | 16°11 | 6° 2 | 11°31 | 20°20 | 18°18 | 23°32 | 24°36 | 3°41 | 28° 8 | T 28 |
| W29 | 11 3 51 | 17♓50'36 | 27♌57 | 12♓46 | 5♓35 | 2♏51 | 16♍ 3 | 6♉ 8 | 11♉33 | 20♒22 | 18♈20 | 23♉20 | 24♉33 | 3♎47 | 28♉10 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s56 | 19n54 | 4n57 | 21s49 | 0s59 | 1n 0 | 6n 9 | 8s47 | 2n20 | 5n36 | 1n30 | 10n41 | 2s17 | 14n46 | 0s21 | 15s30 | 0s27 | 8s34 | 16s52 | 19n23 | 19n20 | 3n37 | 16n 0 | 3s47 |
| T 2 | 14 37 | 15 45 | 4 58 | 21 39 | 1 5 | 1 10 | 6 21 | 8 53 | 2 21 | 5 38 | 1 31 | 10 43 | 2 16 | 14 46 | 0 21 | 15 29 | 0 27 | 8 34 | 16 52 | 19 20 | 19 19 | 3 34 | 16 0 | 3 46 |
| F 3 | 14 17 | 11 1 | 4 46 | 21 28 | 1 12 | 1 19 | 6 34 | 8 58 | 2 21 | 5 41 | 1 31 | 10 44 | 2 16 | 14 47 | 0 21 | 15 29 | 0 27 | 8 33 | 16 52 | 19 17 | 19 18 | 3 31 | 16 0 | 3 46 |
| S 4 | 13 57 | 5 56 | 4 21 | 21 15 | 1 18 | 1 27 | 6 45 | 9 3 | 2 21 | 5 43 | 1 31 | 10 46 | 2 16 | 14 47 | 0 21 | 15 28 | 0 27 | 8 32 | 16 51 | 19 14 | 19 18 | 3 28 | 16 1 | 3 46 |
| S 5 | 13 38 | 0 40 | 3 45 | 21 1 | 1 24 | 1 34 | 6 57 | 9 8 | 2 22 | 5 46 | 1 31 | 10 48 | 2 16 | 14 47 | 0 21 | 15 27 | 0 27 | 8 32 | 16 51 | 19 11 | 19 17 | 3 25 | 16 1 | 3 46 |
| M 6 | 13 17 | 4s37 | 3 0 | 20 46 | 1 30 | 1 39 | 7 8 | 9 13 | 2 22 | 5 49 | 1 31 | 10 49 | 2 15 | 14 48 | 0 21 | 15 27 | 0 27 | 8 31 | 16 51 | 19 10 | 19 16 | 3 21 | 16 1 | 3 46 |
| T 7 | 12 57 | 9 46 | 2 6 | 20 29 | 1 35 | 1 43 | 7 19 | 9 18 | 2 22 | 5 51 | 1 31 | 10 51 | 2 15 | 14 48 | 0 21 | 15 26 | 0 27 | 8 31 | 16 50 | 19 9 | 19 15 | 3 18 | 16 2 | 3 46 |
| W 8 | 12 37 | 14 37 | 1 6 | 20 12 | 1 40 | 1 46 | 7 30 | 9 22 | 2 23 | 5 54 | 1 32 | 10 53 | 2 15 | 14 49 | 0 21 | 15 25 | 0 27 | 8 30 | 16 50 | 19 8 | 19 15 | 3 15 | 16 2 | 3 45 |
| T 9 | 12 16 | 18 58 | 0 3 | 19 52 | 1 44 | 1 47 | 7 40 | 9 27 | 2 23 | 5 57 | 1 32 | 10 54 | 2 14 | 14 49 | 0 21 | 15 25 | 0 27 | 8 29 | 16 50 | 19 8 | 19 14 | 3 12 | 16 2 | 3 45 |
| F 10 | 11 55 | 22 36 | 1s 2 | 19 31 | 1 49 | 1 47 | 7 50 | 9 31 | 2 23 | 6 0 | 1 32 | 10 56 | 2 14 | 14 50 | 0 21 | 15 24 | 0 27 | 8 29 | 16 50 | 19 8 | 19 13 | 3 9 | 16 3 | 3 45 |
| S 11 | 11 34 | 25 14 | 2 6 | 19 9 | 1 52 | 1 46 | 7 59 | 9 35 | 2 24 | 6 3 | 1 32 | 10 58 | 2 14 | 14 50 | 0 21 | 15 23 | 0 27 | 8 28 | 16 49 | 19 8 | 19 12 | 3 6 | 16 3 | 3 45 |
| S 12 | 11 12 | 26 35 | 3 6 | 18 46 | 1 56 | 1 43 | 8 7 | 9 39 | 2 24 | 6 6 | 1 32 | 11 0 | 2 14 | 14 51 | 0 21 | 15 22 | 0 27 | 8 28 | 16 49 | 19 7 | 19 11 | 3 3 | 16 4 | 3 45 |
| M13 | 10 51 | 26 23 | 3 56 | 18 21 | 1 59 | 1 39 | 8 15 | 9 42 | 2 24 | 6 9 | 1 32 | 11 2 | 2 13 | 14 51 | 0 21 | 15 22 | 0 27 | 8 27 | 16 49 | 19 6 | 19 11 | 2 59 | 16 4 | 3 44 |
| T 14 | 10 29 | 24 30 | 4 35 | 17 55 | 2 2 | 1 34 | 8 22 | 9 46 | 2 24 | 6 12 | 1 33 | 11 4 | 2 13 | 14 52 | 0 21 | 15 21 | 0 27 | 8 26 | 16 48 | 19 4 | 19 10 | 2 56 | 16 5 | 3 44 |
| W15 | 10 7 | 20 58 | 4 57 | 17 27 | 2 4 | 1 28 | 8 28 | 9 49 | 2 24 | 6 15 | 1 33 | 11 5 | 2 13 | 14 52 | 0 21 | 15 20 | 0 27 | 8 26 | 16 48 | 19 1 | 19 9 | 2 53 | 16 5 | 3 44 |
| T 16 | 9 46 | 16 1 | 4 59 | 16 58 | 2 6 | 1 20 | 8 33 | 9 52 | 2 25 | 6 18 | 1 33 | 11 7 | 2 13 | 14 53 | 0 21 | 15 20 | 0 27 | 8 25 | 16 48 | 18 58 | 19 8 | 2 50 | 16 6 | 3 44 |
| F 17 | 9 23 | 10 0 | 4 40 | 16 27 | 2 8 | 1 10 | 8 38 | 9 55 | 2 25 | 6 21 | 1 33 | 11 9 | 2 13 | 14 54 | 0 21 | 15 19 | 0 27 | 8 25 | 16 48 | 18 56 | 19 8 | 2 47 | 16 6 | 3 44 |
| S 18 | 9 1 | 3 24 | 4 2 | 15 55 | 2 9 | 1 0 | 8 41 | 9 58 | 2 25 | 6 24 | 1 33 | 11 11 | 2 12 | 14 54 | 0 21 | 15 18 | 0 27 | 8 24 | 16 47 | 18 53 | 19 7 | 2 44 | 16 7 | 3 44 |
| S 19 | 8 39 | 3n21 | 3 7 | 15 22 | 2 10 | 0 49 | 8 44 | 10 0 | 2 25 | 6 27 | 1 33 | 11 13 | 2 12 | 14 55 | 0 21 | 15 18 | 0 27 | 8 23 | 16 47 | 18 51 | 19 6 | 2 40 | 16 7 | 3 43 |
| M20 | 8 16 | 9 48 | 2 1 | 14 47 | 2 10 | 0 36 | 8 46 | 10 3 | 2 25 | 6 30 | 1 33 | 11 15 | 2 12 | 14 55 | 0 21 | 15 17 | 0 27 | 8 23 | 16 47 | 18 50 | 19 5 | 2 37 | 16 8 | 3 43 |
| T 21 | 7 54 | 15 35 | 0 48 | 14 11 | 2 10 | 0 23 | 8 46 | 10 5 | 2 25 | 6 33 | 1 33 | 11 17 | 2 12 | 14 56 | 0 20 | 15 16 | 0 27 | 8 22 | 16 47 | 18 50 | 19 5 | 2 34 | 16 8 | 3 43 |
| W22 | 7 31 | 20 23 | 0n26 | 13 33 | 2 9 | 0 9 | 8 46 | 10 7 | 2 25 | 6 36 | 1 33 | 11 19 | 2 11 | 14 57 | 0 20 | 15 16 | 0 27 | 8 21 | 16 47 | 18 50 | 19 4 | 2 31 | 16 9 | 3 43 |
| T 23 | 7 8 | 23 57 | 1 36 | 12 54 | 2 8 | 0s 6 | 8 45 | 10 8 | 2 25 | 6 39 | 1 33 | 11 21 | 2 11 | 14 57 | 0 20 | 15 15 | 0 27 | 8 21 | 16 46 | 18 50 | 19 3 | 2 28 | 16 9 | 3 43 |
| F 24 | 6 45 | 26 6 | 2 39 | 12 13 | 2 6 | 0 22 | 8 42 | 10 10 | 2 25 | 6 42 | 1 34 | 11 23 | 2 11 | 14 58 | 0 20 | 15 14 | 0 27 | 8 20 | 16 46 | 18 50 | 19 2 | 2 25 | 16 10 | 3 43 |
| S 25 | 6 22 | 26 48 | 3 33 | 11 31 | 2 4 | 0 38 | 8 39 | 10 11 | 2 25 | 6 45 | 1 34 | 11 26 | 2 11 | 14 59 | 0 20 | 15 14 | 0 27 | 8 20 | 16 46 | 18 49 | 19 2 | 2 21 | 16 10 | 3 42 |
| S 26 | 5 59 | 26 3 | 4 15 | 10 48 | 2 2 | 0 55 | 8 35 | 10 12 | 2 25 | 6 48 | 1 34 | 11 28 | 2 11 | 15 0 | 0 20 | 15 13 | 0 27 | 8 19 | 16 46 | 18 48 | 19 1 | 2 18 | 16 11 | 3 42 |
| M27 | 5 36 | 24 2 | 4 44 | 10 4 | 1 59 | 1 12 | 8 30 | 10 13 | 2 25 | 6 52 | 1 34 | 11 30 | 2 10 | 15 0 | 0 20 | 15 12 | 0 27 | 8 18 | 16 45 | 18 46 | 19 0 | 2 15 | 16 12 | 3 42 |
| T 28 | 5 13 | 20 55 | 4 59 | 9 18 | 1 55 | 1 30 | 8 24 | 10 14 | 2 25 | 6 55 | 1 34 | 11 32 | 2 10 | 15 1 | 0 20 | 15 12 | 0 27 | 8 18 | 16 45 | 18 43 | 18 59 | 2 12 | 16 12 | 3 42 |
| W29 | 4s49 | 16n56 | 5n 1 | 8s30 | 1s51 | 1s47 | 8n17 | 10s14 | 2n25 | 6n58 | 1n34 | 11n34 | 2s10 | 15n 2 | 0s20 | 15s11 | 0s27 | 8s17 | 16s45 | 18n40 | 18n58 | 2n 9 | 16n13 | 3s42 |

Julian Day Number = 2214906.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'11, Lahiri = 14°49'11 Julian Calendar 1 Feb. 1352 == Greg. Calendar 9 Feb. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## MARCH 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 7 47 | 18♓50'13 | 9♍58 | 14♓41 | 5°R 5 | 2°R51 | 15°R55 | 6♉14 | 11♉35 | 20♒24 | 18♈21 | 23°R 7 | 24♉29 | 3♎54 | 28♉12 | T 1 |
| F 2 | 11 11 44 | 19°49'47 | 21°55 | 16°37 | 4♓38 | 2♏51 | 15♍47 | 6°20 | 11°38 | 20°26 | 18°22 | 22♉55 | 24°26 | 4° 1 | 28°15 | F 2 |
| S 3 | 11 15 40 | 20°49'20 | 3♎47 | 18°34 | 4°12 | 2°49 | 15°40 | 6°26 | 11°40 | 20°28 | 18°23 | 22°44 | 24°23 | 4° 8 | 28°17 | S 3 |
| S 4 | 11 19 37 | 21°48'50 | 15°37 | 20°32 | 3°49 | 2°47 | 15°32 | 6°33 | 11°43 | 20°30 | 18°25 | 22°36 | 24°20 | 4°14 | 28°20 | S 4 |
| M 5 | 11 23 34 | 22°48'18 | 27°27 | 22°31 | 3°28 | 2°44 | 15°24 | 6°39 | 11°45 | 20°32 | 18°26 | 22°30 | 24°17 | 4°21 | 28°22 | M 5 |
| T 6 | 11 27 30 | 23°47'45 | 9♏18 | 24°31 | 3°10 | 2°41 | 15°17 | 6°45 | 11°48 | 20°34 | 18°27 | 22°27 | 24°14 | 4°28 | 28°25 | T 6 |
| W 7 | 11 31 27 | 24°47'10 | 21°16 | 26°31 | 2°54 | 2°37 | 15° 9 | 6°52 | 11°50 | 20°36 | 18°29 | 22°D26 | 24°10 | 4°34 | 28°28 | W 7 |
| T 8 | 11 35 23 | 25°46'33 | 3♐24 | 28°33 | 2°40 | 2°31 | 15° 1 | 6°58 | 11°53 | 20°38 | 18°30 | 22°26 | 24° 7 | 4°41 | 28°31 | T 8 |
| F 9 | 11 39 20 | 26°45'54 | 15°46 | 0♑35 | 2°29 | 2°26 | 14°54 | 7° 5 | 11°56 | 20°40 | 18°31 | 22°27 | 24° 4 | 4°48 | 28°33 | F 9 |
| S 10 | 11 43 16 | 27°45'13 | 28°28 | 2°37 | 2°20 | 2°19 | 14°46 | 7°11 | 11°58 | 20°42 | 18°32 | 22°R28 | 24° 1 | 4°54 | 28°36 | S 10 |
| S 11 | 11 47 13 | 28°44'31 | 11♒33 | 4°40 | 2°14 | 2°12 | 14°39 | 7°18 | 12° 1 | 20°44 | 18°34 | 22°27 | 23°58 | 5° 1 | 28°39 | S 11 |
| M12 | 11 51 9 | 29°43'46 | 25° 6 | 6°43 | 2°10 | 2° 3 | 14°32 | 7°25 | 12° 4 | 20°46 | 18°35 | 22°24 | 23°55 | 5° 8 | 28°42 | M12 |
| T 13 | 11 55 6 | 0♑43'00 | 9♒ 9 | 8°45 | 2°D 9 | 1°54 | 14°24 | 7°31 | 12° 6 | 20°47 | 18°36 | 22°19 | 23°51 | 5°14 | 28°45 | T 13 |
| W14 | 11 59 3 | 1°42'12 | 23°39 | 10°47 | 2°10 | 1°45 | 14°17 | 7°38 | 12° 9 | 20°49 | 18°38 | 22°13 | 23°48 | 5°21 | 28°48 | W14 |
| T 15 | 12 2 59 | 2°41'23 | 8♓34 | 12°47 | 2°13 | 1°34 | 14°10 | 7°45 | 12°12 | 20°51 | 18°39 | 22° 5 | 23°45 | 5°28 | 28°52 | T 15 |
| F 16 | 12 6 56 | 3°40'31 | 23°45 | 14°47 | 2°19 | 1°23 | 14° 3 | 7°52 | 12°15 | 20°53 | 18°40 | 21°57 | 23°42 | 5°35 | 28°55 | F 16 |
| S 17 | 12 10 52 | 4°39'37 | 9♈ 3 | 16°44 | 2°27 | 1°11 | 13°56 | 7°59 | 12°18 | 20°55 | 18°42 | 21°51 | 23°39 | 5°41 | 28°58 | S 17 |
| S 18 | 12 14 49 | 5°38'41 | 24°15 | 18°40 | 2°37 | 0°58 | 13°49 | 8° 6 | 12°21 | 20°56 | 18°43 | 21°46 | 23°35 | 5°48 | 29° 1 | S 18 |
| M19 | 12 18 45 | 6°37'43 | 9♉13 | 20°33 | 2°49 | 0°44 | 13°43 | 8°13 | 12°24 | 20°58 | 18°45 | 21°44 | 23°32 | 5°55 | 29° 5 | M19 |
| T 20 | 12 22 42 | 7°36'43 | 23°50 | 22°24 | 3° 3 | 0°30 | 13°36 | 8°20 | 12°27 | 21° 0 | 18°46 | 21°D43 | 23°29 | 6° 1 | 29° 8 | T 20 |
| W21 | 12 26 38 | 8°35'40 | 8♊ 0 | 24°11 | 3°20 | 0°15 | 13°30 | 8°27 | 12°30 | 21° 2 | 18°47 | 21°44 | 23°26 | 6° 8 | 29°12 | W21 |
| T 22 | 12 30 35 | 9°34'36 | 21°44 | 25°55 | 3°38 | 29♎59 | 13°23 | 8°34 | 12°33 | 21° 3 | 18°49 | 21°45 | 23°23 | 6°15 | 29°15 | T 22 |
| F 23 | 12 34 32 | 10°33'29 | 5♋ 1 | 27°35 | 3°58 | 29°44 | 13°17 | 8°41 | 12°36 | 21° 5 | 18°50 | 21°R46 | 23°20 | 6°21 | 29°19 | F 23 |
| S 24 | 12 38 28 | 11°32'19 | 17°56 | 29°10 | 4°20 | 29°27 | 13°11 | 8°49 | 12°39 | 21° 6 | 18°51 | 21°46 | 23°16 | 6°28 | 29°22 | S 24 |
| S 25 | 12 42 25 | 12°31'07 | 0♌32 | 0♉42 | 4°43 | 29° 9 | 13° 5 | 8°56 | 12°42 | 21° 8 | 18°53 | 21°44 | 23°13 | 6°35 | 29°26 | S 25 |
| M26 | 12 46 21 | 13°29'53 | 12°52 | 2° 9 | 5° 9 | 28°51 | 12°59 | 9° 3 | 12°45 | 21°10 | 18°54 | 21°41 | 23°10 | 6°41 | 29°30 | M26 |
| T 27 | 12 50 18 | 14°28'37 | 25° 1 | 3°31 | 5°36 | 28°33 | 12°53 | 9°10 | 12°48 | 21°11 | 18°56 | 21°36 | 23° 7 | 6°48 | 29°34 | T 27 |
| W28 | 12 54 14 | 15°27'19 | 7♍ 1 | 4°47 | 6° 4 | 28°14 | 12°47 | 9°18 | 12°52 | 21°13 | 18°57 | 21°30 | 23° 4 | 6°55 | 29°37 | W28 |
| T 29 | 12 58 11 | 16°25'58 | 18°56 | 5°59 | 6°34 | 27°54 | 12°42 | 9°25 | 12°55 | 21°14 | 18°58 | 21°23 | 23° 0 | 7° 1 | 29°41 | T 29 |
| F 30 | 13 2 7 | 17°24'35 | 0♎47 | 7° 6 | 7° 6 | 27°34 | 12°36 | 9°33 | 12°58 | 21°16 | 19° 0 | 21°17 | 22°57 | 7° 8 | 29°45 | F 30 |
| S 31 | 13 6 4 | 18♈23'10 | 12♎37 | 8♉ 6 | 7♓39 | 27♎14 | 12♍31 | 9♉40 | 13♉ 1 | 21♒17 | 19♈ 1 | 21♉12 | 22♉54 | 7♎15 | 29♉49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s26 | 12n19 | 4n49 | 7s42 | 1s47 | 2s 4 | 8n10 | 10s14 | 2n25 | 7n 1 | 1n34 | 11n36 | 2s10 | 15n 3 | 0s20 | 15s10 | 0s27 | 8s16 | 16s45 | 18n37 | 18n58 | 2n 6 | 16n14 | 3s42 |
| F 2 | 4 2 | 7 16 | 4 25 | 6 52 | 1 42 | 2 22 | 8 2 | 10 14 | 2 25 | 7 4 | 1 34 | 11 39 | 2 9 | 15 3 | 0 20 | 15 10 | 0 27 | 8 16 | 16 45 | 18 34 | 18 57 | 2 2 | 16 14 | 3 42 |
| S 3 | 3 39 | 2 0 | 3 49 | 6 1 | 1 36 | 2 39 | 7 53 | 10 14 | 2 24 | 7 7 | 1 34 | 11 41 | 2 9 | 15 4 | 0 20 | 15 9 | 0 27 | 8 15 | 16 45 | 18 31 | 18 56 | 1 59 | 16 15 | 3 41 |
| S 4 | 3 15 | 3s21 | 3 3 | 5 8 | 1 30 | 2 56 | 7 44 | 10 14 | 2 24 | 7 10 | 1 34 | 11 43 | 2 9 | 15 5 | 0 20 | 15 8 | 0 27 | 8 15 | 16 44 | 18 29 | 18 55 | 1 56 | 16 16 | 3 41 |
| M 5 | 2 52 | 8 35 | 2 9 | 4 15 | 1 23 | 3 13 | 7 34 | 10 13 | 2 24 | 7 13 | 1 34 | 11 45 | 2 9 | 15 6 | 0 20 | 15 8 | 0 27 | 8 14 | 16 44 | 18 28 | 18 55 | 1 53 | 16 16 | 3 41 |
| T 6 | 2 28 | 13 33 | 1 10 | 3 21 | 1 16 | 3 29 | 7 24 | 10 12 | 2 23 | 7 16 | 1 34 | 11 48 | 2 9 | 15 6 | 0 20 | 15 7 | 0 27 | 8 13 | 16 44 | 18 27 | 18 54 | 1 50 | 16 17 | 3 41 |
| W 7 | 2 5 | 18 3 | 0 6 | 2 25 | 1 8 | 3 45 | 7 13 | 10 11 | 2 23 | 7 19 | 1 34 | 11 50 | 2 9 | 15 7 | 0 20 | 15 7 | 0 27 | 8 13 | 16 44 | 18 27 | 18 53 | 1 47 | 16 18 | 3 41 |
| T 8 | 1 41 | 21 52 | 0s59 | 1 29 | 0 59 | 4 0 | 7 2 | 10 10 | 2 23 | 7 22 | 1 34 | 11 52 | 2 8 | 15 8 | 0 20 | 15 6 | 0 27 | 8 12 | 16 44 | 18 27 | 18 52 | 1 43 | 16 19 | 3 41 |
| F 9 | 1 17 | 24 47 | 2 2 | 0 32 | 0 50 | 4 14 | 6 50 | 10 8 | 2 22 | 7 25 | 1 34 | 11 54 | 2 8 | 15 9 | 0 20 | 15 5 | 0 27 | 8 11 | 16 44 | 18 27 | 18 51 | 1 40 | 16 19 | 3 41 |
| S 10 | 0 54 | 26 32 | 3 1 | 0n25 | 0 41 | 4 28 | 6 39 | 10 6 | 2 22 | 7 27 | 1 34 | 11 57 | 2 8 | 15 10 | 0 20 | 15 5 | 0 28 | 8 11 | 16 43 | 18 27 | 18 51 | 1 37 | 16 20 | 3 40 |
| S 11 | 0 30 | 26 53 | 3 53 | 1 23 | 0 31 | 4 42 | 6 27 | 10 4 | 2 21 | 7 30 | 1 34 | 11 59 | 2 8 | 15 11 | 0 20 | 15 4 | 0 28 | 8 10 | 16 43 | 18 27 | 18 50 | 1 34 | 16 21 | 3 40 |
| M12 | 0 6 | 25 40 | 4 33 | 2 21 | 0 21 | 4 54 | 6 15 | 10 2 | 2 20 | 7 33 | 1 34 | 12 1 | 2 8 | 15 12 | 0 20 | 15 4 | 0 28 | 8 10 | 16 43 | 18 26 | 18 49 | 1 31 | 16 22 | 3 40 |
| T 13 | 0n17 | 22 50 | 4 59 | 3 19 | 0 10 | 5 6 | 6 3 | 10 0 | 2 20 | 7 36 | 1 34 | 12 4 | 2 7 | 15 12 | 0 20 | 15 3 | 0 28 | 8 9 | 16 43 | 18 25 | 18 48 | 1 27 | 16 22 | 3 40 |
| W14 | 0 41 | 18 30 | 5 7 | 4 17 | 0n 1 | 5 17 | 5 51 | 9 57 | 2 19 | 7 39 | 1 34 | 12 6 | 2 7 | 15 13 | 0 20 | 15 2 | 0 28 | 8 8 | 16 43 | 18 23 | 18 47 | 1 24 | 16 23 | 3 40 |
| T 15 | 1 4 | 12 56 | 4 54 | 5 15 | 0 12 | 5 27 | 5 39 | 9 54 | 2 18 | 7 41 | 1 34 | 12 8 | 2 7 | 15 14 | 0 20 | 15 2 | 0 28 | 8 8 | 16 43 | 18 21 | 18 47 | 1 21 | 16 24 | 3 40 |
| F 16 | 1 28 | 6 29 | 4 21 | 6 12 | 0 23 | 5 37 | 5 26 | 9 51 | 2 17 | 7 44 | 1 33 | 12 11 | 2 7 | 15 15 | 0 20 | 15 1 | 0 28 | 8 7 | 16 43 | 18 19 | 18 46 | 1 18 | 16 25 | 3 40 |
| S 17 | 1 51 | 0n23 | 3 29 | 7 8 | 0 35 | 5 45 | 5 14 | 9 48 | 2 16 | 7 47 | 1 33 | 12 13 | 2 7 | 15 16 | 0 20 | 15 1 | 0 28 | 8 7 | 16 43 | 18 18 | 18 45 | 1 15 | 16 26 | 3 40 |
| S 18 | 2 15 | 7 13 | 2 23 | 8 4 | 0 47 | 5 53 | 5 2 | 9 44 | 2 15 | 7 49 | 1 33 | 12 16 | 2 7 | 15 17 | 0 20 | 15 0 | 0 28 | 8 6 | 16 43 | 18 16 | 18 44 | 1 11 | 16 27 | 3 39 |
| M19 | 2 38 | 13 34 | 1 7 | 8 57 | 0 58 | 6 0 | 4 50 | 9 41 | 2 14 | 7 52 | 1 33 | 12 18 | 2 7 | 15 18 | 0 20 | 15 0 | 0 28 | 8 6 | 16 42 | 18 16 | 18 43 | 1 8 | 16 27 | 3 39 |
| T 20 | 3 2 | 18 59 | 0n11 | 9 50 | 1 10 | 6 6 | 4 38 | 9 37 | 2 13 | 7 54 | 1 33 | 12 20 | 2 6 | 15 19 | 0 20 | 14 59 | 0 28 | 8 5 | 16 42 | 18 16 | 18 43 | 1 5 | 16 28 | 3 39 |
| W21 | 3 25 | 23 9 | 1 27 | 10 40 | 1 21 | 6 12 | 4 26 | 9 33 | 2 12 | 7 57 | 1 33 | 12 23 | 2 6 | 15 20 | 0 20 | 14 59 | 0 28 | 8 4 | 16 42 | 18 16 | 18 42 | 1 2 | 16 29 | 3 39 |
| T 22 | 3 48 | 25 51 | 2 35 | 11 29 | 1 32 | 6 16 | 4 14 | 9 28 | 2 11 | 7 59 | 1 33 | 12 25 | 2 6 | 15 21 | 0 20 | 14 58 | 0 28 | 8 4 | 16 42 | 18 16 | 18 41 | 0 59 | 16 30 | 3 39 |
| F 23 | 4 12 | 26 59 | 3 33 | 12 15 | 1 43 | 6 20 | 4 2 | 9 24 | 2 9 | 8 1 | 1 33 | 12 28 | 2 6 | 15 22 | 0 20 | 14 58 | 0 28 | 8 3 | 16 42 | 18 16 | 18 40 | 0 55 | 16 31 | 3 39 |
| S 24 | 4 35 | 26 35 | 4 18 | 12 59 | 1 53 | 6 23 | 3 50 | 9 19 | 2 8 | 8 4 | 1 33 | 12 30 | 2 6 | 15 22 | 0 20 | 14 57 | 0 28 | 8 3 | 16 42 | 18 16 | 18 39 | 0 52 | 16 32 | 3 39 |
| S 25 | 4 58 | 24 49 | 4 50 | 13 41 | 2 3 | 6 25 | 3 39 | 9 14 | 2 7 | 8 6 | 1 33 | 12 32 | 2 6 | 15 23 | 0 20 | 14 57 | 0 28 | 8 2 | 16 42 | 18 16 | 18 39 | 0 49 | 16 32 | 3 39 |
| M26 | 5 21 | 21 54 | 5 7 | 14 20 | 2 12 | 6 26 | 3 28 | 9 9 | 2 5 | 8 8 | 1 33 | 12 35 | 2 6 | 15 24 | 0 20 | 14 56 | 0 28 | 8 2 | 16 42 | 18 15 | 18 38 | 0 46 | 16 33 | 3 39 |
| T 27 | 5 44 | 18 5 | 5 10 | 14 56 | 2 21 | 6 27 | 3 17 | 9 4 | 2 4 | 8 10 | 1 32 | 12 37 | 2 5 | 15 25 | 0 20 | 14 56 | 0 28 | 8 1 | 16 42 | 18 14 | 18 37 | 0 43 | 16 34 | 3 39 |
| W28 | 6 6 | 13 35 | 4 59 | 15 30 | 2 28 | 6 27 | 3 6 | 8 59 | 2 2 | 8 12 | 1 32 | 12 40 | 2 5 | 15 26 | 0 20 | 14 55 | 0 28 | 8 0 | 16 42 | 18 12 | 18 36 | 0 39 | 16 35 | 3 38 |
| T 29 | 6 29 | 8 37 | 4 36 | 16 0 | 2 35 | 6 26 | 2 55 | 8 54 | 2 0 | 8 14 | 1 32 | 12 42 | 2 5 | 15 27 | 0 20 | 14 55 | 0 28 | 8 0 | 16 42 | 18 10 | 18 35 | 0 36 | 16 36 | 3 38 |
| F 30 | 6 52 | 3 22 | 4 0 | 16 28 | 2 41 | 6 24 | 2 44 | 8 48 | 1 59 | 8 16 | 1 32 | 12 45 | 2 5 | 15 28 | 0 20 | 14 54 | 0 28 | 7 59 | 16 42 | 18 9 | 18 35 | 0 33 | 16 37 | 3 38 |
| S 31 | 7n14 | 2s 1 | 3n15 | 16n53 | 2n47 | 6s21 | 2n34 | 8s43 | 1n57 | 8n18 | 1n32 | 12n47 | 2s 5 | 15n29 | 0s20 | 14s54 | 0s28 | 7s59 | 16s42 | 18n 7 | 18n34 | 0n30 | 16n38 | 3s38 |

Julian Day Number = 2214935.5, Delta T = 09m06s
Ecliptic obliquity = 23°31'30, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'15, Lahiri = 14°49'15 Julian Calendar 1 March 1352 == Greg. Calendar 9 March 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## APRIL 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 10 1 | 19♈21'43 | 24♎28 | 9♉ 2 | 8♓13 | 26°R53 | 12°R26 | 9♉47 | 13♉ 4 | 21♒19 | 19♈ 3 | 21°R 8 | 22♉51 | 7♎22 | 29♉53 | S 1 |
| M 2 | 13 13 57 | 20°20'14 | 6♏21 | 9°51 | 8°49 | 26♎32 | 12♍21 | 9°55 | 13° 8 | 21°20 | 19° 4 | 21♉ 5 | 22°48 | 7°28 | 29°57 | M 2 |
| T 3 | 13 17 54 | 21°18'44 | 18°19 | 10°35 | 9°25 | 26°11 | 12°17 | 10° 2 | 13°11 | 21°21 | 19° 5 | 21°D 4 | 22°45 | 7°35 | 0♊ 1 | T 3 |
| W 4 | 13 21 50 | 22°17'11 | 0♐25 | 11°13 | 10° 4 | 25°49 | 12°12 | 10°10 | 13°14 | 21°23 | 19° 7 | 21° 4 | 22°41 | 7°42 | 0° 5 | W 4 |
| T 5 | 13 25 47 | 23°15'37 | 12°40 | 11°46 | 10°43 | 25°27 | 12° 7 | 10°17 | 13°18 | 21°24 | 19° 8 | 21° 6 | 22°38 | 7°48 | 0° 9 | T 5 |
| F 6 | 13 29 43 | 24°14'02 | 25° 8 | 12°12 | 11°23 | 25° 5 | 12° 3 | 10°25 | 13°21 | 21°25 | 19°10 | 21° 7 | 22°35 | 7°55 | 0°13 | F 6 |
| S 7 | 13 33 40 | 25°12'24 | 7♑53 | 12°33 | 12° 4 | 24°43 | 11°59 | 10°33 | 13°24 | 21°26 | 19°11 | 21° 9 | 22°32 | 8° 2 | 0°18 | S 7 |
| S 8 | 13 37 36 | 26°10'45 | 20°58 | 12°47 | 12°47 | 24°20 | 11°55 | 10°40 | 13°28 | 21°28 | 19°12 | 21°R10 | 22°29 | 8° 8 | 0°22 | S 8 |
| M 9 | 13 41 33 | 27° 9'05 | 4♒26 | 12°57 | 13°30 | 23°58 | 11°51 | 10°48 | 13°31 | 21°29 | 19°14 | 21° 9 | 22°26 | 8°15 | 0°26 | M 9 |
| T 10 | 13 45 30 | 28° 7'23 | 18°19 | 13°R 0 | 14°14 | 23°35 | 11°48 | 10°56 | 13°34 | 21°30 | 19°15 | 21° 8 | 22°22 | 8°22 | 0°30 | T 10 |
| W11 | 13 49 26 | 29° 5'39 | 2♓36 | 12°58 | 15° 0 | 23°13 | 11°44 | 11° 3 | 13°38 | 21°31 | 19°16 | 21° 6 | 22°19 | 8°28 | 0°35 | W11 |
| T 12 | 13 53 23 | 0♉ 3'54 | 17°16 | 12°51 | 15°46 | 22°51 | 11°41 | 11°11 | 13°41 | 21°32 | 19°18 | 21° 4 | 22°16 | 8°35 | 0°39 | T 12 |
| F 13 | 13 57 19 | 1° 2'07 | 2♈13 | 12°38 | 16°33 | 22°28 | 11°38 | 11°19 | 13°45 | 21°33 | 19°19 | 21° 1 | 22°13 | 8°42 | 0°44 | F 13 |
| S 14 | 14 1 16 | 2° 0'19 | 17°19 | 12°22 | 17°20 | 22° 6 | 11°35 | 11°26 | 13°48 | 21°34 | 19°21 | 20°59 | 22°10 | 8°48 | 0°48 | S 14 |
| S 15 | 14 5 12 | 2°58'29 | 2♉26 | 12° 0 | 18° 9 | 21°45 | 11°32 | 11°34 | 13°51 | 21°35 | 19°22 | 20°57 | 22° 6 | 8°55 | 0°52 | S 15 |
| M16 | 14 9 9 | 3°56'37 | 17°24 | 11°35 | 18°58 | 21°23 | 11°30 | 11°42 | 13°55 | 21°36 | 19°23 | 20°D57 | 22° 3 | 9° 2 | 0°57 | M16 |
| T 17 | 14 13 5 | 4°54'44 | 2♊ 5 | 11° 7 | 19°48 | 21° 2 | 11°27 | 11°50 | 13°58 | 21°37 | 19°25 | 20°57 | 22° 0 | 9° 8 | 1° 1 | T 17 |
| W18 | 14 17 2 | 5°52'49 | 16°24 | 10°35 | 20°39 | 20°41 | 11°25 | 11°57 | 14° 2 | 21°38 | 19°26 | 20°58 | 21°57 | 9°15 | 1° 6 | W18 |
| T 19 | 14 20 59 | 6°50'52 | 0♋16 | 10° 1 | 21°30 | 20°21 | 11°23 | 12° 5 | 14° 5 | 21°39 | 19°27 | 20°59 | 21°54 | 9°22 | 1°10 | T 19 |
| F 20 | 14 24 55 | 7°48'53 | 13°42 | 9°26 | 22°22 | 20° 1 | 11°21 | 12°13 | 14° 9 | 21°40 | 19°29 | 21° 0 | 21°51 | 9°28 | 1°15 | F 20 |
| S 21 | 14 28 52 | 8°46'52 | 26°44 | 8°50 | 23°14 | 19°41 | 11°19 | 12°21 | 14°12 | 21°41 | 19°30 | 21° 0 | 21°47 | 9°35 | 1°20 | S 21 |
| S 22 | 14 32 48 | 9°44'49 | 9♌23 | 8°13 | 24° 7 | 19°22 | 11°18 | 12°29 | 14°16 | 21°42 | 19°31 | 21°R 1 | 21°44 | 9°42 | 1°24 | S 22 |
| M23 | 14 36 45 | 10°42'44 | 21°44 | 7°36 | 25° 1 | 19° 4 | 11°17 | 12°36 | 14°19 | 21°43 | 19°33 | 21° 1 | 21°41 | 9°49 | 1°29 | M23 |
| T 24 | 14 40 41 | 11°40'38 | 3♍51 | 7° 1 | 25°55 | 18°46 | 11°15 | 12°44 | 14°23 | 21°43 | 19°34 | 21° 0 | 21°38 | 9°55 | 1°34 | T 24 |
| W25 | 14 44 38 | 12°38'29 | 15°48 | 6°27 | 26°50 | 18°29 | 11°15 | 12°52 | 14°26 | 21°44 | 19°35 | 20°59 | 21°35 | 10° 2 | 1°38 | W25 |
| T 26 | 14 48 34 | 13°36'19 | 27°39 | 5°55 | 27°45 | 18°12 | 11°14 | 13° 0 | 14°30 | 21°45 | 19°37 | 20°58 | 21°32 | 10° 9 | 1°43 | T 26 |
| F 27 | 14 52 31 | 14°34'07 | 9♎29 | 5°26 | 28°41 | 17°56 | 11°13 | 13° 8 | 14°33 | 21°45 | 19°38 | 20°57 | 21°28 | 10°15 | 1°48 | F 27 |
| S 28 | 14 56 27 | 15°31'54 | 21°20 | 4°59 | 29°37 | 17°41 | 11°13 | 13°15 | 14°37 | 21°46 | 19°39 | 20°56 | 21°25 | 10°22 | 1°53 | S 28 |
| S 29 | 15 0 24 | 16°29'39 | 3♏14 | 4°36 | 0♈33 | 17°26 | 11°13 | 13°23 | 14°40 | 21°47 | 19°40 | 20°56 | 21°22 | 10°29 | 1°57 | S 29 |
| M30 | 15 4 21 | 17♉27'23 | 15♏15 | 4♉17 | 1♈30 | 17♎12 | 11°D13 | 13♉31 | 14♉44 | 21♒47 | 19♈42 | 20°D56 | 21♉19 | 10♎35 | 2♊ 2 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n36 | 7s20 | 2n20 | 17n15 | 2n51 | 6s18 | 2n23 | 8s37 | 1n55 | 8n20 | 1n32 | 12n50 | 2s 5 | 15n30 | 0s20 | 14s53 | 0s28 | 7s58 | 16s42 | 18n 6 | 18n33 | 0n27 | 16n39 | 3s38 |
| M 2 | 7 58 | 12 26 | 1 20 | 17 34 | 2 54 | 6 14 | 2 13 | 8 31 | 1 53 | 8 21 | 1 32 | 12 52 | 2 5 | 15 31 | 0 20 | 14 53 | 0 28 | 7 58 | 16 42 | 18 6 | 18 32 | 0 23 | 16 40 | 3 38 |
| T 3 | 8 20 | 17 6 | 0 15 | 17 50 | 2 56 | 6 9 | 2 3 | 8 25 | 1 51 | 8 23 | 1 31 | 12 54 | 2 5 | 15 32 | 0 20 | 14 53 | 0 28 | 7 57 | 16 42 | 18 5 | 18 31 | 0 20 | 16 41 | 3 38 |
| W 4 | 8 42 | 21 9 | 0s51 | 18 3 | 2 57 | 6 4 | 1 54 | 8 19 | 1 49 | 8 25 | 1 31 | 12 57 | 2 5 | 15 33 | 0 20 | 14 52 | 0 28 | 7 57 | 16 42 | 18 5 | 18 31 | 0 17 | 16 41 | 3 38 |
| T 5 | 9 4 | 24 19 | 1 56 | 18 13 | 2 57 | 5 58 | 1 44 | 8 13 | 1 47 | 8 26 | 1 31 | 12 59 | 2 4 | 15 34 | 0 20 | 14 52 | 0 28 | 7 56 | 16 42 | 18 6 | 18 30 | 0 14 | 16 42 | 3 38 |
| F 6 | 9 26 | 26 22 | 2 56 | 18 20 | 2 55 | 5 51 | 1 35 | 8 7 | 1 44 | 8 28 | 1 31 | 13 2 | 2 4 | 15 35 | 0 20 | 14 51 | 0 28 | 7 56 | 16 42 | 18 6 | 18 29 | 0 11 | 16 43 | 3 38 |
| S 7 | 9 47 | 27 6 | 3 50 | 18 23 | 2 52 | 5 44 | 1 26 | 8 1 | 1 42 | 8 29 | 1 31 | 13 4 | 2 4 | 15 36 | 0 20 | 14 51 | 0 28 | 7 55 | 16 42 | 18 7 | 18 28 | 0 7 | 16 44 | 3 38 |
| S 8 | 10 9 | 26 22 | 4 32 | 18 24 | 2 48 | 5 36 | 1 17 | 7 55 | 1 40 | 8 31 | 1 31 | 13 7 | 2 4 | 15 37 | 0 20 | 14 51 | 0 28 | 7 55 | 16 42 | 18 7 | 18 27 | 0 4 | 16 45 | 3 38 |
| M 9 | 10 30 | 24 6 | 5 2 | 18 22 | 2 43 | 5 28 | 1 8 | 7 49 | 1 38 | 8 32 | 1 30 | 13 9 | 2 4 | 15 38 | 0 20 | 14 50 | 0 28 | 7 54 | 16 42 | 18 7 | 18 27 | 0 1 | 16 46 | 3 38 |
| T 10 | 10 51 | 20 22 | 5 14 | 18 17 | 2 37 | 5 18 | 1 0 | 7 43 | 1 35 | 8 33 | 1 30 | 13 12 | 2 4 | 15 39 | 0 20 | 14 50 | 0 28 | 7 54 | 16 42 | 18 6 | 18 26 | 0s 2 | 16 47 | 3 38 |
| W11 | 11 11 | 15 22 | 5 9 | 18 9 | 2 29 | 5 8 | 0 51 | 7 37 | 1 33 | 8 34 | 1 30 | 13 14 | 2 4 | 15 41 | 0 20 | 14 50 | 0 28 | 7 53 | 16 42 | 18 6 | 18 25 | 0 6 | 16 48 | 3 38 |
| T 12 | 11 32 | 9 23 | 4 43 | 17 58 | 2 20 | 4 58 | 0 43 | 7 31 | 1 30 | 8 35 | 1 30 | 13 17 | 2 4 | 15 42 | 0 20 | 14 49 | 0 28 | 7 53 | 16 42 | 18 5 | 18 24 | 0 9 | 16 49 | 3 38 |
| F 13 | 11 53 | 2 45 | 3 57 | 17 44 | 2 9 | 4 47 | 0 35 | 7 25 | 1 28 | 8 36 | 1 30 | 13 19 | 2 4 | 15 43 | 0 20 | 14 49 | 0 28 | 7 53 | 16 42 | 18 5 | 18 23 | 0 12 | 16 50 | 3 37 |
| S 14 | 12 13 | 4n 8 | 2 55 | 17 28 | 1 58 | 4 36 | 0 28 | 7 19 | 1 25 | 8 37 | 1 29 | 13 21 | 2 4 | 15 44 | 0 20 | 14 49 | 0 28 | 7 52 | 16 42 | 18 4 | 18 22 | 0 15 | 16 51 | 3 37 |
| S 15 | 12 33 | 10 47 | 1 40 | 17 10 | 1 45 | 4 24 | 0 20 | 7 14 | 1 23 | 8 38 | 1 29 | 13 24 | 2 4 | 15 45 | 0 20 | 14 48 | 0 28 | 7 52 | 16 42 | 18 4 | 18 22 | 0 18 | 16 52 | 3 37 |
| M16 | 12 53 | 16 46 | 0 20 | 16 49 | 1 32 | 4 11 | 0 13 | 7 8 | 1 20 | 8 39 | 1 29 | 13 26 | 2 3 | 15 46 | 0 20 | 14 48 | 0 28 | 7 51 | 16 42 | 18 3 | 18 21 | 0 22 | 16 53 | 3 37 |
| T 17 | 13 12 | 21 39 | 1n 1 | 16 26 | 1 17 | 3 58 | 0 6 | 7 3 | 1 17 | 8 40 | 1 29 | 13 29 | 2 3 | 15 47 | 0 20 | 14 48 | 0 28 | 7 51 | 16 42 | 18 3 | 18 20 | 0 25 | 16 53 | 3 37 |
| W18 | 13 32 | 25 5 | 2 16 | 16 1 | 1 1 | 3 45 | 0s 1 | 6 57 | 1 15 | 8 40 | 1 29 | 13 31 | 2 3 | 15 48 | 0 20 | 14 47 | 0 28 | 7 50 | 16 42 | 18 4 | 18 19 | 0 28 | 16 54 | 3 37 |
| T 19 | 13 51 | 26 52 | 3 21 | 15 35 | 0 45 | 3 31 | 0 8 | 6 52 | 1 12 | 8 41 | 1 28 | 13 34 | 2 3 | 15 49 | 0 19 | 14 47 | 0 28 | 7 50 | 16 43 | 18 4 | 18 18 | 0 31 | 16 55 | 3 37 |
| F 20 | 14 10 | 27 0 | 4 12 | 15 8 | 0 29 | 3 16 | 0 15 | 6 47 | 1 9 | 8 41 | 1 28 | 13 36 | 2 3 | 15 50 | 0 19 | 14 47 | 0 28 | 7 50 | 16 43 | 18 4 | 18 18 | 0 35 | 16 56 | 3 37 |
| S 21 | 14 29 | 25 36 | 4 49 | 14 40 | 0 11 | 3 1 | 0 21 | 6 42 | 1 6 | 8 42 | 1 28 | 13 38 | 2 3 | 15 51 | 0 19 | 14 47 | 0 28 | 7 49 | 16 43 | 18 4 | 18 17 | 0 38 | 16 57 | 3 37 |
| S 22 | 14 47 | 22 57 | 5 10 | 14 12 | 0s 6 | 2 46 | 0 28 | 6 38 | 1 4 | 8 42 | 1 28 | 13 41 | 2 3 | 15 52 | 0 19 | 14 46 | 0 29 | 7 49 | 16 43 | 18 4 | 18 16 | 0 41 | 16 58 | 3 37 |
| M23 | 15 5 | 19 18 | 5 17 | 13 44 | 0 23 | 2 30 | 0 34 | 6 33 | 1 1 | 8 43 | 1 28 | 13 43 | 2 3 | 15 53 | 0 19 | 14 46 | 0 29 | 7 48 | 16 43 | 18 4 | 18 15 | 0 44 | 16 59 | 3 37 |
| T 24 | 15 23 | 14 55 | 5 9 | 13 16 | 0 40 | 2 14 | 0 40 | 6 29 | 0 58 | 8 43 | 1 27 | 13 46 | 2 3 | 15 54 | 0 19 | 14 46 | 0 29 | 7 48 | 16 43 | 18 4 | 18 14 | 0 47 | 17 0 | 3 37 |
| W25 | 15 41 | 10 2 | 4 48 | 12 49 | 0 58 | 1 57 | 0 45 | 6 25 | 0 55 | 8 43 | 1 27 | 13 48 | 2 3 | 15 55 | 0 19 | 14 46 | 0 29 | 7 48 | 16 43 | 18 4 | 18 13 | 0 51 | 17 1 | 3 37 |
| T 26 | 15 59 | 4 49 | 4 14 | 12 23 | 1 14 | 1 41 | 0 51 | 6 21 | 0 53 | 8 43 | 1 27 | 13 50 | 2 3 | 15 56 | 0 19 | 14 46 | 0 29 | 7 47 | 16 43 | 18 4 | 18 13 | 0 54 | 17 2 | 3 37 |
| F 27 | 16 16 | 0s33 | 3 30 | 11 58 | 1 30 | 1 23 | 0 56 | 6 18 | 0 50 | 8 43 | 1 27 | 13 53 | 2 3 | 15 57 | 0 19 | 14 45 | 0 29 | 7 47 | 16 43 | 18 3 | 18 12 | 0 57 | 17 3 | 3 37 |
| S 28 | 16 33 | 5 55 | 2 37 | 11 34 | 1 45 | 1 6 | 1 1 | 6 14 | 0 47 | 8 43 | 1 26 | 13 55 | 2 3 | 15 58 | 0 19 | 14 45 | 0 29 | 7 47 | 16 44 | 18 3 | 18 11 | 1 0 | 17 4 | 3 37 |
| S 29 | 16 50 | 11 7 | 1 37 | 11 13 | 2 0 | 0 48 | 1 6 | 6 11 | 0 44 | 8 43 | 1 26 | 13 58 | 2 3 | 15 59 | 0 19 | 14 45 | 0 29 | 7 46 | 16 44 | 18 3 | 18 10 | 1 4 | 17 5 | 3 37 |
| M30 | 17n 6 | 15s58 | 0n31 | 10n54 | 2s14 | 0s29 | 1s11 | 6s 8 | 0n42 | 8n43 | 1n26 | 14n 0 | 2s 3 | 16n 0 | 0s19 | 14s45 | 0s29 | 7s46 | 16s44 | 18n 3 | 18n 9 | 1s 7 | 17n 5 | 3s37 |

Julian Day Number = 2214966.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'19, Lahiri = 14°49'20 Julian Calendar 1 Apr. 1352 == Greg. Calendar 9 Apr. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## MAY 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 8 17 | 18♉25'05 | 27♏23 | 4°R 2 | 2♈28 | 16°R59 | 11♍13 | 13♉39 | 14♉47 | 21♒48 | 19♈43 | 20♉56 | 21♉16 | 10♎42 | 2♊ 7 | T 1 |
| W 2 | 15 12 14 | 19°22'46 | 9♐42 | 3♉51 | 3°26 | 16♎46 | 11°13 | 13°46 | 14°51 | 21°48 | 19°44 | 20°56 | 21°12 | 10°49 | 2°12 | W 2 |
| T 3 | 15 16 10 | 20°20'26 | 22°12 | 3°44 | 4°24 | 16°35 | 11°14 | 13°54 | 14°54 | 21°49 | 19°45 | 20°56 | 21° 9 | 10°55 | 2°17 | T 3 |
| F 4 | 15 20 7 | 21°18'04 | 4♑55 | 3°D42 | 5°23 | 16°24 | 11°14 | 14° 2 | 14°57 | 21°49 | 19°47 | 20°R56 | 21° 6 | 11° 2 | 2°21 | F 4 |
| S 5 | 15 24 3 | 22°15'42 | 17°52 | 3°45 | 6°22 | 16°14 | 11°15 | 14°10 | 15° 1 | 21°49 | 19°48 | 20°56 | 21° 3 | 11° 9 | 2°26 | S 5 |
| S 6 | 15 28 0 | 23°13'18 | 1♒ 6 | 3°52 | 7°21 | 16° 4 | 11°16 | 14°17 | 15° 4 | 21°50 | 19°49 | 20°55 | 21° 0 | 11°15 | 2°31 | S 6 |
| M 7 | 15 31 57 | 24°10'53 | 14°37 | 4° 3 | 8°21 | 15°56 | 11°17 | 14°25 | 15° 8 | 21°50 | 19°50 | 20°55 | 20°57 | 11°22 | 2°36 | M 7 |
| T 8 | 15 35 53 | 25° 8'28 | 28°25 | 4°19 | 9°21 | 15°48 | 11°19 | 14°33 | 15°11 | 21°50 | 19°51 | 20°D55 | 20°53 | 11°29 | 2°41 | T 8 |
| W 9 | 15 39 50 | 26° 6'01 | 12♓32 | 4°40 | 10°22 | 15°41 | 11°20 | 14°41 | 15°15 | 21°51 | 19°53 | 20°55 | 20°50 | 11°35 | 2°46 | W 9 |
| T 10 | 15 43 46 | 27° 3'34 | 26°54 | 5° 4 | 11°22 | 15°35 | 11°22 | 14°48 | 15°18 | 21°51 | 19°54 | 20°56 | 20°47 | 11°42 | 2°51 | T 10 |
| F 11 | 15 47 43 | 28° 1'06 | 11♈30 | 5°33 | 12°23 | 15°30 | 11°24 | 14°56 | 15°22 | 21°51 | 19°55 | 20°56 | 20°44 | 11°49 | 2°55 | F 11 |
| S 12 | 15 51 39 | 28°58'37 | 26°14 | 6° 6 | 13°25 | 15°25 | 11°26 | 15° 4 | 15°25 | 21°51 | 19°56 | 20°57 | 20°41 | 11°55 | 3° 0 | S 12 |
| S 13 | 15 55 36 | 29°56'07 | 11♉ 1 | 6°44 | 14°26 | 15°22 | 11°28 | 15°11 | 15°28 | 21°51 | 19°57 | 20°57 | 20°38 | 12° 2 | 3° 5 | S 13 |
| M14 | 15 59 32 | 0♊53'36 | 25°44 | 7°25 | 15°28 | 15°19 | 11°31 | 15°19 | 15°32 | 21°51 | 19°58 | 20°R58 | 20°34 | 12° 9 | 3°10 | M14 |
| T 15 | 16 3 29 | 1°51'04 | 10♊15 | 8°10 | 16°30 | 15°17 | 11°33 | 15°26 | 15°35 | 21°51 | 19°59 | 20°57 | 20°31 | 12°15 | 3°15 | T 15 |
| W16 | 16 7 26 | 2°48'32 | 24°30 | 8°58 | 17°33 | 15°16 | 11°36 | 15°34 | 15°39 | 21°52 | 20° 1 | 20°56 | 20°28 | 12°22 | 3°20 | W16 |
| T 17 | 16 11 22 | 3°45'58 | 8♋23 | 9°51 | 18°35 | 15°D15 | 11°39 | 15°42 | 15°42 | 21°R52 | 20° 2 | 20°55 | 20°25 | 12°29 | 3°25 | T 17 |
| F 18 | 16 15 19 | 4°43'23 | 21°52 | 10°46 | 19°38 | 15°16 | 11°42 | 15°49 | 15°45 | 21°51 | 20° 3 | 20°53 | 20°22 | 12°35 | 3°30 | F 18 |
| S 19 | 16 19 15 | 5°40'47 | 4♌57 | 11°46 | 20°41 | 15°17 | 11°46 | 15°57 | 15°49 | 21°51 | 20° 4 | 20°51 | 20°18 | 12°42 | 3°35 | S 19 |
| S 20 | 16 23 12 | 6°38'10 | 17°40 | 12°49 | 21°45 | 15°19 | 11°49 | 16° 4 | 15°52 | 21°51 | 20° 5 | 20°50 | 20°15 | 12°49 | 3°40 | S 20 |
| M21 | 16 27 8 | 7°35'31 | 0♍ 3 | 13°55 | 22°48 | 15°22 | 11°53 | 16°12 | 15°55 | 21°51 | 20° 6 | 20°49 | 20°12 | 12°55 | 3°45 | M21 |
| T 22 | 16 31 5 | 8°32'52 | 12°11 | 15° 4 | 23°52 | 15°25 | 11°57 | 16°19 | 15°59 | 21°51 | 20° 7 | 20°D49 | 20° 9 | 13° 2 | 3°50 | T 22 |
| W23 | 16 35 1 | 9°30'11 | 24° 9 | 16°16 | 24°56 | 15°30 | 12° 1 | 16°26 | 16° 2 | 21°51 | 20° 8 | 20°49 | 20° 6 | 13° 9 | 3°55 | W23 |
| T 24 | 16 38 58 | 10°27'30 | 6♎ 0 | 17°32 | 26° 0 | 15°35 | 12° 5 | 16°34 | 16° 5 | 21°51 | 20° 9 | 20°51 | 20° 3 | 13°16 | 3°59 | T 24 |
| F 25 | 16 42 55 | 11°24'47 | 17°50 | 18°51 | 27° 5 | 15°40 | 12° 9 | 16°41 | 16° 8 | 21°50 | 20°10 | 20°52 | 19°59 | 13°22 | 4° 4 | F 25 |
| S 26 | 16 46 51 | 12°22'04 | 29°43 | 20°13 | 28° 9 | 15°47 | 12°13 | 16°48 | 16°12 | 21°50 | 20°11 | 20°54 | 19°56 | 13°29 | 4° 9 | S 26 |
| S 27 | 16 50 48 | 13°19'20 | 11♏42 | 21°38 | 29°14 | 15°54 | 12°18 | 16°56 | 16°15 | 21°50 | 20°11 | 20°55 | 19°53 | 13°36 | 4°14 | S 27 |
| M28 | 16 54 44 | 14°16'35 | 23°51 | 23° 5 | 0♉19 | 16° 2 | 12°23 | 17° 3 | 16°18 | 21°49 | 20°12 | 20°R55 | 19°50 | 13°42 | 4°19 | M28 |
| T 29 | 16 58 41 | 15°13'49 | 6♐12 | 24°36 | 1°24 | 16°11 | 12°28 | 17°10 | 16°21 | 21°49 | 20°13 | 20°54 | 19°47 | 13°49 | 4°24 | T 29 |
| W30 | 17 2 37 | 16°11'03 | 18°47 | 26°10 | 2°29 | 16°20 | 12°33 | 17°17 | 16°24 | 21°49 | 20°14 | 20°52 | 19°44 | 13°56 | 4°29 | W30 |
| T 31 | 17 6 34 | 17♊ 8'17 | 1♑37 | 27♉47 | 3♉35 | 16♎30 | 12♍38 | 17♉25 | 16♉27 | 21♒48 | 20♈15 | 20♉49 | 19♉40 | 14♎ 2 | 4♊34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n22 | 20s14 | 0s36 | 10n37 | 2s27 | 0s11 | 1s16 | 6s 6 | 0n39 | 8n42 | 1n26 | 14n 2 | 2s 3 | 16n 1 | 0s19 | 14s45 | 0s29 | 7s46 | 16s44 | 18n 3 | 18n 8 | 1s10 | 17n 6 | 3s37 |
| W 2 | 17 38 | 23 40 | 1 42 | 10 22 | 2 38 | 0n 8 | 1 21 | 6 4 | 0 36 | 8 42 | 1 26 | 14 5 | 2 3 | 16 2 | 0 19 | 14 45 | 0 29 | 7 45 | 16 44 | 18 3 | 18 8 | 1 13 | 17 7 | 3 37 |
| T 3 | 17 54 | 26 2 | 2 45 | 10 9 | 2 49 | 0 27 | 1 25 | 6 2 | 0 33 | 8 42 | 1 25 | 14 7 | 2 3 | 16 3 | 0 19 | 14 45 | 0 29 | 7 45 | 16 44 | 18 3 | 18 7 | 1 17 | 17 8 | 3 38 |
| F 4 | 18 9 | 27 6 | 3 41 | 9 59 | 2 59 | 0 47 | 1 29 | 6 0 | 0 31 | 8 41 | 1 25 | 14 9 | 2 3 | 16 4 | 0 19 | 14 44 | 0 29 | 7 45 | 16 45 | 18 3 | 18 6 | 1 20 | 17 9 | 3 38 |
| S 5 | 18 24 | 26 43 | 4 26 | 9 52 | 3 8 | 1 7 | 1 33 | 5 58 | 0 28 | 8 41 | 1 25 | 14 12 | 2 3 | 16 5 | 0 19 | 14 44 | 0 29 | 7 44 | 16 45 | 18 3 | 18 5 | 1 23 | 17 10 | 3 38 |
| S 6 | 18 39 | 24 50 | 4 59 | 9 47 | 3 15 | 1 27 | 1 37 | 5 57 | 0 25 | 8 40 | 1 25 | 14 14 | 2 3 | 16 6 | 0 19 | 14 44 | 0 29 | 7 44 | 16 45 | 18 3 | 18 4 | 1 26 | 17 11 | 3 38 |
| M 7 | 18 53 | 21 32 | 5 15 | 9 45 | 3 22 | 1 47 | 1 41 | 5 56 | 0 23 | 8 39 | 1 24 | 14 16 | 2 3 | 16 7 | 0 19 | 14 44 | 0 29 | 7 44 | 16 45 | 18 3 | 18 3 | 1 29 | 17 12 | 3 38 |
| T 8 | 19 7 | 16 58 | 5 15 | 9 45 | 3 27 | 2 7 | 1 44 | 5 56 | 0 20 | 8 39 | 1 24 | 14 18 | 2 3 | 16 8 | 0 19 | 14 44 | 0 29 | 7 44 | 16 45 | 18 3 | 18 3 | 1 33 | 17 13 | 3 38 |
| W 9 | 19 21 | 11 25 | 4 55 | 9 48 | 3 32 | 2 28 | 1 48 | 5 56 | 0 18 | 8 38 | 1 24 | 14 21 | 2 3 | 16 9 | 0 19 | 14 44 | 0 29 | 7 43 | 16 45 | 18 3 | 18 2 | 1 36 | 17 13 | 3 38 |
| T 10 | 19 34 | 5 10 | 4 17 | 9 52 | 3 35 | 2 49 | 1 51 | 5 56 | 0 15 | 8 37 | 1 24 | 14 23 | 2 3 | 16 10 | 0 19 | 14 44 | 0 29 | 7 43 | 16 46 | 18 3 | 18 1 | 1 39 | 17 14 | 3 38 |
| F 11 | 19 47 | 1n28 | 3 22 | 10 0 | 3 38 | 3 10 | 1 54 | 5 56 | 0 12 | 8 36 | 1 24 | 14 25 | 2 3 | 16 11 | 0 19 | 14 44 | 0 29 | 7 43 | 16 46 | 18 3 | 18 0 | 1 42 | 17 15 | 3 38 |
| S 12 | 20 0 | 8 6 | 2 13 | 10 9 | 3 40 | 3 31 | 1 57 | 5 56 | 0 10 | 8 35 | 1 23 | 14 27 | 2 3 | 16 12 | 0 19 | 14 44 | 0 29 | 7 43 | 16 46 | 18 3 | 17 59 | 1 46 | 17 16 | 3 38 |
| S 13 | 20 13 | 14 19 | 0 55 | 10 20 | 3 40 | 3 52 | 2 0 | 5 57 | 0 8 | 8 34 | 1 23 | 14 30 | 2 3 | 16 13 | 0 19 | 14 44 | 0 29 | 7 43 | 16 46 | 18 4 | 17 58 | 1 49 | 17 17 | 3 38 |
| M14 | 20 25 | 19 41 | 0n26 | 10 34 | 3 40 | 4 13 | 2 3 | 5 58 | 0 5 | 8 33 | 1 23 | 14 32 | 2 3 | 16 14 | 0 19 | 14 44 | 0 29 | 7 42 | 16 46 | 18 4 | 17 57 | 1 52 | 17 18 | 3 38 |
| T 15 | 20 36 | 23 48 | 1 45 | 10 49 | 3 39 | 4 35 | 2 5 | 6 0 | 0 3 | 8 32 | 1 23 | 14 34 | 2 3 | 16 15 | 0 19 | 14 44 | 0 29 | 7 42 | 16 47 | 18 3 | 17 57 | 1 55 | 17 19 | 3 38 |
| W16 | 20 48 | 26 20 | 2 55 | 11 6 | 3 37 | 4 57 | 2 8 | 6 1 | 0 0 | 8 30 | 1 22 | 14 36 | 2 3 | 16 16 | 0 19 | 14 44 | 0 29 | 7 42 | 16 47 | 18 3 | 17 56 | 1 59 | 17 19 | 3 38 |
| T 17 | 20 59 | 27 8 | 3 53 | 11 25 | 3 35 | 5 19 | 2 10 | 6 3 | 0s 2 | 8 29 | 1 22 | 14 38 | 2 3 | 16 17 | 0 19 | 14 44 | 0 29 | 7 42 | 16 47 | 18 3 | 17 55 | 2 2 | 17 20 | 3 38 |
| F 18 | 21 9 | 26 18 | 4 37 | 11 46 | 3 31 | 5 40 | 2 12 | 6 6 | 0 4 | 8 28 | 1 22 | 14 40 | 2 3 | 16 18 | 0 19 | 14 44 | 0 29 | 7 42 | 16 47 | 18 2 | 17 54 | 2 5 | 17 21 | 3 38 |
| S 19 | 21 20 | 24 1 | 5 4 | 12 8 | 3 27 | 6 2 | 2 14 | 6 8 | 0 6 | 8 26 | 1 22 | 14 43 | 2 3 | 16 19 | 0 19 | 14 44 | 0 29 | 7 41 | 16 48 | 18 2 | 17 53 | 2 8 | 17 22 | 3 39 |
| S 20 | 21 30 | 20 36 | 5 16 | 12 31 | 3 22 | 6 24 | 2 16 | 6 11 | 0 9 | 8 25 | 1 22 | 14 45 | 2 3 | 16 20 | 0 19 | 14 44 | 0 29 | 7 41 | 16 48 | 18 2 | 17 52 | 2 12 | 17 23 | 3 39 |
| M21 | 21 39 | 16 21 | 5 12 | 12 56 | 3 17 | 6 46 | 2 18 | 6 14 | 0 11 | 8 23 | 1 21 | 14 47 | 2 3 | 16 21 | 0 19 | 14 44 | 0 29 | 7 41 | 16 48 | 18 1 | 17 52 | 2 15 | 17 24 | 3 39 |
| T 22 | 21 48 | 11 32 | 4 54 | 13 22 | 3 11 | 7 8 | 2 19 | 6 18 | 0 13 | 8 21 | 1 21 | 14 49 | 2 3 | 16 22 | 0 19 | 14 44 | 0 29 | 7 41 | 16 48 | 18 1 | 17 51 | 2 18 | 17 24 | 3 39 |
| W23 | 21 57 | 6 22 | 4 24 | 13 49 | 3 4 | 7 30 | 2 21 | 6 21 | 0 15 | 8 20 | 1 21 | 14 51 | 2 3 | 16 23 | 0 19 | 14 44 | 0 29 | 7 41 | 16 49 | 18 1 | 17 50 | 2 21 | 17 25 | 3 39 |
| T 24 | 22 6 | 1 1 | 3 43 | 14 18 | 2 57 | 7 53 | 2 22 | 6 25 | 0 17 | 8 18 | 1 21 | 14 53 | 2 3 | 16 24 | 0 19 | 14 44 | 0 29 | 7 41 | 16 49 | 18 2 | 17 49 | 2 25 | 17 26 | 3 39 |
| F 25 | 22 14 | 4s22 | 2 52 | 14 47 | 2 49 | 8 15 | 2 23 | 6 29 | 0 19 | 8 16 | 1 20 | 14 55 | 2 3 | 16 25 | 0 19 | 14 45 | 0 29 | 7 41 | 16 49 | 18 2 | 17 48 | 2 28 | 17 27 | 3 39 |
| S 26 | 22 21 | 9 38 | 1 54 | 15 17 | 2 41 | 8 37 | 2 24 | 6 34 | 0 21 | 8 14 | 1 20 | 14 57 | 2 3 | 16 26 | 0 19 | 14 45 | 0 29 | 7 41 | 16 49 | 18 3 | 17 47 | 2 31 | 17 28 | 3 39 |
| S 27 | 22 29 | 14 36 | 0 51 | 15 47 | 2 32 | 8 59 | 2 25 | 6 38 | 0 23 | 8 12 | 1 20 | 14 59 | 2 3 | 16 27 | 0 19 | 14 45 | 0 29 | 7 40 | 16 50 | 18 3 | 17 46 | 2 34 | 17 28 | 3 39 |
| M28 | 22 36 | 19 4 | 0s16 | 16 19 | 2 23 | 9 21 | 2 26 | 6 43 | 0 25 | 8 10 | 1 20 | 15 1 | 2 3 | 16 28 | 0 19 | 14 45 | 0 29 | 7 40 | 16 50 | 18 3 | 17 46 | 2 38 | 17 29 | 3 40 |
| T 29 | 22 42 | 22 47 | 1 23 | 16 50 | 2 13 | 9 43 | 2 26 | 6 48 | 0 27 | 8 8 | 1 20 | 15 3 | 2 3 | 16 29 | 0 19 | 14 45 | 0 30 | 7 40 | 16 50 | 18 3 | 17 45 | 2 41 | 17 30 | 3 40 |
| W30 | 22 48 | 25 30 | 2 27 | 17 22 | 2 3 | 10 5 | 2 27 | 6 54 | 0 29 | 8 6 | 1 19 | 15 5 | 2 3 | 16 30 | 0 19 | 14 45 | 0 30 | 7 40 | 16 50 | 18 2 | 17 44 | 2 44 | 17 31 | 3 40 |
| T 31 | 22n54 | 26s56 | 3s25 | 17n55 | 1s52 | 10n27 | 2s27 | 6s59 | 0s31 | 8n 4 | 1n19 | 15n 7 | 2s 3 | 16n31 | 0s19 | 14s45 | 0s30 | 7s40 | 16s51 | 18n 1 | 17n43 | 2s47 | 17n31 | 3s40 |

Julian Day Number = 2214996.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'23, Lahiri = 14°49'24 Julian Calendar 1 May 1352 == Greg. Calendar 9 May 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## JUNE 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 10 30 | 18♊ 5'30 | 14♋42 | 29♉27 | 4♉40 | 16♎41 | 12♍43 | 17♉32 | 16♉30 | 21°R48 | 20♈16 | 20°R45 | 19♉37 | 14♎ 9 | 4♊39 | F 1 |
| S 2 | 17 14 27 | 19° 2'42 | 28° 0 | 1♊10 | 5°46 | 16°52 | 12°49 | 17°39 | 16°34 | 21♒47 | 20°17 | 20♉41 | 19°34 | 14°16 | 4°43 | S 2 |
| S 3 | 17 18 24 | 19°59'54 | 11♒32 | 2°55 | 6°52 | 17° 4 | 12°54 | 17°46 | 16°37 | 21°47 | 20°17 | 20°37 | 19°31 | 14°22 | 4°48 | S 3 |
| M 4 | 17 22 20 | 20°57'07 | 25°16 | 4°43 | 7°58 | 17°17 | 13° 0 | 17°53 | 16°40 | 21°46 | 20°18 | 20°34 | 19°28 | 14°29 | 4°53 | M 4 |
| T 5 | 17 26 17 | 21°54'19 | 9♓10 | 6°34 | 9° 5 | 17°30 | 13° 6 | 18° 0 | 16°43 | 21°45 | 20°19 | 20°32 | 19°24 | 14°36 | 4°58 | T 5 |
| W 6 | 17 30 13 | 22°51'30 | 23°14 | 8°28 | 10°11 | 17°43 | 13°12 | 18° 7 | 16°46 | 21°45 | 20°20 | 20°D31 | 19°21 | 14°42 | 5° 3 | W 6 |
| T 7 | 17 34 10 | 23°48'42 | 7♈25 | 10°24 | 11°18 | 17°58 | 13°18 | 18°13 | 16°49 | 21°44 | 20°20 | 20°32 | 19°18 | 14°49 | 5° 7 | T 7 |
| F 8 | 17 38 6 | 24°45'54 | 21°42 | 12°23 | 12°24 | 18°13 | 13°25 | 18°20 | 16°52 | 21°43 | 20°21 | 20°33 | 19°15 | 14°56 | 5°12 | F 8 |
| S 9 | 17 42 3 | 25°43'06 | 6♉ 3 | 14°24 | 13°31 | 18°28 | 13°31 | 18°27 | 16°54 | 21°43 | 20°22 | 20°34 | 19°12 | 15° 2 | 5°17 | S 9 |
| S 10 | 17 45 59 | 26°40'18 | 20°25 | 16°26 | 14°38 | 18°44 | 13°38 | 18°34 | 16°57 | 21°42 | 20°23 | 20°R35 | 19° 9 | 15° 9 | 5°22 | S 10 |
| M11 | 17 49 56 | 27°37'30 | 4♊43 | 18°31 | 15°45 | 19° 1 | 13°45 | 18°41 | 17° 0 | 21°41 | 20°23 | 20°34 | 19° 5 | 15°16 | 5°26 | M11 |
| T 12 | 17 53 53 | 28°34'43 | 18°53 | 20°37 | 16°53 | 19°18 | 13°52 | 18°47 | 17° 3 | 21°40 | 20°24 | 20°32 | 19° 2 | 15°22 | 5°31 | T 12 |
| W13 | 17 57 49 | 29°31'55 | 2♋51 | 22°45 | 18° 0 | 19°36 | 13°59 | 18°54 | 17° 6 | 21°40 | 20°24 | 20°27 | 18°59 | 15°29 | 5°36 | W13 |
| T 14 | 18 1 46 | 0♋29'07 | 16°33 | 24°54 | 19° 7 | 19°54 | 14° 6 | 19° 0 | 17° 9 | 21°39 | 20°25 | 20°21 | 18°56 | 15°36 | 5°40 | T 14 |
| F 15 | 18 5 42 | 1°26'19 | 29°56 | 27° 4 | 20°15 | 20°13 | 14°13 | 19° 7 | 17°11 | 21°38 | 20°26 | 20°15 | 18°53 | 15°42 | 5°45 | F 15 |
| S 16 | 18 9 39 | 2°23'31 | 12♌58 | 29°14 | 21°23 | 20°32 | 14°21 | 19°13 | 17°14 | 21°37 | 20°26 | 20° 8 | 18°50 | 15°49 | 5°49 | S 16 |
| S 17 | 18 13 35 | 3°20'42 | 25°40 | 1♋24 | 22°31 | 20°52 | 14°28 | 19°20 | 17°17 | 21°36 | 20°27 | 20° 2 | 18°46 | 15°56 | 5°54 | S 17 |
| M18 | 18 17 32 | 4°17'53 | 8♍ 4 | 3°34 | 23°39 | 21°13 | 14°36 | 19°26 | 17°19 | 21°35 | 20°27 | 19°57 | 18°43 | 16° 2 | 5°59 | M18 |
| T 19 | 18 21 29 | 5°15'04 | 20°12 | 5°44 | 24°47 | 21°33 | 14°44 | 19°32 | 17°22 | 21°34 | 20°28 | 19°54 | 18°40 | 16° 9 | 6° 3 | T 19 |
| W20 | 18 25 25 | 6°12'15 | 2♎10 | 7°54 | 25°55 | 21°55 | 14°51 | 19°38 | 17°24 | 21°33 | 20°28 | 19°D53 | 18°37 | 16°16 | 6° 7 | W20 |
| T 21 | 18 29 22 | 7° 9'26 | 14° 1 | 10° 2 | 27° 3 | 22°16 | 14°59 | 19°44 | 17°27 | 21°32 | 20°29 | 19°53 | 18°34 | 16°22 | 6°12 | T 21 |
| F 22 | 18 33 18 | 8° 6'37 | 25°51 | 12°10 | 28°11 | 22°39 | 15° 8 | 19°51 | 17°29 | 21°31 | 20°29 | 19°54 | 18°30 | 16°29 | 6°16 | F 22 |
| S 23 | 18 37 15 | 9° 3'48 | 7♏45 | 14°16 | 29°20 | 23° 1 | 15°16 | 19°57 | 17°32 | 21°30 | 20°30 | 19°55 | 18°27 | 16°36 | 6°21 | S 23 |
| S 24 | 18 41 11 | 10° 0'59 | 19°48 | 16°21 | 0♊28 | 23°24 | 15°24 | 20° 3 | 17°34 | 21°29 | 20°30 | 19°R56 | 18°24 | 16°42 | 6°25 | S 24 |
| M25 | 18 45 8 | 10°58'10 | 2♐ 4 | 18°25 | 1°37 | 23°48 | 15°33 | 20° 8 | 17°37 | 21°28 | 20°30 | 19°55 | 18°21 | 16°49 | 6°29 | M25 |
| T 26 | 18 49 4 | 11°55'21 | 14°36 | 20°27 | 2°46 | 24°12 | 15°41 | 20°14 | 17°39 | 21°27 | 20°31 | 19°52 | 18°18 | 16°56 | 6°34 | T 26 |
| W27 | 18 53 1 | 12°52'32 | 27°27 | 22°28 | 3°55 | 24°36 | 15°50 | 20°20 | 17°41 | 21°25 | 20°31 | 19°47 | 18°15 | 17° 2 | 6°38 | W27 |
| T 28 | 18 56 58 | 13°49'44 | 10♑37 | 24°26 | 5° 4 | 25° 1 | 15°59 | 20°26 | 17°44 | 21°24 | 20°31 | 19°40 | 18°11 | 17° 9 | 6°42 | T 28 |
| F 29 | 19 0 54 | 14°46'56 | 24° 6 | 26°23 | 6°13 | 25°26 | 16° 8 | 20°31 | 17°46 | 21°23 | 20°32 | 19°32 | 18° 8 | 17°16 | 6°46 | F 29 |
| S 30 | 19 4 51 | 15♋44'09 | 7♒50 | 28♋19 | 7♊22 | 25♎51 | 16♍17 | 20♉37 | 17♉48 | 21♒22 | 20♈32 | 19♉23 | 18♉ 5 | 17♎22 | 6♊51 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n59 | 26s54 | 4s13 | 18n27 | 1s42 | 10n48 | 2s28 | 7s 5 | 0s33 | 8n 1 | 1n19 | 15n 9 | 2s 3 | 16n31 | 0s19 | 14s46 | 0s30 | 7s40 | 16s51 | 18n 0 | 17n42 | 2s51 | 17n32 | 3s40 |
| S 2 | 23 4 | 25 21 | 4 49 | 18 59 | 1 31 | 11 10 | 2 28 | 7 11 | 0 35 | 7 59 | 1 19 | 15 11 | 2 4 | 16 32 | 0 19 | 14 46 | 0 30 | 7 40 | 16 51 | 17 59 | 17 41 | 2 54 | 17 33 | 3 40 |
| S 3 | 23 9 | 22 19 | 5 9 | 19 31 | 1 19 | 11 31 | 2 28 | 7 17 | 0 36 | 7 57 | 1 19 | 15 13 | 2 4 | 16 33 | 0 19 | 14 46 | 0 30 | 7 40 | 16 51 | 17 58 | 17 40 | 2 57 | 17 33 | 3 40 |
| M 4 | 23 13 | 18 2 | 5 12 | 20 3 | 1 8 | 11 53 | 2 28 | 7 24 | 0 38 | 7 54 | 1 18 | 15 15 | 2 4 | 16 34 | 0 19 | 14 46 | 0 30 | 7 40 | 16 52 | 17 57 | 17 39 | 3 0 | 17 34 | 3 41 |
| T 5 | 23 17 | 12 44 | 4 56 | 20 33 | 0 56 | 12 14 | 2 28 | 7 30 | 0 40 | 7 52 | 1 18 | 15 16 | 2 4 | 16 35 | 0 19 | 14 46 | 0 30 | 7 40 | 16 52 | 17 57 | 17 39 | 3 4 | 17 35 | 3 41 |
| W 6 | 23 20 | 6 44 | 4 23 | 21 3 | 0 45 | 12 35 | 2 28 | 7 37 | 0 42 | 7 49 | 1 18 | 15 18 | 2 4 | 16 36 | 0 19 | 14 47 | 0 30 | 7 40 | 16 52 | 17 57 | 17 38 | 3 7 | 17 36 | 3 41 |
| T 7 | 23 23 | 0 19 | 3 34 | 21 32 | 0 33 | 12 56 | 2 27 | 7 44 | 0 43 | 7 47 | 1 18 | 15 20 | 2 4 | 16 37 | 0 19 | 14 47 | 0 30 | 7 40 | 16 53 | 17 57 | 17 37 | 3 10 | 17 36 | 3 41 |
| F 8 | 23 25 | 6n 9 | 2 31 | 22 0 | 0 22 | 13 17 | 2 27 | 7 51 | 0 45 | 7 44 | 1 18 | 15 22 | 2 4 | 16 37 | 0 19 | 14 47 | 0 30 | 7 40 | 16 53 | 17 57 | 17 36 | 3 13 | 17 37 | 3 41 |
| S 9 | 23 27 | 12 21 | 1 18 | 22 26 | 0 10 | 13 37 | 2 26 | 7 59 | 0 46 | 7 41 | 1 17 | 15 24 | 2 4 | 16 38 | 0 19 | 14 47 | 0 30 | 7 40 | 16 53 | 17 57 | 17 35 | 3 17 | 17 38 | 3 41 |
| S 10 | 23 29 | 17 54 | 0 1 | 22 51 | 0n 1 | 13 58 | 2 26 | 8 6 | 0 48 | 7 39 | 1 17 | 15 25 | 2 4 | 16 39 | 0 19 | 14 48 | 0 30 | 7 40 | 16 54 | 17 58 | 17 34 | 3 20 | 17 38 | 3 42 |
| M11 | 23 30 | 22 24 | 1n16 | 23 14 | 0 12 | 14 18 | 2 25 | 8 14 | 0 49 | 7 36 | 1 17 | 15 27 | 2 4 | 16 40 | 0 19 | 14 48 | 0 30 | 7 40 | 16 54 | 17 57 | 17 33 | 3 23 | 17 39 | 3 42 |
| T 12 | 23 31 | 25 31 | 2 28 | 23 34 | 0 23 | 14 38 | 2 24 | 8 22 | 0 51 | 7 33 | 1 17 | 15 29 | 2 4 | 16 41 | 0 19 | 14 48 | 0 30 | 7 40 | 16 54 | 17 57 | 17 33 | 3 26 | 17 39 | 3 42 |
| W13 | 23 31 | 26 59 | 3 29 | 23 52 | 0 33 | 14 58 | 2 23 | 8 30 | 0 52 | 7 30 | 1 17 | 15 31 | 2 4 | 16 41 | 0 19 | 14 48 | 0 30 | 7 40 | 16 55 | 17 56 | 17 32 | 3 30 | 17 40 | 3 42 |
| T 14 | 23 31 | 26 45 | 4 18 | 24 8 | 0 43 | 15 17 | 2 22 | 8 38 | 0 54 | 7 27 | 1 16 | 15 32 | 2 4 | 16 42 | 0 19 | 14 49 | 0 30 | 7 40 | 16 55 | 17 54 | 17 31 | 3 33 | 17 41 | 3 42 |
| F 15 | 23 31 | 24 58 | 4 50 | 24 22 | 0 52 | 15 36 | 2 21 | 8 47 | 0 55 | 7 24 | 1 16 | 15 34 | 2 5 | 16 43 | 0 19 | 14 49 | 0 30 | 7 40 | 16 55 | 17 52 | 17 30 | 3 36 | 17 41 | 3 43 |
| S 16 | 23 30 | 21 53 | 5 7 | 24 32 | 1 1 | 15 55 | 2 20 | 8 55 | 0 57 | 7 21 | 1 16 | 15 36 | 2 5 | 16 44 | 0 19 | 14 49 | 0 30 | 7 41 | 16 55 | 17 50 | 17 29 | 3 39 | 17 42 | 3 43 |
| S 17 | 23 29 | 17 50 | 5 8 | 24 40 | 1 9 | 16 14 | 2 19 | 9 4 | 0 58 | 7 18 | 1 16 | 15 37 | 2 5 | 16 45 | 0 19 | 14 50 | 0 30 | 7 41 | 16 56 | 17 49 | 17 28 | 3 42 | 17 42 | 3 43 |
| M18 | 23 27 | 13 7 | 4 54 | 24 45 | 1 16 | 16 32 | 2 17 | 9 13 | 0 59 | 7 15 | 1 16 | 15 39 | 2 5 | 16 45 | 0 19 | 14 50 | 0 30 | 7 41 | 16 56 | 17 47 | 17 27 | 3 46 | 17 43 | 3 43 |
| T 19 | 23 25 | 7 59 | 4 27 | 24 47 | 1 23 | 16 50 | 2 16 | 9 22 | 1 1 | 7 12 | 1 16 | 15 40 | 2 5 | 16 46 | 0 19 | 14 50 | 0 30 | 7 41 | 16 56 | 17 47 | 17 26 | 3 49 | 17 44 | 3 43 |
| W20 | 23 23 | 2 38 | 3 49 | 24 46 | 1 29 | 17 8 | 2 14 | 9 31 | 1 2 | 7 9 | 1 15 | 15 42 | 2 5 | 16 47 | 0 19 | 14 51 | 0 30 | 7 41 | 16 57 | 17 46 | 17 26 | 3 52 | 17 44 | 3 44 |
| T 21 | 23 20 | 2s46 | 3 2 | 24 43 | 1 34 | 17 25 | 2 13 | 9 41 | 1 3 | 7 5 | 1 15 | 15 43 | 2 5 | 16 47 | 0 19 | 14 51 | 0 30 | 7 41 | 16 57 | 17 46 | 17 25 | 3 55 | 17 45 | 3 44 |
| F 22 | 23 17 | 8 4 | 2 6 | 24 36 | 1 39 | 17 42 | 2 11 | 9 50 | 1 4 | 7 2 | 1 15 | 15 45 | 2 5 | 16 48 | 0 19 | 14 51 | 0 30 | 7 41 | 16 57 | 17 47 | 17 24 | 3 59 | 17 45 | 3 44 |
| S 23 | 23 13 | 13 7 | 1 5 | 24 27 | 1 43 | 17 59 | 2 9 | 10 0 | 1 6 | 6 59 | 1 15 | 15 46 | 2 5 | 16 49 | 0 19 | 14 52 | 0 30 | 7 42 | 16 58 | 17 47 | 17 23 | 4 2 | 17 46 | 3 44 |
| S 24 | 23 9 | 17 44 | 0 1 | 24 16 | 1 46 | 18 15 | 2 7 | 10 9 | 1 7 | 6 55 | 1 15 | 15 48 | 2 6 | 16 50 | 0 19 | 14 52 | 0 30 | 7 42 | 16 58 | 17 47 | 17 22 | 4 5 | 17 46 | 3 45 |
| M25 | 23 4 | 21 43 | 1s 5 | 24 2 | 1 48 | 18 31 | 2 5 | 10 19 | 1 8 | 6 52 | 1 15 | 15 49 | 2 6 | 16 50 | 0 19 | 14 53 | 0 30 | 7 42 | 16 58 | 17 47 | 17 21 | 4 8 | 17 47 | 3 45 |
| T 26 | 22 59 | 24 46 | 2 9 | 23 46 | 1 49 | 18 46 | 2 4 | 10 29 | 1 9 | 6 48 | 1 14 | 15 51 | 2 6 | 16 51 | 0 19 | 14 53 | 0 30 | 7 42 | 16 59 | 17 46 | 17 20 | 4 12 | 17 47 | 3 45 |
| W27 | 22 54 | 26 37 | 3 7 | 23 28 | 1 50 | 19 1 | 2 1 | 10 39 | 1 10 | 6 45 | 1 14 | 15 52 | 2 6 | 16 52 | 0 19 | 14 53 | 0 30 | 7 42 | 16 59 | 17 45 | 17 19 | 4 15 | 17 48 | 3 45 |
| T 28 | 22 48 | 27 3 | 3 58 | 23 7 | 1 51 | 19 16 | 1 59 | 10 49 | 1 11 | 6 41 | 1 14 | 15 54 | 2 6 | 16 52 | 0 19 | 14 54 | 0 30 | 7 42 | 16 59 | 17 43 | 17 18 | 4 18 | 17 48 | 3 46 |
| F 29 | 22 42 | 25 54 | 4 36 | 22 45 | 1 50 | 19 30 | 1 57 | 11 0 | 1 12 | 6 38 | 1 14 | 15 55 | 2 6 | 16 53 | 0 19 | 14 54 | 0 30 | 7 43 | 17 0 | 17 41 | 17 18 | 4 21 | 17 48 | 3 46 |
| S 30 | 22n36 | 23s11 | 4s59 | 22n21 | 1n49 | 19n44 | 1s55 | 11s10 | 1s14 | 6n34 | 1n14 | 15n56 | 2s 6 | 16n53 | 0s19 | 14s55 | 0s30 | 7s43 | 17s 0 | 17n38 | 17n17 | 4s25 | 17n49 | 3s46 |

Julian Day Number = 2215027.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'27, Lahiri = 14°49'28 Julian Calendar 1 June 1352 == Greg. Calendar 9 June 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## JULY 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 8 47 | 16♋41'22 | 21♒47 | 0♌12 | 8♊31 | 26♎17 | 16♍26 | 20♉42 | 17♉50 | 21°R20 | 20♈32 | 19°R14 | 18♉ 2 | 17♎29 | 6♊55 | S 1 |
| M 2 | 19 12 44 | 17°38'35 | 5♓52 | 2° 4 | 9°41 | 26°43 | 16°35 | 20°48 | 17°53 | 21♒19 | 20°32 | 19♉ 7 | 17°59 | 17°36 | 6°59 | M 2 |
| T 3 | 19 16 40 | 18°35'50 | 20° 2 | 3°54 | 10°50 | 27°10 | 16°44 | 20°53 | 17°55 | 21°18 | 20°33 | 19° 2 | 17°56 | 17°42 | 7° 3 | T 3 |
| W 4 | 19 20 37 | 19°33'05 | 4♈14 | 5°43 | 12° 0 | 27°36 | 16°54 | 20°59 | 17°57 | 21°17 | 20°33 | 18°59 | 17°52 | 17°49 | 7° 7 | W 4 |
| T 5 | 19 24 33 | 20°30'21 | 18°24 | 7°29 | 13° 9 | 28° 4 | 17° 3 | 21° 4 | 17°59 | 21°15 | 20°33 | 18°D58 | 17°49 | 17°56 | 7°11 | T 5 |
| F 6 | 19 28 30 | 21°27'38 | 2♉32 | 9°14 | 14°19 | 28°31 | 17°13 | 21° 9 | 18° 1 | 21°14 | 20°33 | 18°58 | 17°46 | 18° 2 | 7°15 | F 6 |
| S 7 | 19 32 27 | 22°24'57 | 16°36 | 10°57 | 15°29 | 28°59 | 17°23 | 21°14 | 18° 3 | 21°12 | 20°33 | 18°R58 | 17°43 | 18° 9 | 7°19 | S 7 |
| S 8 | 19 36 23 | 23°22'16 | 0♊36 | 12°38 | 16°39 | 29°27 | 17°32 | 21°19 | 18° 5 | 21°11 | 20°33 | 18°58 | 17°40 | 18°16 | 7°23 | S 8 |
| M 9 | 19 40 20 | 24°19'36 | 14°29 | 14°17 | 17°49 | 29°56 | 17°42 | 21°24 | 18° 6 | 21°10 | 20°33 | 18°55 | 17°36 | 18°22 | 7°26 | M 9 |
| T 10 | 19 44 16 | 25°16'57 | 28°14 | 15°55 | 18°59 | 0♏25 | 17°52 | 21°29 | 18° 8 | 21° 8 | 20°34 | 18°50 | 17°33 | 18°29 | 7°30 | T 10 |
| W11 | 19 48 13 | 26°14'19 | 11♋49 | 17°31 | 20° 9 | 0°54 | 18° 2 | 21°34 | 18°10 | 21° 7 | 20°34 | 18°43 | 17°30 | 18°36 | 7°34 | W11 |
| T 12 | 19 52 9 | 27°11'43 | 25°11 | 19° 5 | 21°19 | 1°24 | 18°13 | 21°38 | 18°12 | 21° 5 | 20°34 | 18°33 | 17°27 | 18°42 | 7°38 | T 12 |
| F 13 | 19 56 6 | 28° 9'06 | 8♌19 | 20°37 | 22°30 | 1°54 | 18°23 | 21°43 | 18°13 | 21° 4 | 20°R34 | 18°21 | 17°24 | 18°49 | 7°41 | F 13 |
| S 14 | 20 0 2 | 29° 6'31 | 21°10 | 22° 8 | 23°40 | 2°24 | 18°33 | 21°47 | 18°15 | 21° 2 | 20°34 | 18°10 | 17°21 | 18°56 | 7°45 | S 14 |
| S 15 | 20 3 59 | 0♌ 3'56 | 3♍45 | 23°37 | 24°51 | 2°54 | 18°44 | 21°52 | 18°17 | 21° 1 | 20°34 | 17°59 | 17°17 | 19° 2 | 7°49 | S 15 |
| M16 | 20 7 56 | 1° 1'23 | 16° 4 | 25° 4 | 26° 1 | 3°25 | 18°54 | 21°56 | 18°18 | 20°59 | 20°34 | 17°49 | 17°14 | 19° 9 | 7°52 | M16 |
| T 17 | 20 11 52 | 1°58'49 | 28°10 | 26°29 | 27°12 | 3°56 | 19° 5 | 22° 1 | 18°20 | 20°58 | 20°33 | 17°42 | 17°11 | 19°16 | 7°55 | T 17 |
| W18 | 20 15 49 | 2°56'17 | 10♎ 6 | 27°52 | 28°22 | 4°27 | 19°15 | 22° 5 | 18°21 | 20°56 | 20°33 | 17°38 | 17° 8 | 19°22 | 7°59 | W18 |
| T 19 | 20 19 45 | 3°53'46 | 21°56 | 29°13 | 29°33 | 4°59 | 19°26 | 22° 9 | 18°23 | 20°55 | 20°33 | 17°36 | 17° 5 | 19°29 | 8° 2 | T 19 |
| F 20 | 20 23 42 | 4°51'15 | 3♏45 | 0♍33 | 0♋44 | 5°31 | 19°37 | 22°13 | 18°24 | 20°53 | 20°33 | 17°D35 | 17° 2 | 19°36 | 8° 6 | F 20 |
| S 21 | 20 27 38 | 5°48'45 | 15°38 | 1°51 | 1°55 | 6° 3 | 19°48 | 22°17 | 18°25 | 20°52 | 20°33 | 17°R35 | 16°58 | 19°42 | 8° 9 | S 21 |
| S 22 | 20 31 35 | 6°46'16 | 27°42 | 3° 6 | 3° 6 | 6°35 | 19°59 | 22°21 | 18°26 | 20°50 | 20°33 | 17°35 | 16°55 | 19°49 | 8°12 | S 22 |
| M23 | 20 35 31 | 7°43'48 | 10♐ 1 | 4°20 | 4°17 | 7° 8 | 20°10 | 22°24 | 18°28 | 20°49 | 20°32 | 17°33 | 16°52 | 19°56 | 8°15 | M23 |
| T 24 | 20 39 28 | 8°41'21 | 22°39 | 5°31 | 5°28 | 7°41 | 20°21 | 22°28 | 18°29 | 20°47 | 20°32 | 17°29 | 16°49 | 20° 2 | 8°18 | T 24 |
| W25 | 20 43 25 | 9°38'55 | 5♑40 | 6°40 | 6°40 | 8°14 | 20°32 | 22°32 | 18°30 | 20°45 | 20°32 | 17°23 | 16°46 | 20° 9 | 8°21 | W25 |
| T 26 | 20 47 21 | 10°36'30 | 19° 5 | 7°47 | 7°51 | 8°47 | 20°43 | 22°35 | 18°31 | 20°44 | 20°32 | 17°14 | 16°42 | 20°16 | 8°24 | T 26 |
| F 27 | 20 51 18 | 11°34'06 | 2♒53 | 8°51 | 9° 2 | 9°21 | 20°54 | 22°38 | 18°32 | 20°42 | 20°31 | 17° 3 | 16°39 | 20°22 | 8°27 | F 27 |
| S 28 | 20 55 14 | 12°31'43 | 17° 1 | 9°53 | 10°14 | 9°55 | 21° 6 | 22°42 | 18°33 | 20°41 | 20°31 | 16°52 | 16°36 | 20°29 | 8°30 | S 28 |
| S 29 | 20 59 11 | 13°29'22 | 1♓24 | 10°52 | 11°25 | 10°29 | 21°17 | 22°45 | 18°34 | 20°39 | 20°31 | 16°40 | 16°33 | 20°36 | 8°33 | S 29 |
| M30 | 21 3 7 | 14°27'02 | 15°56 | 11°49 | 12°37 | 11° 3 | 21°29 | 22°48 | 18°35 | 20°37 | 20°30 | 16°31 | 16°30 | 20°42 | 8°36 | M30 |
| T 31 | 21 7 4 | 15♌24'43 | 0♈29 | 12♍42 | 13♋48 | 11♏38 | 21♍40 | 22♉51 | 18♉36 | 20♒36 | 20♈30 | 16♉23 | 16♉27 | 20♎49 | 8♊38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n29 | 19s 6 | 5s 5 | 21n55 | 1n47 | 19n57 | 1s53 | 11s20 | 1s15 | 6n30 | 1n14 | 15n58 | 2s 6 | 16n54 | 0s19 | 14s55 | 0s30 | 7s43 | 17s 0 | 17n36 | 17n16 | 4s28 | 17n49 | 3s46 |
| M 2 | 22 21 | 13 55 | 4 52 | 21 28 | 1 45 | 20 10 | 1 50 | 11 31 | 1 16 | 6 26 | 1 13 | 15 59 | 2 7 | 16 55 | 0 19 | 14 55 | 0 30 | 7 43 | 17 1 | 17 34 | 17 15 | 4 31 | 17 50 | 3 47 |
| T 3 | 22 14 | 7 58 | 4 22 | 21 0 | 1 42 | 20 22 | 1 48 | 11 41 | 1 17 | 6 23 | 1 13 | 16 0 | 2 7 | 16 55 | 0 19 | 14 56 | 0 30 | 7 44 | 17 1 | 17 32 | 17 14 | 4 34 | 17 50 | 3 47 |
| W 4 | 22 6 | 1 36 | 3 35 | 20 30 | 1 39 | 20 34 | 1 45 | 11 52 | 1 18 | 6 19 | 1 13 | 16 1 | 2 7 | 16 56 | 0 19 | 14 56 | 0 30 | 7 44 | 17 1 | 17 32 | 17 13 | 4 38 | 17 51 | 3 47 |
| T 5 | 21 57 | 4n51 | 2 36 | 19 59 | 1 35 | 20 45 | 1 43 | 12 3 | 1 19 | 6 15 | 1 13 | 16 3 | 2 7 | 16 56 | 0 19 | 14 57 | 0 30 | 7 44 | 17 2 | 17 31 | 17 12 | 4 41 | 17 51 | 3 47 |
| F 6 | 21 48 | 11 3 | 1 27 | 19 28 | 1 30 | 20 56 | 1 40 | 12 13 | 1 19 | 6 11 | 1 13 | 16 4 | 2 7 | 16 57 | 0 19 | 14 57 | 0 30 | 7 44 | 17 2 | 17 31 | 17 11 | 4 44 | 17 51 | 3 48 |
| S 7 | 21 39 | 16 39 | 0 13 | 18 55 | 1 25 | 21 7 | 1 38 | 12 24 | 1 20 | 6 7 | 1 13 | 16 5 | 2 7 | 16 57 | 0 19 | 14 58 | 0 30 | 7 45 | 17 3 | 17 31 | 17 10 | 4 47 | 17 52 | 3 48 |
| S 8 | 21 30 | 21 21 | 1n 2 | 18 21 | 1 20 | 21 16 | 1 35 | 12 35 | 1 21 | 6 3 | 1 13 | 16 6 | 2 7 | 16 58 | 0 19 | 14 58 | 0 30 | 7 45 | 17 3 | 17 31 | 17 10 | 4 51 | 17 52 | 3 48 |
| M 9 | 21 20 | 24 48 | 2 11 | 17 47 | 1 14 | 21 26 | 1 32 | 12 46 | 1 22 | 5 59 | 1 12 | 16 7 | 2 8 | 16 58 | 0 19 | 14 59 | 0 30 | 7 45 | 17 3 | 17 31 | 17 9 | 4 54 | 17 52 | 3 49 |
| T 10 | 21 9 | 26 44 | 3 13 | 17 12 | 1 8 | 21 35 | 1 30 | 12 57 | 1 23 | 5 55 | 1 12 | 16 8 | 2 8 | 16 59 | 0 19 | 14 59 | 0 31 | 7 45 | 17 4 | 17 29 | 17 8 | 4 57 | 17 53 | 3 49 |
| W11 | 20 59 | 27 1 | 4 2 | 16 37 | 1 1 | 21 43 | 1 27 | 13 8 | 1 24 | 5 51 | 1 12 | 16 10 | 2 8 | 16 59 | 0 19 | 15 0 | 0 31 | 7 46 | 17 4 | 17 27 | 17 7 | 5 0 | 17 53 | 3 49 |
| T 12 | 20 48 | 25 43 | 4 38 | 16 1 | 0 54 | 21 50 | 1 24 | 13 19 | 1 25 | 5 47 | 1 12 | 16 11 | 2 8 | 17 0 | 0 19 | 15 0 | 0 31 | 7 46 | 17 4 | 17 24 | 17 6 | 5 4 | 17 53 | 3 49 |
| F 13 | 20 36 | 23 2 | 4 57 | 15 25 | 0 47 | 21 57 | 1 21 | 13 31 | 1 26 | 5 43 | 1 12 | 16 12 | 2 8 | 17 0 | 0 19 | 15 1 | 0 31 | 7 46 | 17 5 | 17 21 | 17 5 | 5 7 | 17 54 | 3 50 |
| S 14 | 20 25 | 19 15 | 5 1 | 14 48 | 0 39 | 22 4 | 1 18 | 13 42 | 1 26 | 5 39 | 1 12 | 16 13 | 2 8 | 17 1 | 0 19 | 15 1 | 0 31 | 7 47 | 17 5 | 17 18 | 17 4 | 5 10 | 17 54 | 3 50 |
| S 15 | 20 13 | 14 41 | 4 51 | 14 12 | 0 31 | 22 10 | 1 16 | 13 53 | 1 27 | 5 34 | 1 12 | 16 14 | 2 9 | 17 1 | 0 19 | 15 2 | 0 31 | 7 47 | 17 5 | 17 15 | 17 3 | 5 13 | 17 54 | 3 50 |
| M16 | 20 0 | 9 36 | 4 27 | 13 35 | 0 23 | 22 15 | 1 13 | 14 4 | 1 28 | 5 30 | 1 11 | 16 15 | 2 9 | 17 2 | 0 19 | 15 2 | 0 31 | 7 47 | 17 6 | 17 12 | 17 2 | 5 17 | 17 54 | 3 51 |
| T 17 | 19 47 | 4 15 | 3 51 | 12 58 | 0 15 | 22 20 | 1 10 | 14 16 | 1 29 | 5 26 | 1 11 | 16 16 | 2 9 | 17 2 | 0 19 | 15 3 | 0 31 | 7 48 | 17 6 | 17 10 | 17 2 | 5 20 | 17 55 | 3 51 |
| W18 | 19 34 | 1s11 | 3 5 | 12 21 | 0 6 | 22 24 | 1 7 | 14 27 | 1 29 | 5 22 | 1 11 | 16 16 | 2 9 | 17 2 | 0 20 | 15 3 | 0 31 | 7 48 | 17 6 | 17 9 | 17 1 | 5 23 | 17 55 | 3 51 |
| T 19 | 19 21 | 6 32 | 2 12 | 11 44 | 0s 3 | 22 28 | 1 4 | 14 39 | 1 30 | 5 17 | 1 11 | 16 17 | 2 9 | 17 3 | 0 20 | 15 4 | 0 31 | 7 48 | 17 7 | 17 9 | 17 0 | 5 26 | 17 55 | 3 52 |
| F 20 | 19 7 | 11 40 | 1 13 | 11 7 | 0 13 | 22 31 | 1 1 | 14 50 | 1 31 | 5 13 | 1 11 | 16 18 | 2 9 | 17 3 | 0 20 | 15 4 | 0 31 | 7 49 | 17 7 | 17 8 | 16 59 | 5 30 | 17 55 | 3 52 |
| S 21 | 18 53 | 16 25 | 0 10 | 10 31 | 0 22 | 22 33 | 0 58 | 15 1 | 1 31 | 5 8 | 1 11 | 16 19 | 2 10 | 17 4 | 0 20 | 15 5 | 0 31 | 7 49 | 17 7 | 17 8 | 16 58 | 5 33 | 17 55 | 3 52 |
| S 22 | 18 39 | 20 35 | 0s53 | 9 54 | 0 32 | 22 35 | 0 55 | 15 13 | 1 32 | 5 4 | 1 11 | 16 20 | 2 10 | 17 4 | 0 20 | 15 5 | 0 31 | 7 50 | 17 8 | 17 8 | 16 57 | 5 36 | 17 56 | 3 53 |
| M23 | 18 24 | 23 56 | 1 56 | 9 19 | 0 42 | 22 36 | 0 52 | 15 24 | 1 33 | 5 0 | 1 11 | 16 21 | 2 10 | 17 4 | 0 20 | 15 6 | 0 31 | 7 50 | 17 8 | 17 8 | 16 56 | 5 39 | 17 56 | 3 53 |
| T 24 | 18 9 | 26 13 | 2 54 | 8 43 | 0 52 | 22 36 | 0 49 | 15 36 | 1 33 | 4 55 | 1 11 | 16 21 | 2 10 | 17 5 | 0 20 | 15 6 | 0 31 | 7 50 | 17 8 | 17 7 | 16 55 | 5 43 | 17 56 | 3 53 |
| W25 | 17 54 | 27 9 | 3 45 | 8 8 | 1 2 | 22 36 | 0 46 | 15 47 | 1 34 | 4 51 | 1 10 | 16 22 | 2 10 | 17 5 | 0 20 | 15 7 | 0 31 | 7 51 | 17 9 | 17 5 | 16 54 | 5 46 | 17 56 | 3 54 |
| T 26 | 17 38 | 26 32 | 4 25 | 7 34 | 1 13 | 22 35 | 0 42 | 15 58 | 1 35 | 4 46 | 1 10 | 16 23 | 2 10 | 17 5 | 0 20 | 15 7 | 0 31 | 7 51 | 17 9 | 17 2 | 16 53 | 5 49 | 17 56 | 3 54 |
| F 27 | 17 23 | 24 18 | 4 51 | 7 0 | 1 23 | 22 34 | 0 39 | 16 10 | 1 35 | 4 42 | 1 10 | 16 24 | 2 11 | 17 5 | 0 20 | 15 8 | 0 31 | 7 51 | 17 9 | 16 59 | 16 52 | 5 52 | 17 56 | 3 54 |
| S 28 | 17 6 | 20 33 | 5 0 | 6 27 | 1 34 | 22 32 | 0 36 | 16 21 | 1 36 | 4 37 | 1 10 | 16 24 | 2 11 | 17 6 | 0 20 | 15 8 | 0 31 | 7 52 | 17 10 | 16 56 | 16 52 | 5 56 | 17 56 | 3 55 |
| S 29 | 16 50 | 15 32 | 4 51 | 5 55 | 1 44 | 22 29 | 0 33 | 16 33 | 1 36 | 4 32 | 1 10 | 16 25 | 2 11 | 17 6 | 0 20 | 15 9 | 0 31 | 7 52 | 17 10 | 16 53 | 16 51 | 5 59 | 17 56 | 3 55 |
| M30 | 16 33 | 9 35 | 4 22 | 5 23 | 1 55 | 22 26 | 0 30 | 16 44 | 1 37 | 4 28 | 1 10 | 16 25 | 2 11 | 17 6 | 0 20 | 15 9 | 0 31 | 7 53 | 17 10 | 16 50 | 16 50 | 6 2 | 17 57 | 3 55 |
| T 31 | 16n16 | 3s 7 | 3s37 | 4n53 | 2s 6 | 22n21 | 0s27 | 16s55 | 1s37 | 4n23 | 1n10 | 16n26 | 2s11 | 17n 6 | 0s20 | 15s10 | 0s31 | 7s53 | 17s11 | 16n48 | 16n49 | 6s 5 | 17n57 | 3s56 |

Julian Day Number = 2215057.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'32, Lahiri = 14°49'32 Julian Calendar 1 July 1352 == Greg. Calendar 9 July 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## AUGUST 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 11 0 | 16♌22'26 | 14♈58 | 13♍33 | 15♋ 0 | 12♏12 | 21♍52 | 22♉54 | 18♉37 | 20°R34 | 20°R30 | 16°R19 | 16♉23 | 20♎56 | 8♊41 | W 1 |
| T 2 | 21 14 57 | 17°20'11 | 29°19 | 14°20 | 16°12 | 12°47 | 22° 4 | 22°57 | 18°37 | 20♒32 | 20♈29 | 16♉17 | 16°20 | 21° 2 | 8°44 | T 2 |
| F 3 | 21 18 54 | 18°17'57 | 13♉28 | 15° 4 | 17°24 | 13°23 | 22°15 | 22°59 | 18°38 | 20°31 | 20°29 | 16°16 | 16°17 | 21° 9 | 8°46 | F 3 |
| S 4 | 21 22 50 | 19°15'46 | 27°26 | 15°44 | 18°36 | 13°58 | 22°27 | 23° 2 | 18°39 | 20°29 | 20°28 | 16°16 | 16°14 | 21°15 | 8°49 | S 4 |
| S 5 | 21 26 47 | 20°13'36 | 11♊12 | 16°20 | 19°48 | 14°33 | 22°39 | 23° 5 | 18°39 | 20°27 | 20°28 | 16°15 | 16°11 | 21°22 | 8°51 | S 5 |
| M 6 | 21 30 43 | 21°11'28 | 24°47 | 16°53 | 21° 0 | 15° 9 | 22°51 | 23° 7 | 18°40 | 20°26 | 20°27 | 16°12 | 16° 7 | 21°29 | 8°53 | M 6 |
| T 7 | 21 34 40 | 22° 9'22 | 8♋10 | 17°21 | 22°12 | 15°45 | 23° 3 | 23° 9 | 18°40 | 20°24 | 20°27 | 16° 7 | 16° 4 | 21°35 | 8°56 | T 7 |
| W 8 | 21 38 36 | 23° 7'17 | 21°22 | 17°44 | 23°24 | 16°21 | 23°15 | 23°12 | 18°41 | 20°22 | 20°26 | 15°58 | 16° 1 | 21°42 | 8°58 | W 8 |
| T 9 | 21 42 33 | 24° 5'14 | 4♌22 | 18° 3 | 24°37 | 16°58 | 23°27 | 23°14 | 18°41 | 20°21 | 20°26 | 15°47 | 15°58 | 21°49 | 9° 0 | T 9 |
| F 10 | 21 46 29 | 25° 3'13 | 17°11 | 18°17 | 25°49 | 17°34 | 23°39 | 23°16 | 18°41 | 20°19 | 20°25 | 15°34 | 15°55 | 21°55 | 9° 2 | F 10 |
| S 11 | 21 50 26 | 26° 1'14 | 29°46 | 18°25 | 27° 1 | 18°11 | 23°51 | 23°18 | 18°42 | 20°18 | 20°25 | 15°21 | 15°52 | 22° 2 | 9° 4 | S 11 |
| S 12 | 21 54 23 | 26°59'16 | 12♍ 9 | 18°R28 | 28°14 | 18°48 | 24° 3 | 23°19 | 18°42 | 20°16 | 20°24 | 15° 9 | 15°48 | 22° 9 | 9° 6 | S 12 |
| M13 | 21 58 19 | 27°57'19 | 24°20 | 18°25 | 29°27 | 19°25 | 24°15 | 23°21 | 18°42 | 20°14 | 20°24 | 14°58 | 15°45 | 22°15 | 9° 8 | M13 |
| T 14 | 22 2 16 | 28°55'24 | 6♎20 | 18°15 | 0♌39 | 20° 3 | 24°28 | 23°23 | 18°42 | 20°13 | 20°23 | 14°50 | 15°42 | 22°22 | 9°10 | T 14 |
| W15 | 22 6 12 | 29°53'31 | 18°12 | 18° 0 | 1°52 | 20°40 | 24°40 | 23°24 | 18°42 | 20°11 | 20°22 | 14°44 | 15°39 | 22°29 | 9°12 | W15 |
| T 16 | 22 10 9 | 0♍51'39 | 29°59 | 17°38 | 3° 5 | 21°18 | 24°52 | 23°25 | 18°R42 | 20° 9 | 20°22 | 14°41 | 15°36 | 22°35 | 9°13 | T 16 |
| F 17 | 22 14 5 | 1°49'49 | 11♏47 | 17°10 | 4°17 | 21°56 | 25° 5 | 23°27 | 18°42 | 20° 8 | 20°21 | 14°D40 | 15°33 | 22°42 | 9°15 | F 17 |
| S 18 | 22 18 2 | 2°48'00 | 23°39 | 16°36 | 5°30 | 22°34 | 25°17 | 23°28 | 18°42 | 20° 6 | 20°20 | 14°40 | 15°29 | 22°49 | 9°17 | S 18 |
| S 19 | 22 21 58 | 3°46'13 | 5♐41 | 15°56 | 6°43 | 23°12 | 25°30 | 23°29 | 18°42 | 20° 5 | 20°19 | 14°R41 | 15°26 | 22°55 | 9°18 | S 19 |
| M20 | 22 25 55 | 4°44'27 | 17°59 | 15°11 | 7°56 | 23°50 | 25°42 | 23°30 | 18°42 | 20° 3 | 20°19 | 14°40 | 15°23 | 23° 2 | 9°19 | M20 |
| T 21 | 22 29 52 | 5°42'43 | 0♑37 | 14°20 | 9° 9 | 24°29 | 25°55 | 23°31 | 18°42 | 20° 2 | 20°18 | 14°37 | 15°20 | 23° 9 | 9°21 | T 21 |
| W22 | 22 33 48 | 6°41'00 | 13°39 | 13°25 | 10°22 | 25° 8 | 26° 7 | 23°31 | 18°42 | 20° 0 | 20°17 | 14°32 | 15°17 | 23°15 | 9°22 | W22 |
| T 23 | 22 37 45 | 7°39'19 | 27° 9 | 12°27 | 11°35 | 25°46 | 26°20 | 23°32 | 18°41 | 19°58 | 20°16 | 14°25 | 15°13 | 23°22 | 9°23 | T 23 |
| F 24 | 22 41 41 | 8°37'40 | 11♒ 7 | 11°27 | 12°48 | 26°25 | 26°33 | 23°33 | 18°41 | 19°57 | 20°16 | 14°16 | 15°10 | 23°29 | 9°24 | F 24 |
| S 25 | 22 45 38 | 9°36'02 | 25°30 | 10°26 | 14° 2 | 27° 5 | 26°45 | 23°33 | 18°40 | 19°55 | 20°15 | 14° 6 | 15° 7 | 23°35 | 9°26 | S 25 |
| S 26 | 22 49 34 | 10°34'27 | 10♓12 | 9°25 | 15°15 | 27°44 | 26°58 | 23°33 | 18°40 | 19°54 | 20°14 | 13°56 | 15° 4 | 23°42 | 9°27 | S 26 |
| M27 | 22 53 31 | 11°32'53 | 25° 6 | 8°26 | 16°28 | 28°23 | 27°11 | 23°33 | 18°40 | 19°52 | 20°13 | 13°48 | 15° 1 | 23°49 | 9°28 | M27 |
| T 28 | 22 57 27 | 12°31'20 | 10♈ 3 | 7°30 | 17°42 | 29° 3 | 27°23 | 23°R34 | 18°39 | 19°51 | 20°12 | 13°42 | 14°58 | 23°55 | 9°28 | T 28 |
| W29 | 23 1 24 | 13°29'50 | 24°55 | 6°39 | 18°55 | 29°43 | 27°36 | 23°33 | 18°38 | 19°49 | 20°11 | 13°38 | 14°54 | 24° 2 | 9°29 | W29 |
| T 30 | 23 5 21 | 14°28'23 | 9♉34 | 5°55 | 20° 9 | 0♐22 | 27°49 | 23°33 | 18°38 | 19°48 | 20°11 | 13°D36 | 14°51 | 24° 9 | 9°30 | T 30 |
| F 31 | 23 9 17 | 15♍26'57 | 23♉56 | 5♍17 | 21♌22 | 1♐ 2 | 28♍ 2 | 23♉33 | 18♉37 | 19♒46 | 20♈10 | 13♉37 | 14♉48 | 24♎15 | 9♊31 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n59 | 3n30 | 2s37 | 4n24 | 2s16 | 22n17 | 0s24 | 17s 6 | 1s38 | 4n18 | 1n10 | 16n27 | 2s12 | 17n 7 | 0s20 | 15s10 | 0s31 | 7s54 | 17s11 | 16n47 | 16n48 | 6s 8 | 17n57 | 3s56 |
| T 2 | 15 42 | 9 53 | 1 28 | 3 56 | 2 27 | 22 12 | 0 21 | 17 18 | 1 38 | 4 14 | 1 10 | 16 27 | 2 12 | 17 7 | 0 20 | 15 11 | 0 31 | 7 54 | 17 11 | 16 46 | 16 47 | 6 12 | 17 57 | 3 56 |
| F 3 | 15 24 | 15 42 | 0 15 | 3 29 | 2 37 | 22 6 | 0 18 | 17 29 | 1 39 | 4 9 | 1 10 | 16 28 | 2 12 | 17 7 | 0 20 | 15 12 | 0 31 | 7 54 | 17 12 | 16 46 | 16 46 | 6 15 | 17 57 | 3 57 |
| S 4 | 15 6 | 20 37 | 0n59 | 3 4 | 2 48 | 21 59 | 0 15 | 17 40 | 1 39 | 4 4 | 1 10 | 16 28 | 2 12 | 17 7 | 0 20 | 15 12 | 0 31 | 7 55 | 17 12 | 16 46 | 16 45 | 6 18 | 17 57 | 3 57 |
| S 5 | 14 48 | 24 19 | 2 8 | 2 41 | 2 58 | 21 52 | 0 12 | 17 51 | 1 40 | 3 59 | 1 9 | 16 28 | 2 12 | 17 7 | 0 20 | 15 13 | 0 31 | 7 55 | 17 12 | 16 46 | 16 44 | 6 21 | 17 57 | 3 57 |
| M 6 | 14 29 | 26 34 | 3 8 | 2 19 | 3 8 | 21 44 | 0 9 | 18 2 | 1 40 | 3 55 | 1 9 | 16 29 | 2 13 | 17 7 | 0 20 | 15 13 | 0 31 | 7 56 | 17 12 | 16 45 | 16 43 | 6 25 | 17 57 | 3 58 |
| T 7 | 14 11 | 27 14 | 3 58 | 1 59 | 3 18 | 21 36 | 0 6 | 18 13 | 1 41 | 3 50 | 1 9 | 16 29 | 2 13 | 17 8 | 0 20 | 15 14 | 0 31 | 7 56 | 17 13 | 16 43 | 16 42 | 6 28 | 17 57 | 3 58 |
| W 8 | 13 52 | 26 19 | 4 34 | 1 41 | 3 27 | 21 27 | 0 3 | 18 24 | 1 41 | 3 45 | 1 9 | 16 30 | 2 13 | 17 8 | 0 20 | 15 14 | 0 31 | 7 57 | 17 13 | 16 41 | 16 41 | 6 31 | 17 57 | 3 59 |
| T 9 | 13 32 | 24 0 | 4 55 | 1 25 | 3 36 | 21 17 | 0n 0 | 18 35 | 1 41 | 3 40 | 1 9 | 16 30 | 2 13 | 17 8 | 0 20 | 15 15 | 0 31 | 7 57 | 17 13 | 16 37 | 16 41 | 6 34 | 17 57 | 3 59 |
| F 10 | 13 13 | 20 30 | 5 0 | 1 12 | 3 45 | 21 7 | 0 3 | 18 46 | 1 42 | 3 35 | 1 9 | 16 30 | 2 13 | 17 8 | 0 20 | 15 15 | 0 31 | 7 58 | 17 14 | 16 34 | 16 40 | 6 38 | 17 57 | 3 59 |
| S 11 | 12 53 | 16 8 | 4 51 | 1 2 | 3 53 | 20 56 | 0 6 | 18 57 | 1 42 | 3 30 | 1 9 | 16 31 | 2 13 | 17 8 | 0 20 | 15 16 | 0 31 | 7 58 | 17 14 | 16 30 | 16 39 | 6 41 | 17 56 | 4 0 |
| S 12 | 12 34 | 11 9 | 4 28 | 0 54 | 4 0 | 20 44 | 0 9 | 19 7 | 1 43 | 3 25 | 1 9 | 16 31 | 2 14 | 17 8 | 0 20 | 15 16 | 0 31 | 7 59 | 17 14 | 16 26 | 16 38 | 6 44 | 17 56 | 4 0 |
| M13 | 12 14 | 5 50 | 3 53 | 0 49 | 4 6 | 20 32 | 0 12 | 19 18 | 1 43 | 3 21 | 1 9 | 16 31 | 2 14 | 17 8 | 0 20 | 15 17 | 0 31 | 7 59 | 17 14 | 16 23 | 16 37 | 6 47 | 17 56 | 4 0 |
| T 14 | 11 53 | 0 21 | 3 8 | 0 48 | 4 12 | 20 19 | 0 15 | 19 28 | 1 43 | 3 16 | 1 9 | 16 31 | 2 14 | 17 8 | 0 20 | 15 17 | 0 31 | 8 0 | 17 15 | 16 21 | 16 36 | 6 50 | 17 56 | 4 1 |
| W15 | 11 33 | 5s 4 | 2 16 | 0 50 | 4 16 | 20 6 | 0 17 | 19 39 | 1 44 | 3 11 | 1 9 | 16 31 | 2 14 | 17 8 | 0 20 | 15 18 | 0 31 | 8 0 | 17 15 | 16 19 | 16 35 | 6 54 | 17 56 | 4 1 |
| T 16 | 11 12 | 10 18 | 1 17 | 0 55 | 4 20 | 19 52 | 0 20 | 19 49 | 1 44 | 3 6 | 1 9 | 16 32 | 2 14 | 17 8 | 0 20 | 15 18 | 0 31 | 8 1 | 17 15 | 16 18 | 16 34 | 6 57 | 17 56 | 4 2 |
| F 17 | 10 52 | 15 11 | 0 15 | 1 4 | 4 22 | 19 38 | 0 23 | 19 59 | 1 44 | 3 1 | 1 9 | 16 32 | 2 15 | 17 8 | 0 20 | 15 19 | 0 31 | 8 1 | 17 16 | 16 18 | 16 33 | 7 0 | 17 56 | 4 2 |
| S 18 | 10 31 | 19 31 | 0s48 | 1 17 | 4 22 | 19 23 | 0 26 | 20 10 | 1 45 | 2 56 | 1 9 | 16 32 | 2 15 | 17 8 | 0 20 | 15 19 | 0 31 | 8 2 | 17 16 | 16 18 | 16 32 | 7 3 | 17 56 | 4 2 |
| S 19 | 10 10 | 23 8 | 1 49 | 1 33 | 4 21 | 19 7 | 0 28 | 20 20 | 1 45 | 2 51 | 1 8 | 16 32 | 2 15 | 17 8 | 0 20 | 15 20 | 0 31 | 8 2 | 17 16 | 16 18 | 16 31 | 7 7 | 17 55 | 4 3 |
| M20 | 9 48 | 25 46 | 2 48 | 1 54 | 4 18 | 18 51 | 0 31 | 20 30 | 1 45 | 2 46 | 1 8 | 16 32 | 2 15 | 17 8 | 0 20 | 15 20 | 0 31 | 8 3 | 17 16 | 16 18 | 16 30 | 7 10 | 17 55 | 4 3 |
| T 21 | 9 27 | 27 10 | 3 39 | 2 17 | 4 13 | 18 34 | 0 33 | 20 40 | 1 45 | 2 41 | 1 8 | 16 32 | 2 15 | 17 8 | 0 20 | 15 21 | 0 31 | 8 3 | 17 17 | 16 17 | 16 29 | 7 13 | 17 55 | 4 4 |
| W22 | 9 5 | 27 9 | 4 21 | 2 44 | 4 7 | 18 17 | 0 36 | 20 49 | 1 46 | 2 36 | 1 8 | 16 32 | 2 16 | 17 8 | 0 20 | 15 21 | 0 31 | 8 4 | 17 17 | 16 15 | 16 29 | 7 16 | 17 55 | 4 4 |
| T 23 | 8 44 | 25 32 | 4 50 | 3 15 | 3 58 | 17 59 | 0 38 | 20 59 | 1 46 | 2 30 | 1 8 | 16 32 | 2 16 | 17 8 | 0 20 | 15 22 | 0 31 | 8 4 | 17 17 | 16 13 | 16 28 | 7 20 | 17 55 | 4 4 |
| F 24 | 8 22 | 22 21 | 5 3 | 3 47 | 3 48 | 17 41 | 0 41 | 21 8 | 1 46 | 2 25 | 1 8 | 16 32 | 2 16 | 17 8 | 0 20 | 15 22 | 0 31 | 8 5 | 17 17 | 16 11 | 16 27 | 7 23 | 17 54 | 4 5 |
| S 25 | 8 0 | 17 44 | 4 58 | 4 22 | 3 35 | 17 22 | 0 43 | 21 18 | 1 46 | 2 20 | 1 8 | 16 32 | 2 16 | 17 8 | 0 20 | 15 23 | 0 31 | 8 5 | 17 17 | 16 8 | 16 26 | 7 26 | 17 54 | 4 5 |
| S 26 | 7 38 | 11 58 | 4 33 | 4 58 | 3 21 | 17 3 | 0 46 | 21 27 | 1 46 | 2 15 | 1 8 | 16 32 | 2 16 | 17 7 | 0 20 | 15 23 | 0 31 | 8 6 | 17 18 | 16 5 | 16 25 | 7 29 | 17 54 | 4 6 |
| M27 | 7 15 | 5 27 | 3 49 | 5 35 | 3 5 | 16 43 | 0 48 | 21 36 | 1 47 | 2 10 | 1 8 | 16 31 | 2 17 | 17 7 | 0 20 | 15 24 | 0 31 | 8 6 | 17 18 | 16 2 | 16 24 | 7 32 | 17 54 | 4 6 |
| T 28 | 6 53 | 1n24 | 2 49 | 6 11 | 2 48 | 16 23 | 0 50 | 21 45 | 1 47 | 2 5 | 1 8 | 16 31 | 2 17 | 17 7 | 0 20 | 15 24 | 0 31 | 8 7 | 17 18 | 16 0 | 16 23 | 7 36 | 17 53 | 4 6 |
| W29 | 6 31 | 8 9 | 1 38 | 6 47 | 2 30 | 16 2 | 0 52 | 21 54 | 1 47 | 2 0 | 1 8 | 16 31 | 2 17 | 17 7 | 0 20 | 15 25 | 0 31 | 8 7 | 17 18 | 15 59 | 16 22 | 7 39 | 17 53 | 4 7 |
| T 30 | 6 8 | 14 23 | 0 22 | 7 21 | 2 11 | 15 41 | 0 55 | 22 3 | 1 47 | 1 55 | 1 8 | 16 31 | 2 17 | 17 7 | 0 20 | 15 25 | 0 31 | 8 8 | 17 19 | 15 59 | 16 21 | 7 42 | 17 53 | 4 7 |
| F 31 | 5n45 | 19n43 | 0n55 | 7n53 | 1s51 | 15n19 | 0n57 | 22s11 | 1s47 | 1n50 | 1n 8 | 16n31 | 2s17 | 17n 7 | 0s20 | 15s26 | 0s31 | 8s 8 | 17s19 | 15n59 | 16n20 | 7s45 | 17n53 | 4s 8 |

Julian Day Number = 2215088.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'36, Lahiri = 14°49'36 Julian Calendar 1 Aug. 1352 == Greg. Calendar 9 Aug. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## SEPTEMBER 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 13 14 | 16♍25'34 | 7♊59 | 4°R47 | 22♌36 | 1♐43 | 28♍15 | 23°R33 | 18°R36 | 19°R45 | 20°R 9 | 13♉37 | 14♉45 | 24♎22 | 9♊31 | S 1 |
| S 2 | 23 17 10 | 17°24'13 | 21°44 | 4♍26 | 23°50 | 2°23 | 28°27 | 23♉32 | 18♉35 | 19♒44 | 20♈ 8 | 13°R38 | 14°42 | 24°29 | 9°32 | S 2 |
| M 3 | 23 21 7 | 18°22'54 | 5♋10 | 4°15 | 25° 4 | 3° 3 | 28°40 | 23°32 | 18°35 | 19°42 | 20° 7 | 13°36 | 14°39 | 24°35 | 9°32 | M 3 |
| T 4 | 23 25 3 | 19°21'38 | 18°19 | 4°D13 | 26°17 | 3°44 | 28°53 | 23°31 | 18°34 | 19°41 | 20° 6 | 13°33 | 14°35 | 24°42 | 9°32 | T 4 |
| W 5 | 23 29 0 | 20°20'24 | 1♌14 | 4°21 | 27°31 | 4°25 | 29° 6 | 23°30 | 18°33 | 19°39 | 20° 5 | 13°27 | 14°32 | 24°48 | 9°33 | W 5 |
| T 6 | 23 32 56 | 21°19'12 | 13°56 | 4°40 | 28°45 | 5° 5 | 29°19 | 23°29 | 18°32 | 19°38 | 20° 4 | 13°19 | 14°29 | 24°55 | 9°33 | T 6 |
| F 7 | 23 36 53 | 22°18'02 | 26°27 | 5° 7 | 29°59 | 5°46 | 29°32 | 23°28 | 18°31 | 19°37 | 20° 3 | 13°10 | 14°26 | 25° 2 | 9°33 | F 7 |
| S 8 | 23 40 50 | 23°16'54 | 8♍46 | 5°44 | 1♍13 | 6°28 | 29°45 | 23°27 | 18°30 | 19°36 | 20° 2 | 13° 0 | 14°23 | 25° 8 | 9°R33 | S 8 |
| S 9 | 23 44 46 | 24°15'49 | 20°56 | 6°30 | 2°27 | 7° 9 | 29°58 | 23°26 | 18°28 | 19°34 | 20° 1 | 12°51 | 14°19 | 25°15 | 9°33 | S 9 |
| M10 | 23 48 43 | 25°14'45 | 2♎57 | 7°24 | 3°41 | 7°50 | 0♎11 | 23°25 | 18°27 | 19°33 | 20° 0 | 12°43 | 14°16 | 25°22 | 9°33 | M10 |
| T 11 | 23 52 39 | 26°13'44 | 14°51 | 8°25 | 4°55 | 8°32 | 0°24 | 23°23 | 18°26 | 19°32 | 19°59 | 12°38 | 14°13 | 25°28 | 9°33 | T 11 |
| W12 | 23 56 36 | 27°12'44 | 26°39 | 9°33 | 6° 9 | 9°13 | 0°37 | 23°22 | 18°25 | 19°30 | 19°58 | 12°34 | 14°10 | 25°35 | 9°33 | W12 |
| T 13 | 0 0 32 | 28°11'46 | 8♏25 | 10°48 | 7°24 | 9°55 | 0°50 | 23°20 | 18°23 | 19°29 | 19°57 | 12°D32 | 14° 7 | 25°42 | 9°32 | T 13 |
| F 14 | 0 4 29 | 29°10'51 | 20°12 | 12° 8 | 8°38 | 10°37 | 1° 3 | 23°18 | 18°22 | 19°28 | 19°56 | 12°33 | 14° 4 | 25°48 | 9°32 | F 14 |
| S 15 | 0 8 25 | 0♎ 9'57 | 2♐ 4 | 13°32 | 9°52 | 11°19 | 1°16 | 23°16 | 18°21 | 19°27 | 19°55 | 12°34 | 14° 0 | 25°55 | 9°31 | S 15 |
| S 16 | 0 12 22 | 1° 9'05 | 14° 5 | 15° 1 | 11° 7 | 12° 1 | 1°29 | 23°14 | 18°19 | 19°26 | 19°54 | 12°36 | 13°57 | 26° 2 | 9°31 | S 16 |
| M17 | 0 16 19 | 2° 8'15 | 26°20 | 16°33 | 12°21 | 12°43 | 1°42 | 23°12 | 18°18 | 19°25 | 19°53 | 12°R37 | 13°54 | 26° 8 | 9°30 | M17 |
| T 18 | 0 20 15 | 3° 7'27 | 8♑54 | 18° 9 | 13°35 | 13°25 | 1°55 | 23°10 | 18°16 | 19°24 | 19°52 | 12°37 | 13°51 | 26°15 | 9°30 | T 18 |
| W19 | 0 24 12 | 4° 6'40 | 21°53 | 19°46 | 14°50 | 14° 8 | 2° 8 | 23° 8 | 18°15 | 19°23 | 19°50 | 12°35 | 13°48 | 26°22 | 9°29 | W19 |
| T 20 | 0 28 8 | 5° 5'55 | 5♒18 | 21°26 | 16° 4 | 14°50 | 2°21 | 23° 5 | 18°13 | 19°22 | 19°49 | 12°32 | 13°45 | 26°28 | 9°28 | T 20 |
| F 21 | 0 32 5 | 6° 5'12 | 19°12 | 23° 7 | 17°19 | 15°33 | 2°34 | 23° 3 | 18°11 | 19°21 | 19°48 | 12°27 | 13°41 | 26°35 | 9°27 | F 21 |
| S 22 | 0 36 1 | 7° 4'31 | 3♓35 | 24°49 | 18°33 | 16°15 | 2°47 | 23° 0 | 18°10 | 19°20 | 19°47 | 12°22 | 13°38 | 26°42 | 9°26 | S 22 |
| S 23 | 0 39 58 | 8° 3'52 | 18°22 | 26°33 | 19°48 | 16°58 | 3° 0 | 22°58 | 18° 8 | 19°19 | 19°46 | 12°17 | 13°35 | 26°48 | 9°25 | S 23 |
| M24 | 0 43 54 | 9° 3'15 | 3♈25 | 28°16 | 21° 3 | 17°41 | 3°13 | 22°55 | 18° 6 | 19°18 | 19°45 | 12°12 | 13°32 | 26°55 | 9°24 | M24 |
| T 25 | 0 47 51 | 10° 2'39 | 18°37 | 0♏ 1 | 22°17 | 18°24 | 3°26 | 22°52 | 18° 4 | 19°17 | 19°44 | 12° 9 | 13°29 | 27° 2 | 9°23 | T 25 |
| W26 | 0 51 47 | 11° 2'06 | 3♉47 | 1°45 | 23°32 | 19° 7 | 3°39 | 22°49 | 18° 3 | 19°16 | 19°43 | 12° 8 | 13°25 | 27° 8 | 9°21 | W26 |
| T 27 | 0 55 44 | 12° 1'35 | 18°46 | 3°29 | 24°47 | 19°50 | 3°52 | 22°46 | 18° 1 | 19°15 | 19°42 | 12°D 7 | 13°22 | 27°15 | 9°20 | T 27 |
| F 28 | 0 59 41 | 13° 1'06 | 3♊26 | 5°14 | 26° 1 | 20°33 | 4° 5 | 22°43 | 17°59 | 19°14 | 19°40 | 12° 8 | 13°19 | 27°21 | 9°19 | F 28 |
| S 29 | 1 3 37 | 14° 0'40 | 17°44 | 6°58 | 27°16 | 21°17 | 4°18 | 22°40 | 17°57 | 19°13 | 19°39 | 12°10 | 13°16 | 27°28 | 9°17 | S 29 |
| S 30 | 1 7 34 | 15♎ 0'16 | 1♋37 | 8♎42 | 28♍31 | 22♐ 0 | 4♎31 | 22♉36 | 17♉55 | 19♒13 | 19♈38 | 12♉11 | 13♉13 | 27♎35 | 9♊16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n23 | 23n48 | 2n 7 | 8n23 | 1s31 | 14n57 | 0n59 | 22s20 | 1s47 | 1n44 | 1n 8 | 16n30 | 2s18 | 17n 6 | 0s20 | 15s26 | 0s31 | 8s 9 | 17s19 | 15n59 | 16n19 | 7s48 | 17n52 | 4s 8 |
| S 2 | 5 0 | 26 25 | 3 10 | 8 49 | 1 11 | 14 35 | 1 1 | 22 28 | 1 47 | 1 39 | 1 8 | 16 30 | 2 18 | 17 6 | 0 20 | 15 27 | 0 31 | 8 9 | 17 19 | 15 59 | 16 18 | 7 52 | 17 52 | 4 8 |
| M 3 | 4 37 | 27 26 | 4 0 | 9 11 | 0 52 | 14 12 | 1 3 | 22 36 | 1 47 | 1 34 | 1 8 | 16 30 | 2 18 | 17 6 | 0 20 | 15 27 | 0 31 | 8 10 | 17 19 | 15 59 | 16 17 | 7 55 | 17 52 | 4 9 |
| T 4 | 4 14 | 26 51 | 4 37 | 9 29 | 0 33 | 13 48 | 1 4 | 22 44 | 1 48 | 1 29 | 1 8 | 16 29 | 2 18 | 17 6 | 0 20 | 15 28 | 0 31 | 8 10 | 17 20 | 15 58 | 16 16 | 7 58 | 17 51 | 4 9 |
| W 5 | 3 50 | 24 49 | 4 59 | 9 43 | 0 15 | 13 25 | 1 6 | 22 52 | 1 48 | 1 24 | 1 8 | 16 29 | 2 18 | 17 5 | 0 20 | 15 28 | 0 31 | 8 11 | 17 20 | 15 56 | 16 15 | 8 1 | 17 51 | 4 10 |
| T 6 | 3 27 | 21 35 | 5 6 | 9 52 | 0n 2 | 13 1 | 1 8 | 22 59 | 1 48 | 1 19 | 1 8 | 16 29 | 2 19 | 17 5 | 0 20 | 15 28 | 0 31 | 8 11 | 17 20 | 15 54 | 16 14 | 8 4 | 17 50 | 4 10 |
| F 7 | 3 4 | 17 25 | 4 58 | 9 57 | 0 18 | 12 36 | 1 10 | 23 7 | 1 48 | 1 13 | 1 8 | 16 28 | 2 19 | 17 5 | 0 20 | 15 29 | 0 31 | 8 12 | 17 20 | 15 51 | 16 14 | 8 8 | 17 50 | 4 10 |
| S 8 | 2 41 | 12 34 | 4 36 | 9 57 | 0 33 | 12 11 | 1 11 | 23 14 | 1 48 | 1 8 | 1 8 | 16 28 | 2 19 | 17 4 | 0 20 | 15 29 | 0 31 | 8 12 | 17 20 | 15 48 | 16 13 | 8 11 | 17 50 | 4 11 |
| S 9 | 2 17 | 7 19 | 4 2 | 9 53 | 0 47 | 11 46 | 1 13 | 23 21 | 1 48 | 1 3 | 1 8 | 16 27 | 2 19 | 17 4 | 0 20 | 15 30 | 0 31 | 8 13 | 17 20 | 15 45 | 16 12 | 8 14 | 17 49 | 4 11 |
| M10 | 1 54 | 1 50 | 3 17 | 9 44 | 0 59 | 11 21 | 1 14 | 23 28 | 1 48 | 0 58 | 1 8 | 16 27 | 2 19 | 17 4 | 0 20 | 15 30 | 0 31 | 8 13 | 17 20 | 15 43 | 16 11 | 8 17 | 17 49 | 4 12 |
| T 11 | 1 30 | 3s39 | 2 24 | 9 32 | 1 10 | 10 55 | 1 16 | 23 35 | 1 48 | 0 53 | 1 8 | 16 26 | 2 19 | 17 3 | 0 20 | 15 30 | 0 31 | 8 14 | 17 21 | 15 41 | 16 10 | 8 21 | 17 48 | 4 12 |
| W12 | 1 7 | 9 0 | 1 25 | 9 15 | 1 20 | 10 29 | 1 17 | 23 41 | 1 48 | 0 47 | 1 8 | 16 26 | 2 20 | 17 3 | 0 20 | 15 31 | 0 31 | 8 14 | 17 21 | 15 40 | 16 9 | 8 24 | 17 48 | 4 12 |
| T 13 | 0 43 | 14 1 | 0 22 | 8 55 | 1 29 | 10 2 | 1 18 | 23 48 | 1 48 | 0 42 | 1 8 | 16 25 | 2 20 | 17 3 | 0 20 | 15 31 | 0 31 | 8 15 | 17 21 | 15 39 | 16 8 | 8 27 | 17 48 | 4 13 |
| F 14 | 0 20 | 18 32 | 0s42 | 8 31 | 1 36 | 9 36 | 1 20 | 23 54 | 1 48 | 0 37 | 1 8 | 16 24 | 2 20 | 17 2 | 0 20 | 15 32 | 0 31 | 8 15 | 17 21 | 15 39 | 16 7 | 8 30 | 17 47 | 4 13 |
| S 15 | 0s 4 | 22 21 | 1 44 | 8 4 | 1 42 | 9 8 | 1 21 | 24 0 | 1 48 | 0 32 | 1 8 | 16 24 | 2 20 | 17 2 | 0 20 | 15 32 | 0 31 | 8 16 | 17 21 | 15 40 | 16 6 | 8 33 | 17 47 | 4 14 |
| S 16 | 0 28 | 25 16 | 2 43 | 7 34 | 1 47 | 8 41 | 1 22 | 24 5 | 1 48 | 0 27 | 1 8 | 16 23 | 2 20 | 17 1 | 0 20 | 15 32 | 0 31 | 8 16 | 17 21 | 15 40 | 16 5 | 8 37 | 17 46 | 4 14 |
| M17 | 0 51 | 27 4 | 3 36 | 7 1 | 1 51 | 8 14 | 1 23 | 24 11 | 1 48 | 0 22 | 1 8 | 16 22 | 2 20 | 17 1 | 0 20 | 15 33 | 0 31 | 8 17 | 17 21 | 15 41 | 16 4 | 8 40 | 17 46 | 4 15 |
| T 18 | 1 15 | 27 32 | 4 20 | 6 26 | 1 53 | 7 46 | 1 24 | 24 16 | 1 47 | 0 16 | 1 8 | 16 22 | 2 21 | 17 1 | 0 20 | 15 33 | 0 31 | 8 17 | 17 21 | 15 41 | 16 3 | 8 43 | 17 45 | 4 15 |
| W19 | 1 38 | 26 32 | 4 52 | 5 50 | 1 55 | 7 18 | 1 25 | 24 21 | 1 47 | 0 11 | 1 8 | 16 21 | 2 21 | 17 0 | 0 20 | 15 33 | 0 31 | 8 18 | 17 22 | 15 40 | 16 2 | 8 46 | 17 45 | 4 15 |
| T 20 | 2 2 | 24 0 | 5 9 | 5 11 | 1 56 | 6 50 | 1 26 | 24 26 | 1 47 | 0 6 | 1 8 | 16 20 | 2 21 | 17 0 | 0 20 | 15 34 | 0 31 | 8 18 | 17 22 | 15 39 | 16 1 | 8 49 | 17 44 | 4 16 |
| F 21 | 2 26 | 20 0 | 5 9 | 4 31 | 1 56 | 6 21 | 1 26 | 24 31 | 1 47 | 0 1 | 1 8 | 16 20 | 2 21 | 16 59 | 0 20 | 15 34 | 0 31 | 8 19 | 17 22 | 15 38 | 16 0 | 8 52 | 17 44 | 4 16 |
| S 22 | 2 49 | 14 44 | 4 51 | 3 50 | 1 55 | 5 53 | 1 27 | 24 35 | 1 47 | 0s 4 | 1 8 | 16 19 | 2 21 | 16 59 | 0 20 | 15 34 | 0 31 | 8 19 | 17 22 | 15 36 | 15 59 | 8 56 | 17 43 | 4 17 |
| S 23 | 3 13 | 8 29 | 4 12 | 3 7 | 1 54 | 5 24 | 1 28 | 24 40 | 1 47 | 0 10 | 1 8 | 16 18 | 2 21 | 16 58 | 0 20 | 15 35 | 0 31 | 8 20 | 17 22 | 15 35 | 15 58 | 8 59 | 17 43 | 4 17 |
| M24 | 3 36 | 1 38 | 3 16 | 2 24 | 1 52 | 4 55 | 1 28 | 24 44 | 1 47 | 0 15 | 1 8 | 16 17 | 2 21 | 16 58 | 0 20 | 15 35 | 0 31 | 8 20 | 17 22 | 15 33 | 15 57 | 9 2 | 17 42 | 4 17 |
| T 25 | 4 0 | 5n24 | 2 5 | 1 40 | 1 50 | 4 26 | 1 29 | 24 47 | 1 47 | 0 20 | 1 8 | 16 16 | 2 22 | 16 57 | 0 20 | 15 35 | 0 31 | 8 20 | 17 22 | 15 32 | 15 56 | 9 5 | 17 41 | 4 18 |
| W26 | 4 23 | 12 7 | 0 46 | 0 56 | 1 46 | 3 56 | 1 29 | 24 51 | 1 47 | 0 25 | 1 8 | 16 15 | 2 22 | 16 57 | 0 20 | 15 35 | 0 31 | 8 21 | 17 22 | 15 32 | 15 55 | 9 8 | 17 41 | 4 18 |
| T 27 | 4 46 | 18 3 | 0n36 | 0 11 | 1 43 | 3 27 | 1 29 | 24 54 | 1 46 | 0 30 | 1 8 | 16 15 | 2 22 | 16 56 | 0 20 | 15 36 | 0 31 | 8 21 | 17 22 | 15 32 | 15 55 | 9 12 | 17 40 | 4 18 |
| F 28 | 5 10 | 22 47 | 1 54 | 0s34 | 1 39 | 2 57 | 1 30 | 24 57 | 1 46 | 0 35 | 1 8 | 16 14 | 2 22 | 16 56 | 0 20 | 15 36 | 0 31 | 8 22 | 17 22 | 15 32 | 15 54 | 9 15 | 17 40 | 4 19 |
| S 29 | 5 33 | 26 0 | 3 3 | 1 20 | 1 35 | 2 28 | 1 30 | 25 0 | 1 46 | 0 40 | 1 8 | 16 13 | 2 22 | 16 55 | 0 20 | 15 36 | 0 31 | 8 22 | 17 22 | 15 33 | 15 53 | 9 18 | 17 39 | 4 19 |
| S 30 | 5s56 | 27n30 | 3n59 | 2s 5 | 1n30 | 1n58 | 1n30 | 25s 3 | 1s46 | 0s45 | 1n 8 | 16n12 | 2s22 | 16n55 | 0s20 | 15s36 | 0s31 | 8s23 | 17s22 | 15n33 | 15n52 | 9s21 | 17n38 | 4s20 |

Julian Day Number = 2215119.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'40, Lahiri = 14°49'41 Julian Calendar 1 Sept. 1352 == Greg. Calendar 9 Sept. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## OCTOBER 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 11 30 | 15♎59'54 | 15♋ 6 | 10♎25 | 29♍46 | 22♐44 | 4♎44 | 22°R33 | 17°R53 | 19°R12 | 19°R37 | 12°R12 | 13♉10 | 27♎41 | 9°R14 | M 1 |
| T 2 | 1 15 27 | 16°59'35 | 28°13 | 12° 8 | 1♎ 1 | 23°27 | 4°56 | 22♉30 | 17♉51 | 19♒11 | 19♈36 | 12♉11 | 13° 6 | 27°48 | 9♊12 | T 2 |
| W 3 | 1 19 23 | 17°59'18 | 11♌ 0 | 13°51 | 2°16 | 24°11 | 5° 9 | 22°26 | 17°49 | 19°11 | 19°35 | 12°10 | 13° 3 | 27°55 | 9°11 | W 3 |
| T 4 | 1 23 20 | 18°59'03 | 23°31 | 15°33 | 3°31 | 24°55 | 5°22 | 22°22 | 17°47 | 19°10 | 19°34 | 12° 7 | 13° 0 | 28° 1 | 9° 9 | T 4 |
| F 5 | 1 27 16 | 19°58'51 | 5♍49 | 17°14 | 4°46 | 25°39 | 5°35 | 22°19 | 17°45 | 19° 9 | 19°32 | 12° 4 | 12°57 | 28° 8 | 9° 7 | F 5 |
| S 6 | 1 31 13 | 20°58'40 | 17°55 | 18°55 | 6° 1 | 26°23 | 5°48 | 22°15 | 17°43 | 19° 9 | 19°31 | 12° 0 | 12°54 | 28°15 | 9° 5 | S 6 |
| S 7 | 1 35 10 | 21°58'32 | 29°54 | 20°36 | 7°16 | 27° 7 | 6° 1 | 22°11 | 17°40 | 19° 8 | 19°30 | 11°57 | 12°50 | 28°21 | 9° 3 | S 7 |
| M 8 | 1 39 6 | 22°58'26 | 11♎47 | 22°16 | 8°31 | 27°51 | 6°13 | 22° 7 | 17°38 | 19° 8 | 19°29 | 11°54 | 12°47 | 28°28 | 9° 1 | M 8 |
| T 9 | 1 43 3 | 23°58'21 | 23°36 | 23°55 | 9°46 | 28°35 | 6°26 | 22° 3 | 17°36 | 19° 7 | 19°28 | 11°52 | 12°44 | 28°35 | 8°59 | T 9 |
| W10 | 1 46 59 | 24°58'19 | 5♏23 | 25°34 | 11° 1 | 29°19 | 6°39 | 21°59 | 17°34 | 19° 7 | 19°27 | 11°51 | 12°41 | 28°41 | 8°57 | W10 |
| T 11 | 1 50 56 | 25°58'19 | 17°11 | 27°13 | 12°16 | 0♑ 4 | 6°51 | 21°55 | 17°31 | 19° 6 | 19°26 | 11°D51 | 12°38 | 28°48 | 8°54 | T 11 |
| F 12 | 1 54 52 | 26°58'20 | 29° 1 | 28°50 | 13°31 | 0°48 | 7° 4 | 21°51 | 17°29 | 19° 6 | 19°24 | 11°51 | 12°35 | 28°55 | 8°52 | F 12 |
| S 13 | 1 58 49 | 27°58'23 | 10♐57 | 0♏28 | 14°47 | 1°33 | 7°17 | 21°47 | 17°27 | 19° 6 | 19°23 | 11°53 | 12°31 | 29° 1 | 8°50 | S 13 |
| S 14 | 2 2 45 | 28°58'29 | 23° 2 | 2° 5 | 16° 2 | 2°17 | 7°29 | 21°42 | 17°24 | 19° 5 | 19°22 | 11°54 | 12°28 | 29° 8 | 8°47 | S 14 |
| M15 | 2 6 42 | 29°58'35 | 5♑19 | 3°41 | 17°17 | 3° 2 | 7°42 | 21°38 | 17°22 | 19° 5 | 19°21 | 11°55 | 12°25 | 29°15 | 8°45 | M15 |
| T 16 | 2 10 39 | 0♏58'44 | 17°52 | 5°17 | 18°32 | 3°47 | 7°54 | 21°34 | 17°20 | 19° 5 | 19°20 | 11°56 | 12°22 | 29°21 | 8°42 | T 16 |
| W17 | 2 14 35 | 1°58'54 | 0♒46 | 6°53 | 19°47 | 4°31 | 8° 7 | 21°29 | 17°17 | 19° 5 | 19°19 | 11°R56 | 12°19 | 29°28 | 8°40 | W17 |
| T 18 | 2 18 32 | 2°59'05 | 14° 3 | 8°28 | 21° 3 | 5°16 | 8°19 | 21°25 | 17°15 | 19° 4 | 19°18 | 11°56 | 12°16 | 29°34 | 8°37 | T 18 |
| F 19 | 2 22 28 | 3°59'18 | 27°47 | 10° 2 | 22°18 | 6° 1 | 8°32 | 21°20 | 17°13 | 19° 4 | 19°17 | 11°55 | 12°12 | 29°41 | 8°34 | F 19 |
| S 20 | 2 26 25 | 4°59'32 | 11♓57 | 11°37 | 23°33 | 6°46 | 8°44 | 21°15 | 17°10 | 19° 4 | 19°16 | 11°55 | 12° 9 | 29°48 | 8°32 | S 20 |
| S 21 | 2 30 21 | 5°59'48 | 26°32 | 13°11 | 24°48 | 7°31 | 8°56 | 21°11 | 17° 8 | 19° 4 | 19°14 | 11°54 | 12° 6 | 29°54 | 8°29 | S 21 |
| M22 | 2 34 18 | 7° 0'06 | 11♈27 | 14°44 | 26° 4 | 8°16 | 9° 9 | 21° 6 | 17° 5 | 19° 4 | 19°13 | 11°53 | 12° 3 | 0♏ 1 | 8°26 | M22 |
| T 23 | 2 38 14 | 8° 0'25 | 26°37 | 16°17 | 27°19 | 9° 1 | 9°21 | 21° 1 | 17° 3 | 19°D 4 | 19°12 | 11°53 | 12° 0 | 0° 8 | 8°23 | T 23 |
| W24 | 2 42 11 | 9° 0'46 | 11♉50 | 17°50 | 28°34 | 9°46 | 9°33 | 20°57 | 17° 0 | 19° 4 | 19°11 | 11°D53 | 11°56 | 0°14 | 8°20 | W24 |
| T 25 | 2 46 8 | 10° 1'08 | 26°59 | 19°23 | 29°50 | 10°32 | 9°45 | 20°52 | 16°58 | 19° 4 | 19°10 | 11°53 | 11°53 | 0°21 | 8°17 | T 25 |
| F 26 | 2 50 4 | 11° 1'32 | 11♊53 | 20°55 | 1♏ 5 | 11°17 | 9°57 | 20°47 | 16°55 | 19° 4 | 19° 9 | 11°53 | 11°50 | 0°28 | 8°14 | F 26 |
| S 27 | 2 54 1 | 12° 1'59 | 26°26 | 22°27 | 2°20 | 12° 2 | 10° 9 | 20°42 | 16°53 | 19° 4 | 19° 8 | 11°R53 | 11°47 | 0°34 | 8°11 | S 27 |
| S 28 | 2 57 57 | 13° 2'27 | 10♋33 | 23°59 | 3°36 | 12°48 | 10°21 | 20°37 | 16°50 | 19° 4 | 19° 7 | 11°53 | 11°44 | 0°41 | 8° 8 | S 28 |
| M29 | 3 1 54 | 14° 2'57 | 24°12 | 25°30 | 4°51 | 13°33 | 10°33 | 20°33 | 16°48 | 19° 5 | 19° 6 | 11°53 | 11°41 | 0°48 | 8° 5 | M29 |
| T 30 | 3 5 50 | 15° 3'28 | 7♌25 | 27° 1 | 6° 7 | 14°19 | 10°45 | 20°28 | 16°45 | 19° 5 | 19° 5 | 11°53 | 11°37 | 0°54 | 8° 2 | T 30 |
| W31 | 3 9 47 | 16♏ 4'02 | 20♌14 | 28♏32 | 7♏22 | 15♑ 4 | 10♎57 | 20♉23 | 16♉43 | 19♒ 5 | 19♈ 4 | 11°D53 | 11♉34 | 1♏ 1 | 7♊58 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s19 | 27n18 | 4n40 | 2s50 | 1n25 | 1n28 | 1n30 | 25s 5 | 1s46 | 0s51 | 1n 8 | 16n11 | 2s22 | 16n54 | 0s20 | 15s37 | 0s31 | 8s23 | 17s22 | 15n33 | 15n51 | 9s24 | 17n38 | 4s20 |
| T 2 | 6 42 | 25 34 | 5 5 | 3 36 | 1 20 | 0 58 | 1 30 | 25 7 | 1 45 | 0 56 | 1 8 | 16 10 | 2 22 | 16 54 | 0 20 | 15 37 | 0 31 | 8 23 | 17 22 | 15 33 | 15 50 | 9 27 | 17 37 | 4 20 |
| W 3 | 7 5 | 22 34 | 5 15 | 4 21 | 1 14 | 0 28 | 1 30 | 25 9 | 1 45 | 1 1 | 1 8 | 16 9 | 2 23 | 16 53 | 0 20 | 15 37 | 0 31 | 8 24 | 17 22 | 15 32 | 15 49 | 9 31 | 17 37 | 4 21 |
| T 4 | 7 28 | 18 34 | 5 8 | 5 5 | 1 8 | 0s 2 | 1 30 | 25 10 | 1 45 | 1 6 | 1 8 | 16 8 | 2 23 | 16 52 | 0 20 | 15 37 | 0 31 | 8 24 | 17 22 | 15 32 | 15 48 | 9 34 | 17 36 | 4 21 |
| F 5 | 7 50 | 13 52 | 4 48 | 5 50 | 1 2 | 0 32 | 1 30 | 25 12 | 1 45 | 1 11 | 1 8 | 16 7 | 2 23 | 16 52 | 0 20 | 15 37 | 0 31 | 8 25 | 17 22 | 15 31 | 15 47 | 9 37 | 17 35 | 4 21 |
| S 6 | 8 13 | 8 42 | 4 15 | 6 34 | 0 56 | 1 2 | 1 29 | 25 13 | 1 44 | 1 16 | 1 8 | 16 6 | 2 23 | 16 51 | 0 20 | 15 38 | 0 31 | 8 25 | 17 22 | 15 29 | 15 46 | 9 40 | 17 35 | 4 22 |
| S 7 | 8 35 | 3 16 | 3 31 | 7 18 | 0 50 | 1 32 | 1 29 | 25 14 | 1 44 | 1 21 | 1 8 | 16 5 | 2 23 | 16 51 | 0 20 | 15 38 | 0 31 | 8 26 | 17 22 | 15 28 | 15 45 | 9 43 | 17 34 | 4 22 |
| M 8 | 8 58 | 2s14 | 2 39 | 8 1 | 0 44 | 2 2 | 1 29 | 25 14 | 1 44 | 1 26 | 1 8 | 16 4 | 2 23 | 16 50 | 0 20 | 15 38 | 0 31 | 8 26 | 17 22 | 15 28 | 15 44 | 9 47 | 17 33 | 4 23 |
| T 9 | 9 20 | 7 39 | 1 39 | 8 44 | 0 37 | 2 32 | 1 28 | 25 15 | 1 44 | 1 31 | 1 9 | 16 3 | 2 23 | 16 49 | 0 20 | 15 38 | 0 31 | 8 26 | 17 22 | 15 27 | 15 43 | 9 50 | 17 33 | 4 23 |
| W10 | 9 42 | 12 48 | 0 36 | 9 27 | 0 31 | 3 2 | 1 28 | 25 15 | 1 43 | 1 36 | 1 9 | 16 1 | 2 23 | 16 49 | 0 20 | 15 38 | 0 31 | 8 27 | 17 22 | 15 27 | 15 42 | 9 53 | 17 32 | 4 23 |
| T 11 | 10 4 | 17 30 | 0s30 | 10 8 | 0 24 | 3 32 | 1 27 | 25 14 | 1 43 | 1 41 | 1 9 | 16 0 | 2 23 | 16 48 | 0 20 | 15 38 | 0 31 | 8 27 | 17 22 | 15 27 | 15 41 | 9 56 | 17 31 | 4 24 |
| F 12 | 10 26 | 21 32 | 1 34 | 10 50 | 0 17 | 4 2 | 1 26 | 25 14 | 1 43 | 1 46 | 1 9 | 15 59 | 2 23 | 16 47 | 0 20 | 15 38 | 0 31 | 8 27 | 17 22 | 15 27 | 15 40 | 9 59 | 17 31 | 4 24 |
| S 13 | 10 47 | 24 43 | 2 35 | 11 30 | 0 11 | 4 32 | 1 26 | 25 13 | 1 42 | 1 51 | 1 9 | 15 58 | 2 23 | 16 47 | 0 20 | 15 39 | 0 31 | 8 28 | 17 22 | 15 27 | 15 39 | 10 2 | 17 30 | 4 24 |
| S 14 | 11 9 | 26 49 | 3 29 | 12 10 | 0 4 | 5 2 | 1 25 | 25 12 | 1 42 | 1 56 | 1 9 | 15 57 | 2 23 | 16 46 | 0 20 | 15 39 | 0 31 | 8 28 | 17 22 | 15 28 | 15 38 | 10 6 | 17 29 | 4 25 |
| M15 | 11 30 | 27 40 | 4 15 | 12 50 | 0s 3 | 5 31 | 1 24 | 25 11 | 1 42 | 2 1 | 1 9 | 15 56 | 2 23 | 16 45 | 0 20 | 15 39 | 0 31 | 8 28 | 17 22 | 15 28 | 15 37 | 10 9 | 17 29 | 4 25 |
| T 16 | 11 51 | 27 7 | 4 50 | 13 29 | 0 9 | 6 1 | 1 23 | 25 10 | 1 41 | 2 6 | 1 9 | 15 54 | 2 24 | 16 45 | 0 20 | 15 39 | 0 31 | 8 29 | 17 22 | 15 28 | 15 36 | 10 12 | 17 28 | 4 25 |
| W17 | 12 12 | 25 7 | 5 12 | 14 7 | 0 16 | 6 30 | 1 22 | 25 8 | 1 41 | 2 10 | 1 9 | 15 53 | 2 24 | 16 44 | 0 20 | 15 39 | 0 31 | 8 29 | 17 22 | 15 28 | 15 35 | 10 15 | 17 27 | 4 26 |
| T 18 | 12 33 | 21 44 | 5 17 | 14 44 | 0 23 | 7 0 | 1 21 | 25 6 | 1 41 | 2 15 | 1 9 | 15 52 | 2 24 | 16 43 | 0 20 | 15 39 | 0 31 | 8 29 | 17 21 | 15 28 | 15 34 | 10 18 | 17 26 | 4 26 |
| F 19 | 12 54 | 17 4 | 5 6 | 15 20 | 0 29 | 7 29 | 1 20 | 25 3 | 1 40 | 2 20 | 1 9 | 15 51 | 2 24 | 16 43 | 0 20 | 15 39 | 0 31 | 8 30 | 17 21 | 15 28 | 15 33 | 10 21 | 17 26 | 4 26 |
| S 20 | 13 14 | 11 20 | 4 35 | 15 56 | 0 36 | 7 58 | 1 19 | 25 1 | 1 40 | 2 25 | 1 9 | 15 50 | 2 24 | 16 42 | 0 20 | 15 39 | 0 31 | 8 30 | 17 21 | 15 28 | 15 32 | 10 24 | 17 25 | 4 27 |
| S 21 | 13 34 | 4 51 | 3 46 | 16 31 | 0 42 | 8 26 | 1 17 | 24 58 | 1 39 | 2 30 | 1 9 | 15 48 | 2 24 | 16 41 | 0 20 | 15 39 | 0 31 | 8 30 | 17 21 | 15 28 | 15 31 | 10 28 | 17 24 | 4 27 |
| M22 | 13 54 | 2n 4 | 2 41 | 17 5 | 0 49 | 8 55 | 1 16 | 24 55 | 1 39 | 2 34 | 1 9 | 15 47 | 2 24 | 16 41 | 0 20 | 15 39 | 0 31 | 8 31 | 17 21 | 15 27 | 15 30 | 10 31 | 17 24 | 4 27 |
| T 23 | 14 14 | 9 0 | 1 24 | 17 39 | 0 55 | 9 24 | 1 15 | 24 51 | 1 39 | 2 39 | 1 10 | 15 46 | 2 24 | 16 40 | 0 20 | 15 39 | 0 31 | 8 31 | 17 21 | 15 27 | 15 29 | 10 34 | 17 23 | 4 27 |
| W24 | 14 33 | 15 26 | 0 0 | 18 11 | 1 1 | 9 52 | 1 13 | 24 48 | 1 38 | 2 44 | 1 10 | 15 45 | 2 24 | 16 39 | 0 20 | 15 39 | 0 31 | 8 31 | 17 21 | 15 27 | 15 28 | 10 37 | 17 22 | 4 28 |
| T 25 | 14 52 | 20 54 | 1n23 | 18 43 | 1 7 | 10 20 | 1 12 | 24 44 | 1 38 | 2 49 | 1 10 | 15 43 | 2 24 | 16 39 | 0 20 | 15 39 | 0 31 | 8 31 | 17 21 | 15 27 | 15 27 | 10 40 | 17 21 | 4 28 |
| F 26 | 15 11 | 24 56 | 2 39 | 19 14 | 1 13 | 10 48 | 1 10 | 24 40 | 1 37 | 2 53 | 1 10 | 15 42 | 2 24 | 16 38 | 0 20 | 15 39 | 0 31 | 8 32 | 17 20 | 15 27 | 15 26 | 10 43 | 17 21 | 4 28 |
| S 27 | 15 30 | 27 12 | 3 43 | 19 43 | 1 19 | 11 15 | 1 9 | 24 35 | 1 37 | 2 58 | 1 10 | 15 41 | 2 24 | 16 37 | 0 20 | 15 39 | 0 31 | 8 32 | 17 20 | 15 27 | 15 25 | 10 46 | 17 20 | 4 28 |
| S 28 | 15 49 | 27 37 | 4 32 | 20 12 | 1 25 | 11 42 | 1 7 | 24 30 | 1 36 | 3 2 | 1 10 | 15 40 | 2 24 | 16 37 | 0 20 | 15 39 | 0 31 | 8 32 | 17 20 | 15 27 | 15 24 | 10 50 | 17 19 | 4 29 |
| M29 | 16 7 | 26 19 | 5 3 | 20 40 | 1 30 | 12 9 | 1 6 | 24 25 | 1 36 | 3 7 | 1 10 | 15 38 | 2 24 | 16 36 | 0 20 | 15 39 | 0 31 | 8 32 | 17 20 | 15 27 | 15 23 | 10 53 | 17 18 | 4 29 |
| T 30 | 16 25 | 23 35 | 5 17 | 21 7 | 1 36 | 12 36 | 1 4 | 24 20 | 1 36 | 3 12 | 1 10 | 15 37 | 2 24 | 16 35 | 0 20 | 15 39 | 0 31 | 8 33 | 17 20 | 15 27 | 15 22 | 10 56 | 17 18 | 4 29 |
| W31 | 16s42 | 19n46 | 5n15 | 21s33 | 1s41 | 13s 2 | 1n 2 | 24s15 | 1s35 | 3s16 | 1n10 | 15n36 | 2s24 | 16n34 | 0s20 | 15s39 | 0s31 | 8s33 | 17s20 | 15n27 | 15n21 | 10s59 | 17n17 | 4s30 |

Julian Day Number = 2215149.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'44, Lahiri = 14°49'45 Julian Calendar 1 Oct. 1352 == Greg. Calendar 9 Oct. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## NOVEMBER 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 13 43 | 17♏ 4'37 | 2♍42 | 0♐ 3 | 8♏38 | 15♑50 | 11♎ 8 | 20°R18 | 16°R40 | 19♒ 5 | 19°R 3 | 11♉53 | 11♉31 | 1♏ 8 | 7°R55 | T 1 |
| F 2 | 3 17 40 | 18° 5'14 | 14°54 | 1°33 | 9°53 | 16°35 | 11°20 | 20♉13 | 16♉38 | 19° 6 | 19♈ 2 | 11°53 | 11°28 | 1°14 | 7♊52 | F 2 |
| S 3 | 3 21 37 | 19° 5'53 | 26°54 | 3° 3 | 11° 8 | 17°21 | 11°32 | 20° 8 | 16°35 | 19° 6 | 19° 1 | 11°54 | 11°25 | 1°21 | 7°49 | S 3 |
| S 4 | 3 25 33 | 20° 6'33 | 8♎46 | 4°33 | 12°24 | 18° 7 | 11°43 | 20° 3 | 16°33 | 19° 6 | 19° 0 | 11°55 | 11°22 | 1°27 | 7°45 | S 4 |
| M 5 | 3 29 30 | 21° 7'16 | 20°34 | 6° 2 | 13°39 | 18°52 | 11°55 | 19°58 | 16°30 | 19° 7 | 18°59 | 11°56 | 11°18 | 1°34 | 7°42 | M 5 |
| T 6 | 3 33 26 | 22° 7'59 | 2♏21 | 7°31 | 14°55 | 19°38 | 12° 6 | 19°53 | 16°28 | 19° 7 | 18°58 | 11°56 | 11°15 | 1°41 | 7°38 | T 6 |
| W 7 | 3 37 23 | 23° 8'44 | 14° 9 | 8°59 | 16°10 | 20°24 | 12°17 | 19°48 | 16°25 | 19° 8 | 18°57 | 11°R57 | 11°12 | 1°47 | 7°35 | W 7 |
| T 8 | 3 41 19 | 24° 9'31 | 26° 2 | 10°27 | 17°26 | 21°10 | 12°29 | 19°43 | 16°23 | 19° 8 | 18°56 | 11°56 | 11° 9 | 1°54 | 7°31 | T 8 |
| F 9 | 3 45 16 | 25°10'19 | 8♐ 1 | 11°55 | 18°41 | 21°56 | 12°40 | 19°38 | 16°20 | 19° 9 | 18°55 | 11°55 | 11° 6 | 2° 1 | 7°28 | F 9 |
| S 10 | 3 49 12 | 26°11'08 | 20° 7 | 13°21 | 19°57 | 22°42 | 12°51 | 19°34 | 16°18 | 19°10 | 18°55 | 11°53 | 11° 2 | 2° 7 | 7°24 | S 10 |
| S 11 | 3 53 9 | 27°11'58 | 2♑23 | 14°48 | 21°12 | 23°28 | 13° 2 | 19°29 | 16°15 | 19°10 | 18°54 | 11°51 | 10°59 | 2°14 | 7°21 | S 11 |
| M12 | 3 57 6 | 28°12'49 | 14°51 | 16°13 | 22°28 | 24°14 | 13°13 | 19°24 | 16°13 | 19°11 | 18°53 | 11°48 | 10°56 | 2°21 | 7°17 | M12 |
| T 13 | 4 1 2 | 29°13'42 | 27°32 | 17°37 | 23°43 | 25° 0 | 13°24 | 19°19 | 16°10 | 19°12 | 18°52 | 11°46 | 10°53 | 2°27 | 7°14 | T 13 |
| W14 | 4 4 59 | 0♐14'35 | 10♒29 | 19° 1 | 24°59 | 25°46 | 13°35 | 19°14 | 16° 8 | 19°12 | 18°51 | 11°44 | 10°50 | 2°34 | 7°10 | W14 |
| T 15 | 4 8 55 | 1°15'29 | 23°43 | 20°23 | 26°14 | 26°32 | 13°45 | 19° 9 | 16° 6 | 19°13 | 18°50 | 11°43 | 10°47 | 2°41 | 7° 7 | T 15 |
| F 16 | 4 12 52 | 2°16'24 | 7♓17 | 21°43 | 27°30 | 27°18 | 13°56 | 19° 5 | 16° 3 | 19°14 | 18°50 | 11°D43 | 10°43 | 2°47 | 7° 3 | F 16 |
| S 17 | 4 16 48 | 3°17'19 | 21°12 | 23° 2 | 28°46 | 28° 4 | 14° 6 | 19° 0 | 16° 1 | 19°15 | 18°49 | 11°44 | 10°40 | 2°54 | 6°59 | S 17 |
| S 18 | 4 20 45 | 4°18'15 | 5♈28 | 24°20 | 0♐ 1 | 28°51 | 14°17 | 18°55 | 15°59 | 19°16 | 18°48 | 11°45 | 10°37 | 3° 1 | 6°56 | S 18 |
| M19 | 4 24 41 | 5°19'12 | 20° 3 | 25°35 | 1°17 | 29°37 | 14°27 | 18°51 | 15°56 | 19°16 | 18°47 | 11°47 | 10°34 | 3° 7 | 6°52 | M19 |
| T 20 | 4 28 38 | 6°20'10 | 4♉53 | 26°47 | 2°32 | 0♒23 | 14°38 | 18°46 | 15°54 | 19°17 | 18°47 | 11°R48 | 10°31 | 3°14 | 6°49 | T 20 |
| W21 | 4 32 35 | 7°21'09 | 19°52 | 27°57 | 3°48 | 1° 9 | 14°48 | 18°41 | 15°52 | 19°18 | 18°46 | 11°47 | 10°28 | 3°20 | 6°45 | W21 |
| T 22 | 4 36 31 | 8°22'08 | 4♊52 | 29° 3 | 5° 3 | 1°55 | 14°58 | 18°37 | 15°49 | 19°19 | 18°45 | 11°46 | 10°24 | 3°27 | 6°41 | T 22 |
| F 23 | 4 40 28 | 9°23'08 | 19°45 | 0♑ 5 | 6°19 | 2°42 | 15° 8 | 18°33 | 15°47 | 19°20 | 18°45 | 11°43 | 10°21 | 3°34 | 6°38 | F 23 |
| S 24 | 4 44 24 | 10°24'09 | 4♋22 | 1° 2 | 7°34 | 3°28 | 15°18 | 18°28 | 15°45 | 19°21 | 18°44 | 11°39 | 10°18 | 3°40 | 6°34 | S 24 |
| S 25 | 4 48 21 | 11°25'11 | 18°36 | 1°55 | 8°50 | 4°14 | 15°28 | 18°24 | 15°43 | 19°23 | 18°43 | 11°35 | 10°15 | 3°47 | 6°31 | S 25 |
| M26 | 4 52 17 | 12°26'14 | 2♌25 | 2°41 | 10° 5 | 5° 1 | 15°37 | 18°20 | 15°41 | 19°24 | 18°43 | 11°30 | 10°12 | 3°54 | 6°27 | M26 |
| T 27 | 4 56 14 | 13°27'18 | 15°46 | 3°21 | 11°21 | 5°47 | 15°47 | 18°15 | 15°38 | 19°25 | 18°42 | 11°26 | 10° 8 | 4° 0 | 6°23 | T 27 |
| W28 | 5 0 11 | 14°28'23 | 28°41 | 3°54 | 12°36 | 6°33 | 15°56 | 18°11 | 15°36 | 19°26 | 18°41 | 11°23 | 10° 5 | 4° 7 | 6°20 | W28 |
| T 29 | 5 4 7 | 15°29'29 | 11♍13 | 4°18 | 13°52 | 7°20 | 16° 6 | 18° 7 | 15°34 | 19°27 | 18°41 | 11°D22 | 10° 2 | 4°14 | 6°16 | T 29 |
| F 30 | 5 8 4 | 16♐30'35 | 23♍26 | 4♑32 | 15♐ 7 | 8♒ 6 | 16♎15 | 18♉ 3 | 15♉32 | 19♒28 | 18♈40 | 11♉22 | 9♉59 | 4♏20 | 6♊13 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 0 | 15n10 | 4n57 | 21s57 | 1s46 | 13s28 | 1n 0 | 24s 9 | 1s35 | 3s21 | 1n10 | 15n35 | 2s24 | 16n34 | 0s20 | 15s39 | 0s31 | 8s33 | 17s19 | 15n27 | 15n21 | 11s 2 | 17n16 | 4s30 |
| F 2 | 17 17 | 10 4 | 4 27 | 22 21 | 1 51 | 13 54 | 0 59 | 24 3 | 1 34 | 3 25 | 1 10 | 15 33 | 2 23 | 16 33 | 0 20 | 15 38 | 0 31 | 8 33 | 17 19 | 15 27 | 15 20 | 11 5 | 17 15 | 4 30 |
| S 3 | 17 34 | 4 41 | 3 45 | 22 43 | 1 55 | 14 20 | 0 57 | 23 56 | 1 34 | 3 30 | 1 11 | 15 32 | 2 23 | 16 32 | 0 20 | 15 38 | 0 31 | 8 33 | 17 19 | 15 28 | 15 19 | 11 8 | 17 15 | 4 30 |
| S 4 | 17 50 | 0s49 | 2 54 | 23 5 | 1 59 | 14 45 | 0 55 | 23 50 | 1 33 | 3 34 | 1 11 | 15 31 | 2 23 | 16 32 | 0 20 | 15 38 | 0 31 | 8 33 | 17 19 | 15 28 | 15 18 | 11 11 | 17 14 | 4 30 |
| M 5 | 18 6 | 6 16 | 1 56 | 23 25 | 2 3 | 15 9 | 0 53 | 23 43 | 1 33 | 3 38 | 1 11 | 15 30 | 2 23 | 16 31 | 0 20 | 15 38 | 0 31 | 8 34 | 17 19 | 15 28 | 15 17 | 11 15 | 17 13 | 4 31 |
| T 6 | 18 22 | 11 30 | 0 53 | 23 44 | 2 7 | 15 33 | 0 51 | 23 36 | 1 32 | 3 43 | 1 11 | 15 28 | 2 23 | 16 30 | 0 20 | 15 38 | 0 31 | 8 34 | 17 18 | 15 28 | 15 16 | 11 18 | 17 12 | 4 31 |
| W 7 | 18 38 | 16 20 | 0s12 | 24 2 | 2 11 | 15 57 | 0 49 | 23 29 | 1 32 | 3 47 | 1 11 | 15 27 | 2 23 | 16 29 | 0 20 | 15 38 | 0 31 | 8 34 | 17 18 | 15 28 | 15 15 | 11 21 | 17 12 | 4 31 |
| T 8 | 18 53 | 20 35 | 1 17 | 24 18 | 2 14 | 16 21 | 0 47 | 23 21 | 1 31 | 3 51 | 1 11 | 15 26 | 2 23 | 16 29 | 0 20 | 15 38 | 0 31 | 8 34 | 17 18 | 15 28 | 15 14 | 11 24 | 17 11 | 4 31 |
| F 9 | 19 8 | 24 1 | 2 20 | 24 33 | 2 16 | 16 44 | 0 45 | 23 13 | 1 30 | 3 56 | 1 11 | 15 25 | 2 23 | 16 28 | 0 20 | 15 37 | 0 31 | 8 34 | 17 18 | 15 28 | 15 13 | 11 27 | 17 10 | 4 31 |
| S 10 | 19 22 | 26 25 | 3 16 | 24 47 | 2 19 | 17 6 | 0 43 | 23 5 | 1 30 | 4 0 | 1 11 | 15 23 | 2 23 | 16 27 | 0 20 | 15 37 | 0 31 | 8 34 | 17 18 | 15 27 | 15 12 | 11 30 | 17 9 | 4 32 |
| S 11 | 19 36 | 27 35 | 4 4 | 24 59 | 2 21 | 17 28 | 0 41 | 22 57 | 1 29 | 4 4 | 1 12 | 15 22 | 2 23 | 16 27 | 0 20 | 15 37 | 0 31 | 8 34 | 17 17 | 15 27 | 15 11 | 11 33 | 17 9 | 4 32 |
| M12 | 19 50 | 27 22 | 4 42 | 25 10 | 2 22 | 17 50 | 0 38 | 22 48 | 1 29 | 4 8 | 1 12 | 15 21 | 2 23 | 16 26 | 0 20 | 15 37 | 0 31 | 8 34 | 17 17 | 15 26 | 15 10 | 11 36 | 17 8 | 4 32 |
| T 13 | 20 3 | 25 44 | 5 6 | 25 20 | 2 24 | 18 11 | 0 36 | 22 39 | 1 28 | 4 12 | 1 12 | 15 20 | 2 23 | 16 25 | 0 20 | 15 37 | 0 31 | 8 35 | 17 17 | 15 25 | 15 9 | 11 40 | 17 7 | 4 32 |
| W14 | 20 16 | 22 44 | 5 16 | 25 28 | 2 24 | 18 32 | 0 34 | 22 30 | 1 28 | 4 16 | 1 12 | 15 19 | 2 22 | 16 25 | 0 20 | 15 36 | 0 31 | 8 35 | 17 17 | 15 25 | 15 8 | 11 43 | 17 7 | 4 32 |
| T 15 | 20 29 | 18 31 | 5 9 | 25 34 | 2 24 | 18 52 | 0 32 | 22 21 | 1 27 | 4 20 | 1 12 | 15 18 | 2 22 | 16 24 | 0 20 | 15 36 | 0 31 | 8 35 | 17 16 | 15 24 | 15 7 | 11 46 | 17 6 | 4 32 |
| F 16 | 20 41 | 13 16 | 4 45 | 25 39 | 2 24 | 19 12 | 0 29 | 22 11 | 1 27 | 4 24 | 1 12 | 15 16 | 2 22 | 16 23 | 0 20 | 15 36 | 0 31 | 8 35 | 17 16 | 15 24 | 15 6 | 11 49 | 17 5 | 4 33 |
| S 17 | 20 53 | 7 14 | 4 4 | 25 43 | 2 23 | 19 31 | 0 27 | 22 1 | 1 26 | 4 28 | 1 12 | 15 15 | 2 22 | 16 23 | 0 20 | 15 36 | 0 31 | 8 35 | 17 16 | 15 24 | 15 5 | 11 52 | 17 4 | 4 33 |
| S 18 | 21 5 | 0 41 | 3 7 | 25 45 | 2 21 | 19 49 | 0 25 | 21 51 | 1 25 | 4 32 | 1 13 | 15 14 | 2 22 | 16 22 | 0 20 | 15 35 | 0 31 | 8 35 | 17 16 | 15 25 | 15 4 | 11 55 | 17 4 | 4 33 |
| M19 | 21 16 | 6n 3 | 1 57 | 25 46 | 2 19 | 20 7 | 0 23 | 21 41 | 1 25 | 4 36 | 1 13 | 15 13 | 2 22 | 16 21 | 0 20 | 15 35 | 0 31 | 8 35 | 17 15 | 15 25 | 15 3 | 11 58 | 17 3 | 4 33 |
| T 20 | 21 27 | 12 36 | 0 38 | 25 44 | 2 15 | 20 25 | 0 20 | 21 31 | 1 24 | 4 40 | 1 13 | 15 12 | 2 22 | 16 21 | 0 20 | 15 35 | 0 31 | 8 35 | 17 15 | 15 26 | 15 2 | 12 1 | 17 2 | 4 33 |
| W21 | 21 37 | 18 29 | 0n44 | 25 42 | 2 11 | 20 42 | 0 18 | 21 20 | 1 23 | 4 44 | 1 13 | 15 11 | 2 22 | 16 20 | 0 20 | 15 34 | 0 31 | 8 35 | 17 15 | 15 26 | 15 1 | 12 4 | 17 2 | 4 33 |
| T 22 | 21 47 | 23 12 | 2 4 | 25 38 | 2 6 | 20 58 | 0 15 | 21 9 | 1 23 | 4 48 | 1 13 | 15 10 | 2 21 | 16 19 | 0 20 | 15 34 | 0 31 | 8 35 | 17 14 | 15 25 | 15 0 | 12 7 | 17 1 | 4 33 |
| F 23 | 21 56 | 26 21 | 3 14 | 25 32 | 2 1 | 21 13 | 0 13 | 20 58 | 1 22 | 4 51 | 1 13 | 15 9 | 2 21 | 16 19 | 0 20 | 15 34 | 0 31 | 8 35 | 17 14 | 15 24 | 14 59 | 12 10 | 17 0 | 4 33 |
| S 24 | 22 5 | 27 37 | 4 10 | 25 25 | 1 54 | 21 28 | 0 11 | 20 46 | 1 22 | 4 55 | 1 13 | 15 8 | 2 21 | 16 18 | 0 20 | 15 33 | 0 31 | 8 35 | 17 14 | 15 23 | 14 58 | 12 14 | 16 59 | 4 33 |
| S 25 | 22 14 | 26 59 | 4 48 | 25 16 | 1 46 | 21 43 | 0 8 | 20 35 | 1 21 | 4 59 | 1 14 | 15 7 | 2 21 | 16 17 | 0 20 | 15 33 | 0 31 | 8 35 | 17 14 | 15 22 | 14 57 | 12 17 | 16 59 | 4 34 |
| M26 | 22 22 | 24 42 | 5 9 | 25 6 | 1 37 | 21 57 | 0 6 | 20 23 | 1 20 | 5 2 | 1 14 | 15 6 | 2 21 | 16 17 | 0 20 | 15 33 | 0 31 | 8 35 | 17 13 | 15 20 | 14 56 | 12 20 | 16 58 | 4 34 |
| T 27 | 22 30 | 21 7 | 5 12 | 24 55 | 1 26 | 22 10 | 0 4 | 20 11 | 1 20 | 5 6 | 1 14 | 15 5 | 2 21 | 16 16 | 0 20 | 15 32 | 0 31 | 8 35 | 17 13 | 15 19 | 14 55 | 12 23 | 16 57 | 4 34 |
| W28 | 22 37 | 16 38 | 4 59 | 24 43 | 1 15 | 22 22 | 0 1 | 19 59 | 1 19 | 5 9 | 1 14 | 15 4 | 2 20 | 16 16 | 0 20 | 15 32 | 0 31 | 8 34 | 17 13 | 15 18 | 14 54 | 12 26 | 16 57 | 4 34 |
| T 29 | 22 44 | 11 34 | 4 32 | 24 29 | 1 2 | 22 34 | 0s 1 | 19 46 | 1 18 | 5 13 | 1 14 | 15 3 | 2 20 | 16 15 | 0 19 | 15 32 | 0 31 | 8 34 | 17 12 | 15 18 | 14 53 | 12 29 | 16 56 | 4 34 |
| F 30 | 22s50 | 6n11 | 3n53 | 24s14 | 0s47 | 22s45 | 0s 4 | 19s33 | 1s18 | 5s16 | 1n14 | 15n 2 | 2s20 | 16n14 | 0s19 | 15s31 | 0s31 | 8s34 | 17s12 | 15n18 | 14n52 | 12s32 | 16n55 | 4s34 |

Julian Day Number = 2215180.5, Delta T = 09m05s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'48, Lahiri = 14°49'49 Julian Calendar 1 Nov. 1352 == Greg. Calendar 9 Nov. 1352


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# ASTRODIENST EPHEMERIS for the year 1352
# geocentric

## DECEMBER 1352 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 12 0 | 17♐31'43 | 5♎25 | 4°R37 | 16♐23 | 8♒53 | 16♎24 | 17°R59 | 15°R30 | 19♒30 | 18°R40 | 11♉23 | 9♉56 | 4♏27 | 6°R 9 | S 1 |
| S 2 | 5 15 57 | 18°32'51 | 17°15 | 4♑30 | 17°38 | 9°39 | 16°33 | 17♉55 | 15♉28 | 19°31 | 18♈39 | 11°25 | 9°53 | 4°34 | 6♊ 6 | S 2 |
| M 3 | 5 19 53 | 19°34'00 | 29° 1 | 4°13 | 18°54 | 10°25 | 16°42 | 17°51 | 15°26 | 19°32 | 18°39 | 11°27 | 9°49 | 4°40 | 6° 2 | M 3 |
| T 4 | 5 23 50 | 20°35'09 | 10♏49 | 3°43 | 20° 9 | 11°12 | 16°51 | 17°48 | 15°24 | 19°34 | 18°38 | 11°R28 | 9°46 | 4°47 | 5°59 | T 4 |
| W 5 | 5 27 46 | 21°36'19 | 22°40 | 3° 2 | 21°25 | 11°58 | 17° 0 | 17°44 | 15°22 | 19°35 | 18°38 | 11°27 | 9°43 | 4°54 | 5°55 | W 5 |
| T 6 | 5 31 43 | 22°37'30 | 4♐40 | 2° 9 | 22°41 | 12°45 | 17° 8 | 17°40 | 15°20 | 19°36 | 18°38 | 11°24 | 9°40 | 5° 0 | 5°52 | T 6 |
| F 7 | 5 35 40 | 23°38'41 | 16°50 | 1° 7 | 23°56 | 13°31 | 17°17 | 17°37 | 15°19 | 19°38 | 18°37 | 11°19 | 9°37 | 5° 7 | 5°48 | F 7 |
| S 8 | 5 39 36 | 24°39'53 | 29°11 | 29♐56 | 25°12 | 14°18 | 17°25 | 17°33 | 15°17 | 19°39 | 18°37 | 11°12 | 9°34 | 5°13 | 5°45 | S 8 |
| S 9 | 5 43 33 | 25°41'05 | 11♑45 | 28°39 | 26°27 | 15° 4 | 17°33 | 17°30 | 15°15 | 19°41 | 18°36 | 11° 4 | 9°30 | 5°20 | 5°41 | S 9 |
| M10 | 5 47 29 | 26°42'17 | 24°32 | 27°18 | 27°43 | 15°50 | 17°41 | 17°27 | 15°13 | 19°42 | 18°36 | 10°56 | 9°27 | 5°27 | 5°38 | M10 |
| T 11 | 5 51 26 | 27°43'29 | 7♒31 | 25°56 | 28°58 | 16°37 | 17°49 | 17°24 | 15°12 | 19°44 | 18°36 | 10°47 | 9°24 | 5°33 | 5°35 | T 11 |
| W12 | 5 55 22 | 28°44'41 | 20°42 | 24°36 | 0♑14 | 17°23 | 17°57 | 17°21 | 15°10 | 19°46 | 18°35 | 10°40 | 9°21 | 5°40 | 5°32 | W12 |
| T 13 | 5 59 19 | 29°45'53 | 4♓ 5 | 23°19 | 1°29 | 18°10 | 18° 5 | 17°18 | 15° 8 | 19°47 | 18°35 | 10°35 | 9°18 | 5°47 | 5°28 | T 13 |
| F 14 | 6 3 15 | 0♑47'04 | 17°41 | 22° 9 | 2°45 | 18°56 | 18°12 | 17°15 | 15° 7 | 19°49 | 18°35 | 10°32 | 9°14 | 5°53 | 5°25 | F 14 |
| S 15 | 6 7 12 | 1°48'15 | 1♈30 | 21° 7 | 4° 0 | 19°43 | 18°20 | 17°12 | 15° 5 | 19°50 | 18°35 | 10°D31 | 9°11 | 6° 0 | 5°22 | S 15 |
| S 16 | 6 11 9 | 2°49'26 | 15°31 | 20°15 | 5°16 | 20°29 | 18°27 | 17° 9 | 15° 4 | 19°52 | 18°34 | 10°32 | 9° 8 | 6° 7 | 5°19 | S 16 |
| M17 | 6 15 5 | 3°50'37 | 29°45 | 19°32 | 6°31 | 21°16 | 18°34 | 17° 7 | 15° 2 | 19°54 | 18°34 | 10°33 | 9° 5 | 6°13 | 5°16 | M17 |
| T 18 | 6 19 2 | 4°51'47 | 14♉10 | 18°59 | 7°47 | 22° 2 | 18°41 | 17° 4 | 15° 1 | 19°56 | 18°34 | 10°R33 | 9° 2 | 6°20 | 5°13 | T 18 |
| W19 | 6 22 58 | 5°52'57 | 28°43 | 18°37 | 9° 2 | 22°48 | 18°48 | 17° 2 | 15° 0 | 19°57 | 18°34 | 10°31 | 8°59 | 6°27 | 5°10 | W19 |
| T 20 | 6 26 55 | 6°54'07 | 13♊19 | 18°24 | 10°17 | 23°35 | 18°55 | 16°59 | 14°58 | 19°59 | 18°34 | 10°28 | 8°55 | 6°33 | 5° 7 | T 20 |
| F 21 | 6 30 51 | 7°55'16 | 27°53 | 18°D21 | 11°33 | 24°21 | 19° 2 | 16°57 | 14°57 | 20° 1 | 18°34 | 10°21 | 8°52 | 6°40 | 5° 4 | F 21 |
| S 22 | 6 34 48 | 8°56'25 | 12♋17 | 18°26 | 12°48 | 25° 8 | 19° 8 | 16°55 | 14°56 | 20° 3 | 18°34 | 10°12 | 8°49 | 6°47 | 5° 1 | S 22 |
| S 23 | 6 38 45 | 9°57'34 | 26°25 | 18°40 | 14° 4 | 25°54 | 19°14 | 16°53 | 14°55 | 20° 4 | 18°34 | 10° 2 | 8°46 | 6°53 | 4°58 | S 23 |
| M24 | 6 42 41 | 10°58'43 | 10♌12 | 19° 1 | 15°19 | 26°40 | 19°20 | 16°51 | 14°54 | 20° 6 | 18°34 | 9°52 | 8°43 | 7° 0 | 4°56 | M24 |
| T 25 | 6 46 38 | 11°59'51 | 23°35 | 19°28 | 16°35 | 27°27 | 19°26 | 16°50 | 14°53 | 20° 8 | 18°D34 | 9°42 | 8°40 | 7° 6 | 4°53 | T 25 |
| W26 | 6 50 34 | 13° 0'59 | 6♍33 | 20° 2 | 17°50 | 28°13 | 19°32 | 16°48 | 14°52 | 20°10 | 18°34 | 9°34 | 8°36 | 7°13 | 4°50 | W26 |
| T 27 | 6 54 31 | 14° 2'07 | 19° 9 | 20°42 | 19° 5 | 28°59 | 19°38 | 16°46 | 14°51 | 20°12 | 18°34 | 9°28 | 8°33 | 7°20 | 4°48 | T 27 |
| F 28 | 6 58 27 | 15° 3'14 | 1♎25 | 21°26 | 20°21 | 29°45 | 19°43 | 16°45 | 14°50 | 20°14 | 18°34 | 9°25 | 8°30 | 7°26 | 4°45 | F 28 |
| S 29 | 7 2 24 | 16° 4'22 | 13°25 | 22°15 | 21°36 | 0♓32 | 19°49 | 16°44 | 14°49 | 20°16 | 18°34 | 9°D24 | 8°27 | 7°33 | 4°43 | S 29 |
| S 30 | 7 6 20 | 17° 5'29 | 25°16 | 23° 7 | 22°52 | 1°18 | 19°54 | 16°42 | 14°48 | 20°18 | 18°34 | 9°24 | 8°24 | 7°40 | 4°40 | S 30 |
| M31 | 7 10 17 | 18♑ 6'36 | 7♏ 3 | 24♐ 4 | 24♑ 7 | 2♓ 4 | 19♎59 | 16♉41 | 14♉47 | 20♒20 | 18♈34 | 9°R25 | 8♉20 | 7♏46 | 4♊38 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s56 | 0n40 | 3n 4 | 23s59 | 0s32 | 22s55 | 0s 6 | 19s21 | 1s17 | 5s19 | 1n15 | 15n 1 | 2s20 | 16n14 | 0s19 | 15s31 | 0s31 | 8s34 | 17s12 | 15n18 | 14n51 | 12s35 | 16n55 | 4s34 |
| S 2 | 23 2 | 4s49 | 2 8 | 23 42 | 0 15 | 23 5 | 0 8 | 19 8 | 1 16 | 5 23 | 1 15 | 15 0 | 2 20 | 16 13 | 0 19 | 15 30 | 0 31 | 8 34 | 17 11 | 15 19 | 14 50 | 12 38 | 16 54 | 4 34 |
| M 3 | 23 7 | 10 7 | 1 7 | 23 25 | 0n 3 | 23 14 | 0 11 | 18 54 | 1 16 | 5 26 | 1 15 | 14 59 | 2 19 | 16 13 | 0 19 | 15 30 | 0 31 | 8 34 | 17 11 | 15 19 | 14 49 | 12 41 | 16 54 | 4 34 |
| T 4 | 23 11 | 15 4 | 0 4 | 23 7 | 0 22 | 23 23 | 0 13 | 18 41 | 1 15 | 5 29 | 1 15 | 14 58 | 2 19 | 16 12 | 0 19 | 15 29 | 0 31 | 8 34 | 17 11 | 15 19 | 14 48 | 12 44 | 16 53 | 4 34 |
| W 5 | 23 15 | 19 29 | 1s 1 | 22 48 | 0 41 | 23 30 | 0 15 | 18 27 | 1 14 | 5 32 | 1 15 | 14 57 | 2 19 | 16 12 | 0 19 | 15 29 | 0 31 | 8 34 | 17 10 | 15 19 | 14 47 | 12 47 | 16 52 | 4 34 |
| T 6 | 23 19 | 23 9 | 2 3 | 22 29 | 1 1 | 23 37 | 0 18 | 18 13 | 1 14 | 5 36 | 1 16 | 14 57 | 2 19 | 16 11 | 0 19 | 15 29 | 0 31 | 8 34 | 17 10 | 15 18 | 14 46 | 12 50 | 16 52 | 4 34 |
| F 7 | 23 22 | 25 51 | 3 0 | 22 10 | 1 21 | 23 43 | 0 20 | 17 59 | 1 13 | 5 39 | 1 16 | 14 56 | 2 18 | 16 11 | 0 19 | 15 28 | 0 31 | 8 33 | 17 10 | 15 17 | 14 45 | 12 54 | 16 51 | 4 34 |
| S 8 | 23 25 | 27 21 | 3 50 | 21 51 | 1 41 | 23 49 | 0 22 | 17 45 | 1 12 | 5 42 | 1 16 | 14 55 | 2 18 | 16 10 | 0 19 | 15 28 | 0 31 | 8 33 | 17 9 | 15 15 | 14 44 | 12 57 | 16 51 | 4 34 |
| S 9 | 23 27 | 27 28 | 4 29 | 21 32 | 1 59 | 23 53 | 0 25 | 17 31 | 1 12 | 5 45 | 1 16 | 14 54 | 2 18 | 16 10 | 0 19 | 15 27 | 0 31 | 8 33 | 17 9 | 15 12 | 14 43 | 13 0 | 16 50 | 4 34 |
| M10 | 23 29 | 26 8 | 4 55 | 21 14 | 2 16 | 23 57 | 0 27 | 17 16 | 1 11 | 5 48 | 1 16 | 14 54 | 2 18 | 16 9 | 0 19 | 15 27 | 0 31 | 8 33 | 17 9 | 15 9 | 14 42 | 13 3 | 16 50 | 4 34 |
| T 11 | 23 30 | 23 24 | 5 7 | 20 57 | 2 31 | 24 1 | 0 29 | 17 2 | 1 10 | 5 50 | 1 16 | 14 53 | 2 18 | 16 9 | 0 19 | 15 26 | 0 31 | 8 33 | 17 8 | 15 7 | 14 41 | 13 6 | 16 49 | 4 34 |
| W12 | 23 31 | 19 25 | 5 3 | 20 41 | 2 44 | 24 3 | 0 32 | 16 47 | 1 10 | 5 53 | 1 17 | 14 52 | 2 17 | 16 8 | 0 19 | 15 26 | 0 31 | 8 32 | 17 8 | 15 5 | 14 40 | 13 9 | 16 48 | 4 34 |
| T 13 | 23 32 | 14 25 | 4 42 | 20 27 | 2 55 | 24 5 | 0 34 | 16 32 | 1 9 | 5 56 | 1 17 | 14 52 | 2 17 | 16 8 | 0 19 | 15 25 | 0 31 | 8 32 | 17 8 | 15 3 | 14 39 | 13 12 | 16 48 | 4 34 |
| F 14 | 23 31 | 8 39 | 4 6 | 20 15 | 3 3 | 24 6 | 0 36 | 16 17 | 1 8 | 5 59 | 1 17 | 14 51 | 2 17 | 16 7 | 0 19 | 15 25 | 0 31 | 8 32 | 17 7 | 15 2 | 14 38 | 13 15 | 16 47 | 4 34 |
| S 15 | 23 31 | 2 22 | 3 14 | 20 6 | 3 8 | 24 6 | 0 38 | 16 1 | 1 7 | 6 1 | 1 17 | 14 51 | 2 17 | 16 7 | 0 19 | 15 24 | 0 31 | 8 32 | 17 7 | 15 2 | 14 37 | 13 18 | 16 47 | 4 34 |
| S 16 | 23 30 | 4n 8 | 2 10 | 19 59 | 3 12 | 24 5 | 0 40 | 15 46 | 1 7 | 6 4 | 1 17 | 14 50 | 2 16 | 16 6 | 0 19 | 15 24 | 0 31 | 8 31 | 17 7 | 15 2 | 14 35 | 13 21 | 16 47 | 4 34 |
| M17 | 23 28 | 10 31 | 0 58 | 19 54 | 3 13 | 24 4 | 0 42 | 15 30 | 1 6 | 6 6 | 1 18 | 14 50 | 2 16 | 16 6 | 0 19 | 15 23 | 0 31 | 8 31 | 17 6 | 15 2 | 14 34 | 13 24 | 16 46 | 4 34 |
| T 18 | 23 26 | 16 27 | 0n19 | 19 53 | 3 12 | 24 2 | 0 44 | 15 15 | 1 5 | 6 9 | 1 18 | 14 49 | 2 16 | 16 6 | 0 19 | 15 22 | 0 31 | 8 31 | 17 6 | 15 2 | 14 33 | 13 27 | 16 46 | 4 34 |
| W19 | 23 24 | 21 30 | 1 36 | 19 53 | 3 10 | 23 59 | 0 47 | 14 59 | 1 4 | 6 11 | 1 18 | 14 49 | 2 16 | 16 5 | 0 19 | 15 22 | 0 31 | 8 31 | 17 5 | 15 2 | 14 32 | 13 30 | 16 45 | 4 33 |
| T 20 | 23 21 | 25 14 | 2 46 | 19 56 | 3 6 | 23 56 | 0 49 | 14 43 | 1 4 | 6 14 | 1 18 | 14 49 | 2 15 | 16 5 | 0 19 | 15 21 | 0 31 | 8 30 | 17 5 | 15 1 | 14 31 | 13 33 | 16 45 | 4 33 |
| F 21 | 23 17 | 27 16 | 3 45 | 20 1 | 3 0 | 23 52 | 0 51 | 14 26 | 1 3 | 6 16 | 1 19 | 14 48 | 2 15 | 16 5 | 0 19 | 15 21 | 0 31 | 8 30 | 17 5 | 14 59 | 14 30 | 13 36 | 16 44 | 4 33 |
| S 22 | 23 13 | 27 25 | 4 29 | 20 8 | 2 54 | 23 47 | 0 52 | 14 10 | 1 2 | 6 18 | 1 19 | 14 48 | 2 15 | 16 4 | 0 19 | 15 20 | 0 31 | 8 30 | 17 4 | 14 56 | 14 29 | 13 39 | 16 44 | 4 33 |
| S 23 | 23 9 | 25 47 | 4 56 | 20 16 | 2 47 | 23 41 | 0 54 | 13 54 | 1 2 | 6 20 | 1 19 | 14 48 | 2 14 | 16 4 | 0 19 | 15 20 | 0 31 | 8 29 | 17 4 | 14 53 | 14 28 | 13 42 | 16 43 | 4 33 |
| M24 | 23 4 | 22 37 | 5 4 | 20 25 | 2 40 | 23 34 | 0 56 | 13 37 | 1 1 | 6 22 | 1 19 | 14 47 | 2 14 | 16 4 | 0 19 | 15 19 | 0 31 | 8 29 | 17 4 | 14 49 | 14 27 | 13 45 | 16 43 | 4 33 |
| T 25 | 22 59 | 18 21 | 4 55 | 20 36 | 2 31 | 23 27 | 0 58 | 13 21 | 1 0 | 6 25 | 1 19 | 14 47 | 2 14 | 16 3 | 0 19 | 15 18 | 0 31 | 8 29 | 17 3 | 14 46 | 14 26 | 13 48 | 16 43 | 4 33 |
| W26 | 22 53 | 13 20 | 4 32 | 20 47 | 2 23 | 23 19 | 1 0 | 13 4 | 0 59 | 6 27 | 1 20 | 14 47 | 2 14 | 16 3 | 0 19 | 15 18 | 0 31 | 8 28 | 17 3 | 14 44 | 14 25 | 13 51 | 16 42 | 4 33 |
| T 27 | 22 47 | 7 54 | 3 55 | 20 58 | 2 14 | 23 11 | 1 2 | 12 47 | 0 59 | 6 28 | 1 20 | 14 47 | 2 13 | 16 3 | 0 19 | 15 17 | 0 31 | 8 28 | 17 3 | 14 42 | 14 24 | 13 54 | 16 42 | 4 33 |
| F 28 | 22 40 | 2 19 | 3 8 | 21 11 | 2 4 | 23 1 | 1 3 | 12 30 | 0 58 | 6 30 | 1 20 | 14 47 | 2 13 | 16 3 | 0 19 | 15 17 | 0 31 | 8 28 | 17 2 | 14 41 | 14 23 | 13 57 | 16 42 | 4 33 |
| S 29 | 22 33 | 3s16 | 2 14 | 21 23 | 1 55 | 22 51 | 1 5 | 12 13 | 0 57 | 6 32 | 1 20 | 14 46 | 2 13 | 16 2 | 0 19 | 15 16 | 0 31 | 8 27 | 17 2 | 14 41 | 14 22 | 14 0 | 16 41 | 4 32 |
| S 30 | 22 26 | 8 39 | 1 15 | 21 35 | 1 46 | 22 40 | 1 7 | 11 56 | 0 56 | 6 34 | 1 21 | 14 46 | 2 12 | 16 2 | 0 19 | 15 15 | 0 31 | 8 27 | 17 1 | 14 41 | 14 21 | 14 3 | 16 41 | 4 32 |
| M31 | 22s18 | 13s43 | 0n13 | 21s48 | 1n36 | 22s29 | 1s 8 | 11s38 | 0s56 | 6s36 | 1n21 | 14n46 | 2s12 | 16n 2 | 0s19 | 15s15 | 0s31 | 8s27 | 17s 1 | 14n41 | 14n20 | 14s 6 | 16n41 | 4s32 |

Julian Day Number = 2215210.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'53, Lahiri = 14°49'53 Julian Calendar 1 Dec. 1352 == Greg. Calendar 9 Dec. 1352


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## JANUARY 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 14 14 | 19♑ 7'42 | 18♏52 | 25♐ 3 | 25♑22 | 2♓50 | 20♎ 4 | 16°R40 | 14°R47 | 20♒22 | 18♈34 | 9°R24 | 8♉17 | 7♏53 | 4°R36 | T 1 |
| W 2 | 7 18 10 | 20° 8'48 | 0♐47 | 26° 6 | 26°38 | 3°37 | 20° 9 | 16♉39 | 14♉46 | 20°24 | 18°34 | 9♉22 | 8°14 | 8° 0 | 4♊34 | W 2 |
| T 3 | 7 22 7 | 21° 9'54 | 12°52 | 27°11 | 27°53 | 4°23 | 20°13 | 16°39 | 14°45 | 20°26 | 18°35 | 9°17 | 8°11 | 8° 6 | 4°31 | T 3 |
| F 4 | 7 26 3 | 22°10'59 | 25°12 | 28°18 | 29° 8 | 5° 9 | 20°17 | 16°38 | 14°45 | 20°28 | 18°35 | 9°10 | 8° 8 | 8°13 | 4°29 | F 4 |
| S 5 | 7 30 0 | 23°12'04 | 7♑47 | 29°28 | 0♒24 | 5°55 | 20°22 | 16°37 | 14°44 | 20°30 | 18°35 | 8°59 | 8° 5 | 8°20 | 4°27 | S 5 |
| S 6 | 7 33 56 | 24°13'07 | 20°40 | 0♑39 | 1°39 | 6°41 | 20°26 | 16°37 | 14°44 | 20°32 | 18°35 | 8°47 | 8° 1 | 8°26 | 4°25 | S 6 |
| M 7 | 7 37 53 | 25°14'10 | 3♒49 | 1°52 | 2°54 | 7°27 | 20°30 | 16°37 | 14°43 | 20°34 | 18°36 | 8°34 | 7°58 | 8°33 | 4°23 | M 7 |
| T 8 | 7 41 49 | 26°15'12 | 17°12 | 3° 7 | 4°10 | 8°13 | 20°33 | 16°36 | 14°43 | 20°36 | 18°36 | 8°21 | 7°55 | 8°39 | 4°22 | T 8 |
| W 9 | 7 45 46 | 27°16'13 | 0♓48 | 4°24 | 5°25 | 9° 0 | 20°37 | 16°D36 | 14°43 | 20°38 | 18°36 | 8° 9 | 7°52 | 8°46 | 4°20 | W 9 |
| T 10 | 7 49 43 | 28°17'13 | 14°33 | 5°42 | 6°40 | 9°46 | 20°40 | 16°36 | 14°43 | 20°41 | 18°37 | 8° 1 | 7°49 | 8°53 | 4°18 | T 10 |
| F 11 | 7 53 39 | 29°18'12 | 28°24 | 7° 1 | 7°56 | 10°32 | 20°43 | 16°36 | 14°42 | 20°43 | 18°37 | 7°55 | 7°46 | 8°59 | 4°17 | F 11 |
| S 12 | 7 57 36 | 0♒19'09 | 12♈21 | 8°22 | 9°11 | 11°18 | 20°46 | 16°37 | 14°42 | 20°45 | 18°37 | 7°52 | 7°42 | 9° 6 | 4°15 | S 12 |
| S 13 | 8 1 32 | 1°20'05 | 26°22 | 9°43 | 10°26 | 12° 4 | 20°49 | 16°37 | 14°42 | 20°47 | 18°38 | 7°51 | 7°39 | 9°13 | 4°14 | S 13 |
| M14 | 8 5 29 | 2°21'00 | 10♉26 | 11° 6 | 11°41 | 12°49 | 20°51 | 16°38 | 14°D42 | 20°49 | 18°38 | 7°51 | 7°36 | 9°19 | 4°12 | M14 |
| T 15 | 8 9 25 | 3°21'53 | 24°34 | 12°30 | 12°56 | 13°35 | 20°54 | 16°38 | 14°42 | 20°51 | 18°39 | 7°51 | 7°33 | 9°26 | 4°11 | T 15 |
| W16 | 8 13 22 | 4°22'45 | 8♊43 | 13°55 | 14°12 | 14°21 | 20°56 | 16°39 | 14°42 | 20°54 | 18°39 | 7°48 | 7°30 | 9°33 | 4°10 | W16 |
| T 17 | 8 17 18 | 5°23'36 | 22°52 | 15°20 | 15°27 | 15° 7 | 20°58 | 16°40 | 14°42 | 20°56 | 18°40 | 7°43 | 7°26 | 9°39 | 4° 8 | T 17 |
| F 18 | 8 21 15 | 6°24'25 | 6♋58 | 16°47 | 16°42 | 15°53 | 21° 0 | 16°41 | 14°43 | 20°58 | 18°40 | 7°35 | 7°23 | 9°46 | 4° 7 | F 18 |
| S 19 | 8 25 12 | 7°25'13 | 20°56 | 18°15 | 17°57 | 16°39 | 21° 2 | 16°42 | 14°43 | 21° 0 | 18°41 | 7°24 | 7°20 | 9°53 | 4° 6 | S 19 |
| S 20 | 8 29 8 | 8°25'59 | 4♌43 | 19°43 | 19°12 | 17°24 | 21° 3 | 16°43 | 14°43 | 21° 2 | 18°41 | 7°11 | 7°17 | 9°59 | 4° 5 | S 20 |
| M21 | 8 33 5 | 9°26'44 | 18°15 | 21°13 | 20°27 | 18°10 | 21° 5 | 16°44 | 14°43 | 21° 5 | 18°42 | 6°58 | 7°14 | 10° 6 | 4° 4 | M21 |
| T 22 | 8 37 1 | 10°27'28 | 1♍27 | 22°43 | 21°42 | 18°56 | 21° 6 | 16°46 | 14°44 | 21° 7 | 18°42 | 6°45 | 7°11 | 10°13 | 4° 4 | T 22 |
| W23 | 8 40 58 | 11°28'10 | 14°20 | 24°14 | 22°57 | 19°41 | 21° 7 | 16°47 | 14°44 | 21° 9 | 18°43 | 6°34 | 7° 7 | 10°19 | 4° 3 | W23 |
| T 24 | 8 44 54 | 12°28'51 | 26°53 | 25°46 | 24°12 | 20°27 | 21° 7 | 16°49 | 14°45 | 21°11 | 18°44 | 6°26 | 7° 4 | 10°26 | 4° 2 | T 24 |
| F 25 | 8 48 51 | 13°29'31 | 9♎ 9 | 27°19 | 25°27 | 21°12 | 21° 8 | 16°50 | 14°45 | 21°14 | 18°44 | 6°21 | 7° 1 | 10°32 | 4° 2 | F 25 |
| S 26 | 8 52 47 | 14°30'10 | 21°11 | 28°52 | 26°42 | 21°58 | 21° 8 | 16°52 | 14°46 | 21°16 | 18°45 | 6°19 | 6°58 | 10°39 | 4° 1 | S 26 |
| S 27 | 8 56 44 | 15°30'48 | 3♏ 3 | 0♒27 | 27°57 | 22°43 | 21°R 8 | 16°54 | 14°46 | 21°18 | 18°46 | 6°D18 | 6°55 | 10°46 | 4° 1 | S 27 |
| M28 | 9 0 41 | 16°31'24 | 14°50 | 2° 2 | 29°12 | 23°29 | 21° 8 | 16°56 | 14°47 | 21°21 | 18°46 | 6°R18 | 6°52 | 10°52 | 4° 0 | M28 |
| T 29 | 9 4 37 | 17°31'59 | 26°39 | 3°38 | 0♓27 | 24°14 | 21° 8 | 16°58 | 14°48 | 21°23 | 18°47 | 6°18 | 6°48 | 10°59 | 4° 0 | T 29 |
| W30 | 9 8 34 | 18°32'33 | 8♐35 | 5°16 | 1°42 | 25° 0 | 21° 8 | 17° 1 | 14°49 | 21°25 | 18°48 | 6°16 | 6°45 | 11° 6 | 4° 0 | W30 |
| T 31 | 9 12 30 | 19♒33'06 | 20♐43 | 6♒54 | 2♓57 | 25♓45 | 21♎ 7 | 17♉ 3 | 14♉50 | 21♒27 | 18♈49 | 6♉12 | 6♉42 | 11♏12 | 4♊ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s 9 | 18s18 | 0s50 | 21s59 | 1n26 | 22s17 | 1s10 | 11s21 | 0s55 | 6s37 | 1n21 | 14n46 | 2s12 | 16n 2 | 0s19 | 15s14 | 0s31 | 8s26 | 17s 1 | 14n41 | 14n19 | 14s 9 | 16n41 | 4s32 |
| W 2 | 22 0 | 22 12 | 1 51 | 22 11 | 1 17 | 22 4 | 1 11 | 11 3 | 0 54 | 6 39 | 1 21 | 14 46 | 2 12 | 16 2 | 0 19 | 15 14 | 0 31 | 8 26 | 17 0 | 14 40 | 14 18 | 14 12 | 16 40 | 4 32 |
| T 3 | 21 51 | 25 12 | 2 48 | 22 22 | 1 8 | 21 51 | 1 13 | 10 46 | 0 53 | 6 40 | 1 21 | 14 46 | 2 11 | 16 1 | 0 19 | 15 13 | 0 31 | 8 25 | 17 0 | 14 38 | 14 17 | 14 15 | 16 40 | 4 32 |
| F 4 | 21 41 | 27 4 | 3 38 | 22 33 | 0 58 | 21 36 | 1 14 | 10 28 | 0 52 | 6 42 | 1 22 | 14 46 | 2 11 | 16 1 | 0 19 | 15 12 | 0 31 | 8 25 | 17 0 | 14 36 | 14 16 | 14 18 | 16 40 | 4 31 |
| S 5 | 21 31 | 27 35 | 4 18 | 22 43 | 0 49 | 21 22 | 1 15 | 10 10 | 0 52 | 6 43 | 1 22 | 14 47 | 2 11 | 16 1 | 0 19 | 15 12 | 0 31 | 8 25 | 16 59 | 14 33 | 14 15 | 14 21 | 16 40 | 4 31 |
| S 6 | 21 21 | 26 38 | 4 46 | 22 52 | 0 40 | 21 6 | 1 16 | 9 53 | 0 51 | 6 44 | 1 22 | 14 47 | 2 10 | 16 1 | 0 19 | 15 11 | 0 31 | 8 24 | 16 59 | 14 29 | 14 14 | 14 24 | 16 40 | 4 31 |
| M 7 | 21 10 | 24 13 | 5 0 | 23 0 | 0 31 | 20 50 | 1 18 | 9 35 | 0 50 | 6 46 | 1 22 | 14 47 | 2 10 | 16 1 | 0 19 | 15 10 | 0 31 | 8 24 | 16 59 | 14 24 | 14 13 | 14 27 | 16 39 | 4 31 |
| T 8 | 20 59 | 20 27 | 4 57 | 23 7 | 0 22 | 20 34 | 1 19 | 9 17 | 0 49 | 6 47 | 1 23 | 14 47 | 2 10 | 16 1 | 0 19 | 15 10 | 0 31 | 8 23 | 16 58 | 14 20 | 14 12 | 14 30 | 16 39 | 4 31 |
| W 9 | 20 47 | 15 33 | 4 38 | 23 14 | 0 13 | 20 16 | 1 20 | 8 59 | 0 49 | 6 48 | 1 23 | 14 47 | 2 10 | 16 1 | 0 19 | 15 9 | 0 31 | 8 23 | 16 58 | 14 17 | 14 11 | 14 33 | 16 39 | 4 31 |
| T 10 | 20 35 | 9 50 | 4 2 | 23 19 | 0 5 | 19 59 | 1 21 | 8 41 | 0 48 | 6 49 | 1 23 | 14 48 | 2 9 | 16 1 | 0 19 | 15 8 | 0 31 | 8 22 | 16 57 | 14 14 | 14 10 | 14 36 | 16 39 | 4 30 |
| F 11 | 20 22 | 3 35 | 3 12 | 23 24 | 0s 4 | 19 40 | 1 22 | 8 22 | 0 47 | 6 50 | 1 23 | 14 48 | 2 9 | 16 1 | 0 19 | 15 8 | 0 31 | 8 22 | 16 57 | 14 12 | 14 9 | 14 39 | 16 39 | 4 30 |
| S 12 | 20 9 | 2n54 | 2 10 | 23 27 | 0 12 | 19 21 | 1 23 | 8 4 | 0 46 | 6 51 | 1 24 | 14 48 | 2 9 | 16 1 | 0 19 | 15 7 | 0 31 | 8 21 | 16 57 | 14 11 | 14 8 | 14 42 | 16 39 | 4 30 |
| S 13 | 19 56 | 9 16 | 1 0 | 23 29 | 0 19 | 19 2 | 1 24 | 7 46 | 0 46 | 6 52 | 1 24 | 14 49 | 2 8 | 16 1 | 0 18 | 15 6 | 0 31 | 8 21 | 16 56 | 14 11 | 14 7 | 14 45 | 16 39 | 4 30 |
| M14 | 19 42 | 15 13 | 0n14 | 23 31 | 0 27 | 18 42 | 1 24 | 7 28 | 0 45 | 6 52 | 1 24 | 14 49 | 2 8 | 16 1 | 0 18 | 15 5 | 0 31 | 8 20 | 16 56 | 14 11 | 14 6 | 14 48 | 16 39 | 4 30 |
| T 15 | 19 28 | 20 23 | 1 27 | 23 31 | 0 35 | 18 21 | 1 25 | 7 9 | 0 44 | 6 53 | 1 24 | 14 50 | 2 8 | 16 1 | 0 18 | 15 5 | 0 31 | 8 20 | 16 56 | 14 10 | 14 5 | 14 51 | 16 39 | 4 29 |
| W16 | 19 14 | 24 23 | 2 35 | 23 29 | 0 42 | 18 0 | 1 26 | 6 51 | 0 43 | 6 54 | 1 25 | 14 50 | 2 7 | 16 1 | 0 18 | 15 4 | 0 31 | 8 19 | 16 55 | 14 10 | 14 4 | 14 54 | 16 39 | 4 29 |
| T 17 | 18 59 | 26 53 | 3 34 | 23 27 | 0 49 | 17 38 | 1 26 | 6 32 | 0 43 | 6 54 | 1 25 | 14 51 | 2 7 | 16 1 | 0 18 | 15 3 | 0 31 | 8 19 | 16 55 | 14 8 | 14 3 | 14 57 | 16 39 | 4 29 |
| F 18 | 18 44 | 27 39 | 4 19 | 23 23 | 0 55 | 17 16 | 1 27 | 6 14 | 0 42 | 6 55 | 1 25 | 14 51 | 2 7 | 16 1 | 0 18 | 15 3 | 0 31 | 8 18 | 16 55 | 14 5 | 14 2 | 15 0 | 16 39 | 4 29 |
| S 19 | 18 29 | 26 38 | 4 48 | 23 18 | 1 2 | 16 53 | 1 27 | 5 55 | 0 41 | 6 55 | 1 25 | 14 52 | 2 7 | 16 1 | 0 18 | 15 2 | 0 31 | 8 18 | 16 54 | 14 2 | 14 1 | 15 3 | 16 39 | 4 29 |
| S 20 | 18 13 | 24 0 | 5 0 | 23 12 | 1 8 | 16 30 | 1 28 | 5 37 | 0 40 | 6 55 | 1 26 | 14 52 | 2 6 | 16 1 | 0 18 | 15 1 | 0 31 | 8 17 | 16 54 | 13 58 | 14 0 | 15 6 | 16 39 | 4 28 |
| M21 | 17 57 | 20 5 | 4 54 | 23 4 | 1 14 | 16 7 | 1 28 | 5 18 | 0 39 | 6 56 | 1 26 | 14 53 | 2 6 | 16 1 | 0 18 | 15 1 | 0 31 | 8 17 | 16 54 | 13 53 | 13 58 | 15 9 | 16 39 | 4 28 |
| T 22 | 17 41 | 15 14 | 4 33 | 22 55 | 1 20 | 15 43 | 1 28 | 4 59 | 0 39 | 6 56 | 1 26 | 14 54 | 2 6 | 16 1 | 0 18 | 15 0 | 0 31 | 8 16 | 16 53 | 13 49 | 13 57 | 15 11 | 16 39 | 4 28 |
| W23 | 17 24 | 9 51 | 3 58 | 22 45 | 1 25 | 15 18 | 1 29 | 4 41 | 0 38 | 6 56 | 1 26 | 14 54 | 2 5 | 16 2 | 0 18 | 14 59 | 0 31 | 8 16 | 16 53 | 13 46 | 13 56 | 15 14 | 16 39 | 4 28 |
| T 24 | 17 7 | 4 11 | 3 12 | 22 33 | 1 30 | 14 54 | 1 29 | 4 22 | 0 37 | 6 56 | 1 27 | 14 55 | 2 5 | 16 2 | 0 18 | 14 58 | 0 31 | 8 15 | 16 53 | 13 43 | 13 55 | 15 17 | 16 39 | 4 28 |
| F 25 | 16 50 | 1s31 | 2 19 | 22 20 | 1 35 | 14 28 | 1 29 | 4 3 | 0 36 | 6 56 | 1 27 | 14 56 | 2 5 | 16 2 | 0 18 | 14 58 | 0 31 | 8 15 | 16 52 | 13 41 | 13 54 | 15 20 | 16 39 | 4 27 |
| S 26 | 16 32 | 7 4 | 1 19 | 22 5 | 1 40 | 14 3 | 1 29 | 3 45 | 0 36 | 6 56 | 1 27 | 14 57 | 2 5 | 16 2 | 0 18 | 14 57 | 0 31 | 8 14 | 16 52 | 13 40 | 13 53 | 15 23 | 16 39 | 4 27 |
| S 27 | 16 15 | 12 18 | 0 17 | 21 49 | 1 44 | 13 37 | 1 29 | 3 26 | 0 35 | 6 56 | 1 27 | 14 58 | 2 4 | 16 2 | 0 18 | 14 56 | 0 31 | 8 13 | 16 52 | 13 40 | 13 52 | 15 26 | 16 39 | 4 27 |
| M28 | 15 56 | 17 4 | 0s45 | 21 31 | 1 48 | 13 11 | 1 29 | 3 7 | 0 34 | 6 55 | 1 28 | 14 58 | 2 4 | 16 3 | 0 18 | 14 55 | 0 31 | 8 13 | 16 51 | 13 40 | 13 51 | 15 29 | 16 39 | 4 27 |
| T 29 | 15 38 | 21 12 | 1 46 | 21 13 | 1 51 | 12 44 | 1 29 | 2 48 | 0 33 | 6 55 | 1 28 | 14 59 | 2 4 | 16 3 | 0 18 | 14 55 | 0 31 | 8 12 | 16 51 | 13 40 | 13 50 | 15 32 | 16 40 | 4 26 |
| W30 | 15 19 | 24 29 | 2 42 | 20 52 | 1 54 | 12 17 | 1 28 | 2 30 | 0 33 | 6 55 | 1 28 | 15 0 | 2 3 | 16 3 | 0 18 | 14 54 | 0 31 | 8 12 | 16 51 | 13 39 | 13 49 | 15 35 | 16 40 | 4 26 |
| T 31 | 15s 0 | 26s44 | 3s33 | 20s30 | 1s57 | 11s49 | 1s28 | 2s11 | 0s32 | 6s54 | 1n28 | 15n 1 | 2s 3 | 16n 3 | 0s18 | 14s53 | 0s31 | 8s11 | 16s50 | 13n38 | 13n48 | 15s38 | 16n40 | 4s26 |

Julian Day Number = 2215241.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°42'57, Lahiri = 14°49'57 Julian Calendar 1 Jan. 1353 == Greg. Calendar 9 Jan. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## FEBRUARY 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 16 27 | 20♒33'37 | 3♉ 8 | 8♒32 | 4♓12 | 26♓30 | 21°R 7 | 17♉ 5 | 14♉51 | 21♒30 | 18♈50 | 6°R 5 | 6♉39 | 11♏19 | 4°D 0 | F 1 |
| S 2 | 9 20 23 | 21°34'07 | 15°52 | 10°12 | 5°27 | 27°16 | 21♎ 6 | 17° 8 | 14°51 | 21°32 | 18°50 | 5♉56 | 6°36 | 11°26 | 4♊ 0 | S 2 |
| S 3 | 9 24 20 | 22°34'36 | 28°58 | 11°53 | 6°42 | 28° 1 | 21° 4 | 17°11 | 14°52 | 21°34 | 18°51 | 5°45 | 6°32 | 11°32 | 4° 0 | S 3 |
| M 4 | 9 28 16 | 23°35'03 | 12♒25 | 13°35 | 7°57 | 28°46 | 21° 3 | 17°13 | 14°54 | 21°36 | 18°52 | 5°33 | 6°29 | 11°39 | 4° 0 | M 4 |
| T 5 | 9 32 13 | 24°35'28 | 26°11 | 15°17 | 9°12 | 29°31 | 21° 2 | 17°16 | 14°55 | 21°39 | 18°53 | 5°21 | 6°26 | 11°46 | 4° 0 | T 5 |
| W 6 | 9 36 10 | 25°35'51 | 10♓13 | 17° 1 | 10°26 | 0♈16 | 21° 0 | 17°19 | 14°56 | 21°41 | 18°54 | 5°10 | 6°23 | 11°52 | 4° 0 | W 6 |
| T 7 | 9 40 6 | 26°36'13 | 24°24 | 18°46 | 11°41 | 1° 1 | 20°58 | 17°22 | 14°57 | 21°43 | 18°55 | 5° 2 | 6°20 | 11°59 | 4° 1 | T 7 |
| F 8 | 9 44 3 | 27°36'33 | 8♈42 | 20°31 | 12°56 | 1°47 | 20°56 | 17°26 | 14°58 | 21°46 | 18°56 | 4°57 | 6°17 | 12° 5 | 4° 1 | F 8 |
| S 9 | 9 47 59 | 28°36'50 | 23° 0 | 22°18 | 14°11 | 2°32 | 20°54 | 17°29 | 15° 0 | 21°48 | 18°57 | 4°54 | 6°13 | 12°12 | 4° 2 | S 9 |
| S 10 | 9 51 56 | 29°37'06 | 7♉15 | 24° 6 | 15°25 | 3°17 | 20°51 | 17°32 | 15° 1 | 21°50 | 18°58 | 4°D54 | 6°10 | 12°19 | 4° 3 | S 10 |
| M11 | 9 55 52 | 0♓37'20 | 21°25 | 25°54 | 16°40 | 4° 1 | 20°48 | 17°36 | 15° 2 | 21°52 | 18°59 | 4°54 | 6° 7 | 12°25 | 4° 3 | M11 |
| T 12 | 9 59 49 | 1°37'32 | 5♊30 | 27°44 | 17°55 | 4°46 | 20°46 | 17°39 | 15° 4 | 21°55 | 19° 0 | 4°R54 | 6° 4 | 12°32 | 4° 4 | T 12 |
| W13 | 10 3 45 | 2°37'41 | 19°27 | 29°34 | 19° 9 | 5°31 | 20°43 | 17°43 | 15° 5 | 21°57 | 19° 1 | 4°53 | 6° 1 | 12°39 | 4° 5 | W13 |
| T 14 | 10 7 42 | 3°37'49 | 3♋17 | 1♓26 | 20°24 | 6°16 | 20°39 | 17°47 | 15° 7 | 21°59 | 19° 2 | 4°49 | 5°57 | 12°45 | 4° 6 | T 14 |
| F 15 | 10 11 39 | 4°37'54 | 16°58 | 3°19 | 21°38 | 7° 1 | 20°36 | 17°51 | 15° 9 | 22° 1 | 19° 3 | 4°43 | 5°54 | 12°52 | 4° 7 | F 15 |
| S 16 | 10 15 35 | 5°37'57 | 0♌30 | 5°12 | 22°53 | 7°45 | 20°33 | 17°55 | 15°10 | 22° 4 | 19° 4 | 4°35 | 5°51 | 12°59 | 4° 8 | S 16 |
| S 17 | 10 19 32 | 6°37'58 | 13°51 | 7° 7 | 24° 7 | 8°30 | 20°29 | 17°59 | 15°12 | 22° 6 | 19° 5 | 4°25 | 5°48 | 13° 5 | 4° 9 | S 17 |
| M18 | 10 23 28 | 7°37'57 | 26°59 | 9° 2 | 25°22 | 9°15 | 20°25 | 18° 3 | 15°14 | 22° 8 | 19° 6 | 4°15 | 5°45 | 13°12 | 4°11 | M18 |
| T 19 | 10 27 25 | 8°37'54 | 9♍52 | 10°59 | 26°36 | 9°59 | 20°21 | 18° 7 | 15°15 | 22°10 | 19° 7 | 4° 5 | 5°42 | 13°19 | 4°12 | T 19 |
| W20 | 10 31 21 | 9°37'49 | 22°30 | 12°55 | 27°51 | 10°44 | 20°17 | 18°12 | 15°17 | 22°12 | 19° 8 | 3°56 | 5°38 | 13°25 | 4°13 | W20 |
| T 21 | 10 35 18 | 10°37'42 | 4♎54 | 14°53 | 29° 5 | 11°28 | 20°12 | 18°16 | 15°19 | 22°15 | 19° 9 | 3°50 | 5°35 | 13°32 | 4°15 | T 21 |
| F 22 | 10 39 14 | 11°37'33 | 17° 4 | 16°51 | 0♈19 | 12°13 | 20° 8 | 18°21 | 15°21 | 22°17 | 19°10 | 3°46 | 5°32 | 13°39 | 4°16 | F 22 |
| S 23 | 10 43 11 | 12°37'22 | 29° 3 | 18°49 | 1°33 | 12°57 | 20° 3 | 18°25 | 15°23 | 22°19 | 19°11 | 3°D44 | 5°29 | 13°45 | 4°18 | S 23 |
| S 24 | 10 47 8 | 13°37'10 | 10♏54 | 20°48 | 2°48 | 13°41 | 19°58 | 18°30 | 15°25 | 22°21 | 19°13 | 3°45 | 5°26 | 13°52 | 4°20 | S 24 |
| M25 | 10 51 4 | 14°36'56 | 22°42 | 22°46 | 4° 2 | 14°26 | 19°53 | 18°35 | 15°27 | 22°23 | 19°14 | 3°46 | 5°23 | 13°58 | 4°21 | M25 |
| T 26 | 10 55 1 | 15°36'40 | 4♐31 | 24°44 | 5°16 | 15°10 | 19°48 | 18°39 | 15°29 | 22°25 | 19°15 | 3°47 | 5°19 | 14° 5 | 4°23 | T 26 |
| W27 | 10 58 57 | 16°36'22 | 16°27 | 26°41 | 6°30 | 15°54 | 19°43 | 18°44 | 15°31 | 22°28 | 19°16 | 3°R48 | 5°16 | 14°12 | 4°25 | W27 |
| T 28 | 11 2 54 | 17♓36'03 | 28♐35 | 28♓38 | 7♈44 | 16♈38 | 19♎38 | 18♉49 | 15♉33 | 22♒30 | 19♈17 | 3♉47 | 5♉13 | 14♏18 | 4♊27 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 14s41 | 27s43 | 4s14 | 20s 7 | 2s 0 | 11s22 | 1s28 | 1s52 | 0s31 | 6s54 | 1n29 | 15n 2 | 2s 3 | 16n 4 | 0s18 | 14s53 | 0s31 | 8s11 | 16s50 | 13n36 | 13n47 | 15s41 | 16n40 | 4s26 | F 1 |
| S 2 | 14 22 | 27 16 | 4 44 | 19 42 | 2 2 | 10 54 | 1 27 | 1 33 | 0 30 | 6 53 | 1 29 | 15 3 | 2 3 | 16 4 | 0 18 | 14 52 | 0 31 | 8 10 | 16 50 | 13 33 | 13 46 | 15 44 | 16 40 | 4 26 | S 2 |
| S 3 | 14 2 | 25 19 | 4 59 | 19 16 | 2 3 | 10 26 | 1 27 | 1 15 | 0 29 | 6 53 | 1 29 | 15 4 | 2 2 | 16 4 | 0 18 | 14 51 | 0 31 | 8 9 | 16 49 | 13 29 | 13 45 | 15 47 | 16 41 | 4 25 | S 3 |
| M 4 | 13 42 | 21 55 | 4 59 | 18 48 | 2 5 | 9 57 | 1 26 | 0 56 | 0 29 | 6 52 | 1 29 | 15 5 | 2 2 | 16 5 | 0 18 | 14 50 | 0 31 | 8 9 | 16 49 | 13 25 | 13 44 | 15 49 | 16 41 | 4 25 | M 4 |
| T 5 | 13 22 | 17 15 | 4 42 | 18 19 | 2 6 | 9 28 | 1 25 | 0 37 | 0 28 | 6 51 | 1 29 | 15 6 | 2 2 | 16 5 | 0 18 | 14 50 | 0 31 | 8 8 | 16 49 | 13 21 | 13 43 | 15 52 | 16 41 | 4 25 | T 5 |
| W 6 | 13 2 | 11 35 | 4 8 | 17 48 | 2 6 | 8 59 | 1 25 | 0 18 | 0 27 | 6 50 | 1 30 | 15 7 | 2 1 | 16 5 | 0 18 | 14 49 | 0 31 | 8 8 | 16 49 | 13 18 | 13 42 | 15 55 | 16 42 | 4 25 | W 6 |
| T 7 | 12 42 | 5 15 | 3 18 | 17 15 | 2 6 | 8 30 | 1 24 | 0n 0 | 0 26 | 6 49 | 1 30 | 15 9 | 2 1 | 16 6 | 0 18 | 14 48 | 0 31 | 8 7 | 16 48 | 13 15 | 13 41 | 15 58 | 16 42 | 4 24 | T 7 |
| F 8 | 12 21 | 1n24 | 2 15 | 16 41 | 2 6 | 8 0 | 1 23 | 0 19 | 0 26 | 6 48 | 1 30 | 15 10 | 2 1 | 16 6 | 0 18 | 14 47 | 0 31 | 8 6 | 16 48 | 13 13 | 13 40 | 16 1 | 16 42 | 4 24 | F 8 |
| S 9 | 12 0 | 8 0 | 1 3 | 16 6 | 2 5 | 7 31 | 1 22 | 0 38 | 0 25 | 6 47 | 1 30 | 15 11 | 2 1 | 16 6 | 0 18 | 14 47 | 0 31 | 8 6 | 16 48 | 13 12 | 13 39 | 16 4 | 16 42 | 4 24 | S 9 |
| S 10 | 11 39 | 14 11 | 0n13 | 15 29 | 2 4 | 7 1 | 1 21 | 0 56 | 0 24 | 6 46 | 1 31 | 15 12 | 2 0 | 16 7 | 0 18 | 14 46 | 0 31 | 8 5 | 16 47 | 13 12 | 13 38 | 16 7 | 16 43 | 4 24 | S 10 |
| M11 | 11 18 | 19 35 | 1 27 | 14 51 | 2 2 | 6 31 | 1 20 | 1 15 | 0 23 | 6 45 | 1 31 | 15 13 | 2 0 | 16 7 | 0 18 | 14 45 | 0 31 | 8 5 | 16 47 | 13 12 | 13 36 | 16 10 | 16 43 | 4 23 | M11 |
| T 12 | 10 56 | 23 51 | 2 36 | 14 11 | 2 0 | 6 0 | 1 19 | 1 33 | 0 23 | 6 44 | 1 31 | 15 15 | 2 0 | 16 8 | 0 18 | 14 45 | 0 31 | 8 4 | 16 47 | 13 12 | 13 35 | 16 13 | 16 44 | 4 23 | T 12 |
| W13 | 10 34 | 26 40 | 3 34 | 13 29 | 1 57 | 5 30 | 1 18 | 1 52 | 0 22 | 6 42 | 1 31 | 15 16 | 2 0 | 16 8 | 0 18 | 14 44 | 0 31 | 8 3 | 16 47 | 13 12 | 13 34 | 16 15 | 16 44 | 4 23 | W13 |
| T 14 | 10 13 | 27 49 | 4 20 | 12 46 | 1 54 | 5 0 | 1 17 | 2 10 | 0 21 | 6 41 | 1 31 | 15 17 | 1 59 | 16 9 | 0 18 | 14 43 | 0 31 | 8 3 | 16 46 | 13 11 | 13 33 | 16 18 | 16 44 | 4 23 | T 14 |
| F 15 | 9 51 | 27 14 | 4 50 | 12 2 | 1 50 | 4 29 | 1 15 | 2 29 | 0 20 | 6 39 | 1 32 | 15 18 | 1 59 | 16 9 | 0 18 | 14 42 | 0 31 | 8 2 | 16 46 | 13 8 | 13 32 | 16 21 | 16 45 | 4 22 | F 15 |
| S 16 | 9 29 | 25 3 | 5 4 | 11 16 | 1 46 | 3 58 | 1 14 | 2 47 | 0 20 | 6 38 | 1 32 | 15 20 | 1 59 | 16 10 | 0 18 | 14 42 | 0 31 | 8 2 | 16 46 | 13 6 | 13 31 | 16 24 | 16 45 | 4 22 | S 16 |
| S 17 | 9 7 | 21 31 | 5 0 | 10 29 | 1 41 | 3 27 | 1 13 | 3 6 | 0 19 | 6 36 | 1 32 | 15 21 | 1 58 | 16 10 | 0 18 | 14 41 | 0 31 | 8 1 | 16 46 | 13 2 | 13 30 | 16 27 | 16 46 | 4 22 | S 17 |
| M18 | 8 44 | 16 58 | 4 41 | 9 41 | 1 35 | 2 56 | 1 11 | 3 24 | 0 18 | 6 35 | 1 32 | 15 23 | 1 58 | 16 11 | 0 18 | 14 40 | 0 31 | 8 0 | 16 45 | 12 59 | 13 29 | 16 30 | 16 46 | 4 22 | M18 |
| T 19 | 8 22 | 11 43 | 4 8 | 8 51 | 1 29 | 2 25 | 1 10 | 3 42 | 0 17 | 6 33 | 1 33 | 15 24 | 1 58 | 16 11 | 0 18 | 14 40 | 0 31 | 8 0 | 16 45 | 12 55 | 13 28 | 16 33 | 16 47 | 4 22 | T 19 |
| W20 | 7 59 | 6 5 | 3 23 | 8 0 | 1 23 | 1 54 | 1 8 | 4 0 | 0 17 | 6 31 | 1 33 | 15 25 | 1 58 | 16 12 | 0 18 | 14 39 | 0 31 | 7 59 | 16 45 | 12 53 | 13 27 | 16 35 | 16 47 | 4 21 | W20 |
| T 21 | 7 36 | 0 19 | 2 29 | 7 8 | 1 15 | 1 23 | 1 6 | 4 18 | 0 16 | 6 29 | 1 33 | 15 27 | 1 57 | 16 12 | 0 18 | 14 38 | 0 31 | 7 59 | 16 45 | 12 50 | 13 26 | 16 38 | 16 48 | 4 21 | T 21 |
| F 22 | 7 14 | 5s22 | 1 29 | 6 15 | 1 8 | 0 52 | 1 5 | 4 36 | 0 15 | 6 28 | 1 33 | 15 28 | 1 57 | 16 13 | 0 18 | 14 38 | 0 31 | 7 58 | 16 44 | 12 49 | 13 25 | 16 41 | 16 48 | 4 21 | F 22 |
| S 23 | 6 51 | 10 47 | 0 25 | 5 21 | 0 59 | 0 20 | 1 3 | 4 55 | 0 15 | 6 26 | 1 33 | 15 30 | 1 57 | 16 14 | 0 18 | 14 37 | 0 31 | 7 57 | 16 44 | 12 49 | 13 24 | 16 44 | 16 49 | 4 21 | S 23 |
| S 24 | 6 28 | 15 46 | 0s39 | 4 26 | 0 50 | 0n11 | 1 1 | 5 12 | 0 14 | 6 24 | 1 33 | 15 31 | 1 57 | 16 14 | 0 17 | 14 36 | 0 31 | 7 57 | 16 44 | 12 49 | 13 23 | 16 47 | 16 49 | 4 20 | S 24 |
| M25 | 6 5 | 20 8 | 1 41 | 3 30 | 0 41 | 0 42 | 0 59 | 5 30 | 0 13 | 6 22 | 1 34 | 15 33 | 1 56 | 16 15 | 0 17 | 14 35 | 0 31 | 7 56 | 16 44 | 12 49 | 13 22 | 16 50 | 16 50 | 4 20 | M25 |
| T 26 | 5 42 | 23 43 | 2 39 | 2 34 | 0 31 | 1 13 | 0 57 | 5 48 | 0 12 | 6 20 | 1 34 | 15 35 | 1 56 | 16 15 | 0 17 | 14 35 | 0 31 | 7 55 | 16 44 | 12 49 | 13 21 | 16 52 | 16 50 | 4 20 | T 26 |
| W27 | 5 18 | 26 19 | 3 30 | 1 38 | 0 20 | 1 45 | 0 55 | 6 6 | 0 12 | 6 17 | 1 34 | 15 36 | 1 56 | 16 16 | 0 17 | 14 34 | 0 31 | 7 55 | 16 43 | 12 50 | 13 20 | 16 55 | 16 51 | 4 20 | W27 |
| T 28 | 4s55 | 27s44 | 4s13 | 0s41 | 0s 9 | 2n16 | 0s53 | 6n24 | 0s11 | 6s15 | 1n34 | 15n38 | 1s56 | 16n17 | 0s17 | 14s33 | 0s31 | 7s54 | 16s43 | 12n49 | 13n18 | 16s58 | 16n51 | 4s19 | T 28 |

Julian Day Number = 2215272.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'01, Lahiri = 14°50'02 Julian Calendar 1 Feb. 1353 == Greg. Calendar 9 Feb. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## MARCH 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 6 50 | 18♓35'42 | 10♋59 | 0♈33 | 8♈59 | 17♈22 | 19°R32 | 18♉54 | 15♉36 | 22♒32 | 19♈18 | 3°R44 | 5♉10 | 14♏25 | 4♊29 | F 1 |
| S 2 | 11 10 47 | 19°35'19 | 23°44 | 2°26 | 10°13 | 18° 6 | 19♎26 | 19° 0 | 15°38 | 22°34 | 19°20 | 3♉40 | 5° 7 | 14°32 | 4°31 | S 2 |
| S 3 | 11 14 43 | 20°34'55 | 6♒54 | 4°17 | 11°27 | 18°50 | 19°20 | 19° 5 | 15°40 | 22°36 | 19°21 | 3°34 | 5° 3 | 14°38 | 4°33 | S 3 |
| M 4 | 11 18 40 | 21°34'28 | 20°28 | 6° 6 | 12°41 | 19°34 | 19°14 | 19°10 | 15°42 | 22°38 | 19°22 | 3°27 | 5° 0 | 14°45 | 4°36 | M 4 |
| T 5 | 11 22 37 | 22°34'00 | 4♓27 | 7°51 | 13°55 | 20°18 | 19° 8 | 19°16 | 15°45 | 22°40 | 19°23 | 3°20 | 4°57 | 14°52 | 4°38 | T 5 |
| W 6 | 11 26 33 | 23°33'29 | 18°47 | 9°33 | 15° 9 | 21° 2 | 19° 2 | 19°21 | 15°47 | 22°42 | 19°25 | 3°14 | 4°54 | 14°58 | 4°40 | W 6 |
| T 7 | 11 30 30 | 24°32'56 | 3♈21 | 11°11 | 16°22 | 21°46 | 18°56 | 19°27 | 15°50 | 22°44 | 19°26 | 3°10 | 4°51 | 15° 5 | 4°43 | T 7 |
| F 8 | 11 34 26 | 25°32'22 | 18° 4 | 12°45 | 17°36 | 22°30 | 18°49 | 19°32 | 15°52 | 22°46 | 19°27 | 3° 7 | 4°48 | 15°12 | 4°45 | F 8 |
| S 9 | 11 38 23 | 26°31'45 | 2♉49 | 14°14 | 18°50 | 23°14 | 18°43 | 19°38 | 15°55 | 22°48 | 19°29 | 3°D 6 | 4°44 | 15°18 | 4°48 | S 9 |
| S 10 | 11 42 19 | 27°31'06 | 17°27 | 15°38 | 20° 4 | 23°57 | 18°36 | 19°44 | 15°57 | 22°50 | 19°30 | 3° 7 | 4°41 | 15°25 | 4°51 | S 10 |
| M11 | 11 46 16 | 28°30'25 | 1♊56 | 16°57 | 21°18 | 24°41 | 18°29 | 19°49 | 16° 0 | 22°52 | 19°31 | 3° 8 | 4°38 | 15°32 | 4°53 | M11 |
| T 12 | 11 50 12 | 29°29'41 | 16°11 | 18°10 | 22°31 | 25°25 | 18°23 | 19°55 | 16° 2 | 22°54 | 19°33 | 3° 9 | 4°35 | 15°38 | 4°56 | T 12 |
| W13 | 11 54 9 | 0♈28'55 | 0♋10 | 19°17 | 23°45 | 26° 8 | 18°16 | 20° 1 | 16° 5 | 22°56 | 19°34 | 3°R10 | 4°32 | 15°45 | 4°59 | W13 |
| T 14 | 11 58 6 | 1°28'07 | 13°54 | 20°17 | 24°59 | 26°52 | 18° 9 | 20° 7 | 16° 8 | 22°58 | 19°35 | 3° 9 | 4°29 | 15°51 | 5° 2 | T 14 |
| F 15 | 12 2 2 | 2°27'16 | 27°22 | 21°11 | 26°12 | 27°35 | 18° 1 | 20°13 | 16°11 | 23° 0 | 19°36 | 3° 7 | 4°25 | 15°58 | 5° 5 | F 15 |
| S 16 | 12 5 59 | 3°26'23 | 10♌35 | 21°58 | 27°26 | 28°19 | 17°54 | 20°20 | 16°13 | 23° 1 | 19°38 | 3° 4 | 4°22 | 16° 5 | 5° 8 | S 16 |
| S 17 | 12 9 55 | 4°25'27 | 23°34 | 22°39 | 28°39 | 29° 2 | 17°47 | 20°26 | 16°16 | 23° 3 | 19°39 | 2°59 | 4°19 | 16°11 | 5°11 | S 17 |
| M18 | 12 13 52 | 5°24'29 | 6♍19 | 23°12 | 29°53 | 29°45 | 17°40 | 20°32 | 16°19 | 23° 5 | 19°41 | 2°55 | 4°16 | 16°18 | 5°14 | M18 |
| T 19 | 12 17 48 | 6°23'29 | 18°52 | 23°39 | 1♉ 6 | 0♉29 | 17°32 | 20°38 | 16°22 | 23° 7 | 19°42 | 2°50 | 4°13 | 16°25 | 5°17 | T 19 |
| W20 | 12 21 45 | 7°22'27 | 1♎13 | 23°58 | 2°19 | 1°12 | 17°25 | 20°45 | 16°25 | 23° 9 | 19°43 | 2°47 | 4° 9 | 16°31 | 5°21 | W20 |
| T 21 | 12 25 41 | 8°21'23 | 13°24 | 24°11 | 3°33 | 1°55 | 17°17 | 20°51 | 16°27 | 23°10 | 19°45 | 2°44 | 4° 6 | 16°38 | 5°24 | T 21 |
| F 22 | 12 29 38 | 9°20'17 | 25°25 | 24°R17 | 4°46 | 2°38 | 17°10 | 20°58 | 16°30 | 23°12 | 19°46 | 2°43 | 4° 3 | 16°45 | 5°27 | F 22 |
| S 23 | 12 33 34 | 10°19'09 | 7♏19 | 24°16 | 5°59 | 3°21 | 17° 2 | 21° 4 | 16°33 | 23°14 | 19°47 | 2°D43 | 4° 0 | 16°51 | 5°31 | S 23 |
| S 24 | 12 37 31 | 11°17'58 | 19° 8 | 24° 9 | 7°12 | 4° 4 | 16°55 | 21°11 | 16°36 | 23°15 | 19°49 | 2°44 | 3°57 | 16°58 | 5°34 | S 24 |
| M25 | 12 41 28 | 12°16'47 | 0♐56 | 23°56 | 8°25 | 4°47 | 16°47 | 21°18 | 16°39 | 23°17 | 19°50 | 2°45 | 3°54 | 17° 5 | 5°38 | M25 |
| T 26 | 12 45 24 | 13°15'33 | 12°46 | 23°37 | 9°38 | 5°30 | 16°40 | 21°24 | 16°42 | 23°19 | 19°52 | 2°47 | 3°50 | 17°11 | 5°41 | T 26 |
| W27 | 12 49 21 | 14°14'17 | 24°42 | 23°13 | 10°51 | 6°13 | 16°32 | 21°31 | 16°45 | 23°20 | 19°53 | 2°48 | 3°47 | 17°18 | 5°45 | W27 |
| T 28 | 12 53 17 | 15°13'00 | 6♑49 | 22°44 | 12° 4 | 6°56 | 16°24 | 21°38 | 16°48 | 23°22 | 19°54 | 2°49 | 3°44 | 17°25 | 5°49 | T 28 |
| F 29 | 12 57 14 | 16°11'41 | 19°11 | 22°11 | 13°17 | 7°39 | 16°16 | 21°45 | 16°52 | 23°24 | 19°56 | 2°R49 | 3°41 | 17°31 | 5°52 | F 29 |
| S 30 | 13 1 10 | 17°10'21 | 1♒53 | 21°35 | 14°30 | 8°21 | 16° 9 | 21°52 | 16°55 | 23°25 | 19°57 | 2°49 | 3°38 | 17°38 | 5°56 | S 30 |
| S 31 | 13 5 7 | 18♈ 8'58 | 14♒59 | 20♈55 | 15♉43 | 9♉ 4 | 16♎ 1 | 21♉58 | 16♉58 | 23♒27 | 19♈58 | 2♉47 | 3♉35 | 17♏44 | 6♊ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s32 | 27s49 | 4s46 | 0n15 | 0n 2 | 2n47 | 0s51 | 6n41 | 0s10 | 6s13 | 1n34 | 15n39 | 1s56 | 16n17 | 0s17 | 14s33 | 0s31 | 7s54 | 16s43 | 12n49 | 13n17 | 17s 1 | 16n52 | 4s19 |
| S 2 | 4 8 | 26 26 | 5 5 | 1 11 | 0 14 | 3 18 | 0 49 | 6 59 | 0 10 | 6 11 | 1 34 | 15 41 | 1 55 | 16 18 | 0 17 | 14 32 | 0 31 | 7 53 | 16 43 | 12 47 | 13 16 | 17 4 | 16 53 | 4 19 |
| S 3 | 3 45 | 23 35 | 5 9 | 2 6 | 0 26 | 3 49 | 0 47 | 7 16 | 0 9 | 6 8 | 1 35 | 15 43 | 1 55 | 16 19 | 0 17 | 14 31 | 0 31 | 7 52 | 16 43 | 12 45 | 13 15 | 17 6 | 16 53 | 4 19 |
| M 4 | 3 21 | 19 23 | 4 56 | 3 1 | 0 38 | 4 20 | 0 45 | 7 34 | 0 8 | 6 6 | 1 35 | 15 44 | 1 55 | 16 20 | 0 17 | 14 31 | 0 31 | 7 52 | 16 42 | 12 43 | 13 14 | 17 9 | 16 54 | 4 19 |
| T 5 | 2 58 | 14 1 | 4 25 | 3 54 | 0 51 | 4 51 | 0 43 | 7 51 | 0 7 | 6 3 | 1 35 | 15 46 | 1 55 | 16 20 | 0 17 | 14 30 | 0 31 | 7 51 | 16 42 | 12 40 | 13 13 | 17 12 | 16 54 | 4 18 |
| W 6 | 2 34 | 7 47 | 3 38 | 4 46 | 1 3 | 5 22 | 0 40 | 8 8 | 0 7 | 6 1 | 1 35 | 15 48 | 1 54 | 16 21 | 0 17 | 14 29 | 0 31 | 7 50 | 16 42 | 12 38 | 13 12 | 17 15 | 16 55 | 4 18 |
| T 7 | 2 10 | 1 2 | 2 35 | 5 36 | 1 16 | 5 53 | 0 38 | 8 25 | 0 6 | 5 58 | 1 35 | 15 49 | 1 54 | 16 22 | 0 17 | 14 29 | 0 31 | 7 50 | 16 42 | 12 37 | 13 11 | 17 18 | 16 56 | 4 18 |
| F 8 | 1 47 | 5n52 | 1 21 | 6 24 | 1 28 | 6 23 | 0 36 | 8 42 | 0 5 | 5 56 | 1 35 | 15 51 | 1 54 | 16 22 | 0 17 | 14 28 | 0 31 | 7 49 | 16 42 | 12 36 | 13 10 | 17 20 | 16 56 | 4 18 |
| S 9 | 1 23 | 12 28 | 0 2 | 7 10 | 1 40 | 6 54 | 0 33 | 8 59 | 0 5 | 5 53 | 1 35 | 15 53 | 1 54 | 16 23 | 0 17 | 14 28 | 0 31 | 7 49 | 16 42 | 12 35 | 13 9 | 17 23 | 16 57 | 4 18 |
| S 10 | 0 59 | 18 21 | 1n18 | 7 54 | 1 52 | 7 24 | 0 31 | 9 16 | 0 4 | 5 51 | 1 35 | 15 55 | 1 54 | 16 24 | 0 17 | 14 27 | 0 31 | 7 48 | 16 41 | 12 36 | 13 8 | 17 26 | 16 58 | 4 17 |
| M11 | 0 36 | 23 5 | 2 31 | 8 35 | 2 4 | 7 54 | 0 28 | 9 33 | 0 3 | 5 48 | 1 36 | 15 56 | 1 53 | 16 25 | 0 17 | 14 26 | 0 31 | 7 47 | 16 41 | 12 36 | 13 7 | 17 29 | 16 58 | 4 17 |
| T 12 | 0 12 | 26 21 | 3 34 | 9 13 | 2 14 | 8 24 | 0 26 | 9 49 | 0 3 | 5 45 | 1 36 | 15 58 | 1 53 | 16 25 | 0 17 | 14 26 | 0 31 | 7 47 | 16 41 | 12 37 | 13 6 | 17 32 | 16 59 | 4 17 |
| W13 | 0n12 | 27 54 | 4 23 | 9 48 | 2 25 | 8 53 | 0 23 | 10 6 | 0 2 | 5 43 | 1 36 | 16 0 | 1 53 | 16 26 | 0 17 | 14 25 | 0 31 | 7 46 | 16 41 | 12 37 | 13 5 | 17 34 | 17 0 | 4 17 |
| T 14 | 0 35 | 27 42 | 4 55 | 10 20 | 2 34 | 9 23 | 0 21 | 10 22 | 0 1 | 5 40 | 1 36 | 16 2 | 1 53 | 16 27 | 0 17 | 14 24 | 0 31 | 7 46 | 16 41 | 12 37 | 13 4 | 17 37 | 17 0 | 4 17 |
| F 15 | 0 59 | 25 51 | 5 11 | 10 49 | 2 43 | 9 52 | 0 18 | 10 39 | 0 0 | 5 37 | 1 36 | 16 4 | 1 52 | 16 28 | 0 17 | 14 24 | 0 32 | 7 45 | 16 41 | 12 36 | 13 2 | 17 40 | 17 1 | 4 16 |
| S 16 | 1 22 | 22 37 | 5 10 | 11 14 | 2 51 | 10 21 | 0 15 | 10 55 | 0n 0 | 5 34 | 1 36 | 16 5 | 1 52 | 16 29 | 0 17 | 14 23 | 0 32 | 7 44 | 16 41 | 12 35 | 13 1 | 17 43 | 17 2 | 4 16 |
| S 17 | 1 46 | 18 19 | 4 53 | 11 35 | 2 58 | 10 50 | 0 13 | 11 11 | 0 1 | 5 31 | 1 36 | 16 7 | 1 52 | 16 29 | 0 17 | 14 23 | 0 32 | 7 44 | 16 41 | 12 33 | 13 0 | 17 45 | 17 3 | 4 16 |
| M18 | 2 9 | 13 16 | 4 22 | 11 53 | 3 4 | 11 19 | 0 10 | 11 27 | 0 2 | 5 29 | 1 36 | 16 9 | 1 52 | 16 30 | 0 17 | 14 22 | 0 32 | 7 43 | 16 41 | 12 32 | 12 59 | 17 48 | 17 3 | 4 16 |
| T 19 | 2 33 | 7 45 | 3 38 | 12 8 | 3 8 | 11 47 | 0 7 | 11 43 | 0 2 | 5 26 | 1 36 | 16 11 | 1 52 | 16 31 | 0 17 | 14 22 | 0 32 | 7 43 | 16 40 | 12 30 | 12 58 | 17 51 | 17 4 | 4 16 |
| W20 | 2 56 | 2 2 | 2 45 | 12 18 | 3 12 | 12 15 | 0 5 | 11 59 | 0 3 | 5 23 | 1 36 | 16 13 | 1 52 | 16 32 | 0 17 | 14 21 | 0 32 | 7 42 | 16 40 | 12 29 | 12 57 | 17 54 | 17 5 | 4 15 |
| T 21 | 3 20 | 3s42 | 1 44 | 12 25 | 3 14 | 12 43 | 0 2 | 12 14 | 0 4 | 5 20 | 1 36 | 16 15 | 1 51 | 16 33 | 0 17 | 14 20 | 0 32 | 7 42 | 16 40 | 12 28 | 12 56 | 17 56 | 17 5 | 4 15 |
| F 22 | 3 43 | 9 15 | 0 40 | 12 28 | 3 15 | 13 10 | 0n 1 | 12 30 | 0 4 | 5 17 | 1 36 | 16 16 | 1 51 | 16 34 | 0 17 | 14 20 | 0 32 | 7 41 | 16 40 | 12 27 | 12 55 | 17 59 | 17 6 | 4 15 |
| S 23 | 4 6 | 14 24 | 0s25 | 12 27 | 3 14 | 13 37 | 0 4 | 12 45 | 0 5 | 5 14 | 1 36 | 16 18 | 1 51 | 16 35 | 0 17 | 14 19 | 0 32 | 7 40 | 16 40 | 12 27 | 12 54 | 18 2 | 17 7 | 4 15 |
| S 24 | 4 29 | 19 0 | 1 29 | 12 22 | 3 12 | 14 4 | 0 7 | 13 0 | 0 6 | 5 11 | 1 36 | 16 20 | 1 51 | 16 35 | 0 17 | 14 19 | 0 32 | 7 40 | 16 40 | 12 28 | 12 53 | 18 5 | 17 8 | 4 15 |
| M25 | 4 52 | 22 51 | 2 30 | 12 14 | 3 8 | 14 31 | 0 9 | 13 16 | 0 6 | 5 8 | 1 36 | 16 22 | 1 51 | 16 36 | 0 17 | 14 18 | 0 32 | 7 39 | 16 40 | 12 28 | 12 52 | 18 7 | 17 8 | 4 15 |
| T 26 | 5 15 | 25 46 | 3 24 | 12 2 | 3 3 | 14 57 | 0 12 | 13 31 | 0 7 | 5 5 | 1 36 | 16 24 | 1 50 | 16 37 | 0 17 | 14 18 | 0 32 | 7 39 | 16 40 | 12 29 | 12 51 | 18 10 | 17 9 | 4 15 |
| W27 | 5 38 | 27 34 | 4 9 | 11 47 | 2 56 | 15 23 | 0 15 | 13 45 | 0 7 | 5 2 | 1 36 | 16 26 | 1 50 | 16 38 | 0 17 | 14 17 | 0 32 | 7 38 | 16 40 | 12 29 | 12 49 | 18 13 | 17 10 | 4 14 |
| T 28 | 6 1 | 28 5 | 4 45 | 11 28 | 2 48 | 15 48 | 0 18 | 14 0 | 0 8 | 4 59 | 1 36 | 16 28 | 1 50 | 16 39 | 0 17 | 14 17 | 0 32 | 7 38 | 16 40 | 12 30 | 12 48 | 18 16 | 17 11 | 4 14 |
| F 29 | 6 23 | 27 13 | 5 8 | 11 7 | 2 38 | 16 13 | 0 21 | 14 15 | 0 9 | 4 57 | 1 36 | 16 30 | 1 50 | 16 40 | 0 17 | 14 16 | 0 32 | 7 37 | 16 40 | 12 30 | 12 47 | 18 18 | 17 12 | 4 14 |
| S 30 | 6 46 | 24 57 | 5 16 | 10 43 | 2 27 | 16 37 | 0 24 | 14 29 | 0 9 | 4 54 | 1 36 | 16 32 | 1 50 | 16 41 | 0 17 | 14 16 | 0 32 | 7 37 | 16 40 | 12 29 | 12 46 | 18 21 | 17 12 | 4 14 |
| S 31 | 7n 9 | 21s19 | 5s 9 | 10n17 | 2n15 | 17n 2 | 0n27 | 14n44 | 0n10 | 4s51 | 1n36 | 16n34 | 1s50 | 16n42 | 0s17 | 14s15 | 0s32 | 7s36 | 16s40 | 12n29 | 12n45 | 18s24 | 17n13 | 4s14 |

Julian Day Number = 2215300.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'05, Lahiri = 14°50'05 Julian Calendar 1 March 1353 == Greg. Calendar 9 March 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## APRIL 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 9 3 | 19♈ 7'34 | 28♒31 | 20°R15 | 16♉56 | 9♉47 | 15°R53 | 22♉ 5 | 17♉ 1 | 23♒28 | 20♈ 0 | 2°R46 | 3♉31 | 17♏51 | 6♊ 4 | M 1 |
| T 2 | 13 13 0 | 20° 6'09 | 12♓30 | 19♈32 | 18° 8 | 10°29 | 15♎46 | 22°12 | 17° 4 | 23°30 | 20° 1 | 2♉44 | 3°28 | 17°58 | 6° 8 | T 2 |
| W 3 | 13 16 57 | 21° 4'41 | 26°54 | 18°50 | 19°21 | 11°12 | 15°38 | 22°20 | 17° 7 | 23°31 | 20° 3 | 2°43 | 3°25 | 18° 4 | 6°12 | W 3 |
| T 4 | 13 20 53 | 22° 3'12 | 11♈38 | 18° 8 | 20°34 | 11°54 | 15°30 | 22°27 | 17°11 | 23°32 | 20° 4 | 2°42 | 3°22 | 18°11 | 6°16 | T 4 |
| F 5 | 13 24 50 | 23° 1'40 | 26°37 | 17°27 | 21°46 | 12°37 | 15°23 | 22°34 | 17°14 | 23°34 | 20° 5 | 2°D41 | 3°19 | 18°18 | 6°20 | F 5 |
| S 6 | 13 28 46 | 24° 0'07 | 11♉41 | 16°48 | 22°59 | 13°19 | 15°15 | 22°41 | 17°17 | 23°35 | 20° 7 | 2°41 | 3°15 | 18°24 | 6°24 | S 6 |
| S 7 | 13 32 43 | 24°58'32 | 26°42 | 16°12 | 24°11 | 14° 2 | 15° 8 | 22°48 | 17°20 | 23°36 | 20° 8 | 2°42 | 3°12 | 18°31 | 6°28 | S 7 |
| M 8 | 13 36 39 | 25°56'55 | 11♊32 | 15°38 | 25°24 | 14°44 | 15° 0 | 22°56 | 17°24 | 23°38 | 20°10 | 2°42 | 3° 9 | 18°38 | 6°32 | M 8 |
| T 9 | 13 40 36 | 26°55'16 | 26° 5 | 15° 8 | 26°36 | 15°26 | 14°53 | 23° 3 | 17°27 | 23°39 | 20°11 | 2°43 | 3° 6 | 18°44 | 6°36 | T 9 |
| W10 | 13 44 32 | 27°53'35 | 10♋17 | 14°42 | 27°49 | 16° 8 | 14°46 | 23°10 | 17°30 | 23°40 | 20°12 | 2°43 | 3° 3 | 18°51 | 6°41 | W10 |
| T 11 | 13 48 29 | 28°51'52 | 24° 5 | 14°21 | 29° 1 | 16°51 | 14°38 | 23°18 | 17°34 | 23°41 | 20°14 | 2°R43 | 3° 0 | 18°58 | 6°45 | T 11 |
| F 12 | 13 52 26 | 29°50'06 | 7♌31 | 14° 4 | 0♊13 | 17°33 | 14°31 | 23°25 | 17°37 | 23°43 | 20°15 | 2°43 | 2°56 | 19° 4 | 6°49 | F 12 |
| S 13 | 13 56 22 | 0♉48'19 | 20°36 | 13°51 | 1°25 | 18°15 | 14°24 | 23°32 | 17°40 | 23°44 | 20°17 | 2°43 | 2°53 | 19°11 | 6°54 | S 13 |
| S 14 | 14 0 19 | 1°46'29 | 3♍23 | 13°43 | 2°37 | 18°57 | 14°17 | 23°40 | 17°44 | 23°45 | 20°18 | 2°43 | 2°50 | 19°18 | 6°58 | S 14 |
| M15 | 14 4 15 | 2°44'37 | 15°53 | 13°D40 | 3°49 | 19°39 | 14°10 | 23°47 | 17°47 | 23°46 | 20°19 | 2°D43 | 2°47 | 19°24 | 7° 3 | M15 |
| T 16 | 14 8 12 | 3°42'44 | 28°10 | 13°42 | 5° 1 | 20°21 | 14° 3 | 23°55 | 17°51 | 23°47 | 20°21 | 2°43 | 2°44 | 19°31 | 7° 7 | T 16 |
| W17 | 14 12 8 | 4°40'48 | 10♎17 | 13°48 | 6°13 | 21° 3 | 13°56 | 24° 2 | 17°54 | 23°48 | 20°22 | 2°43 | 2°40 | 19°38 | 7°12 | W17 |
| T 18 | 14 16 5 | 5°38'51 | 22°15 | 14° 0 | 7°25 | 21°45 | 13°49 | 24°10 | 17°57 | 23°49 | 20°23 | 2°43 | 2°37 | 19°44 | 7°16 | T 18 |
| F 19 | 14 20 1 | 6°36'52 | 4♏ 8 | 14°16 | 8°37 | 22°26 | 13°43 | 24°17 | 18° 1 | 23°50 | 20°25 | 2°R43 | 2°34 | 19°51 | 7°21 | F 19 |
| S 20 | 14 23 58 | 7°34'51 | 15°58 | 14°36 | 9°49 | 23° 8 | 13°36 | 24°25 | 18° 4 | 23°51 | 20°26 | 2°43 | 2°31 | 19°57 | 7°26 | S 20 |
| S 21 | 14 27 55 | 8°32'49 | 27°46 | 15° 1 | 11° 0 | 23°50 | 13°30 | 24°33 | 18° 8 | 23°52 | 20°27 | 2°43 | 2°28 | 20° 4 | 7°30 | S 21 |
| M22 | 14 31 51 | 9°30'45 | 9♐35 | 15°30 | 12°12 | 24°32 | 13°23 | 24°40 | 18°11 | 23°53 | 20°29 | 2°42 | 2°25 | 20°11 | 7°35 | M22 |
| T 23 | 14 35 48 | 10°28'40 | 21°28 | 16° 3 | 13°23 | 25°13 | 13°17 | 24°48 | 18°15 | 23°54 | 20°30 | 2°41 | 2°21 | 20°17 | 7°40 | T 23 |
| W24 | 14 39 44 | 11°26'34 | 3♑28 | 16°40 | 14°35 | 25°55 | 13°11 | 24°56 | 18°18 | 23°55 | 20°31 | 2°40 | 2°18 | 20°24 | 7°44 | W24 |
| T 25 | 14 43 41 | 12°24'26 | 15°37 | 17°21 | 15°46 | 26°36 | 13° 5 | 25° 3 | 18°22 | 23°55 | 20°33 | 2°39 | 2°15 | 20°31 | 7°49 | T 25 |
| F 26 | 14 47 37 | 13°22'17 | 28° 0 | 18° 6 | 16°57 | 27°18 | 12°59 | 25°11 | 18°25 | 23°56 | 20°34 | 2°38 | 2°12 | 20°37 | 7°54 | F 26 |
| S 27 | 14 51 34 | 14°20'06 | 10♒40 | 18°54 | 18° 9 | 27°59 | 12°54 | 25°19 | 18°29 | 23°57 | 20°35 | 2°D38 | 2° 9 | 20°44 | 7°59 | S 27 |
| S 28 | 14 55 30 | 15°17'55 | 23°41 | 19°45 | 19°20 | 28°41 | 12°48 | 25°27 | 18°32 | 23°57 | 20°37 | 2°38 | 2° 6 | 20°51 | 8° 4 | S 28 |
| M29 | 14 59 27 | 16°15'42 | 7♓ 6 | 20°40 | 20°31 | 29°22 | 12°43 | 25°34 | 18°36 | 23°58 | 20°38 | 2°38 | 2° 2 | 20°57 | 8° 9 | M29 |
| T 30 | 15 3 24 | 17♉13'28 | 20♓56 | 21♈39 | 21♊42 | 0♊ 3 | 12♎37 | 25♉42 | 18♉39 | 23♒59 | 20♈39 | 2♉39 | 1♉59 | 21♏ 4 | 8♊13 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n31 | 16s29 | 4s45 | 9n49 | 2n 2 | 17n25 | 0n29 | 14n58 | 0n11 | 4s48 | 1n36 | 16n36 | 1s49 | 16n43 | 0s17 | 14s15 | 0s32 | 7s36 | 16s40 | 12n28 | 12n44 | 18s26 | 17n14 | 4s14 |
| T 2 | 7 53 | 10 39 | 4 4 | 9 20 | 1 47 | 17 49 | 0 32 | 15 12 | 0 11 | 4 45 | 1 36 | 16 38 | 1 49 | 16 43 | 0 17 | 14 14 | 0 32 | 7 35 | 16 40 | 12 28 | 12 43 | 18 29 | 17 15 | 4 14 |
| W 3 | 8 15 | 4 5 | 3 6 | 8 49 | 1 32 | 18 12 | 0 35 | 15 26 | 0 12 | 4 42 | 1 36 | 16 40 | 1 49 | 16 44 | 0 17 | 14 14 | 0 32 | 7 34 | 16 40 | 12 27 | 12 42 | 18 32 | 17 16 | 4 13 |
| T 4 | 8 37 | 2n52 | 1 54 | 8 18 | 1 16 | 18 34 | 0 38 | 15 40 | 0 13 | 4 39 | 1 36 | 16 41 | 1 49 | 16 45 | 0 17 | 14 14 | 0 32 | 7 34 | 16 40 | 12 27 | 12 41 | 18 34 | 17 16 | 4 13 |
| F 5 | 8 59 | 9 47 | 0 34 | 7 48 | 1 0 | 18 56 | 0 41 | 15 53 | 0 13 | 4 36 | 1 36 | 16 43 | 1 49 | 16 46 | 0 17 | 14 13 | 0 32 | 7 33 | 16 40 | 12 27 | 12 40 | 18 37 | 17 17 | 4 13 |
| S 6 | 9 21 | 16 11 | 0n50 | 7 17 | 0 43 | 19 17 | 0 44 | 16 7 | 0 14 | 4 33 | 1 36 | 16 45 | 1 49 | 16 47 | 0 17 | 14 13 | 0 32 | 7 33 | 16 40 | 12 27 | 12 39 | 18 40 | 17 18 | 4 13 |
| S 7 | 9 42 | 21 35 | 2 9 | 6 47 | 0 26 | 19 38 | 0 46 | 16 20 | 0 14 | 4 31 | 1 36 | 16 47 | 1 49 | 16 48 | 0 17 | 14 12 | 0 32 | 7 32 | 16 40 | 12 27 | 12 38 | 18 42 | 17 19 | 4 13 |
| M 8 | 10 4 | 25 32 | 3 19 | 6 19 | 0 9 | 19 59 | 0 49 | 16 33 | 0 15 | 4 28 | 1 36 | 16 49 | 1 48 | 16 49 | 0 17 | 14 12 | 0 32 | 7 32 | 16 40 | 12 27 | 12 36 | 18 45 | 17 20 | 4 13 |
| T 9 | 10 25 | 27 43 | 4 15 | 5 52 | 0s 8 | 20 19 | 0 52 | 16 46 | 0 16 | 4 25 | 1 36 | 16 51 | 1 48 | 16 50 | 0 17 | 14 11 | 0 32 | 7 31 | 16 40 | 12 27 | 12 35 | 18 48 | 17 20 | 4 13 |
| W10 | 10 46 | 28 0 | 4 54 | 5 27 | 0 24 | 20 38 | 0 55 | 16 59 | 0 16 | 4 22 | 1 35 | 16 53 | 1 48 | 16 51 | 0 17 | 14 11 | 0 32 | 7 31 | 16 40 | 12 28 | 12 34 | 18 50 | 17 21 | 4 13 |
| T 11 | 11 7 | 26 31 | 5 14 | 5 4 | 0 40 | 20 57 | 0 58 | 17 12 | 0 17 | 4 19 | 1 35 | 16 55 | 1 48 | 16 52 | 0 17 | 14 11 | 0 32 | 7 31 | 16 40 | 12 28 | 12 33 | 18 53 | 17 22 | 4 12 |
| F 12 | 11 27 | 23 33 | 5 17 | 4 43 | 0 55 | 21 15 | 1 0 | 17 24 | 0 17 | 4 17 | 1 35 | 16 57 | 1 48 | 16 53 | 0 17 | 14 10 | 0 32 | 7 30 | 16 40 | 12 28 | 12 32 | 18 56 | 17 23 | 4 12 |
| S 13 | 11 48 | 19 27 | 5 2 | 4 24 | 1 10 | 21 33 | 1 3 | 17 37 | 0 18 | 4 14 | 1 35 | 16 59 | 1 48 | 16 54 | 0 17 | 14 10 | 0 32 | 7 30 | 16 40 | 12 28 | 12 31 | 18 58 | 17 24 | 4 12 |
| S 14 | 12 8 | 14 33 | 4 33 | 4 8 | 1 24 | 21 50 | 1 6 | 17 49 | 0 19 | 4 11 | 1 35 | 17 1 | 1 48 | 16 55 | 0 17 | 14 10 | 0 32 | 7 29 | 16 40 | 12 28 | 12 30 | 19 1 | 17 24 | 4 12 |
| M15 | 12 28 | 9 9 | 3 52 | 3 55 | 1 38 | 22 7 | 1 8 | 18 1 | 0 19 | 4 9 | 1 35 | 17 3 | 1 47 | 16 56 | 0 17 | 14 9 | 0 32 | 7 29 | 16 40 | 12 28 | 12 29 | 19 4 | 17 25 | 4 12 |
| T 16 | 12 48 | 3 29 | 3 0 | 3 44 | 1 50 | 22 23 | 1 11 | 18 13 | 0 20 | 4 6 | 1 35 | 17 5 | 1 47 | 16 57 | 0 17 | 14 9 | 0 32 | 7 28 | 16 40 | 12 28 | 12 28 | 19 6 | 17 26 | 4 12 |
| W17 | 13 8 | 2s13 | 2 2 | 3 36 | 2 2 | 22 38 | 1 14 | 18 25 | 0 20 | 4 4 | 1 35 | 17 7 | 1 47 | 16 58 | 0 17 | 14 9 | 0 32 | 7 28 | 16 40 | 12 28 | 12 27 | 19 9 | 17 27 | 4 12 |
| T 18 | 13 27 | 7 48 | 0 58 | 3 30 | 2 13 | 22 53 | 1 16 | 18 36 | 0 21 | 4 1 | 1 34 | 17 9 | 1 47 | 16 59 | 0 17 | 14 8 | 0 32 | 7 27 | 16 40 | 12 28 | 12 26 | 19 12 | 17 28 | 4 12 |
| F 19 | 13 46 | 13 4 | 0s 8 | 3 27 | 2 23 | 23 7 | 1 19 | 18 48 | 0 22 | 3 59 | 1 34 | 17 11 | 1 47 | 17 0 | 0 17 | 14 8 | 0 32 | 7 27 | 16 40 | 12 28 | 12 24 | 19 14 | 17 28 | 4 12 |
| S 20 | 14 5 | 17 50 | 1 13 | 3 27 | 2 32 | 23 20 | 1 21 | 18 59 | 0 22 | 3 56 | 1 34 | 17 13 | 1 47 | 17 1 | 0 17 | 14 8 | 0 32 | 7 27 | 16 40 | 12 28 | 12 23 | 19 17 | 17 29 | 4 12 |
| S 21 | 14 24 | 21 55 | 2 15 | 3 29 | 2 40 | 23 33 | 1 24 | 19 10 | 0 23 | 3 54 | 1 34 | 17 15 | 1 47 | 17 2 | 0 17 | 14 7 | 0 32 | 7 26 | 16 40 | 12 27 | 12 22 | 19 20 | 17 30 | 4 12 |
| M22 | 14 43 | 25 7 | 3 11 | 3 33 | 2 47 | 23 45 | 1 26 | 19 21 | 0 23 | 3 52 | 1 34 | 17 17 | 1 47 | 17 3 | 0 17 | 14 7 | 0 32 | 7 26 | 16 41 | 12 27 | 12 21 | 19 22 | 17 31 | 4 12 |
| T 23 | 15 1 | 27 13 | 3 59 | 3 40 | 2 54 | 23 57 | 1 28 | 19 31 | 0 24 | 3 50 | 1 34 | 17 19 | 1 47 | 17 4 | 0 17 | 14 7 | 0 33 | 7 25 | 16 41 | 12 27 | 12 20 | 19 25 | 17 32 | 4 12 |
| W24 | 15 19 | 28 6 | 4 37 | 3 49 | 2 59 | 24 8 | 1 31 | 19 42 | 0 24 | 3 47 | 1 33 | 17 21 | 1 46 | 17 5 | 0 17 | 14 7 | 0 33 | 7 25 | 16 41 | 12 26 | 12 19 | 19 27 | 17 32 | 4 12 |
| T 25 | 15 37 | 27 37 | 5 3 | 4 0 | 3 4 | 24 18 | 1 33 | 19 52 | 0 25 | 3 45 | 1 33 | 17 23 | 1 46 | 17 5 | 0 17 | 14 6 | 0 33 | 7 25 | 16 41 | 12 26 | 12 18 | 19 30 | 17 33 | 4 12 |
| F 26 | 15 55 | 25 47 | 5 16 | 4 14 | 3 8 | 24 28 | 1 35 | 20 2 | 0 25 | 3 43 | 1 33 | 17 25 | 1 46 | 17 6 | 0 17 | 14 6 | 0 33 | 7 24 | 16 41 | 12 26 | 12 17 | 19 33 | 17 34 | 4 11 |
| S 27 | 16 12 | 22 39 | 5 14 | 4 29 | 3 11 | 24 37 | 1 37 | 20 12 | 0 26 | 3 41 | 1 33 | 17 27 | 1 46 | 17 7 | 0 17 | 14 6 | 0 33 | 7 24 | 16 41 | 12 26 | 12 16 | 19 35 | 17 35 | 4 11 |
| S 28 | 16 29 | 18 19 | 4 56 | 4 46 | 3 13 | 24 45 | 1 39 | 20 22 | 0 27 | 3 39 | 1 33 | 17 28 | 1 46 | 17 8 | 0 17 | 14 6 | 0 33 | 7 24 | 16 41 | 12 26 | 12 15 | 19 38 | 17 36 | 4 11 |
| M29 | 16 46 | 12 59 | 4 22 | 5 5 | 3 15 | 24 52 | 1 41 | 20 32 | 0 27 | 3 37 | 1 33 | 17 30 | 1 46 | 17 9 | 0 17 | 14 6 | 0 33 | 7 23 | 16 41 | 12 26 | 12 14 | 19 40 | 17 36 | 4 11 |
| T 30 | 17n 2 | 6s50 | 3s31 | 5n26 | 3s16 | 24n59 | 1n43 | 20n41 | 0n28 | 3s35 | 1n32 | 17n32 | 1s46 | 17n10 | 0s16 | 14s 5 | 0s33 | 7s23 | 16s41 | 12n26 | 12n12 | 19s43 | 17n37 | 4s11 |

Julian Day Number = 2215331.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'09, Lahiri = 14°50'10 Julian Calendar 1 Apr. 1353 == Greg. Calendar 9 Apr. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## MAY 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 7 20 | 18♉11'13 | 5♈12 | 22♈40 | 22♊53 | 0♊45 | 12°R32 | 25♉50 | 18♉43 | 23♒59 | 20♈40 | 2♉40 | 1♉56 | 21♏11 | 8♊18 | W 1 |
| T 2 | 15 11 17 | 19° 8'56 | 19°52 | 23°44 | 24° 4 | 1°26 | 12♎27 | 25°58 | 18°46 | 24° 0 | 20°42 | 2°41 | 1°53 | 21°17 | 8°23 | T 2 |
| F 3 | 15 15 13 | 20° 6'39 | 4♉51 | 24°51 | 25°15 | 2° 7 | 12°22 | 26° 6 | 18°50 | 24° 0 | 20°43 | 2°R42 | 1°50 | 21°24 | 8°28 | F 3 |
| S 4 | 15 19 10 | 21° 4'20 | 20° 1 | 26° 1 | 26°26 | 2°48 | 12°18 | 26°13 | 18°53 | 24° 1 | 20°44 | 2°41 | 1°46 | 21°31 | 8°33 | S 4 |
| S 5 | 15 23 6 | 22° 2'00 | 5♊13 | 27°14 | 27°36 | 3°30 | 12°13 | 26°21 | 18°57 | 24° 1 | 20°45 | 2°39 | 1°43 | 21°37 | 8°38 | S 5 |
| M 6 | 15 27 3 | 22°59'39 | 20°17 | 28°30 | 28°47 | 4°11 | 12° 9 | 26°29 | 19° 0 | 24° 2 | 20°47 | 2°37 | 1°40 | 21°44 | 8°43 | M 6 |
| T 7 | 15 30 59 | 23°57'17 | 5♋ 6 | 29°48 | 29°58 | 4°52 | 12° 4 | 26°37 | 19° 4 | 24° 2 | 20°48 | 2°34 | 1°37 | 21°51 | 8°48 | T 7 |
| W 8 | 15 34 56 | 24°54'53 | 19°31 | 1♌ 9 | 1♋ 8 | 5°33 | 12° 0 | 26°45 | 19° 7 | 24° 3 | 20°49 | 2°32 | 1°34 | 21°57 | 8°53 | W 8 |
| T 9 | 15 38 53 | 25°52'27 | 3♎30 | 2°32 | 2°18 | 6°14 | 11°56 | 26°53 | 19°11 | 24° 3 | 20°50 | 2°30 | 1°31 | 22° 4 | 8°59 | T 9 |
| F 10 | 15 42 49 | 26°50'00 | 17° 1 | 3°58 | 3°29 | 6°55 | 11°53 | 27° 0 | 19°14 | 24° 3 | 20°51 | 2°28 | 1°27 | 22°11 | 9° 4 | F 10 |
| S 11 | 15 46 46 | 27°47'32 | 0♏ 7 | 5°27 | 4°39 | 7°35 | 11°49 | 27° 8 | 19°18 | 24° 4 | 20°52 | 2°D28 | 1°24 | 22°17 | 9° 9 | S 11 |
| S 12 | 15 50 42 | 28°45'02 | 12°49 | 6°58 | 5°49 | 8°16 | 11°46 | 27°16 | 19°21 | 24° 4 | 20°54 | 2°29 | 1°21 | 22°24 | 9°14 | S 12 |
| M13 | 15 54 39 | 29°42'31 | 25°13 | 8°31 | 6°59 | 8°57 | 11°42 | 27°24 | 19°24 | 24° 4 | 20°55 | 2°30 | 1°18 | 22°31 | 9°19 | M13 |
| T 14 | 15 58 35 | 0♊39'58 | 7♎21 | 10° 7 | 8° 9 | 9°38 | 11°39 | 27°32 | 19°28 | 24° 4 | 20°56 | 2°32 | 1°15 | 22°37 | 9°24 | T 14 |
| W15 | 16 2 32 | 1°37'24 | 19°19 | 11°46 | 9°19 | 10°19 | 11°36 | 27°40 | 19°31 | 24° 4 | 20°57 | 2°33 | 1°12 | 22°44 | 9°29 | W15 |
| T 16 | 16 6 28 | 2°34'49 | 1♏11 | 13°27 | 10°29 | 10°59 | 11°34 | 27°47 | 19°35 | 24° 5 | 20°58 | 2°R34 | 1° 8 | 22°50 | 9°34 | T 16 |
| F 17 | 16 10 25 | 3°32'13 | 12°59 | 15°10 | 11°38 | 11°40 | 11°31 | 27°55 | 19°38 | 24° 5 | 20°59 | 2°33 | 1° 5 | 22°57 | 9°40 | F 17 |
| S 18 | 16 14 22 | 4°29'36 | 24°47 | 16°56 | 12°48 | 12°20 | 11°29 | 28° 3 | 19°42 | 24° 5 | 21° 0 | 2°31 | 1° 2 | 23° 4 | 9°45 | S 18 |
| S 19 | 16 18 18 | 5°26'58 | 6♐37 | 18°45 | 13°57 | 13° 1 | 11°27 | 28°11 | 19°45 | 24°R 5 | 21° 1 | 2°28 | 0°59 | 23°10 | 9°50 | S 19 |
| M20 | 16 22 15 | 6°24'19 | 18°31 | 20°35 | 15° 7 | 13°41 | 11°25 | 28°19 | 19°48 | 24° 5 | 21° 2 | 2°23 | 0°56 | 23°17 | 9°55 | M20 |
| T 21 | 16 26 11 | 7°21'40 | 0♑31 | 22°28 | 16°16 | 14°22 | 11°23 | 28°26 | 19°52 | 24° 5 | 21° 3 | 2°17 | 0°52 | 23°24 | 10° 0 | T 21 |
| W22 | 16 30 8 | 8°18'59 | 12°39 | 24°24 | 17°25 | 15° 2 | 11°21 | 28°34 | 19°55 | 24° 5 | 21° 4 | 2°11 | 0°49 | 23°30 | 10° 5 | W22 |
| T 23 | 16 34 4 | 9°16'18 | 24°57 | 26°21 | 18°34 | 15°43 | 11°20 | 28°42 | 19°59 | 24° 4 | 21° 5 | 2° 5 | 0°46 | 23°37 | 10°11 | T 23 |
| F 24 | 16 38 1 | 10°13'37 | 7♒26 | 28°21 | 19°43 | 16°23 | 11°18 | 28°50 | 20° 2 | 24° 4 | 21° 6 | 2° 0 | 0°43 | 23°44 | 10°16 | F 24 |
| S 25 | 16 41 58 | 11°10'55 | 20° 9 | 0♊23 | 20°52 | 17° 3 | 11°17 | 28°57 | 20° 5 | 24° 4 | 21° 7 | 1°56 | 0°40 | 23°50 | 10°21 | S 25 |
| S 26 | 16 45 54 | 12° 8'12 | 3♓10 | 2°27 | 22° 0 | 17°44 | 11°16 | 29° 5 | 20° 9 | 24° 4 | 21° 8 | 1°54 | 0°37 | 23°57 | 10°26 | S 26 |
| M27 | 16 49 51 | 13° 5'29 | 16°29 | 4°32 | 23° 9 | 18°24 | 11°15 | 29°13 | 20°12 | 24° 4 | 21° 9 | 1°D54 | 0°33 | 24° 4 | 10°31 | M27 |
| T 28 | 16 53 47 | 14° 2'46 | 0♈10 | 6°39 | 24°18 | 19° 4 | 11°15 | 29°20 | 20°15 | 24° 3 | 21°10 | 1°54 | 0°30 | 24°10 | 10°37 | T 28 |
| W29 | 16 57 44 | 15° 0'02 | 14°14 | 8°48 | 25°26 | 19°44 | 11°14 | 29°28 | 20°18 | 24° 3 | 21°11 | 1°56 | 0°27 | 24°17 | 10°42 | W29 |
| T 30 | 17 1 40 | 15°57'18 | 28°40 | 10°58 | 26°34 | 20°25 | 11°14 | 29°36 | 20°22 | 24° 3 | 21°12 | 1°R57 | 0°24 | 24°24 | 10°47 | T 30 |
| F 31 | 17 5 37 | 16♊54'34 | 13♉26 | 13♊ 8 | 27♋42 | 21♊ 5 | 11°D14 | 29♉43 | 20♉25 | 24♒ 2 | 21♈13 | 1♉56 | 0♉21 | 24♏30 | 10♊52 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n18 | 0s10 | 2s26 | 5n49 | 3s16 | 25n 5 | 1n45 | 20n50 | 0n28 | 3s33 | 1n32 | 17n34 | 1s46 | 17n11 | 0s16 | 14s 5 | 0s33 | 7s23 | 16s42 | 12n27 | 12n11 | 19s45 | 17n38 | 4s11 |
| T 2 | 17 34 | 6n43 | 1 10 | 6 13 | 3 15 | 25 11 | 1 47 | 20 59 | 0 29 | 3 32 | 1 32 | 17 36 | 1 46 | 17 12 | 0 16 | 14 5 | 0 33 | 7 22 | 16 42 | 12 27 | 12 10 | 19 48 | 17 39 | 4 11 |
| F 3 | 17 50 | 13 22 | 0n12 | 6 39 | 3 14 | 25 15 | 1 49 | 21 8 | 0 29 | 3 30 | 1 32 | 17 38 | 1 46 | 17 13 | 0 16 | 14 5 | 0 33 | 7 22 | 16 42 | 12 27 | 12 9 | 19 51 | 17 39 | 4 11 |
| S 4 | 18 5 | 19 19 | 1 34 | 7 6 | 3 12 | 25 19 | 1 51 | 21 17 | 0 30 | 3 28 | 1 31 | 17 40 | 1 46 | 17 14 | 0 16 | 14 5 | 0 33 | 7 22 | 16 42 | 12 27 | 12 8 | 19 53 | 17 40 | 4 11 |
| S 5 | 18 20 | 24 2 | 2 50 | 7 35 | 3 10 | 25 23 | 1 53 | 21 25 | 0 30 | 3 27 | 1 31 | 17 42 | 1 46 | 17 15 | 0 16 | 14 5 | 0 33 | 7 21 | 16 42 | 12 26 | 12 7 | 19 56 | 17 41 | 4 11 |
| M 6 | 18 35 | 27 3 | 3 53 | 8 5 | 3 6 | 25 25 | 1 54 | 21 34 | 0 31 | 3 25 | 1 31 | 17 44 | 1 45 | 17 16 | 0 16 | 14 5 | 0 33 | 7 21 | 16 42 | 12 26 | 12 6 | 19 58 | 17 42 | 4 11 |
| T 7 | 18 50 | 28 5 | 4 40 | 8 36 | 3 2 | 25 27 | 1 56 | 21 42 | 0 31 | 3 24 | 1 31 | 17 46 | 1 45 | 17 17 | 0 16 | 14 4 | 0 33 | 7 21 | 16 43 | 12 25 | 12 5 | 20 1 | 17 43 | 4 11 |
| W 8 | 19 4 | 27 10 | 5 7 | 9 8 | 2 58 | 25 28 | 1 57 | 21 50 | 0 32 | 3 22 | 1 31 | 17 47 | 1 45 | 17 18 | 0 16 | 14 4 | 0 33 | 7 21 | 16 43 | 12 24 | 12 4 | 20 3 | 17 43 | 4 11 |
| T 9 | 19 18 | 24 32 | 5 15 | 9 41 | 2 53 | 25 29 | 1 59 | 21 57 | 0 32 | 3 21 | 1 30 | 17 49 | 1 45 | 17 19 | 0 16 | 14 4 | 0 33 | 7 20 | 16 43 | 12 23 | 12 2 | 20 6 | 17 44 | 4 11 |
| F 10 | 19 31 | 20 38 | 5 5 | 10 16 | 2 47 | 25 29 | 2 0 | 22 5 | 0 33 | 3 20 | 1 30 | 17 51 | 1 45 | 17 20 | 0 16 | 14 4 | 0 33 | 7 20 | 16 43 | 12 22 | 12 1 | 20 8 | 17 45 | 4 11 |
| S 11 | 19 44 | 15 49 | 4 39 | 10 51 | 2 41 | 25 28 | 2 1 | 22 12 | 0 33 | 3 19 | 1 30 | 17 53 | 1 45 | 17 21 | 0 16 | 14 4 | 0 33 | 7 20 | 16 43 | 12 22 | 12 0 | 20 11 | 17 46 | 4 11 |
| S 12 | 19 57 | 10 28 | 4 0 | 11 27 | 2 34 | 25 26 | 2 2 | 22 19 | 0 34 | 3 18 | 1 30 | 17 55 | 1 45 | 17 22 | 0 16 | 14 4 | 0 33 | 7 20 | 16 44 | 12 23 | 11 59 | 20 13 | 17 46 | 4 11 |
| M13 | 20 10 | 4 50 | 3 11 | 12 4 | 2 27 | 25 24 | 2 3 | 22 26 | 0 34 | 3 17 | 1 29 | 17 57 | 1 45 | 17 23 | 0 16 | 14 4 | 0 33 | 7 19 | 16 44 | 12 23 | 11 58 | 20 16 | 17 47 | 4 12 |
| T 14 | 20 22 | 0s53 | 2 14 | 12 42 | 2 20 | 25 21 | 2 4 | 22 33 | 0 35 | 3 16 | 1 29 | 17 58 | 1 45 | 17 24 | 0 16 | 14 4 | 0 33 | 7 19 | 16 44 | 12 24 | 11 57 | 20 19 | 17 48 | 4 12 |
| W15 | 20 34 | 6 29 | 1 12 | 13 20 | 2 11 | 25 17 | 2 5 | 22 40 | 0 35 | 3 15 | 1 29 | 18 0 | 1 45 | 17 25 | 0 16 | 14 4 | 0 33 | 7 19 | 16 44 | 12 24 | 11 56 | 20 21 | 17 48 | 4 12 |
| T 16 | 20 45 | 11 49 | 0 8 | 13 59 | 2 3 | 25 12 | 2 6 | 22 46 | 0 36 | 3 14 | 1 29 | 18 2 | 1 45 | 17 26 | 0 16 | 14 4 | 0 33 | 7 19 | 16 44 | 12 24 | 11 55 | 20 24 | 17 49 | 4 12 |
| F 17 | 20 56 | 16 42 | 0s57 | 14 38 | 1 54 | 25 7 | 2 7 | 22 52 | 0 36 | 3 13 | 1 28 | 18 4 | 1 45 | 17 27 | 0 16 | 14 4 | 0 33 | 7 19 | 16 45 | 12 24 | 11 54 | 20 26 | 17 50 | 4 12 |
| S 18 | 21 7 | 20 57 | 1 59 | 15 17 | 1 44 | 25 1 | 2 8 | 22 58 | 0 37 | 3 12 | 1 28 | 18 6 | 1 45 | 17 28 | 0 16 | 14 4 | 0 33 | 7 18 | 16 45 | 12 23 | 11 53 | 20 29 | 17 50 | 4 12 |
| S 19 | 21 17 | 24 22 | 2 55 | 15 57 | 1 34 | 24 55 | 2 8 | 23 4 | 0 37 | 3 12 | 1 28 | 18 7 | 1 45 | 17 28 | 0 16 | 14 4 | 0 33 | 7 18 | 16 45 | 12 22 | 11 51 | 20 31 | 17 51 | 4 12 |
| M20 | 21 27 | 26 46 | 3 45 | 16 36 | 1 24 | 24 48 | 2 9 | 23 9 | 0 38 | 3 11 | 1 28 | 18 9 | 1 45 | 17 29 | 0 16 | 14 4 | 0 33 | 7 18 | 16 45 | 12 21 | 11 50 | 20 34 | 17 52 | 4 12 |
| T 21 | 21 37 | 27 56 | 4 25 | 17 16 | 1 14 | 24 40 | 2 9 | 23 14 | 0 38 | 3 11 | 1 27 | 18 11 | 1 45 | 17 30 | 0 16 | 14 4 | 0 33 | 7 18 | 16 45 | 12 19 | 11 49 | 20 36 | 17 53 | 4 12 |
| W22 | 21 46 | 27 47 | 4 53 | 17 55 | 1 3 | 24 31 | 2 9 | 23 19 | 0 39 | 3 10 | 1 27 | 18 13 | 1 45 | 17 31 | 0 16 | 14 4 | 0 33 | 7 18 | 16 46 | 12 16 | 11 48 | 20 38 | 17 53 | 4 12 |
| T 23 | 21 55 | 26 16 | 5 8 | 18 33 | 0 53 | 24 22 | 2 10 | 23 24 | 0 39 | 3 10 | 1 27 | 18 14 | 1 45 | 17 32 | 0 16 | 14 4 | 0 33 | 7 18 | 16 46 | 12 14 | 11 47 | 20 41 | 17 54 | 4 12 |
| F 24 | 22 4 | 23 27 | 5 9 | 19 11 | 0 42 | 24 13 | 2 10 | 23 29 | 0 40 | 3 10 | 1 26 | 18 16 | 1 45 | 17 33 | 0 16 | 14 4 | 0 33 | 7 18 | 16 46 | 12 13 | 11 46 | 20 43 | 17 54 | 4 12 |
| S 25 | 22 12 | 19 29 | 4 55 | 19 48 | 0 31 | 24 2 | 2 10 | 23 34 | 0 40 | 3 10 | 1 26 | 18 18 | 1 45 | 17 34 | 0 16 | 14 4 | 0 33 | 7 17 | 16 46 | 12 11 | 11 45 | 20 46 | 17 55 | 4 12 |
| S 26 | 22 20 | 14 30 | 4 26 | 20 24 | 0 20 | 23 51 | 2 10 | 23 38 | 0 41 | 3 9 | 1 26 | 18 19 | 1 45 | 17 35 | 0 16 | 14 4 | 0 33 | 7 17 | 16 47 | 12 11 | 11 44 | 20 48 | 17 56 | 4 12 |
| M27 | 22 27 | 8 45 | 3 42 | 20 59 | 0 9 | 23 39 | 2 9 | 23 42 | 0 41 | 3 9 | 1 26 | 18 21 | 1 45 | 17 36 | 0 16 | 14 5 | 0 34 | 7 17 | 16 47 | 12 10 | 11 42 | 20 51 | 17 56 | 4 12 |
| T 28 | 22 34 | 2 26 | 2 44 | 21 32 | 0n 2 | 23 27 | 2 9 | 23 46 | 0 42 | 3 9 | 1 25 | 18 23 | 1 45 | 17 37 | 0 16 | 14 5 | 0 34 | 7 17 | 16 47 | 12 11 | 11 41 | 20 53 | 17 57 | 4 13 |
| W29 | 22 41 | 4n11 | 1 35 | 22 4 | 0 13 | 23 14 | 2 9 | 23 50 | 0 42 | 3 9 | 1 25 | 18 24 | 1 45 | 17 37 | 0 16 | 14 5 | 0 34 | 7 17 | 16 47 | 12 11 | 11 40 | 20 56 | 17 58 | 4 13 |
| T 30 | 22 47 | 10 46 | 0 18 | 22 33 | 0 23 | 23 1 | 2 8 | 23 53 | 0 42 | 3 10 | 1 25 | 18 26 | 1 45 | 17 38 | 0 16 | 14 5 | 0 34 | 7 17 | 16 48 | 12 11 | 11 39 | 20 58 | 17 58 | 4 13 |
| F 31 | 22n53 | 16n55 | 1n 2 | 23n 1 | 0n34 | 22n47 | 2n 8 | 23n56 | 0n43 | 3s10 | 1n25 | 18n28 | 1s45 | 17n39 | 0s16 | 14s 5 | 0s34 | 7s17 | 16s48 | 12n11 | 11n38 | 21s 1 | 17n59 | 4s13 |

Julian Day Number = 2215361.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'13, Lahiri = 14°50'14 Julian Calendar 1 May 1353 == Greg. Calendar 9 May 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## JUNE 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 33 | 17♊51'50 | 28♉27 | 15♊19 | 28♋50 | 21♊45 | 11♎14 | 29♉51 | 20♉28 | 24°R 2 | 21♈14 | 1°R54 | 0♉18 | 24♏37 | 10♊57 | S 1 |
| S 2 | 17 13 30 | 18°49'05 | 13♊34 | 17°31 | 29°58 | 22°25 | 11°14 | 29°59 | 20°31 | 24♒ 2 | 21°14 | 1♉49 | 0°14 | 24°44 | 11° 3 | S 2 |
| M 3 | 17 17 27 | 19°46'20 | 28°39 | 19°43 | 1♌ 6 | 23° 5 | 11°15 | 0♊ 6 | 20°34 | 24° 1 | 21°15 | 1°43 | 0°11 | 24°50 | 11° 8 | M 3 |
| T 4 | 17 21 23 | 20°43'34 | 13♋31 | 21°54 | 2°14 | 23°45 | 11°16 | 0°14 | 20°38 | 24° 1 | 21°16 | 1°36 | 0° 8 | 24°57 | 11°13 | T 4 |
| W 5 | 17 25 20 | 21°40'48 | 28° 3 | 24° 5 | 3°21 | 24°25 | 11°16 | 0°21 | 20°41 | 24° 0 | 21°17 | 1°28 | 0° 5 | 25° 4 | 11°18 | W 5 |
| T 6 | 17 29 16 | 22°38'01 | 12♌ 9 | 26°15 | 4°28 | 25° 5 | 11°17 | 0°29 | 20°44 | 24° 0 | 21°18 | 1°22 | 0° 2 | 25°10 | 11°23 | T 6 |
| F 7 | 17 33 13 | 23°35'14 | 25°47 | 28°25 | 5°36 | 25°45 | 11°19 | 0°36 | 20°47 | 23°59 | 21°18 | 1°17 | 29♈58 | 25°17 | 11°28 | F 7 |
| S 8 | 17 37 9 | 24°32'26 | 8♍56 | 0♋33 | 6°43 | 26°24 | 11°20 | 0°43 | 20°50 | 23°58 | 21°19 | 1°14 | 29°55 | 25°24 | 11°34 | S 8 |
| S 9 | 17 41 6 | 25°29'38 | 21°40 | 2°40 | 7°50 | 27° 4 | 11°22 | 0°51 | 20°53 | 23°58 | 21°20 | 1°D12 | 29°52 | 25°30 | 11°39 | S 9 |
| M10 | 17 45 2 | 26°26'49 | 4♎ 3 | 4°45 | 8°56 | 27°44 | 11°23 | 0°58 | 20°56 | 23°57 | 21°21 | 1°12 | 29°49 | 25°37 | 11°44 | M10 |
| T 11 | 17 48 59 | 27°23'59 | 16° 9 | 6°49 | 10° 3 | 28°24 | 11°25 | 1° 6 | 20°59 | 23°56 | 21°21 | 1°13 | 29°46 | 25°44 | 11°49 | T 11 |
| W12 | 17 52 56 | 28°21'09 | 28° 5 | 8°51 | 11° 9 | 29° 3 | 11°27 | 1°13 | 21° 2 | 23°56 | 21°22 | 1°R14 | 29°43 | 25°50 | 11°54 | W12 |
| T 13 | 17 56 52 | 29°18'19 | 9♏54 | 10°51 | 12°16 | 29°43 | 11°30 | 1°20 | 21° 5 | 23°55 | 21°23 | 1°14 | 29°39 | 25°57 | 11°59 | T 13 |
| F 14 | 18 0 49 | 0♋15'29 | 21°41 | 12°49 | 13°22 | 0♋23 | 11°32 | 1°27 | 21° 8 | 23°54 | 21°23 | 1°12 | 29°36 | 26° 4 | 12° 4 | F 14 |
| S 15 | 18 4 45 | 1°12'38 | 3♐30 | 14°46 | 14°28 | 1° 2 | 11°35 | 1°34 | 21°11 | 23°53 | 21°24 | 1° 7 | 29°33 | 26°10 | 12° 9 | S 15 |
| S 16 | 18 8 42 | 2° 9'48 | 15°25 | 16°40 | 15°33 | 1°42 | 11°37 | 1°42 | 21°13 | 23°52 | 21°24 | 1° 0 | 29°30 | 26°17 | 12°14 | S 16 |
| M17 | 18 12 38 | 3° 6'57 | 27°27 | 18°33 | 16°39 | 2°21 | 11°40 | 1°49 | 21°16 | 23°52 | 21°25 | 0°51 | 29°27 | 26°24 | 12°19 | M17 |
| T 18 | 18 16 35 | 4° 4'06 | 9♑37 | 20°23 | 17°44 | 3° 1 | 11°43 | 1°56 | 21°19 | 23°51 | 21°25 | 0°40 | 29°24 | 26°30 | 12°24 | T 18 |
| W19 | 18 20 31 | 5° 1'16 | 21°58 | 22°12 | 18°49 | 3°40 | 11°47 | 2° 3 | 21°22 | 23°50 | 21°26 | 0°29 | 29°20 | 26°37 | 12°29 | W19 |
| T 20 | 18 24 28 | 5°58'25 | 4♒30 | 23°58 | 19°54 | 4°20 | 11°50 | 2°10 | 21°24 | 23°49 | 21°26 | 0°18 | 29°17 | 26°44 | 12°34 | T 20 |
| F 21 | 18 28 25 | 6°55'35 | 17°13 | 25°43 | 20°59 | 4°59 | 11°54 | 2°17 | 21°27 | 23°48 | 21°27 | 0° 8 | 29°14 | 26°50 | 12°39 | F 21 |
| S 22 | 18 32 21 | 7°52'45 | 0♓ 7 | 27°25 | 22° 3 | 5°39 | 11°58 | 2°24 | 21°30 | 23°47 | 21°27 | 0° 1 | 29°11 | 26°57 | 12°44 | S 22 |
| S 23 | 18 36 18 | 8°49'56 | 13°15 | 29° 6 | 23° 8 | 6°18 | 12° 1 | 2°31 | 21°32 | 23°46 | 21°28 | 29♈56 | 29° 8 | 27° 4 | 12°49 | S 23 |
| M24 | 18 40 14 | 9°47'07 | 26°37 | 0♌44 | 24°12 | 6°57 | 12° 6 | 2°37 | 21°35 | 23°45 | 21°28 | 29°53 | 29° 4 | 27°10 | 12°53 | M24 |
| T 25 | 18 44 11 | 10°44'18 | 10♈15 | 2°20 | 25°16 | 7°37 | 12°10 | 2°44 | 21°38 | 23°44 | 21°29 | 29°D53 | 29° 1 | 27°17 | 12°58 | T 25 |
| W26 | 18 48 7 | 11°41'30 | 24°10 | 3°55 | 26°19 | 8°16 | 12°14 | 2°51 | 21°40 | 23°43 | 21°29 | 29°R53 | 28°58 | 27°24 | 13° 3 | W26 |
| T 27 | 18 52 4 | 12°38'43 | 8♉22 | 5°27 | 27°23 | 8°55 | 12°19 | 2°58 | 21°43 | 23°41 | 21°29 | 29°53 | 28°55 | 27°30 | 13° 8 | T 27 |
| F 28 | 18 56 0 | 13°35'57 | 22°51 | 6°57 | 28°26 | 9°34 | 12°23 | 3° 4 | 21°45 | 23°40 | 21°30 | 29°51 | 28°52 | 27°37 | 13°13 | F 28 |
| S 29 | 18 59 57 | 14°33'11 | 7♊33 | 8°26 | 29°29 | 10°14 | 12°28 | 3°11 | 21°48 | 23°39 | 21°30 | 29°47 | 28°49 | 27°44 | 13°17 | S 29 |
| S 30 | 19 3 54 | 15♋30'26 | 22♊22 | 9♌52 | 0♍31 | 10♋53 | 12♎33 | 3♊17 | 21♉50 | 23♒38 | 21♈30 | 29♈40 | 28♈45 | 27♏50 | 13♊22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n58 | 22n 8 | 2n18 | 23n26 | 0n43 | 22n32 | 2n 7 | 23n59 | 0n43 | 3s10 | 1n24 | 18n29 | 1s45 | 17n40 | 0s16 | 14s 5 | 0s34 | 7s17 | 16s48 | 12n11 | 11n37 | 21s 3 | 17n59 | 4s13 |
| S 2 | 23 3 | 25 55 | 3 26 | 23 49 | 0 53 | 22 17 | 2 6 | 24 2 | 0 44 | 3 11 | 1 24 | 18 31 | 1 45 | 17 41 | 0 16 | 14 5 | 0 34 | 7 17 | 16 49 | 12 9 | 11 36 | 21 5 | 18 0 | 4 13 |
| M 3 | 23 8 | 27 49 | 4 18 | 24 9 | 1 1 | 22 1 | 2 5 | 24 5 | 0 44 | 3 11 | 1 24 | 18 32 | 1 45 | 17 42 | 0 16 | 14 6 | 0 34 | 7 17 | 16 49 | 12 7 | 11 35 | 21 8 | 18 1 | 4 13 |
| T 4 | 23 12 | 27 41 | 4 52 | 24 26 | 1 10 | 21 45 | 2 4 | 24 7 | 0 45 | 3 11 | 1 23 | 18 34 | 1 45 | 17 43 | 0 16 | 14 6 | 0 34 | 7 17 | 16 49 | 12 4 | 11 34 | 21 10 | 18 1 | 4 13 |
| W 5 | 23 16 | 25 38 | 5 7 | 24 41 | 1 17 | 21 28 | 2 3 | 24 9 | 0 45 | 3 12 | 1 23 | 18 36 | 1 45 | 17 43 | 0 16 | 14 6 | 0 34 | 7 17 | 16 49 | 12 2 | 11 32 | 21 13 | 18 2 | 4 14 |
| T 6 | 23 19 | 22 2 | 5 2 | 24 53 | 1 24 | 21 11 | 2 2 | 24 11 | 0 46 | 3 13 | 1 23 | 18 37 | 1 45 | 17 44 | 0 16 | 14 6 | 0 34 | 7 17 | 16 50 | 11 59 | 11 31 | 21 15 | 18 2 | 4 14 |
| F 7 | 23 22 | 17 21 | 4 40 | 25 1 | 1 31 | 20 53 | 2 0 | 24 13 | 0 46 | 3 13 | 1 23 | 18 39 | 1 45 | 17 45 | 0 16 | 14 6 | 0 34 | 7 17 | 16 50 | 11 58 | 11 30 | 21 18 | 18 3 | 4 14 |
| S 8 | 23 25 | 12 0 | 4 4 | 25 8 | 1 36 | 20 35 | 1 59 | 24 15 | 0 46 | 3 14 | 1 22 | 18 40 | 1 45 | 17 46 | 0 16 | 14 7 | 0 34 | 7 17 | 16 50 | 11 57 | 11 29 | 21 20 | 18 3 | 4 14 |
| S 9 | 23 27 | 6 19 | 3 16 | 25 11 | 1 41 | 20 16 | 1 57 | 24 16 | 0 47 | 3 15 | 1 22 | 18 42 | 1 45 | 17 47 | 0 16 | 14 7 | 0 34 | 7 17 | 16 51 | 11 56 | 11 28 | 21 22 | 18 4 | 4 14 |
| M10 | 23 29 | 0 32 | 2 21 | 25 11 | 1 45 | 19 57 | 1 55 | 24 18 | 0 47 | 3 16 | 1 22 | 18 43 | 1 45 | 17 47 | 0 16 | 14 7 | 0 34 | 7 17 | 16 51 | 11 56 | 11 27 | 21 25 | 18 4 | 4 14 |
| T 11 | 23 30 | 5s 9 | 1 20 | 25 9 | 1 48 | 19 37 | 1 54 | 24 19 | 0 48 | 3 17 | 1 21 | 18 45 | 1 45 | 17 48 | 0 16 | 14 7 | 0 34 | 7 17 | 16 51 | 11 56 | 11 26 | 21 27 | 18 5 | 4 15 |
| W12 | 23 31 | 10 34 | 0 17 | 25 5 | 1 51 | 19 17 | 1 52 | 24 19 | 0 48 | 3 18 | 1 21 | 18 46 | 1 45 | 17 49 | 0 16 | 14 8 | 0 34 | 7 17 | 16 52 | 11 57 | 11 25 | 21 29 | 18 5 | 4 15 |
| T 13 | 23 31 | 15 34 | 0s46 | 24 57 | 1 53 | 18 56 | 1 50 | 24 20 | 0 48 | 3 19 | 1 21 | 18 48 | 1 45 | 17 50 | 0 16 | 14 8 | 0 34 | 7 17 | 16 52 | 11 57 | 11 23 | 21 32 | 18 6 | 4 15 |
| F 14 | 23 31 | 19 59 | 1 47 | 24 48 | 1 54 | 18 35 | 1 47 | 24 20 | 0 49 | 3 20 | 1 21 | 18 49 | 1 45 | 17 51 | 0 16 | 14 8 | 0 34 | 7 17 | 16 52 | 11 56 | 11 22 | 21 34 | 18 6 | 4 15 |
| S 15 | 23 31 | 23 36 | 2 44 | 24 36 | 1 55 | 18 14 | 1 45 | 24 21 | 0 49 | 3 22 | 1 20 | 18 50 | 1 45 | 17 51 | 0 16 | 14 8 | 0 34 | 7 17 | 16 52 | 11 54 | 11 21 | 21 37 | 18 7 | 4 15 |
| S 16 | 23 30 | 26 15 | 3 33 | 24 22 | 1 55 | 17 52 | 1 43 | 24 20 | 0 50 | 3 23 | 1 20 | 18 52 | 1 45 | 17 52 | 0 16 | 14 9 | 0 34 | 7 17 | 16 53 | 11 52 | 11 20 | 21 39 | 18 7 | 4 15 |
| M17 | 23 29 | 27 44 | 4 14 | 24 7 | 1 54 | 17 30 | 1 40 | 24 20 | 0 50 | 3 24 | 1 20 | 18 53 | 1 45 | 17 53 | 0 16 | 14 9 | 0 34 | 7 17 | 16 53 | 11 49 | 11 19 | 21 41 | 18 8 | 4 16 |
| T 18 | 23 28 | 27 53 | 4 43 | 23 49 | 1 52 | 17 7 | 1 37 | 24 20 | 0 50 | 3 26 | 1 20 | 18 55 | 1 45 | 17 54 | 0 16 | 14 9 | 0 34 | 7 17 | 16 53 | 11 45 | 11 18 | 21 44 | 18 8 | 4 16 |
| W19 | 23 26 | 26 39 | 4 59 | 23 30 | 1 50 | 16 44 | 1 35 | 24 19 | 0 51 | 3 27 | 1 19 | 18 56 | 1 45 | 17 54 | 0 16 | 14 10 | 0 34 | 7 17 | 16 54 | 11 41 | 11 17 | 21 46 | 18 9 | 4 16 |
| T 20 | 23 23 | 24 5 | 5 2 | 23 9 | 1 47 | 16 21 | 1 32 | 24 18 | 0 51 | 3 29 | 1 19 | 18 57 | 1 45 | 17 55 | 0 16 | 14 10 | 0 34 | 7 18 | 16 54 | 11 37 | 11 16 | 21 48 | 18 9 | 4 16 |
| F 21 | 23 21 | 20 20 | 4 50 | 22 47 | 1 44 | 15 57 | 1 29 | 24 17 | 0 52 | 3 31 | 1 19 | 18 59 | 1 45 | 17 56 | 0 16 | 14 10 | 0 34 | 7 18 | 16 54 | 11 34 | 11 14 | 21 51 | 18 9 | 4 16 |
| S 22 | 23 17 | 15 33 | 4 22 | 22 23 | 1 40 | 15 33 | 1 25 | 24 16 | 0 52 | 3 32 | 1 18 | 19 0 | 1 45 | 17 56 | 0 16 | 14 11 | 0 34 | 7 18 | 16 55 | 11 31 | 11 13 | 21 53 | 18 10 | 4 17 |
| S 23 | 23 14 | 10 0 | 3 41 | 21 58 | 1 35 | 15 9 | 1 22 | 24 15 | 0 52 | 3 34 | 1 18 | 19 1 | 1 45 | 17 57 | 0 16 | 14 11 | 0 34 | 7 18 | 16 55 | 11 29 | 11 12 | 21 55 | 18 10 | 4 17 |
| M24 | 23 10 | 3 54 | 2 47 | 21 32 | 1 30 | 14 44 | 1 19 | 24 13 | 0 53 | 3 36 | 1 18 | 19 3 | 1 45 | 17 58 | 0 16 | 14 12 | 0 34 | 7 18 | 16 55 | 11 28 | 11 11 | 21 58 | 18 10 | 4 17 |
| T 25 | 23 5 | 2n30 | 1 42 | 21 5 | 1 25 | 14 20 | 1 15 | 24 11 | 0 53 | 3 38 | 1 18 | 19 4 | 1 45 | 17 58 | 0 16 | 14 12 | 0 34 | 7 18 | 16 56 | 11 28 | 11 10 | 22 0 | 18 11 | 4 17 |
| W26 | 23 1 | 8 56 | 0 30 | 20 37 | 1 19 | 13 54 | 1 11 | 24 9 | 0 53 | 3 40 | 1 17 | 19 5 | 1 45 | 17 59 | 0 16 | 14 12 | 0 34 | 7 18 | 16 56 | 11 28 | 11 9 | 22 2 | 18 11 | 4 18 |
| T 27 | 22 55 | 15 3 | 0n45 | 20 9 | 1 12 | 13 29 | 1 8 | 24 7 | 0 54 | 3 42 | 1 17 | 19 6 | 1 45 | 18 0 | 0 16 | 14 13 | 0 34 | 7 19 | 16 56 | 11 28 | 11 8 | 22 4 | 18 12 | 4 18 |
| F 28 | 22 50 | 20 28 | 1 59 | 19 39 | 1 5 | 13 3 | 1 4 | 24 5 | 0 54 | 3 44 | 1 17 | 19 8 | 1 45 | 18 0 | 0 16 | 14 13 | 0 34 | 7 19 | 16 57 | 11 28 | 11 7 | 22 7 | 18 12 | 4 18 |
| S 29 | 22 44 | 24 42 | 3 5 | 19 9 | 0 58 | 12 38 | 1 0 | 24 2 | 0 55 | 3 46 | 1 17 | 19 9 | 1 45 | 18 1 | 0 16 | 14 14 | 0 34 | 7 19 | 16 57 | 11 26 | 11 5 | 22 9 | 18 12 | 4 18 |
| S 30 | 22n37 | 27n18 | 4n 0 | 18n39 | 0n50 | 12n12 | 0n55 | 23n59 | 0n55 | 3s48 | 1n16 | 19n10 | 1s45 | 18n 2 | 0s16 | 14s14 | 0s34 | 7s19 | 16s57 | 11n24 | 11n 4 | 22s11 | 18n12 | 4s19 |

Julian Day Number = 2215392.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'18, Lahiri = 14°50'18 Julian Calendar 1 June 1353 == Greg. Calendar 9 June 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## JULY 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 7 50 | 16♋27'42 | 7♋12 | 11♌16 | 1♍34 | 11♋32 | 12♎39 | 3♊24 | 21♉52 | 23°R37 | 21♈31 | 29°R31 | 28♈42 | 27♏57 | 13♊27 | M 1 |
| T 2 | 19 11 47 | 17°24'58 | 21°54 | 12°38 | 2°36 | 12°11 | 12°44 | 3°30 | 21°55 | 23♒36 | 21°31 | 29♈21 | 28°39 | 28° 4 | 13°31 | T 2 |
| W 3 | 19 15 43 | 18°22'14 | 6♌20 | 13°58 | 3°38 | 12°50 | 12°49 | 3°37 | 21°57 | 23°34 | 21°31 | 29° 9 | 28°36 | 28°10 | 13°36 | W 3 |
| T 4 | 19 19 40 | 19°19'31 | 20°23 | 15°15 | 4°39 | 13°29 | 12°55 | 3°43 | 21°59 | 23°33 | 21°31 | 28°59 | 28°33 | 28°17 | 13°40 | T 4 |
| F 5 | 19 23 36 | 20°16'49 | 4♍ 1 | 16°30 | 5°40 | 14° 8 | 13° 1 | 3°49 | 22° 1 | 23°32 | 21°32 | 28°51 | 28°30 | 28°24 | 13°45 | F 5 |
| S 6 | 19 27 33 | 21°14'06 | 17°12 | 17°43 | 6°41 | 14°47 | 13° 7 | 3°55 | 22° 4 | 23°30 | 21°32 | 28°45 | 28°26 | 28°30 | 13°49 | S 6 |
| S 7 | 19 31 30 | 22°11'24 | 29°57 | 18°54 | 7°42 | 15°26 | 13°13 | 4° 1 | 22° 6 | 23°29 | 21°32 | 28°41 | 28°23 | 28°37 | 13°54 | S 7 |
| M 8 | 19 35 26 | 23° 8'43 | 12♎21 | 20° 2 | 8°42 | 16° 5 | 13°19 | 4° 7 | 22° 8 | 23°28 | 21°32 | 28°40 | 28°20 | 28°44 | 13°58 | M 8 |
| T 9 | 19 39 23 | 24° 6'02 | 24°29 | 21° 7 | 9°42 | 16°44 | 13°25 | 4°13 | 22°10 | 23°26 | 21°32 | 28°39 | 28°17 | 28°50 | 14° 3 | T 9 |
| W10 | 19 43 19 | 25° 3'21 | 6♏24 | 22°10 | 10°42 | 17°23 | 13°32 | 4°19 | 22°12 | 23°25 | 21°32 | 28°39 | 28°14 | 28°57 | 14° 7 | W10 |
| T 11 | 19 47 16 | 26° 0'42 | 18°14 | 23°10 | 11°41 | 18° 2 | 13°38 | 4°25 | 22°14 | 23°24 | 21°32 | 28°38 | 28°10 | 29° 4 | 14°11 | T 11 |
| F 12 | 19 51 12 | 26°58'02 | 0♐ 3 | 24° 8 | 12°40 | 18°41 | 13°45 | 4°31 | 22°16 | 23°22 | 21°32 | 28°36 | 28° 7 | 29°10 | 14°15 | F 12 |
| S 13 | 19 55 9 | 27°55'24 | 11°55 | 25° 2 | 13°38 | 19°20 | 13°52 | 4°37 | 22°18 | 23°21 | 21°32 | 28°30 | 28° 4 | 29°17 | 14°20 | S 13 |
| S 14 | 19 59 5 | 28°52'46 | 23°55 | 25°53 | 14°36 | 19°58 | 13°59 | 4°42 | 22°19 | 23°19 | 21°R32 | 28°22 | 28° 1 | 29°24 | 14°24 | S 14 |
| M15 | 20 3 2 | 29°50'08 | 6♑ 6 | 26°41 | 15°34 | 20°37 | 14° 6 | 4°48 | 22°21 | 23°18 | 21°32 | 28°12 | 27°58 | 29°30 | 14°28 | M15 |
| T 16 | 20 6 59 | 0♌47'32 | 18°29 | 27°25 | 16°31 | 21°16 | 14°14 | 4°54 | 22°23 | 23°16 | 21°32 | 27°59 | 27°55 | 29°37 | 14°32 | T 16 |
| W17 | 20 10 55 | 1°44'57 | 1♒ 5 | 28° 6 | 17°28 | 21°55 | 14°21 | 4°59 | 22°25 | 23°15 | 21°32 | 27°46 | 27°51 | 29°44 | 14°36 | W17 |
| T 18 | 20 14 52 | 2°42'22 | 13°54 | 28°43 | 18°24 | 22°33 | 14°29 | 5° 4 | 22°26 | 23°13 | 21°32 | 27°34 | 27°48 | 29°50 | 14°40 | T 18 |
| F 19 | 20 18 48 | 3°39'48 | 26°57 | 29°16 | 19°20 | 23°12 | 14°36 | 5°10 | 22°28 | 23°12 | 21°32 | 27°23 | 27°45 | 29°57 | 14°44 | F 19 |
| S 20 | 20 22 45 | 4°37'16 | 10♓10 | 29°44 | 20°15 | 23°51 | 14°44 | 5°15 | 22°30 | 23°10 | 21°32 | 27°14 | 27°42 | 0♐ 4 | 14°48 | S 20 |
| S 21 | 20 26 41 | 5°34'45 | 23°35 | 0♍ 9 | 21°10 | 24°29 | 14°52 | 5°20 | 22°31 | 23° 9 | 21°32 | 27° 8 | 27°39 | 0°10 | 14°52 | S 21 |
| M22 | 20 30 38 | 6°32'15 | 7♈10 | 0°29 | 22° 5 | 25° 8 | 15° 0 | 5°25 | 22°33 | 23° 7 | 21°32 | 27° 5 | 27°36 | 0°17 | 14°56 | M22 |
| T 23 | 20 34 34 | 7°29'46 | 20°55 | 0°44 | 22°58 | 25°46 | 15° 8 | 5°30 | 22°34 | 23° 6 | 21°32 | 27° 4 | 27°32 | 0°24 | 14°59 | T 23 |
| W24 | 20 38 31 | 8°27'19 | 4♉50 | 0°54 | 23°52 | 26°25 | 15°16 | 5°35 | 22°35 | 23° 4 | 21°31 | 27° 4 | 27°29 | 0°30 | 15° 3 | W24 |
| T 25 | 20 42 28 | 9°24'54 | 18°55 | 0°R59 | 24°44 | 27° 4 | 15°25 | 5°40 | 22°37 | 23° 3 | 21°31 | 27° 3 | 27°26 | 0°37 | 15° 7 | T 25 |
| F 26 | 20 46 24 | 10°22'30 | 3♊ 9 | 0°59 | 25°36 | 27°42 | 15°33 | 5°45 | 22°38 | 23° 1 | 21°31 | 27° 2 | 27°23 | 0°44 | 15°10 | F 26 |
| S 27 | 20 50 21 | 11°20'08 | 17°31 | 0°54 | 26°28 | 28°21 | 15°42 | 5°50 | 22°39 | 22°59 | 21°31 | 26°58 | 27°20 | 0°50 | 15°14 | S 27 |
| S 28 | 20 54 17 | 12°17'47 | 1♋57 | 0°42 | 27°19 | 28°59 | 15°51 | 5°54 | 22°41 | 22°58 | 21°30 | 26°51 | 27°16 | 0°57 | 15°17 | S 28 |
| M29 | 20 58 14 | 13°15'28 | 16°23 | 0°26 | 28° 9 | 29°38 | 16° 0 | 5°59 | 22°42 | 22°56 | 21°30 | 26°43 | 27°13 | 1° 4 | 15°21 | M29 |
| T 30 | 21 2 10 | 14°13'10 | 0♌43 | 0° 3 | 28°58 | 0♌16 | 16° 9 | 6° 3 | 22°43 | 22°55 | 21°30 | 26°32 | 27°10 | 1°10 | 15°24 | T 30 |
| W31 | 21 6 7 | 15♌10'54 | 14♌49 | 29♌35 | 29♍47 | 0♌55 | 16♎18 | 6♊ 8 | 22♉44 | 22♒53 | 21♈29 | 26♈21 | 27♈ 7 | 1♐17 | 15♊28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n30 | 27n58 | 4n39 | 18n 8 | 0n42 | 11n45 | 0n51 | 23n56 | 0n55 | 3s51 | 1n16 | 19n11 | 1s45 | 18n 2 | 0s16 | 14s14 | 0s34 | 7s19 | 16s58 | 11n21 | 11n 3 | 22s14 | 18n13 | 4s19 |
| T 2 | 22 23 | 26 39 | 4 59 | 17 37 | 0 33 | 11 19 | 0 47 | 23 53 | 0 56 | 3 53 | 1 16 | 19 12 | 1 45 | 18 3 | 0 16 | 14 15 | 0 34 | 7 20 | 16 58 | 11 17 | 11 2 | 22 16 | 18 13 | 4 19 |
| W 3 | 22 16 | 23 34 | 4 59 | 17 5 | 0 24 | 10 52 | 0 42 | 23 50 | 0 56 | 3 55 | 1 16 | 19 13 | 1 46 | 18 3 | 0 16 | 14 15 | 0 34 | 7 20 | 16 58 | 11 13 | 11 1 | 22 18 | 18 13 | 4 19 |
| T 4 | 22 8 | 19 10 | 4 41 | 16 33 | 0 15 | 10 25 | 0 37 | 23 46 | 0 56 | 3 58 | 1 15 | 19 14 | 1 46 | 18 4 | 0 16 | 14 16 | 0 35 | 7 20 | 16 59 | 11 9 | 11 0 | 22 20 | 18 14 | 4 20 |
| F 5 | 21 59 | 13 54 | 4 7 | 16 2 | 0 5 | 9 58 | 0 33 | 23 43 | 0 57 | 4 0 | 1 15 | 19 16 | 1 46 | 18 5 | 0 16 | 14 16 | 0 35 | 7 20 | 16 59 | 11 6 | 10 59 | 22 23 | 18 14 | 4 20 |
| S 6 | 21 51 | 8 9 | 3 21 | 15 30 | 0s 5 | 9 31 | 0 28 | 23 39 | 0 57 | 4 3 | 1 15 | 19 17 | 1 46 | 18 5 | 0 16 | 14 17 | 0 35 | 7 21 | 16 59 | 11 4 | 10 57 | 22 25 | 18 14 | 4 20 |
| S 7 | 21 41 | 2 15 | 2 26 | 14 58 | 0 15 | 9 4 | 0 23 | 23 35 | 0 57 | 4 5 | 1 15 | 19 18 | 1 46 | 18 6 | 0 16 | 14 17 | 0 35 | 7 21 | 17 0 | 11 3 | 10 56 | 22 27 | 18 14 | 4 20 |
| M 8 | 21 32 | 3s36 | 1 25 | 14 27 | 0 26 | 8 36 | 0 17 | 23 30 | 0 58 | 4 8 | 1 14 | 19 19 | 1 46 | 18 6 | 0 16 | 14 17 | 0 35 | 7 21 | 17 0 | 11 2 | 10 55 | 22 29 | 18 15 | 4 21 |
| T 9 | 21 22 | 9 11 | 0 22 | 13 56 | 0 37 | 8 9 | 0 12 | 23 26 | 0 58 | 4 11 | 1 14 | 19 20 | 1 46 | 18 7 | 0 16 | 14 18 | 0 35 | 7 21 | 17 0 | 11 2 | 10 54 | 22 32 | 18 15 | 4 21 |
| W10 | 21 12 | 14 21 | 0s41 | 13 25 | 0 48 | 7 41 | 0 7 | 23 21 | 0 58 | 4 13 | 1 14 | 19 21 | 1 46 | 18 7 | 0 16 | 14 18 | 0 35 | 7 22 | 17 1 | 11 2 | 10 53 | 22 34 | 18 15 | 4 21 |
| T 11 | 21 1 | 18 57 | 1 42 | 12 55 | 0 59 | 7 13 | 0 1 | 23 17 | 0 59 | 4 16 | 1 14 | 19 22 | 1 46 | 18 8 | 0 16 | 14 19 | 0 35 | 7 22 | 17 1 | 11 2 | 10 52 | 22 36 | 18 15 | 4 22 |
| F 12 | 20 50 | 22 48 | 2 38 | 12 25 | 1 11 | 6 46 | 0s 5 | 23 12 | 0 59 | 4 19 | 1 13 | 19 23 | 1 46 | 18 8 | 0 16 | 14 19 | 0 35 | 7 22 | 17 1 | 11 1 | 10 51 | 22 38 | 18 15 | 4 22 |
| S 13 | 20 39 | 25 43 | 3 27 | 11 56 | 1 23 | 6 18 | 0 10 | 23 6 | 0 59 | 4 22 | 1 13 | 19 24 | 1 46 | 18 9 | 0 16 | 14 20 | 0 35 | 7 23 | 17 2 | 10 59 | 10 50 | 22 41 | 18 16 | 4 22 |
| S 14 | 20 27 | 27 31 | 4 8 | 11 27 | 1 35 | 5 50 | 0 16 | 23 1 | 1 0 | 4 25 | 1 13 | 19 25 | 1 46 | 18 9 | 0 16 | 14 20 | 0 35 | 7 23 | 17 2 | 10 56 | 10 48 | 22 43 | 18 16 | 4 23 |
| M15 | 20 15 | 28 1 | 4 38 | 11 0 | 1 47 | 5 22 | 0 23 | 22 56 | 1 0 | 4 28 | 1 13 | 19 26 | 1 46 | 18 10 | 0 16 | 14 21 | 0 35 | 7 23 | 17 2 | 10 52 | 10 47 | 22 45 | 18 16 | 4 23 |
| T 16 | 20 3 | 27 8 | 4 56 | 10 33 | 1 59 | 4 54 | 0 29 | 22 50 | 1 0 | 4 31 | 1 12 | 19 27 | 1 47 | 18 10 | 0 16 | 14 21 | 0 35 | 7 24 | 17 3 | 10 48 | 10 46 | 22 47 | 18 16 | 4 23 |
| W17 | 19 51 | 24 51 | 5 0 | 10 8 | 2 11 | 4 26 | 0 35 | 22 44 | 1 1 | 4 34 | 1 12 | 19 27 | 1 47 | 18 11 | 0 16 | 14 22 | 0 35 | 7 24 | 17 3 | 10 43 | 10 45 | 22 49 | 18 16 | 4 24 |
| T 18 | 19 38 | 21 18 | 4 48 | 9 44 | 2 23 | 3 58 | 0 42 | 22 38 | 1 1 | 4 37 | 1 12 | 19 28 | 1 47 | 18 11 | 0 16 | 14 22 | 0 35 | 7 24 | 17 4 | 10 39 | 10 44 | 22 52 | 18 16 | 4 24 |
| F 19 | 19 24 | 16 40 | 4 22 | 9 21 | 2 35 | 3 30 | 0 48 | 22 32 | 1 1 | 4 40 | 1 12 | 19 29 | 1 47 | 18 11 | 0 16 | 14 23 | 0 35 | 7 25 | 17 4 | 10 35 | 10 43 | 22 54 | 18 16 | 4 24 |
| S 20 | 19 11 | 11 11 | 3 41 | 8 59 | 2 47 | 3 2 | 0 55 | 22 25 | 1 2 | 4 44 | 1 12 | 19 30 | 1 47 | 18 12 | 0 16 | 14 23 | 0 35 | 7 25 | 17 4 | 10 31 | 10 42 | 22 56 | 18 16 | 4 25 |
| S 21 | 18 57 | 5 7 | 2 47 | 8 40 | 2 59 | 2 34 | 1 2 | 22 19 | 1 2 | 4 47 | 1 11 | 19 31 | 1 47 | 18 12 | 0 16 | 14 24 | 0 35 | 7 25 | 17 5 | 10 29 | 10 40 | 22 58 | 18 17 | 4 25 |
| M22 | 18 42 | 1n16 | 1 43 | 8 22 | 3 11 | 2 6 | 1 9 | 22 12 | 1 2 | 4 50 | 1 11 | 19 32 | 1 47 | 18 13 | 0 16 | 14 25 | 0 35 | 7 26 | 17 5 | 10 28 | 10 39 | 23 0 | 18 17 | 4 25 |
| T 23 | 18 28 | 7 41 | 0 32 | 8 6 | 3 23 | 1 38 | 1 16 | 22 5 | 1 3 | 4 54 | 1 11 | 19 32 | 1 47 | 18 13 | 0 16 | 14 25 | 0 35 | 7 26 | 17 5 | 10 28 | 10 38 | 23 2 | 18 17 | 4 26 |
| W24 | 18 13 | 13 49 | 0n41 | 7 52 | 3 34 | 1 11 | 1 23 | 21 58 | 1 3 | 4 57 | 1 11 | 19 33 | 1 47 | 18 13 | 0 16 | 14 26 | 0 35 | 7 26 | 17 6 | 10 28 | 10 37 | 23 4 | 18 17 | 4 26 |
| T 25 | 17 58 | 19 19 | 1 53 | 7 40 | 3 44 | 0 43 | 1 30 | 21 51 | 1 3 | 5 0 | 1 11 | 19 34 | 1 47 | 18 14 | 0 16 | 14 26 | 0 35 | 7 27 | 17 6 | 10 28 | 10 36 | 23 7 | 18 17 | 4 26 |
| F 26 | 17 42 | 23 47 | 2 59 | 7 30 | 3 55 | 0 16 | 1 38 | 21 44 | 1 3 | 5 4 | 1 10 | 19 35 | 1 48 | 18 14 | 0 16 | 14 27 | 0 35 | 7 27 | 17 6 | 10 27 | 10 35 | 23 9 | 18 17 | 4 27 |
| S 27 | 17 26 | 26 49 | 3 54 | 7 24 | 4 4 | 0s12 | 1 45 | 21 36 | 1 4 | 5 7 | 1 10 | 19 35 | 1 48 | 18 14 | 0 16 | 14 27 | 0 35 | 7 28 | 17 6 | 10 26 | 10 34 | 23 11 | 18 17 | 4 27 |
| S 28 | 17 10 | 28 5 | 4 34 | 7 19 | 4 13 | 0 39 | 1 53 | 21 29 | 1 4 | 5 11 | 1 10 | 19 36 | 1 48 | 18 15 | 0 16 | 14 28 | 0 35 | 7 28 | 17 7 | 10 23 | 10 32 | 23 13 | 18 17 | 4 27 |
| M29 | 16 54 | 27 25 | 4 57 | 7 18 | 4 20 | 1 6 | 2 1 | 21 21 | 1 4 | 5 15 | 1 10 | 19 37 | 1 48 | 18 15 | 0 16 | 14 28 | 0 35 | 7 28 | 17 7 | 10 20 | 10 31 | 23 15 | 18 17 | 4 28 |
| T 30 | 16 37 | 24 58 | 5 1 | 7 19 | 4 27 | 1 33 | 2 8 | 21 13 | 1 5 | 5 18 | 1 9 | 19 37 | 1 48 | 18 15 | 0 16 | 14 29 | 0 35 | 7 29 | 17 7 | 10 16 | 10 30 | 23 17 | 18 17 | 4 28 |
| W31 | 16n20 | 21n 0 | 4n46 | 7n24 | 4s33 | 2s 0 | 2s16 | 21n 5 | 1n 5 | 5s22 | 1n 9 | 19n38 | 1s48 | 18n15 | 0s16 | 14s29 | 0s35 | 7s29 | 17s 8 | 10n12 | 10n29 | 23s19 | 18n17 | 4s29 |

Julian Day Number = 2215422.5, Delta T = 09m04s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'22, Lahiri = 14°50'22 Julian Calendar 1 July 1353 == Greg. Calendar 9 July 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## AUGUST 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 10 3 | 16♌ 8'39 | 28♌39 | 29°R 2 | 0♎35 | 1♌33 | 16♎27 | 6♊12 | 22♉45 | 22°R51 | 21°R29 | 26°R11 | 27♈ 4 | 1♐24 | 15♊31 | T 1 |
| F 2 | 21 14 0 | 17° 6'25 | 12♍ 7 | 28♌24 | 1°22 | 2°11 | 16°36 | 6°16 | 22°46 | 22♒50 | 21♈29 | 26♈ 2 | 27° 1 | 1°30 | 15°34 | F 2 |
| S 3 | 21 17 57 | 18° 4'12 | 25°12 | 27°42 | 2° 9 | 2°50 | 16°45 | 6°20 | 22°47 | 22°48 | 21°28 | 25°56 | 26°57 | 1°37 | 15°37 | S 3 |
| S 4 | 21 21 53 | 19° 2'01 | 7♎55 | 26°55 | 2°55 | 3°28 | 16°55 | 6°24 | 22°48 | 22°46 | 21°28 | 25°52 | 26°54 | 1°44 | 15°40 | S 4 |
| M 5 | 21 25 50 | 19°59'51 | 20°19 | 26° 5 | 3°39 | 4° 6 | 17° 4 | 6°28 | 22°49 | 22°45 | 21°27 | 25°D51 | 26°51 | 1°50 | 15°43 | M 5 |
| T 6 | 21 29 46 | 20°57'42 | 2♏27 | 25°13 | 4°23 | 4°45 | 17°14 | 6°32 | 22°49 | 22°43 | 21°27 | 25°51 | 26°48 | 1°57 | 15°46 | T 6 |
| W 7 | 21 33 43 | 21°55'35 | 14°23 | 24°19 | 5° 6 | 5°23 | 17°24 | 6°36 | 22°50 | 22°41 | 21°26 | 25°51 | 26°45 | 2° 4 | 15°49 | W 7 |
| T 8 | 21 37 39 | 22°53'28 | 26°14 | 23°25 | 5°48 | 6° 1 | 17°34 | 6°40 | 22°51 | 22°40 | 21°26 | 25°R51 | 26°42 | 2°10 | 15°52 | T 8 |
| F 9 | 21 41 36 | 23°51'24 | 8♐ 4 | 22°31 | 6°29 | 6°39 | 17°44 | 6°43 | 22°51 | 22°38 | 21°25 | 25°50 | 26°38 | 2°17 | 15°55 | F 9 |
| S 10 | 21 45 32 | 24°49'20 | 19°59 | 21°39 | 7° 9 | 7°18 | 17°54 | 6°47 | 22°52 | 22°37 | 21°25 | 25°47 | 26°35 | 2°24 | 15°58 | S 10 |
| S 11 | 21 49 29 | 25°47'18 | 2♑ 2 | 20°50 | 7°48 | 7°56 | 18° 4 | 6°50 | 22°52 | 22°35 | 21°24 | 25°42 | 26°32 | 2°30 | 16° 1 | S 11 |
| M12 | 21 53 26 | 26°45'17 | 14°19 | 20° 5 | 8°25 | 8°34 | 18°14 | 6°54 | 22°53 | 22°33 | 21°24 | 25°34 | 26°29 | 2°37 | 16° 3 | M12 |
| T 13 | 21 57 22 | 27°43'18 | 26°52 | 19°25 | 9° 2 | 9°12 | 18°24 | 6°57 | 22°53 | 22°32 | 21°23 | 25°25 | 26°26 | 2°44 | 16° 6 | T 13 |
| W14 | 22 1 19 | 28°41'21 | 9♒42 | 18°51 | 9°37 | 9°50 | 18°35 | 7° 0 | 22°54 | 22°30 | 21°23 | 25°15 | 26°22 | 2°50 | 16° 8 | W14 |
| T 15 | 22 5 15 | 29°39'24 | 22°49 | 18°23 | 10°11 | 10°28 | 18°45 | 7° 3 | 22°54 | 22°28 | 21°22 | 25° 5 | 26°19 | 2°57 | 16°11 | T 15 |
| F 16 | 22 9 12 | 0♍37'30 | 6♓13 | 18° 3 | 10°44 | 11° 7 | 18°56 | 7° 6 | 22°54 | 22°27 | 21°21 | 24°57 | 26°16 | 3° 4 | 16°13 | F 16 |
| S 17 | 22 13 8 | 1°35'37 | 19°50 | 17°51 | 11°15 | 11°45 | 19° 7 | 7° 9 | 22°55 | 22°25 | 21°21 | 24°50 | 26°13 | 3°10 | 16°15 | S 17 |
| S 18 | 22 17 5 | 2°33'46 | 3♈39 | 17°D48 | 11°45 | 12°23 | 19°17 | 7°11 | 22°55 | 22°23 | 21°20 | 24°46 | 26°10 | 3°17 | 16°18 | S 18 |
| M19 | 22 21 1 | 3°31'57 | 17°36 | 17°53 | 12°13 | 13° 1 | 19°28 | 7°14 | 22°55 | 22°22 | 21°19 | 24°44 | 26° 7 | 3°24 | 16°20 | M19 |
| T 20 | 22 24 58 | 4°30'10 | 1♉39 | 18° 7 | 12°40 | 13°39 | 19°39 | 7°16 | 22°55 | 22°20 | 21°18 | 24°D44 | 26° 3 | 3°30 | 16°22 | T 20 |
| W21 | 22 28 55 | 5°28'25 | 15°45 | 18°30 | 13° 5 | 14°17 | 19°50 | 7°19 | 22°R55 | 22°19 | 21°18 | 24°45 | 26° 0 | 3°37 | 16°24 | W21 |
| T 22 | 22 32 51 | 6°26'42 | 29°54 | 19° 1 | 13°28 | 14°55 | 20° 1 | 7°21 | 22°55 | 22°17 | 21°17 | 24°R46 | 25°57 | 3°44 | 16°26 | T 22 |
| F 23 | 22 36 48 | 7°25'02 | 14♊ 4 | 19°41 | 13°50 | 15°33 | 20°12 | 7°23 | 22°55 | 22°16 | 21°16 | 24°46 | 25°54 | 3°50 | 16°28 | F 23 |
| S 24 | 22 40 44 | 8°23'23 | 28°12 | 20°29 | 14°10 | 16°11 | 20°23 | 7°25 | 22°55 | 22°14 | 21°15 | 24°44 | 25°51 | 3°57 | 16°30 | S 24 |
| S 25 | 22 44 41 | 9°21'47 | 12♋18 | 21°25 | 14°28 | 16°49 | 20°35 | 7°27 | 22°54 | 22°12 | 21°15 | 24°41 | 25°47 | 4° 4 | 16°31 | S 25 |
| M26 | 22 48 37 | 10°20'13 | 26°19 | 22°29 | 14°45 | 17°27 | 20°46 | 7°29 | 22°54 | 22°11 | 21°14 | 24°35 | 25°44 | 4°10 | 16°33 | M26 |
| T 27 | 22 52 34 | 11°18'41 | 10♌11 | 23°39 | 14°59 | 18° 5 | 20°57 | 7°31 | 22°54 | 22° 9 | 21°13 | 24°28 | 25°41 | 4°17 | 16°35 | T 27 |
| W28 | 22 56 30 | 12°17'11 | 23°52 | 24°55 | 15°11 | 18°43 | 21° 9 | 7°33 | 22°54 | 22° 8 | 21°12 | 24°21 | 25°38 | 4°24 | 16°36 | W28 |
| T 29 | 23 0 27 | 13°15'43 | 7♍18 | 26°17 | 15°22 | 19°21 | 21°20 | 7°34 | 22°53 | 22° 6 | 21°11 | 24°15 | 25°35 | 4°30 | 16°38 | T 29 |
| F 30 | 23 4 24 | 14°14'17 | 20°28 | 27°44 | 15°30 | 19°58 | 21°32 | 7°36 | 22°53 | 22° 5 | 21°10 | 24° 9 | 25°32 | 4°37 | 16°39 | F 30 |
| S 31 | 23 8 20 | 15♍12'52 | 3♎21 | 29♌15 | 15♎36 | 20♌36 | 21♎44 | 7♊37 | 22♉52 | 22♒ 3 | 21♈10 | 24♈ 5 | 25♈28 | 4♐44 | 16♊40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 3 | 15n58 | 4n15 | 7n31 | 4s37 | 2s27 | 2s25 | 20n57 | 1n 5 | 5s26 | 1n 9 | 19n39 | 1s48 | 18n16 | 0s16 | 14s30 | 0s35 | 7s30 | 17s 8 | 10n 9 | 10n28 | 23s21 | 18n17 | 4s29 |
| F 2 | 15 46 | 10 17 | 3 30 | 7 42 | 4 40 | 2 53 | 2 33 | 20 48 | 1 5 | 5 29 | 1 9 | 19 39 | 1 48 | 18 16 | 0 16 | 14 30 | 0 35 | 7 30 | 17 8 | 10 5 | 10 27 | 23 24 | 18 17 | 4 29 |
| S 3 | 15 28 | 4 17 | 2 35 | 7 55 | 4 41 | 3 19 | 2 41 | 20 40 | 1 6 | 5 33 | 1 9 | 19 40 | 1 48 | 18 16 | 0 16 | 14 31 | 0 35 | 7 31 | 17 9 | 10 3 | 10 25 | 23 26 | 18 17 | 4 30 |
| S 4 | 15 10 | 1s43 | 1 34 | 8 12 | 4 40 | 3 45 | 2 50 | 20 31 | 1 6 | 5 37 | 1 9 | 19 40 | 1 49 | 18 16 | 0 16 | 14 32 | 0 35 | 7 31 | 17 9 | 10 2 | 10 24 | 23 28 | 18 17 | 4 30 |
| M 5 | 14 52 | 7 31 | 0 29 | 8 31 | 4 38 | 4 11 | 2 58 | 20 22 | 1 6 | 5 41 | 1 8 | 19 41 | 1 49 | 18 16 | 0 17 | 14 32 | 0 35 | 7 31 | 17 9 | 10 1 | 10 23 | 23 30 | 18 16 | 4 30 |
| T 6 | 14 34 | 12 55 | 0s35 | 8 52 | 4 33 | 4 36 | 3 7 | 20 13 | 1 6 | 5 45 | 1 8 | 19 42 | 1 49 | 18 17 | 0 17 | 14 33 | 0 35 | 7 32 | 17 10 | 10 1 | 10 22 | 23 32 | 18 16 | 4 31 |
| W 7 | 14 15 | 17 46 | 1 37 | 9 16 | 4 27 | 5 1 | 3 16 | 20 4 | 1 7 | 5 49 | 1 8 | 19 42 | 1 49 | 18 17 | 0 17 | 14 33 | 0 35 | 7 32 | 17 10 | 10 1 | 10 21 | 23 34 | 18 16 | 4 31 |
| T 8 | 13 56 | 21 53 | 2 35 | 9 41 | 4 19 | 5 26 | 3 24 | 19 55 | 1 7 | 5 52 | 1 8 | 19 43 | 1 49 | 18 17 | 0 17 | 14 34 | 0 35 | 7 33 | 17 10 | 10 1 | 10 20 | 23 36 | 18 16 | 4 32 |
| F 9 | 13 37 | 25 7 | 3 26 | 10 8 | 4 9 | 5 51 | 3 33 | 19 46 | 1 7 | 5 56 | 1 8 | 19 43 | 1 49 | 18 17 | 0 17 | 14 34 | 0 35 | 7 33 | 17 11 | 10 1 | 10 19 | 23 38 | 18 16 | 4 32 |
| S 10 | 13 18 | 27 16 | 4 8 | 10 36 | 3 57 | 6 15 | 3 42 | 19 36 | 1 8 | 6 0 | 1 7 | 19 43 | 1 49 | 18 17 | 0 17 | 14 35 | 0 35 | 7 34 | 17 11 | 10 0 | 10 17 | 23 40 | 18 16 | 4 32 |
| S 11 | 12 58 | 28 10 | 4 40 | 11 4 | 3 43 | 6 39 | 3 51 | 19 27 | 1 8 | 6 4 | 1 7 | 19 44 | 1 49 | 18 17 | 0 17 | 14 35 | 0 35 | 7 34 | 17 11 | 9 58 | 10 16 | 23 42 | 18 16 | 4 33 |
| M12 | 12 38 | 27 42 | 4 59 | 11 33 | 3 28 | 7 2 | 4 1 | 19 17 | 1 8 | 6 9 | 1 7 | 19 44 | 1 50 | 18 18 | 0 17 | 14 36 | 0 35 | 7 35 | 17 11 | 9 55 | 10 15 | 23 44 | 18 16 | 4 33 |
| T 13 | 12 18 | 25 50 | 5 5 | 12 0 | 3 12 | 7 25 | 4 10 | 19 7 | 1 8 | 6 13 | 1 7 | 19 45 | 1 50 | 18 18 | 0 17 | 14 36 | 0 35 | 7 35 | 17 12 | 9 52 | 10 14 | 23 46 | 18 15 | 4 34 |
| W14 | 11 58 | 22 37 | 4 55 | 12 27 | 2 55 | 7 47 | 4 19 | 18 57 | 1 9 | 6 17 | 1 7 | 19 45 | 1 50 | 18 18 | 0 17 | 14 37 | 0 35 | 7 36 | 17 12 | 9 48 | 10 13 | 23 48 | 18 15 | 4 34 |
| T 15 | 11 38 | 18 13 | 4 30 | 12 53 | 2 37 | 8 10 | 4 29 | 18 47 | 1 9 | 6 21 | 1 7 | 19 46 | 1 50 | 18 18 | 0 17 | 14 38 | 0 35 | 7 36 | 17 12 | 9 45 | 10 12 | 23 50 | 18 15 | 4 35 |
| F 16 | 11 17 | 12 49 | 3 50 | 13 17 | 2 19 | 8 31 | 4 38 | 18 36 | 1 9 | 6 25 | 1 6 | 19 46 | 1 50 | 18 18 | 0 17 | 14 38 | 0 35 | 7 37 | 17 13 | 9 42 | 10 11 | 23 52 | 18 15 | 4 35 |
| S 17 | 10 57 | 6 44 | 2 56 | 13 38 | 2 0 | 8 52 | 4 47 | 18 26 | 1 9 | 6 29 | 1 6 | 19 46 | 1 50 | 18 18 | 0 17 | 14 39 | 0 35 | 7 37 | 17 13 | 9 39 | 10 9 | 23 54 | 18 15 | 4 35 |
| S 18 | 10 36 | 0 14 | 1 51 | 13 57 | 1 41 | 9 13 | 4 57 | 18 16 | 1 10 | 6 33 | 1 6 | 19 47 | 1 50 | 18 18 | 0 17 | 14 39 | 0 35 | 7 38 | 17 13 | 9 38 | 10 8 | 23 56 | 18 15 | 4 36 |
| M19 | 10 15 | 6n20 | 0 38 | 14 13 | 1 22 | 9 32 | 5 6 | 18 5 | 1 10 | 6 38 | 1 6 | 19 47 | 1 50 | 18 18 | 0 17 | 14 40 | 0 35 | 7 38 | 17 13 | 9 37 | 10 7 | 23 58 | 18 14 | 4 36 |
| T 20 | 9 54 | 12 40 | 0n37 | 14 27 | 1 4 | 9 52 | 5 16 | 17 54 | 1 10 | 6 42 | 1 6 | 19 47 | 1 51 | 18 18 | 0 17 | 14 40 | 0 35 | 7 39 | 17 14 | 9 37 | 10 6 | 24 0 | 18 14 | 4 37 |
| W21 | 9 32 | 18 23 | 1 51 | 14 37 | 0 46 | 10 10 | 5 26 | 17 43 | 1 10 | 6 46 | 1 6 | 19 47 | 1 51 | 18 18 | 0 17 | 14 41 | 0 35 | 7 39 | 17 14 | 9 37 | 10 5 | 24 2 | 18 14 | 4 37 |
| T 22 | 9 11 | 23 6 | 2 58 | 14 43 | 0 28 | 10 28 | 5 35 | 17 32 | 1 10 | 6 51 | 1 5 | 19 48 | 1 51 | 18 18 | 0 17 | 14 41 | 0 35 | 7 40 | 17 14 | 9 38 | 10 4 | 24 4 | 18 14 | 4 38 |
| F 23 | 8 49 | 26 27 | 3 54 | 14 47 | 0 12 | 10 46 | 5 45 | 17 21 | 1 11 | 6 55 | 1 5 | 19 48 | 1 51 | 18 18 | 0 17 | 14 42 | 0 35 | 7 40 | 17 14 | 9 38 | 10 2 | 24 6 | 18 13 | 4 38 |
| S 24 | 8 27 | 28 7 | 4 36 | 14 46 | 0n 4 | 11 2 | 5 54 | 17 10 | 1 11 | 6 59 | 1 5 | 19 48 | 1 51 | 18 18 | 0 17 | 14 42 | 0 35 | 7 41 | 17 15 | 9 37 | 10 1 | 24 8 | 18 13 | 4 39 |
| S 25 | 8 5 | 27 57 | 5 1 | 14 42 | 0 19 | 11 18 | 6 4 | 16 59 | 1 11 | 7 4 | 1 5 | 19 48 | 1 51 | 18 18 | 0 17 | 14 43 | 0 35 | 7 41 | 17 15 | 9 36 | 10 0 | 24 10 | 18 13 | 4 39 |
| M26 | 7 43 | 26 0 | 5 8 | 14 35 | 0 32 | 11 33 | 6 13 | 16 48 | 1 11 | 7 8 | 1 5 | 19 48 | 1 51 | 18 18 | 0 17 | 14 43 | 0 35 | 7 42 | 17 15 | 9 34 | 9 59 | 24 12 | 18 13 | 4 39 |
| T 27 | 7 21 | 22 31 | 4 57 | 14 23 | 0 45 | 11 47 | 6 22 | 16 36 | 1 12 | 7 13 | 1 5 | 19 49 | 1 52 | 18 18 | 0 17 | 14 44 | 0 35 | 7 42 | 17 15 | 9 31 | 9 58 | 24 14 | 18 12 | 4 40 |
| W28 | 6 59 | 17 50 | 4 29 | 14 9 | 0 56 | 12 0 | 6 31 | 16 24 | 1 12 | 7 17 | 1 5 | 19 49 | 1 52 | 18 18 | 0 17 | 14 44 | 0 35 | 7 43 | 17 15 | 9 28 | 9 57 | 24 16 | 18 12 | 4 40 |
| T 29 | 6 36 | 12 21 | 3 46 | 13 51 | 1 7 | 12 13 | 6 40 | 16 13 | 1 12 | 7 21 | 1 4 | 19 49 | 1 52 | 18 18 | 0 17 | 14 45 | 0 35 | 7 43 | 17 16 | 9 26 | 9 55 | 24 18 | 18 12 | 4 41 |
| F 30 | 6 13 | 6 25 | 2 52 | 13 29 | 1 16 | 12 24 | 6 49 | 16 1 | 1 12 | 7 26 | 1 4 | 19 49 | 1 52 | 18 17 | 0 17 | 14 45 | 0 35 | 7 44 | 17 16 | 9 24 | 9 54 | 24 20 | 18 11 | 4 41 |
| S 31 | 5n51 | 0n21 | 1n50 | 13n 5 | 1n24 | 12s34 | 6s58 | 15n49 | 1n12 | 7s30 | 1n 4 | 19n49 | 1s52 | 18n17 | 0s17 | 14s46 | 0s35 | 7s44 | 17s16 | 9n23 | 9n53 | 24s22 | 18n11 | 4s42 |

Julian Day Number = 2215453.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'26, Lahiri = 14°50'26 Julian Calendar 1 Aug. 1353 == Greg. Calendar 9 Aug. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## SEPTEMBER 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 12 17 | 16♍11'30 | 15♎55 | 0♍51 | 15♎40 | 21♌14 | 21♎55 | 7♊38 | 22°R52 | 22°R 2 | 21°R 9 | 24°R 3 | 25♈25 | 4♐50 | 16♊42 | S 1 |
| M 2 | 23 16 13 | 17°10'09 | 28°14 | 2°30 | 15°R41 | 21°52 | 22° 7 | 7°40 | 22♉51 | 22♒ 0 | 21♈ 8 | 24°D 3 | 25°22 | 4°57 | 16°43 | M 2 |
| T 3 | 23 20 10 | 18° 8'51 | 10♏20 | 4°11 | 15°40 | 22°30 | 22°19 | 7°41 | 22°50 | 21°59 | 21° 7 | 24♈ 4 | 25°19 | 5° 4 | 16°44 | T 3 |
| W 4 | 23 24 6 | 19° 7'34 | 22°15 | 5°55 | 15°37 | 23° 8 | 22°31 | 7°42 | 22°50 | 21°57 | 21° 6 | 24° 6 | 25°16 | 5°10 | 16°45 | W 4 |
| T 5 | 23 28 3 | 20° 6'19 | 4♐ 6 | 7°40 | 15°31 | 23°45 | 22°43 | 7°42 | 22°49 | 21°56 | 21° 5 | 24° 8 | 25°13 | 5°17 | 16°46 | T 5 |
| F 6 | 23 31 59 | 21° 5'06 | 15°56 | 9°27 | 15°23 | 24°23 | 22°55 | 7°43 | 22°48 | 21°55 | 21° 4 | 24°R 9 | 25° 9 | 5°24 | 16°47 | F 6 |
| S 7 | 23 35 56 | 22° 3'54 | 27°51 | 11°15 | 15°13 | 25° 1 | 23° 7 | 7°44 | 22°47 | 21°53 | 21° 3 | 24° 9 | 25° 6 | 5°30 | 16°47 | S 7 |
| S 8 | 23 39 53 | 23° 2'44 | 9♑55 | 13° 4 | 15° 0 | 25°39 | 23°19 | 7°44 | 22°47 | 21°52 | 21° 2 | 24° 7 | 25° 3 | 5°37 | 16°48 | S 8 |
| M 9 | 23 43 49 | 24° 1'36 | 22°14 | 14°54 | 14°45 | 26°16 | 23°31 | 7°45 | 22°46 | 21°51 | 21° 1 | 24° 4 | 25° 0 | 5°44 | 16°49 | M 9 |
| T 10 | 23 47 46 | 25° 0'30 | 4♒50 | 16°43 | 14°27 | 26°54 | 23°44 | 7°45 | 22°45 | 21°49 | 21° 0 | 24° 1 | 24°57 | 5°51 | 16°49 | T 10 |
| W11 | 23 51 42 | 25°59'26 | 17°47 | 18°33 | 14° 8 | 27°32 | 23°56 | 7°45 | 22°44 | 21°48 | 20°59 | 23°56 | 24°53 | 5°57 | 16°50 | W11 |
| T 12 | 23 55 39 | 26°58'23 | 1♓ 5 | 20°22 | 13°45 | 28° 9 | 24° 8 | 7°R45 | 22°43 | 21°47 | 20°58 | 23°52 | 24°50 | 6° 4 | 16°50 | T 12 |
| F 13 | 23 59 35 | 27°57'23 | 14°45 | 22°11 | 13°21 | 28°47 | 24°21 | 7°45 | 22°41 | 21°45 | 20°57 | 23°48 | 24°47 | 6°11 | 16°51 | F 13 |
| S 14 | 0 3 32 | 28°56'24 | 28°44 | 23°59 | 12°55 | 29°25 | 24°33 | 7°45 | 22°40 | 21°44 | 20°56 | 23°45 | 24°44 | 6°17 | 16°51 | S 14 |
| S 15 | 0 7 28 | 29°55'27 | 12♈57 | 25°48 | 12°27 | 0♍ 2 | 24°46 | 7°44 | 22°39 | 21°43 | 20°55 | 23°44 | 24°41 | 6°24 | 16°51 | S 15 |
| M16 | 0 11 25 | 0♎54'33 | 27°22 | 27°35 | 11°57 | 0°40 | 24°58 | 7°44 | 22°38 | 21°42 | 20°54 | 23°D44 | 24°38 | 6°31 | 16°51 | M16 |
| T 17 | 0 15 21 | 1°53'40 | 11♉51 | 29°22 | 11°25 | 1°17 | 25°11 | 7°43 | 22°37 | 21°41 | 20°53 | 23°44 | 24°34 | 6°37 | 16°R51 | T 17 |
| W18 | 0 19 18 | 2°52'51 | 26°20 | 1♏ 8 | 10°53 | 1°55 | 25°23 | 7°43 | 22°35 | 21°40 | 20°52 | 23°45 | 24°31 | 6°44 | 16°51 | W18 |
| T 19 | 0 23 15 | 3°52'03 | 10♊45 | 2°54 | 10°18 | 2°33 | 25°36 | 7°42 | 22°34 | 21°38 | 20°51 | 23°47 | 24°28 | 6°51 | 16°51 | T 19 |
| F 20 | 0 27 11 | 4°51'18 | 25° 2 | 4°39 | 9°43 | 3°10 | 25°48 | 7°41 | 22°32 | 21°37 | 20°50 | 23°48 | 24°25 | 6°57 | 16°51 | F 20 |
| S 21 | 0 31 8 | 5°50'35 | 9♋ 9 | 6°23 | 9° 8 | 3°48 | 26° 1 | 7°40 | 22°31 | 21°36 | 20°49 | 23°R48 | 24°22 | 7° 4 | 16°50 | S 21 |
| S 22 | 0 35 4 | 6°49'55 | 23° 3 | 8° 6 | 8°31 | 4°25 | 26°14 | 7°39 | 22°29 | 21°35 | 20°47 | 23°47 | 24°19 | 7°11 | 16°50 | S 22 |
| M23 | 0 39 1 | 7°49'17 | 6♌45 | 9°48 | 7°55 | 5° 3 | 26°27 | 7°38 | 22°28 | 21°34 | 20°46 | 23°46 | 24°15 | 7°17 | 16°50 | M23 |
| T 24 | 0 42 57 | 8°48'41 | 20°14 | 11°30 | 7°18 | 5°40 | 26°40 | 7°37 | 22°26 | 21°33 | 20°45 | 23°44 | 24°12 | 7°24 | 16°49 | T 24 |
| W25 | 0 46 54 | 9°48'08 | 3♍29 | 13°11 | 6°41 | 6°18 | 26°52 | 7°35 | 22°25 | 21°32 | 20°44 | 23°42 | 24° 9 | 7°31 | 16°48 | W25 |
| T 26 | 0 50 50 | 10°47'37 | 16°31 | 14°52 | 6° 5 | 6°55 | 27° 5 | 7°34 | 22°23 | 21°31 | 20°43 | 23°40 | 24° 6 | 7°37 | 16°48 | T 26 |
| F 27 | 0 54 47 | 11°47'08 | 29°19 | 16°31 | 5°30 | 7°33 | 27°18 | 7°32 | 22°21 | 21°30 | 20°42 | 23°39 | 24° 3 | 7°44 | 16°47 | F 27 |
| S 28 | 0 58 44 | 12°46'41 | 11♎53 | 18°10 | 4°55 | 8°10 | 27°31 | 7°31 | 22°19 | 21°29 | 20°41 | 23°38 | 23°59 | 7°51 | 16°46 | S 28 |
| S 29 | 1 2 40 | 13°46'16 | 24°14 | 19°49 | 4°22 | 8°47 | 27°44 | 7°29 | 22°18 | 21°29 | 20°40 | 23°D38 | 23°56 | 7°57 | 16°45 | S 29 |
| M30 | 1 6 37 | 14♎45'53 | 6♏25 | 21♎26 | 3♎50 | 9♍25 | 27♎57 | 7♊27 | 22♉16 | 21♒28 | 20♈38 | 23♈38 | 23♈53 | 8♐ 4 | 16♊44 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n28 | 5s36 | 0n44 | 12n38 | 1n31 | 12s44 | 7s 6 | 15n37 | 1n13 | 7s35 | 1n 4 | 19n49 | 1s52 | 18n17 | 0s17 | 14s46 | 0s35 | 7s45 | 17s16 | 9n22 | 9n52 | 24s24 | 18n11 | 4s42 |
| M 2 | 5 5 | 11 14 | 0s23 | 12 8 | 1 37 | 12 52 | 7 14 | 15 25 | 1 13 | 7 39 | 1 4 | 19 49 | 1 52 | 18 17 | 0 17 | 14 47 | 0 35 | 7 45 | 17 16 | 9 22 | 9 51 | 24 26 | 18 10 | 4 43 |
| T 3 | 4 42 | 16 21 | 1 28 | 11 35 | 1 41 | 12 59 | 7 22 | 15 13 | 1 13 | 7 44 | 1 4 | 19 49 | 1 52 | 18 17 | 0 17 | 14 47 | 0 35 | 7 46 | 17 17 | 9 22 | 9 50 | 24 28 | 18 10 | 4 43 |
| W 4 | 4 19 | 20 47 | 2 28 | 11 0 | 1 45 | 13 4 | 7 30 | 15 1 | 1 13 | 7 49 | 1 4 | 19 49 | 1 53 | 18 17 | 0 17 | 14 48 | 0 35 | 7 46 | 17 17 | 9 23 | 9 48 | 24 29 | 18 10 | 4 44 |
| T 5 | 3 56 | 24 20 | 3 21 | 10 24 | 1 48 | 13 9 | 7 37 | 14 48 | 1 13 | 7 53 | 1 4 | 19 49 | 1 53 | 18 16 | 0 17 | 14 48 | 0 35 | 7 47 | 17 17 | 9 23 | 9 47 | 24 31 | 18 9 | 4 44 |
| F 6 | 3 33 | 26 52 | 4 6 | 9 45 | 1 50 | 13 12 | 7 44 | 14 36 | 1 14 | 7 58 | 1 3 | 19 49 | 1 53 | 18 16 | 0 17 | 14 49 | 0 35 | 7 47 | 17 17 | 9 24 | 9 46 | 24 33 | 18 9 | 4 45 |
| S 7 | 3 10 | 28 11 | 4 41 | 9 5 | 1 51 | 13 14 | 7 50 | 14 23 | 1 14 | 8 2 | 1 3 | 19 49 | 1 53 | 18 16 | 0 17 | 14 49 | 0 35 | 7 48 | 17 17 | 9 24 | 9 45 | 24 35 | 18 8 | 4 45 |
| S 8 | 2 46 | 28 12 | 5 4 | 8 23 | 1 52 | 13 14 | 7 56 | 14 11 | 1 14 | 8 7 | 1 3 | 19 49 | 1 53 | 18 16 | 0 17 | 14 50 | 0 35 | 7 48 | 17 18 | 9 23 | 9 44 | 24 37 | 18 8 | 4 46 |
| M 9 | 2 23 | 26 50 | 5 13 | 7 41 | 1 51 | 13 13 | 8 1 | 13 58 | 1 14 | 8 11 | 1 3 | 19 49 | 1 53 | 18 16 | 0 17 | 14 50 | 0 35 | 7 49 | 17 18 | 9 22 | 9 43 | 24 39 | 18 8 | 4 46 |
| T 10 | 1 59 | 24 6 | 5 7 | 6 57 | 1 50 | 13 10 | 8 6 | 13 45 | 1 14 | 8 16 | 1 3 | 19 49 | 1 53 | 18 15 | 0 17 | 14 50 | 0 35 | 7 49 | 17 18 | 9 21 | 9 41 | 24 41 | 18 7 | 4 46 |
| W11 | 1 36 | 20 6 | 4 47 | 6 13 | 1 48 | 13 6 | 8 10 | 13 32 | 1 15 | 8 21 | 1 3 | 19 49 | 1 54 | 18 15 | 0 17 | 14 51 | 0 35 | 7 50 | 17 18 | 9 19 | 9 40 | 24 43 | 18 7 | 4 47 |
| T 12 | 1 12 | 15 1 | 4 10 | 5 27 | 1 46 | 13 1 | 8 14 | 13 20 | 1 15 | 8 25 | 1 3 | 19 49 | 1 54 | 18 15 | 0 17 | 14 51 | 0 35 | 7 50 | 17 18 | 9 18 | 9 39 | 24 44 | 18 6 | 4 47 |
| F 13 | 0 49 | 9 4 | 3 18 | 4 42 | 1 43 | 12 54 | 8 16 | 13 7 | 1 15 | 8 30 | 1 3 | 19 48 | 1 54 | 18 14 | 0 17 | 14 52 | 0 35 | 7 51 | 17 18 | 9 16 | 9 38 | 24 46 | 18 6 | 4 48 |
| S 14 | 0 25 | 2 33 | 2 13 | 3 56 | 1 40 | 12 45 | 8 18 | 12 54 | 1 15 | 8 35 | 1 2 | 19 48 | 1 54 | 18 14 | 0 17 | 14 52 | 0 35 | 7 51 | 17 18 | 9 15 | 9 37 | 24 48 | 18 5 | 4 48 |
| S 15 | 0 2 | 4n14 | 0 59 | 3 9 | 1 36 | 12 35 | 8 20 | 12 40 | 1 15 | 8 39 | 1 2 | 19 48 | 1 54 | 18 14 | 0 17 | 14 52 | 0 35 | 7 52 | 17 19 | 9 15 | 9 36 | 24 50 | 18 5 | 4 49 |
| M16 | 0s22 | 10 53 | 0n20 | 2 23 | 1 32 | 12 24 | 8 20 | 12 27 | 1 16 | 8 44 | 1 2 | 19 48 | 1 54 | 18 14 | 0 17 | 14 53 | 0 35 | 7 52 | 17 19 | 9 15 | 9 34 | 24 52 | 18 4 | 4 49 |
| T 17 | 0 45 | 17 0 | 1 38 | 1 36 | 1 28 | 12 11 | 8 19 | 12 14 | 1 16 | 8 49 | 1 2 | 19 48 | 1 54 | 18 13 | 0 17 | 14 53 | 0 35 | 7 53 | 17 19 | 9 15 | 9 33 | 24 54 | 18 4 | 4 50 |
| W18 | 1 9 | 22 10 | 2 50 | 0 49 | 1 23 | 11 56 | 8 18 | 12 1 | 1 16 | 8 53 | 1 2 | 19 48 | 1 55 | 18 13 | 0 17 | 14 54 | 0 35 | 7 53 | 17 19 | 9 15 | 9 32 | 24 55 | 18 4 | 4 50 |
| T 19 | 1 33 | 25 57 | 3 51 | 0 2 | 1 18 | 11 41 | 8 16 | 11 47 | 1 16 | 8 58 | 1 2 | 19 47 | 1 55 | 18 13 | 0 17 | 14 54 | 0 35 | 7 53 | 17 19 | 9 16 | 9 31 | 24 57 | 18 3 | 4 51 |
| F 20 | 1 56 | 28 3 | 4 37 | 0s44 | 1 13 | 11 24 | 8 13 | 11 34 | 1 16 | 9 3 | 1 2 | 19 47 | 1 55 | 18 12 | 0 17 | 14 54 | 0 35 | 7 54 | 17 19 | 9 16 | 9 30 | 24 59 | 18 3 | 4 51 |
| S 21 | 2 20 | 28 17 | 5 6 | 1 31 | 1 7 | 11 6 | 8 8 | 11 20 | 1 16 | 9 8 | 1 2 | 19 47 | 1 55 | 18 12 | 0 17 | 14 55 | 0 35 | 7 54 | 17 19 | 9 16 | 9 29 | 25 1 | 18 2 | 4 52 |
| S 22 | 2 43 | 26 44 | 5 16 | 2 17 | 1 1 | 10 47 | 8 3 | 11 7 | 1 17 | 9 12 | 1 2 | 19 46 | 1 55 | 18 11 | 0 17 | 14 55 | 0 35 | 7 55 | 17 19 | 9 16 | 9 27 | 25 3 | 18 2 | 4 52 |
| M23 | 3 7 | 23 36 | 5 8 | 3 3 | 0 55 | 10 27 | 7 57 | 10 53 | 1 17 | 9 17 | 1 2 | 19 46 | 1 55 | 18 11 | 0 17 | 14 55 | 0 35 | 7 55 | 17 19 | 9 15 | 9 26 | 25 4 | 18 1 | 4 53 |
| T 24 | 3 30 | 19 15 | 4 43 | 3 49 | 0 49 | 10 6 | 7 51 | 10 39 | 1 17 | 9 22 | 1 2 | 19 46 | 1 55 | 18 11 | 0 17 | 14 56 | 0 35 | 7 56 | 17 19 | 9 15 | 9 25 | 25 6 | 18 1 | 4 53 |
| W25 | 3 54 | 14 2 | 4 3 | 4 34 | 0 43 | 9 44 | 7 43 | 10 26 | 1 17 | 9 26 | 1 1 | 19 45 | 1 55 | 18 10 | 0 17 | 14 56 | 0 35 | 7 56 | 17 19 | 9 14 | 9 24 | 25 8 | 18 0 | 4 54 |
| T 26 | 4 17 | 8 17 | 3 11 | 5 19 | 0 37 | 9 22 | 7 34 | 10 12 | 1 17 | 9 31 | 1 1 | 19 45 | 1 55 | 18 10 | 0 17 | 14 56 | 0 35 | 7 57 | 17 19 | 9 13 | 9 23 | 25 10 | 17 59 | 4 54 |
| F 27 | 4 41 | 2 16 | 2 11 | 6 3 | 0 30 | 9 0 | 7 25 | 9 58 | 1 17 | 9 36 | 1 1 | 19 45 | 1 56 | 18 9 | 0 17 | 14 56 | 0 35 | 7 57 | 17 20 | 9 13 | 9 22 | 25 11 | 17 59 | 4 54 |
| S 28 | 5 4 | 3s43 | 1 5 | 6 47 | 0 23 | 8 37 | 7 15 | 9 44 | 1 17 | 9 41 | 1 1 | 19 44 | 1 56 | 18 9 | 0 17 | 14 57 | 0 35 | 7 58 | 17 20 | 9 12 | 9 20 | 25 13 | 17 58 | 4 55 |
| S 29 | 5 27 | 9 29 | 0s 3 | 7 31 | 0 17 | 8 14 | 7 4 | 9 30 | 1 18 | 9 45 | 1 1 | 19 44 | 1 56 | 18 8 | 0 17 | 14 57 | 0 35 | 7 58 | 17 20 | 9 12 | 9 19 | 25 15 | 17 58 | 4 55 |
| M30 | 5s50 | 14s49 | 1s10 | 8s14 | 0n10 | 7s50 | 6s53 | 9n16 | 1n18 | 9s50 | 1n 1 | 19n44 | 1s56 | 18n 8 | 0s17 | 14s57 | 0s35 | 7s59 | 17s20 | 9n12 | 9n18 | 25s17 | 17n57 | 4s56 |

Julian Day Number = 2215484.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'30, Lahiri = 14°50'31 Julian Calendar 1 Sept. 1353 == Greg. Calendar 9 Sept. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## OCTOBER 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 10 33 | 15♎45'32 | 18♏25 | 23♎ 3 | 3°R20 | 10♍ 2 | 28♎10 | 7°R25 | 22°R14 | 21°R27 | 20°R37 | 23♈39 | 23♈50 | 8♐11 | 16°R43 | T 1 |
| W 2 | 1 14 30 | 16°45'13 | 0♐19 | 24°40 | 2♎51 | 10°39 | 28°23 | 7♊23 | 22♉12 | 21♒26 | 20♈36 | 23°39 | 23°47 | 8°17 | 16♊42 | W 2 |
| T 3 | 1 18 26 | 17°44'56 | 12° 9 | 26°15 | 2°24 | 11°17 | 28°36 | 7°20 | 22°10 | 21°25 | 20°35 | 23°40 | 23°44 | 8°24 | 16°41 | T 3 |
| F 4 | 1 22 23 | 18°44'41 | 23°58 | 27°50 | 1°59 | 11°54 | 28°49 | 7°18 | 22° 8 | 21°25 | 20°34 | 23°41 | 23°40 | 8°31 | 16°39 | F 4 |
| S 5 | 1 26 19 | 19°44'27 | 5♑52 | 29°25 | 1°36 | 12°31 | 29° 2 | 7°16 | 22° 6 | 21°24 | 20°33 | 23°41 | 23°37 | 8°38 | 16°38 | S 5 |
| S 6 | 1 30 16 | 20°44'16 | 17°54 | 0♏59 | 1°15 | 13° 9 | 29°15 | 7°13 | 22° 4 | 21°23 | 20°32 | 23°R41 | 23°34 | 8°44 | 16°37 | S 6 |
| M 7 | 1 34 13 | 21°44'06 | 0♒ 9 | 2°32 | 0°56 | 13°46 | 29°28 | 7°10 | 22° 2 | 21°23 | 20°30 | 23°41 | 23°31 | 8°51 | 16°35 | M 7 |
| T 8 | 1 38 9 | 22°43'57 | 12°42 | 4° 5 | 0°40 | 14°23 | 29°41 | 7° 8 | 22° 0 | 21°22 | 20°29 | 23°41 | 23°28 | 8°58 | 16°34 | T 8 |
| W 9 | 1 42 6 | 23°43'51 | 25°37 | 5°38 | 0°27 | 15° 0 | 29°55 | 7° 5 | 21°58 | 21°22 | 20°28 | 23°D41 | 23°25 | 9° 4 | 16°32 | W 9 |
| T 10 | 1 46 2 | 24°43'46 | 8♓56 | 7°10 | 0°15 | 15°38 | 0♏ 8 | 7° 2 | 21°56 | 21°21 | 20°27 | 23°41 | 23°21 | 9°11 | 16°30 | T 10 |
| F 11 | 1 49 59 | 25°43'43 | 22°40 | 8°41 | 0° 6 | 16°15 | 0°21 | 6°59 | 21°54 | 21°21 | 20°26 | 23°41 | 23°18 | 9°18 | 16°28 | F 11 |
| S 12 | 1 53 55 | 26°43'41 | 6♈50 | 10°12 | 0° 0 | 16°52 | 0°34 | 6°56 | 21°51 | 21°20 | 20°25 | 23°41 | 23°15 | 9°24 | 16°26 | S 12 |
| S 13 | 1 57 52 | 27°43'41 | 21°21 | 11°42 | 29♍56 | 17°29 | 0°47 | 6°53 | 21°49 | 21°20 | 20°24 | 23°R41 | 23°12 | 9°31 | 16°24 | S 13 |
| M14 | 2 1 48 | 28°43'44 | 6♉ 8 | 13°12 | 29°D55 | 18° 6 | 1° 0 | 6°49 | 21°47 | 21°19 | 20°23 | 23°41 | 23° 9 | 9°38 | 16°22 | M14 |
| T 15 | 2 5 45 | 29°43'48 | 21° 4 | 14°41 | 29°56 | 18°43 | 1°14 | 6°46 | 21°45 | 21°19 | 20°21 | 23°41 | 23° 5 | 9°44 | 16°20 | T 15 |
| W16 | 2 9 42 | 0♏43'54 | 6♊ 0 | 16°10 | 29°59 | 19°20 | 1°27 | 6°43 | 21°42 | 21°19 | 20°20 | 23°40 | 23° 2 | 9°51 | 16°18 | W16 |
| T 17 | 2 13 38 | 1°44'03 | 20°49 | 17°38 | 0♎ 5 | 19°58 | 1°40 | 6°39 | 21°40 | 21°18 | 20°19 | 23°39 | 22°59 | 9°58 | 16°16 | T 17 |
| F 18 | 2 17 35 | 2°44'13 | 5♋24 | 19° 6 | 0°13 | 20°35 | 1°53 | 6°35 | 21°38 | 21°18 | 20°18 | 23°39 | 22°56 | 10° 4 | 16°14 | F 18 |
| S 19 | 2 21 31 | 3°44'26 | 19°41 | 20°33 | 0°23 | 21°12 | 2° 6 | 6°32 | 21°36 | 21°18 | 20°17 | 23°38 | 22°53 | 10°11 | 16°11 | S 19 |
| S 20 | 2 25 28 | 4°44'41 | 3♌38 | 22° 0 | 0°36 | 21°49 | 2°20 | 6°28 | 21°33 | 21°18 | 20°16 | 23°D37 | 22°50 | 10°18 | 16° 9 | S 20 |
| M21 | 2 29 24 | 5°44'57 | 17°13 | 23°26 | 0°50 | 22°26 | 2°33 | 6°24 | 21°31 | 21°17 | 20°15 | 23°38 | 22°46 | 10°25 | 16° 7 | M21 |
| T 22 | 2 33 21 | 6°45'16 | 0♍28 | 24°51 | 1° 7 | 23° 3 | 2°46 | 6°20 | 21°28 | 21°17 | 20°14 | 23°38 | 22°43 | 10°31 | 16° 4 | T 22 |
| W23 | 2 37 17 | 7°45'37 | 13°25 | 26°16 | 1°26 | 23°40 | 2°59 | 6°16 | 21°26 | 21°17 | 20°13 | 23°40 | 22°40 | 10°38 | 16° 1 | W23 |
| T 24 | 2 41 14 | 8°45'59 | 26° 6 | 27°40 | 1°47 | 24°17 | 3°12 | 6°12 | 21°23 | 21°17 | 20°12 | 23°41 | 22°37 | 10°45 | 15°59 | T 24 |
| F 25 | 2 45 11 | 9°46'24 | 8♎34 | 29° 3 | 2° 9 | 24°54 | 3°26 | 6° 8 | 21°21 | 21°17 | 20°10 | 23°42 | 22°34 | 10°51 | 15°56 | F 25 |
| S 26 | 2 49 7 | 10°46'50 | 20°51 | 0♐25 | 2°34 | 25°31 | 3°39 | 6° 4 | 21°19 | 21°D17 | 20° 9 | 23°R43 | 22°30 | 10°58 | 15°53 | S 26 |
| S 27 | 2 53 4 | 11°47'19 | 2♏59 | 1°46 | 3° 0 | 26° 7 | 3°52 | 6° 0 | 21°16 | 21°17 | 20° 8 | 23°42 | 22°27 | 11° 5 | 15°51 | S 27 |
| M28 | 2 57 0 | 12°47'49 | 14°59 | 3° 6 | 3°28 | 26°44 | 4° 5 | 5°55 | 21°14 | 21°17 | 20° 7 | 23°41 | 22°24 | 11°11 | 15°48 | M28 |
| T 29 | 3 0 57 | 13°48'20 | 26°54 | 4°25 | 3°57 | 27°21 | 4°18 | 5°51 | 21°11 | 21°17 | 20° 6 | 23°39 | 22°21 | 11°18 | 15°45 | T 29 |
| W30 | 3 4 53 | 14°48'53 | 8♐45 | 5°42 | 4°28 | 27°58 | 4°31 | 5°47 | 21° 9 | 21°17 | 20° 5 | 23°36 | 22°18 | 11°25 | 15°42 | W30 |
| T 31 | 3 8 50 | 15♏49'28 | 20♐34 | 6♐58 | 5♎ 1 | 28♍35 | 4♏44 | 5♊42 | 21♉ 6 | 21♒18 | 20♈ 4 | 23♈32 | 22♈15 | 11♐31 | 15♊39 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s13 | 19s30 | 2s13 | 8s57 | 0n 3 | 7s27 | 6s41 | 9n 2 | 1n18 | 9s55 | 1n 1 | 19n43 | 1s56 | 18n 7 | 0s17 | 14s58 | 0s35 | 7s59 | 17s20 | 9n13 | 9n17 | 25s18 | 17n57 | 4s56 |
| W 2 | 6 36 | 23 23 | 3 10 | 9 38 | 0s 4 | 7 4 | 6 29 | 8 48 | 1 18 | 9 59 | 1 1 | 19 43 | 1 56 | 18 7 | 0 17 | 14 58 | 0 35 | 7 59 | 17 20 | 9 13 | 9 16 | 25 20 | 17 56 | 4 57 |
| T 3 | 6 59 | 26 16 | 3 58 | 10 20 | 0 10 | 6 42 | 6 16 | 8 34 | 1 18 | 10 4 | 1 1 | 19 42 | 1 56 | 18 6 | 0 17 | 14 58 | 0 35 | 8 0 | 17 20 | 9 13 | 9 15 | 25 22 | 17 56 | 4 57 |
| F 4 | 7 22 | 27 59 | 4 36 | 11 1 | 0 17 | 6 20 | 6 3 | 8 20 | 1 18 | 10 9 | 1 1 | 19 42 | 1 56 | 18 6 | 0 17 | 14 58 | 0 35 | 8 0 | 17 20 | 9 13 | 9 13 | 25 23 | 17 55 | 4 58 |
| S 5 | 7 45 | 28 26 | 5 2 | 11 41 | 0 24 | 5 58 | 5 49 | 8 6 | 1 18 | 10 13 | 1 1 | 19 41 | 1 56 | 18 5 | 0 17 | 14 58 | 0 35 | 8 1 | 17 20 | 9 14 | 9 12 | 25 25 | 17 54 | 4 58 |
| S 6 | 8 8 | 27 32 | 5 16 | 12 20 | 0 31 | 5 37 | 5 35 | 7 51 | 1 19 | 10 18 | 1 1 | 19 41 | 1 57 | 18 5 | 0 17 | 14 59 | 0 35 | 8 1 | 17 20 | 9 14 | 9 11 | 25 27 | 17 54 | 4 59 |
| M 7 | 8 30 | 25 19 | 5 15 | 12 59 | 0 37 | 5 17 | 5 21 | 7 37 | 1 19 | 10 23 | 1 1 | 19 40 | 1 57 | 18 4 | 0 17 | 14 59 | 0 35 | 8 1 | 17 20 | 9 14 | 9 10 | 25 28 | 17 53 | 4 59 |
| T 8 | 8 52 | 21 51 | 5 0 | 13 37 | 0 44 | 4 57 | 5 7 | 7 23 | 1 19 | 10 28 | 1 1 | 19 40 | 1 57 | 18 4 | 0 17 | 14 59 | 0 35 | 8 2 | 17 20 | 9 14 | 9 9 | 25 30 | 17 53 | 4 59 |
| W 9 | 9 15 | 17 15 | 4 30 | 14 15 | 0 51 | 4 38 | 4 52 | 7 8 | 1 19 | 10 32 | 1 0 | 19 39 | 1 57 | 18 3 | 0 17 | 14 59 | 0 35 | 8 2 | 17 20 | 9 14 | 9 7 | 25 32 | 17 52 | 5 0 |
| T 10 | 9 37 | 11 42 | 3 44 | 14 51 | 0 57 | 4 21 | 4 38 | 6 54 | 1 19 | 10 37 | 1 0 | 19 39 | 1 57 | 18 3 | 0 17 | 14 59 | 0 35 | 8 3 | 17 20 | 9 14 | 9 6 | 25 33 | 17 52 | 5 0 |
| F 11 | 9 59 | 5 25 | 2 44 | 15 27 | 1 4 | 4 4 | 4 23 | 6 40 | 1 19 | 10 42 | 1 0 | 19 38 | 1 57 | 18 2 | 0 17 | 15 0 | 0 35 | 8 3 | 17 20 | 9 14 | 9 5 | 25 35 | 17 51 | 5 1 |
| S 12 | 10 21 | 1n19 | 1 32 | 16 2 | 1 10 | 3 48 | 4 9 | 6 25 | 1 19 | 10 46 | 1 0 | 19 37 | 1 57 | 18 2 | 0 17 | 15 0 | 0 35 | 8 3 | 17 19 | 9 14 | 9 4 | 25 37 | 17 50 | 5 1 |
| S 13 | 10 42 | 8 9 | 0 13 | 16 37 | 1 16 | 3 33 | 3 55 | 6 11 | 1 19 | 10 51 | 1 0 | 19 37 | 1 57 | 18 1 | 0 17 | 15 0 | 0 35 | 8 4 | 17 19 | 9 14 | 9 3 | 25 38 | 17 50 | 5 2 |
| M14 | 11 4 | 14 41 | 1n 9 | 17 10 | 1 23 | 3 20 | 3 40 | 5 56 | 1 20 | 10 56 | 1 0 | 19 36 | 1 57 | 18 0 | 0 17 | 15 0 | 0 35 | 8 4 | 17 19 | 9 14 | 9 2 | 25 40 | 17 49 | 5 2 |
| T 15 | 11 25 | 20 26 | 2 26 | 17 43 | 1 29 | 3 7 | 3 26 | 5 42 | 1 20 | 11 0 | 1 0 | 19 36 | 1 57 | 18 0 | 0 17 | 15 0 | 0 35 | 8 4 | 17 19 | 9 14 | 9 0 | 25 42 | 17 48 | 5 2 |
| W16 | 11 46 | 24 54 | 3 34 | 18 14 | 1 34 | 2 56 | 3 12 | 5 27 | 1 20 | 11 5 | 1 0 | 19 35 | 1 57 | 17 59 | 0 17 | 15 0 | 0 35 | 8 5 | 17 19 | 9 13 | 8 59 | 25 43 | 17 48 | 5 3 |
| T 17 | 12 7 | 27 38 | 4 27 | 18 45 | 1 40 | 2 46 | 2 58 | 5 13 | 1 20 | 11 9 | 1 0 | 19 34 | 1 57 | 17 59 | 0 17 | 15 0 | 0 35 | 8 5 | 17 19 | 9 13 | 8 58 | 25 45 | 17 47 | 5 3 |
| F 18 | 12 28 | 28 26 | 5 1 | 19 15 | 1 46 | 2 36 | 2 45 | 4 58 | 1 20 | 11 14 | 1 0 | 19 34 | 1 57 | 17 58 | 0 17 | 15 0 | 0 35 | 8 5 | 17 19 | 9 13 | 8 57 | 25 47 | 17 47 | 5 4 |
| S 19 | 12 49 | 27 17 | 5 16 | 19 44 | 1 51 | 2 28 | 2 32 | 4 44 | 1 20 | 11 19 | 1 0 | 19 33 | 1 57 | 17 58 | 0 17 | 15 0 | 0 35 | 8 6 | 17 19 | 9 12 | 8 56 | 25 48 | 17 46 | 5 4 |
| S 20 | 13 9 | 24 28 | 5 12 | 20 12 | 1 56 | 2 21 | 2 18 | 4 29 | 1 20 | 11 23 | 1 0 | 19 32 | 1 57 | 17 57 | 0 17 | 15 0 | 0 35 | 8 6 | 17 19 | 9 12 | 8 54 | 25 50 | 17 45 | 5 4 |
| M21 | 13 29 | 20 20 | 4 51 | 20 39 | 2 1 | 2 15 | 2 6 | 4 15 | 1 20 | 11 28 | 1 0 | 19 32 | 1 58 | 17 56 | 0 17 | 15 0 | 0 35 | 8 6 | 17 19 | 9 12 | 8 53 | 25 51 | 17 45 | 5 5 |
| T 22 | 13 49 | 15 18 | 4 14 | 21 5 | 2 6 | 2 10 | 1 53 | 4 0 | 1 20 | 11 32 | 1 0 | 19 31 | 1 58 | 17 56 | 0 17 | 15 1 | 0 35 | 8 7 | 17 19 | 9 13 | 8 52 | 25 53 | 17 44 | 5 5 |
| W23 | 14 9 | 9 42 | 3 25 | 21 30 | 2 10 | 2 7 | 1 41 | 3 45 | 1 20 | 11 37 | 1 0 | 19 30 | 1 58 | 17 55 | 0 17 | 15 1 | 0 35 | 8 7 | 17 19 | 9 13 | 8 51 | 25 54 | 17 44 | 5 5 |
| T 24 | 14 28 | 3 48 | 2 27 | 21 53 | 2 14 | 2 4 | 1 29 | 3 31 | 1 21 | 11 41 | 1 0 | 19 29 | 1 58 | 17 54 | 0 17 | 15 1 | 0 35 | 8 7 | 17 18 | 9 14 | 8 50 | 25 56 | 17 43 | 5 6 |
| F 25 | 14 48 | 2s 8 | 1 23 | 22 16 | 2 18 | 2 2 | 1 17 | 3 16 | 1 21 | 11 46 | 1 0 | 19 29 | 1 58 | 17 54 | 0 17 | 15 1 | 0 35 | 8 7 | 17 18 | 9 14 | 8 49 | 25 58 | 17 42 | 5 6 |
| S 26 | 15 7 | 7 55 | 0 16 | 22 37 | 2 22 | 2 1 | 1 6 | 3 2 | 1 21 | 11 50 | 1 0 | 19 28 | 1 58 | 17 53 | 0 17 | 15 1 | 0 35 | 8 8 | 17 18 | 9 14 | 8 47 | 25 59 | 17 42 | 5 7 |
| S 27 | 15 26 | 13 21 | 0s51 | 22 57 | 2 25 | 2 2 | 0 54 | 2 47 | 1 21 | 11 55 | 1 0 | 19 27 | 1 58 | 17 52 | 0 17 | 15 1 | 0 35 | 8 8 | 17 18 | 9 14 | 8 46 | 26 1 | 17 41 | 5 7 |
| M28 | 15 44 | 18 13 | 1 55 | 23 16 | 2 28 | 2 3 | 0 44 | 2 32 | 1 21 | 11 59 | 1 0 | 19 26 | 1 58 | 17 52 | 0 17 | 15 1 | 0 35 | 8 8 | 17 18 | 9 14 | 8 45 | 26 2 | 17 40 | 5 7 |
| T 29 | 16 2 | 22 20 | 2 53 | 23 33 | 2 30 | 2 5 | 0 33 | 2 18 | 1 21 | 12 4 | 1 0 | 19 26 | 1 58 | 17 51 | 0 17 | 15 0 | 0 35 | 8 8 | 17 18 | 9 13 | 8 44 | 26 4 | 17 40 | 5 8 |
| W30 | 16 20 | 25 31 | 3 43 | 23 50 | 2 32 | 2 8 | 0 23 | 2 3 | 1 21 | 12 8 | 1 0 | 19 25 | 1 58 | 17 51 | 0 17 | 15 0 | 0 35 | 8 9 | 17 17 | 9 12 | 8 43 | 26 5 | 17 39 | 5 8 |
| T 31 | 16s38 | 27s34 | 4s24 | 24s 4 | 2s33 | 2s12 | 0s13 | 1n48 | 1n21 | 12s13 | 1n 0 | 19n24 | 1s58 | 17n50 | 0s17 | 15s 0 | 0s35 | 8s 9 | 17s17 | 9n10 | 8n41 | 26s 7 | 17n38 | 5s 8 |

Julian Day Number = 2215514.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'34, Lahiri = 14°50'35 Julian Calendar 1 Oct. 1353 == Greg. Calendar 9 Oct. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## NOVEMBER 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 12 46 | 16♏50'04 | 2♑25 | 8♐12 | 5♎35 | 29♍12 | 4♏57 | 5°R38 | 21°R 4 | 21♒18 | 20°R 3 | 23°R28 | 22♈11 | 11♐38 | 15°R36 | F 1 |
| S 2 | 3 16 43 | 17°50'41 | 14°19 | 9°24 | 6°11 | 29°48 | 5°11 | 5♊33 | 21♉ 1 | 21°18 | 20♈ 2 | 23♈24 | 22° 8 | 11°45 | 15♊33 | S 2 |
| S 3 | 3 20 40 | 18°51'20 | 26°20 | 10°34 | 6°47 | 0♎25 | 5°24 | 5°28 | 20°59 | 21°18 | 20° 1 | 23°21 | 22° 5 | 11°51 | 15°29 | S 3 |
| M 4 | 3 24 36 | 19°52'00 | 8♒32 | 11°41 | 7°26 | 1° 2 | 5°37 | 5°24 | 20°56 | 21°19 | 20° 0 | 23°19 | 22° 2 | 11°58 | 15°26 | M 4 |
| T 5 | 3 28 33 | 20°52'41 | 20°59 | 12°45 | 8° 5 | 1°38 | 5°50 | 5°19 | 20°54 | 21°19 | 19°59 | 23°D18 | 21°59 | 12° 5 | 15°23 | T 5 |
| W 6 | 3 32 29 | 21°53'23 | 3♓46 | 13°46 | 8°46 | 2°15 | 6° 3 | 5°14 | 20°51 | 21°19 | 19°58 | 23°19 | 21°56 | 12°12 | 15°20 | W 6 |
| T 7 | 3 36 26 | 22°54'06 | 16°57 | 14°43 | 9°27 | 2°52 | 6°16 | 5° 9 | 20°49 | 21°20 | 19°57 | 23°20 | 21°52 | 12°18 | 15°16 | T 7 |
| F 8 | 3 40 22 | 23°54'50 | 0♈34 | 15°36 | 10°10 | 3°28 | 6°29 | 5° 5 | 20°46 | 21°20 | 19°56 | 23°22 | 21°49 | 12°25 | 15°13 | F 8 |
| S 9 | 3 44 19 | 24°55'36 | 14°39 | 16°23 | 10°54 | 4° 5 | 6°41 | 5° 0 | 20°43 | 21°21 | 19°56 | 23°23 | 21°46 | 12°32 | 15°10 | S 9 |
| S 10 | 3 48 15 | 25°56'22 | 29°12 | 17° 5 | 11°39 | 4°41 | 6°54 | 4°55 | 20°41 | 21°21 | 19°55 | 23°R23 | 21°43 | 12°38 | 15° 6 | S 10 |
| M11 | 3 52 12 | 26°57'10 | 14♉ 7 | 17°41 | 12°25 | 5°18 | 7° 7 | 4°50 | 20°38 | 21°22 | 19°54 | 23°22 | 21°40 | 12°45 | 15° 3 | M11 |
| T 12 | 3 56 9 | 27°57'58 | 29°17 | 18°10 | 13°12 | 5°54 | 7°20 | 4°45 | 20°36 | 21°22 | 19°53 | 23°19 | 21°36 | 12°52 | 14°59 | T 12 |
| W13 | 4 0 5 | 28°58'49 | 14♊34 | 18°31 | 14° 0 | 6°31 | 7°33 | 4°40 | 20°34 | 21°23 | 19°52 | 23°14 | 21°33 | 12°58 | 14°56 | W13 |
| T 14 | 4 4 2 | 29°59'40 | 29°45 | 18°43 | 14°49 | 7° 7 | 7°45 | 4°35 | 20°31 | 21°24 | 19°51 | 23° 9 | 21°30 | 13° 5 | 14°52 | T 14 |
| F 15 | 4 7 58 | 1♐ 0'33 | 14♋42 | 18°R46 | 15°39 | 7°44 | 7°58 | 4°30 | 20°29 | 21°24 | 19°50 | 23° 3 | 21°27 | 13°12 | 14°49 | F 15 |
| S 16 | 4 11 55 | 2° 1'27 | 29°17 | 18°38 | 16°29 | 8°20 | 8°11 | 4°25 | 20°26 | 21°25 | 19°50 | 22°58 | 21°24 | 13°19 | 14°45 | S 16 |
| S 17 | 4 15 51 | 3° 2'22 | 13♌25 | 18°20 | 17°20 | 8°57 | 8°23 | 4°21 | 20°24 | 21°26 | 19°49 | 22°54 | 21°21 | 13°25 | 14°41 | S 17 |
| M18 | 4 19 48 | 4° 3'18 | 27° 5 | 17°50 | 18°12 | 9°33 | 8°36 | 4°16 | 20°21 | 21°27 | 19°48 | 22°53 | 21°17 | 13°32 | 14°38 | M18 |
| T 19 | 4 23 45 | 5° 4'16 | 10♍19 | 17°10 | 19° 5 | 10° 9 | 8°49 | 4°11 | 20°19 | 21°27 | 19°47 | 22°D53 | 21°14 | 13°39 | 14°34 | T 19 |
| W20 | 4 27 41 | 6° 5'15 | 23° 9 | 16°18 | 19°59 | 10°45 | 9° 1 | 4° 6 | 20°16 | 21°28 | 19°46 | 22°54 | 21°11 | 13°45 | 14°30 | W20 |
| T 21 | 4 31 38 | 7° 6'16 | 5♎40 | 15°16 | 20°53 | 11°22 | 9°14 | 4° 1 | 20°14 | 21°29 | 19°46 | 22°55 | 21° 8 | 13°52 | 14°27 | T 21 |
| F 22 | 4 35 34 | 8° 7'17 | 17°55 | 14° 5 | 21°48 | 11°58 | 9°26 | 3°56 | 20°12 | 21°30 | 19°45 | 22°R56 | 21° 5 | 13°59 | 14°23 | F 22 |
| S 23 | 4 39 31 | 9° 8'20 | 0♏ 0 | 12°48 | 22°44 | 12°34 | 9°38 | 3°51 | 20° 9 | 21°31 | 19°44 | 22°56 | 21° 2 | 14° 5 | 14°19 | S 23 |
| S 24 | 4 43 27 | 10° 9'23 | 11°57 | 11°27 | 23°40 | 13°10 | 9°51 | 3°46 | 20° 7 | 21°32 | 19°44 | 22°54 | 20°58 | 14°12 | 14°15 | S 24 |
| M25 | 4 47 24 | 11°10'28 | 23°50 | 10° 4 | 24°36 | 13°46 | 10° 3 | 3°41 | 20° 5 | 21°33 | 19°43 | 22°49 | 20°55 | 14°19 | 14°12 | M25 |
| T 26 | 4 51 20 | 12°11'33 | 5♐40 | 8°42 | 25°34 | 14°22 | 10°15 | 3°36 | 20° 2 | 21°34 | 19°42 | 22°43 | 20°52 | 14°25 | 14° 8 | T 26 |
| W27 | 4 55 17 | 13°12'39 | 17°30 | 7°24 | 26°31 | 14°58 | 10°27 | 3°31 | 20° 0 | 21°35 | 19°42 | 22°34 | 20°49 | 14°32 | 14° 4 | W27 |
| T 28 | 4 59 14 | 14°13'46 | 29°22 | 6°13 | 27°30 | 15°35 | 10°39 | 3°26 | 19°58 | 21°36 | 19°41 | 22°23 | 20°46 | 14°39 | 14° 0 | T 28 |
| F 29 | 5 3 10 | 15°14'54 | 11♑16 | 5°10 | 28°29 | 16°10 | 10°51 | 3°22 | 19°56 | 21°37 | 19°41 | 22°12 | 20°42 | 14°46 | 13°56 | F 29 |
| S 30 | 5 7 7 | 16♐16'02 | 23♑15 | 4♐16 | 29♎28 | 16♎46 | 11♏ 3 | 3♊17 | 19♉53 | 21♒39 | 19♈40 | 22♈ 2 | 20♈39 | 14♐52 | 13♊53 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s56 | 28s23 | 4s53 | 24s18 | 2s34 | 2s16 | 0s 3 | 1n34 | 1n21 | 12s17 | 1n 0 | 19n23 | 1s58 | 17n49 | 0s17 | 15s 0 | 0s35 | 8s 9 | 17s17 | 9n 9 | 8n40 | 26s 8 | 17n38 | 5s 9 |
| S 2 | 17 13 | 27 53 | 5 10 | 24 29 | 2 35 | 2 22 | 0n 6 | 1 19 | 1 21 | 12 21 | 1 0 | 19 22 | 1 58 | 17 49 | 0 17 | 15 0 | 0 35 | 8 9 | 17 17 | 9 7 | 8 39 | 26 10 | 17 37 | 5 9 |
| S 3 | 17 30 | 26 5 | 5 13 | 24 40 | 2 34 | 2 28 | 0 15 | 1 5 | 1 21 | 12 26 | 1 0 | 19 22 | 1 58 | 17 48 | 0 17 | 15 0 | 0 35 | 8 9 | 17 17 | 9 6 | 8 38 | 26 11 | 17 37 | 5 9 |
| M 4 | 17 46 | 23 4 | 5 3 | 24 48 | 2 34 | 2 35 | 0 24 | 0 50 | 1 21 | 12 30 | 1 0 | 19 21 | 1 58 | 17 47 | 0 17 | 15 0 | 0 35 | 8 10 | 17 17 | 9 5 | 8 37 | 26 13 | 17 36 | 5 9 |
| T 5 | 18 2 | 18 56 | 4 38 | 24 55 | 2 32 | 2 43 | 0 33 | 0 35 | 1 21 | 12 34 | 1 0 | 19 20 | 1 58 | 17 47 | 0 17 | 15 0 | 0 35 | 8 10 | 17 16 | 9 5 | 8 35 | 26 14 | 17 35 | 5 10 |
| W 6 | 18 18 | 13 52 | 3 59 | 25 0 | 2 30 | 2 51 | 0 41 | 0 21 | 1 22 | 12 39 | 1 0 | 19 19 | 1 58 | 17 46 | 0 17 | 15 0 | 0 35 | 8 10 | 17 16 | 9 5 | 8 34 | 26 16 | 17 35 | 5 10 |
| T 7 | 18 34 | 8 2 | 3 6 | 25 4 | 2 26 | 3 1 | 0 49 | 0 6 | 1 22 | 12 43 | 1 0 | 19 18 | 1 58 | 17 45 | 0 17 | 15 0 | 0 35 | 8 10 | 17 16 | 9 6 | 8 33 | 26 17 | 17 34 | 5 10 |
| F 8 | 18 49 | 1 38 | 2 2 | 25 6 | 2 22 | 3 10 | 0 57 | 0s 8 | 1 22 | 12 47 | 1 0 | 19 18 | 1 58 | 17 45 | 0 17 | 14 59 | 0 35 | 8 10 | 17 16 | 9 7 | 8 32 | 26 19 | 17 33 | 5 11 |
| S 9 | 19 4 | 5n 4 | 0 48 | 25 6 | 2 17 | 3 21 | 1 4 | 0 23 | 1 22 | 12 51 | 1 0 | 19 17 | 1 58 | 17 44 | 0 17 | 14 59 | 0 35 | 8 10 | 17 16 | 9 7 | 8 31 | 26 20 | 17 33 | 5 11 |
| S 10 | 19 19 | 11 43 | 0n32 | 25 4 | 2 10 | 3 32 | 1 11 | 0 37 | 1 22 | 12 56 | 1 0 | 19 16 | 1 58 | 17 43 | 0 17 | 14 59 | 0 35 | 8 10 | 17 15 | 9 7 | 8 30 | 26 22 | 17 32 | 5 11 |
| M11 | 19 33 | 17 53 | 1 51 | 25 0 | 2 3 | 3 44 | 1 18 | 0 52 | 1 22 | 13 0 | 1 0 | 19 15 | 1 58 | 17 43 | 0 17 | 14 59 | 0 35 | 8 10 | 17 15 | 9 7 | 8 28 | 26 23 | 17 32 | 5 11 |
| T 12 | 19 47 | 23 3 | 3 3 | 24 54 | 1 54 | 3 56 | 1 25 | 1 6 | 1 22 | 13 4 | 1 0 | 19 14 | 1 57 | 17 42 | 0 16 | 14 59 | 0 35 | 8 11 | 17 15 | 9 5 | 8 27 | 26 24 | 17 31 | 5 12 |
| W13 | 20 0 | 26 39 | 4 3 | 24 45 | 1 44 | 4 9 | 1 31 | 1 21 | 1 22 | 13 8 | 1 0 | 19 13 | 1 57 | 17 41 | 0 16 | 14 58 | 0 35 | 8 11 | 17 15 | 9 4 | 8 26 | 26 26 | 17 30 | 5 12 |
| T 14 | 20 13 | 28 17 | 4 45 | 24 35 | 1 33 | 4 22 | 1 37 | 1 35 | 1 22 | 13 12 | 1 0 | 19 13 | 1 57 | 17 41 | 0 16 | 14 58 | 0 35 | 8 11 | 17 14 | 9 2 | 8 25 | 26 27 | 17 30 | 5 12 |
| F 15 | 20 26 | 27 48 | 5 7 | 24 22 | 1 20 | 4 36 | 1 43 | 1 49 | 1 22 | 13 16 | 1 0 | 19 12 | 1 57 | 17 40 | 0 16 | 14 58 | 0 35 | 8 11 | 17 14 | 8 59 | 8 24 | 26 29 | 17 29 | 5 12 |
| S 16 | 20 38 | 25 24 | 5 9 | 24 7 | 1 5 | 4 50 | 1 49 | 2 4 | 1 22 | 13 21 | 1 0 | 19 11 | 1 57 | 17 39 | 0 16 | 14 58 | 0 35 | 8 11 | 17 14 | 8 58 | 8 22 | 26 30 | 17 28 | 5 13 |
| S 17 | 20 50 | 21 30 | 4 51 | 23 50 | 0 50 | 5 5 | 1 54 | 2 18 | 1 22 | 13 25 | 1 0 | 19 10 | 1 57 | 17 39 | 0 16 | 14 58 | 0 35 | 8 11 | 17 14 | 8 56 | 8 21 | 26 31 | 17 28 | 5 13 |
| M18 | 21 2 | 16 33 | 4 17 | 23 30 | 0 32 | 5 20 | 1 59 | 2 32 | 1 22 | 13 29 | 1 0 | 19 9 | 1 57 | 17 38 | 0 16 | 14 57 | 0 35 | 8 11 | 17 13 | 8 56 | 8 20 | 26 33 | 17 27 | 5 13 |
| T 19 | 21 13 | 10 58 | 3 30 | 23 8 | 0 14 | 5 35 | 2 4 | 2 47 | 1 22 | 13 33 | 1 0 | 19 8 | 1 57 | 17 38 | 0 16 | 14 57 | 0 35 | 8 11 | 17 13 | 8 56 | 8 19 | 26 34 | 17 27 | 5 13 |
| W20 | 21 24 | 5 5 | 2 34 | 22 44 | 0n 5 | 5 51 | 2 9 | 3 1 | 1 22 | 13 37 | 1 0 | 19 8 | 1 57 | 17 37 | 0 16 | 14 57 | 0 35 | 8 11 | 17 13 | 8 56 | 8 18 | 26 36 | 17 26 | 5 13 |
| T 21 | 21 34 | 0s51 | 1 32 | 22 17 | 0 26 | 6 7 | 2 13 | 3 15 | 1 22 | 13 40 | 1 0 | 19 7 | 1 57 | 17 36 | 0 16 | 14 56 | 0 35 | 8 11 | 17 13 | 8 57 | 8 16 | 26 37 | 17 25 | 5 13 |
| F 22 | 21 44 | 6 38 | 0 27 | 21 49 | 0 46 | 6 24 | 2 17 | 3 29 | 1 22 | 13 44 | 1 0 | 19 6 | 1 57 | 17 36 | 0 16 | 14 56 | 0 35 | 8 11 | 17 12 | 8 57 | 8 15 | 26 38 | 17 25 | 5 14 |
| S 23 | 21 54 | 12 6 | 0s38 | 21 19 | 1 6 | 6 41 | 2 21 | 3 44 | 1 22 | 13 48 | 1 0 | 19 5 | 1 57 | 17 35 | 0 16 | 14 56 | 0 35 | 8 11 | 17 12 | 8 57 | 8 14 | 26 40 | 17 24 | 5 14 |
| S 24 | 22 3 | 17 5 | 1 41 | 20 49 | 1 26 | 6 58 | 2 25 | 3 58 | 1 22 | 13 52 | 1 0 | 19 4 | 1 57 | 17 34 | 0 16 | 14 55 | 0 35 | 8 11 | 17 12 | 8 56 | 8 13 | 26 41 | 17 24 | 5 14 |
| M25 | 22 12 | 21 21 | 2 39 | 20 19 | 1 44 | 7 16 | 2 29 | 4 12 | 1 22 | 13 56 | 1 0 | 19 4 | 1 56 | 17 34 | 0 16 | 14 55 | 0 35 | 8 11 | 17 11 | 8 54 | 8 12 | 26 42 | 17 23 | 5 14 |
| T 26 | 22 20 | 24 46 | 3 29 | 19 51 | 2 1 | 7 33 | 2 32 | 4 26 | 1 22 | 14 0 | 1 0 | 19 3 | 1 56 | 17 33 | 0 16 | 14 55 | 0 35 | 8 11 | 17 11 | 8 52 | 8 10 | 26 44 | 17 23 | 5 14 |
| W27 | 22 28 | 27 6 | 4 11 | 19 24 | 2 16 | 7 51 | 2 35 | 4 40 | 1 22 | 14 4 | 1 0 | 19 2 | 1 56 | 17 33 | 0 16 | 14 54 | 0 35 | 8 11 | 17 11 | 8 49 | 8 9 | 26 45 | 17 22 | 5 14 |
| T 28 | 22 35 | 28 13 | 4 41 | 19 0 | 2 28 | 8 9 | 2 38 | 4 54 | 1 22 | 14 7 | 1 0 | 19 1 | 1 56 | 17 32 | 0 16 | 14 54 | 0 35 | 8 11 | 17 10 | 8 45 | 8 8 | 26 46 | 17 22 | 5 14 |
| F 29 | 22 42 | 28 1 | 5 0 | 18 38 | 2 38 | 8 28 | 2 41 | 5 7 | 1 22 | 14 11 | 1 0 | 19 0 | 1 56 | 17 31 | 0 16 | 14 54 | 0 35 | 8 11 | 17 10 | 8 41 | 8 7 | 26 48 | 17 21 | 5 14 |
| S 30 | 22s49 | 26s31 | 5s 5 | 18s21 | 2n46 | 8s46 | 2n44 | 5s21 | 1n22 | 14s15 | 1n 0 | 19n 0 | 1s56 | 17n31 | 0s16 | 14s53 | 0s35 | 8s11 | 17s10 | 8n37 | 8n 6 | 26s49 | 17n21 | 5s15 |

Julian Day Number = 2215545.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'39, Lahiri = 14°50'39 Julian Calendar 1 Nov. 1353 == Greg. Calendar 9 Nov. 1353


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# ASTRODIENST EPHEMERIS for the year 1353
# geocentric

## DECEMBER 1353 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 11 3 | 17♐17'10 | 5♒20 | 3°R34 | 0♏28 | 17♎22 | 11♏15 | 3°R12 | 19°R51 | 21♒40 | 19°R39 | 21°R53 | 20♈36 | 14♐59 | 13°R49 | S 1 |
| M 2 | 5 15 0 | 18°18'19 | 17°34 | 3♐ 2 | 1°28 | 17°58 | 11°27 | 3♊ 7 | 19♉49 | 21°41 | 19♈39 | 21♈46 | 20°33 | 15° 6 | 13♊45 | M 2 |
| T 3 | 5 18 56 | 19°19'28 | 0♓ 0 | 2°41 | 2°29 | 18°34 | 11°39 | 3° 3 | 19°47 | 21°42 | 19°38 | 21°41 | 20°30 | 15°12 | 13°41 | T 3 |
| W 4 | 5 22 53 | 20°20'37 | 12°42 | 2°30 | 3°30 | 19°10 | 11°51 | 2°58 | 19°45 | 21°44 | 19°38 | 21°39 | 20°27 | 15°19 | 13°38 | W 4 |
| T 5 | 5 26 49 | 21°21'46 | 25°44 | 2°D30 | 4°31 | 19°45 | 12° 2 | 2°53 | 19°43 | 21°45 | 19°37 | 21°D39 | 20°23 | 15°26 | 13°34 | T 5 |
| F 6 | 5 30 46 | 22°22'55 | 9♈10 | 2°39 | 5°33 | 20°21 | 12°14 | 2°49 | 19°41 | 21°46 | 19°37 | 21°40 | 20°20 | 15°32 | 13°30 | F 6 |
| S 7 | 5 34 43 | 23°24'05 | 23° 1 | 2°57 | 6°35 | 20°57 | 12°25 | 2°44 | 19°39 | 21°48 | 19°37 | 21°R40 | 20°17 | 15°39 | 13°27 | S 7 |
| S 8 | 5 38 39 | 24°25'14 | 7♉21 | 3°22 | 7°38 | 21°32 | 12°37 | 2°40 | 19°37 | 21°49 | 19°36 | 21°39 | 20°14 | 15°46 | 13°23 | S 8 |
| M 9 | 5 42 36 | 25°26'24 | 22° 5 | 3°54 | 8°41 | 22° 8 | 12°48 | 2°36 | 19°35 | 21°50 | 19°36 | 21°36 | 20°11 | 15°53 | 13°19 | M 9 |
| T 10 | 5 46 32 | 26°27'33 | 7♊11 | 4°33 | 9°44 | 22°43 | 13° 0 | 2°31 | 19°33 | 21°52 | 19°35 | 21°30 | 20° 8 | 15°59 | 13°16 | T 10 |
| W11 | 5 50 29 | 27°28'43 | 22°29 | 5°18 | 10°48 | 23°19 | 13°11 | 2°27 | 19°31 | 21°53 | 19°35 | 21°21 | 20° 4 | 16° 6 | 13°12 | W11 |
| T 12 | 5 54 25 | 28°29'53 | 7♋48 | 6° 7 | 11°52 | 23°54 | 13°22 | 2°23 | 19°30 | 21°55 | 19°35 | 21°11 | 20° 1 | 16°13 | 13° 8 | T 12 |
| F 13 | 5 58 22 | 29°31'03 | 22°58 | 7° 1 | 12°56 | 24°30 | 13°33 | 2°19 | 19°28 | 21°56 | 19°34 | 21° 0 | 19°58 | 16°19 | 13° 5 | F 13 |
| S 14 | 6 2 18 | 0♌32'14 | 7♌47 | 7°58 | 14° 1 | 25° 5 | 13°44 | 2°15 | 19°26 | 21°58 | 19°34 | 20°51 | 19°55 | 16°26 | 13° 1 | S 14 |
| S 15 | 6 6 15 | 1°33'24 | 22° 8 | 9° 0 | 15° 6 | 25°40 | 13°55 | 2°11 | 19°24 | 22° 0 | 19°34 | 20°43 | 19°52 | 16°33 | 12°58 | S 15 |
| M16 | 6 10 12 | 2°34'35 | 6♍ 0 | 10° 4 | 16°11 | 26°16 | 14° 6 | 2° 7 | 19°23 | 22° 1 | 19°34 | 20°37 | 19°48 | 16°39 | 12°54 | M16 |
| T 17 | 6 14 8 | 3°35'46 | 19°20 | 11°11 | 17°16 | 26°51 | 14°16 | 2° 3 | 19°21 | 22° 3 | 19°34 | 20°34 | 19°45 | 16°46 | 12°51 | T 17 |
| W18 | 6 18 5 | 4°36'57 | 2♎14 | 12°21 | 18°22 | 27°26 | 14°27 | 1°59 | 19°19 | 22° 5 | 19°33 | 20°D34 | 19°42 | 16°53 | 12°47 | W18 |
| T 19 | 6 22 1 | 5°38'08 | 14°45 | 13°32 | 19°28 | 28° 1 | 14°38 | 1°55 | 19°18 | 22° 6 | 19°33 | 20°R34 | 19°39 | 17° 0 | 12°44 | T 19 |
| F 20 | 6 25 58 | 6°39'20 | 26°57 | 14°46 | 20°34 | 28°36 | 14°48 | 1°52 | 19°16 | 22° 8 | 19°33 | 20°34 | 19°36 | 17° 6 | 12°40 | F 20 |
| S 21 | 6 29 54 | 7°40'31 | 8♏57 | 16° 2 | 21°41 | 29°11 | 14°58 | 1°48 | 19°15 | 22°10 | 19°33 | 20°32 | 19°33 | 17°13 | 12°37 | S 21 |
| S 22 | 6 33 51 | 8°41'43 | 20°50 | 17°19 | 22°47 | 29°46 | 15° 9 | 1°45 | 19°14 | 22°11 | 19°33 | 20°28 | 19°29 | 17°20 | 12°34 | S 22 |
| M23 | 6 37 47 | 9°42'54 | 2♐39 | 18°37 | 23°54 | 0♏21 | 15°19 | 1°41 | 19°12 | 22°13 | 19°33 | 20°22 | 19°26 | 17°26 | 12°31 | M23 |
| T 24 | 6 41 44 | 10°44'06 | 14°27 | 19°57 | 25° 1 | 0°56 | 15°29 | 1°38 | 19°11 | 22°15 | 19°33 | 20°12 | 19°23 | 17°33 | 12°27 | T 24 |
| W25 | 6 45 41 | 11°45'17 | 26°19 | 21°18 | 26° 8 | 1°30 | 15°39 | 1°35 | 19°10 | 22°17 | 19°33 | 19°59 | 19°20 | 17°40 | 12°24 | W25 |
| T 26 | 6 49 37 | 12°46'28 | 8♑15 | 22°40 | 27°16 | 2° 5 | 15°49 | 1°32 | 19° 8 | 22°19 | 19°D33 | 19°45 | 19°17 | 17°46 | 12°21 | T 26 |
| F 27 | 6 53 34 | 13°47'38 | 20°16 | 24° 3 | 28°24 | 2°40 | 15°59 | 1°29 | 19° 7 | 22°21 | 19°33 | 19°30 | 19°14 | 17°53 | 12°18 | F 27 |
| S 28 | 6 57 30 | 14°48'48 | 2♒24 | 25°27 | 29°31 | 3°14 | 16° 8 | 1°26 | 19° 6 | 22°22 | 19°33 | 19°15 | 19°10 | 18° 0 | 12°15 | S 28 |
| S 29 | 7 1 27 | 15°49'58 | 14°40 | 26°51 | 0♐40 | 3°49 | 16°18 | 1°23 | 19° 5 | 22°24 | 19°33 | 19° 2 | 19° 7 | 18° 7 | 12°12 | S 29 |
| M30 | 7 5 23 | 16°51'06 | 27° 4 | 28°17 | 1°48 | 4°23 | 16°27 | 1°20 | 19° 4 | 22°26 | 19°33 | 18°52 | 19° 4 | 18°13 | 12° 9 | M30 |
| T 31 | 7 9 20 | 17♑52'14 | 9♓39 | 29♐43 | 2♐56 | 4♏58 | 16♏37 | 1♊18 | 19♉ 3 | 22♒28 | 19♈33 | 18♈45 | 19♈ 1 | 18♐20 | 12♊ 6 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 23s48 | 4s57 | 18s 8 | 2n52 | 9s 5 | 2n46 | 5s35 | 1n22 | 14s18 | 1n 0 | 18n59 | 1s56 | 17n30 | 0s16 | 14s53 | 0s35 | 8s11 | 17s10 | 8n33 | 8n 4 | 26s50 | 17n20 | 5s15 |
| M 2 | 23 1 | 19 59 | 4 35 | 17 58 | 2 55 | 9 24 | 2 48 | 5 49 | 1 22 | 14 22 | 1 0 | 18 58 | 1 55 | 17 30 | 0 16 | 14 53 | 0 35 | 8 10 | 17 9 | 8 31 | 8 3 | 26 51 | 17 19 | 5 15 |
| T 3 | 23 6 | 15 15 | 4 0 | 17 53 | 2 57 | 9 43 | 2 50 | 6 2 | 1 22 | 14 26 | 1 0 | 18 57 | 1 55 | 17 29 | 0 16 | 14 52 | 0 35 | 8 10 | 17 9 | 8 29 | 8 2 | 26 53 | 17 19 | 5 15 |
| W 4 | 23 10 | 9 46 | 3 12 | 17 51 | 2 57 | 10 2 | 2 52 | 6 16 | 1 22 | 14 29 | 1 0 | 18 57 | 1 55 | 17 29 | 0 16 | 14 52 | 0 35 | 8 10 | 17 9 | 8 28 | 8 1 | 26 54 | 17 18 | 5 15 |
| T 5 | 23 15 | 3 45 | 2 14 | 17 52 | 2 55 | 10 21 | 2 54 | 6 30 | 1 22 | 14 33 | 1 0 | 18 56 | 1 55 | 17 28 | 0 16 | 14 51 | 0 35 | 8 10 | 17 8 | 8 28 | 8 0 | 26 55 | 17 18 | 5 15 |
| F 6 | 23 18 | 2n38 | 1 6 | 17 57 | 2 52 | 10 40 | 2 55 | 6 43 | 1 22 | 14 36 | 1 0 | 18 55 | 1 55 | 17 28 | 0 16 | 14 51 | 0 35 | 8 10 | 17 8 | 8 28 | 7 58 | 26 56 | 17 17 | 5 15 |
| S 7 | 23 22 | 9 6 | 0n 7 | 18 4 | 2 48 | 10 59 | 2 57 | 6 57 | 1 22 | 14 40 | 1 0 | 18 54 | 1 55 | 17 27 | 0 16 | 14 50 | 0 35 | 8 10 | 17 8 | 8 28 | 7 57 | 26 58 | 17 17 | 5 15 |
| S 8 | 23 24 | 15 19 | 1 23 | 18 14 | 2 43 | 11 18 | 2 58 | 7 10 | 1 22 | 14 43 | 1 1 | 18 54 | 1 55 | 17 27 | 0 16 | 14 50 | 0 35 | 8 10 | 17 7 | 8 28 | 7 56 | 26 59 | 17 17 | 5 15 |
| M 9 | 23 27 | 20 51 | 2 35 | 18 26 | 2 37 | 11 37 | 2 59 | 7 23 | 1 21 | 14 46 | 1 1 | 18 53 | 1 54 | 17 26 | 0 16 | 14 49 | 0 35 | 8 9 | 17 7 | 8 27 | 7 55 | 27 0 | 17 16 | 5 15 |
| T 10 | 23 29 | 25 9 | 3 37 | 18 39 | 2 31 | 11 57 | 3 0 | 7 37 | 1 21 | 14 50 | 1 1 | 18 52 | 1 54 | 17 26 | 0 16 | 14 49 | 0 35 | 8 9 | 17 7 | 8 25 | 7 54 | 27 1 | 17 16 | 5 15 |
| W11 | 23 30 | 27 43 | 4 25 | 18 54 | 2 24 | 12 16 | 3 0 | 7 50 | 1 21 | 14 53 | 1 1 | 18 52 | 1 54 | 17 25 | 0 16 | 14 48 | 0 35 | 8 9 | 17 6 | 8 21 | 7 52 | 27 3 | 17 15 | 5 15 |
| T 12 | 23 31 | 28 11 | 4 54 | 19 10 | 2 16 | 12 35 | 3 1 | 8 3 | 1 21 | 14 56 | 1 1 | 18 51 | 1 54 | 17 25 | 0 16 | 14 48 | 0 35 | 8 9 | 17 6 | 8 18 | 7 51 | 27 4 | 17 15 | 5 15 |
| F 13 | 23 31 | 26 31 | 5 2 | 19 27 | 2 9 | 12 54 | 3 1 | 8 16 | 1 21 | 15 0 | 1 1 | 18 50 | 1 54 | 17 24 | 0 16 | 14 47 | 0 35 | 8 9 | 17 6 | 8 14 | 7 50 | 27 5 | 17 14 | 5 15 |
| S 14 | 23 31 | 23 3 | 4 49 | 19 44 | 2 1 | 13 13 | 3 1 | 8 29 | 1 21 | 15 3 | 1 1 | 18 50 | 1 53 | 17 24 | 0 16 | 14 47 | 0 35 | 8 8 | 17 5 | 8 10 | 7 49 | 27 6 | 17 14 | 5 15 |
| S 15 | 23 31 | 18 15 | 4 18 | 20 2 | 1 52 | 13 32 | 3 1 | 8 42 | 1 21 | 15 6 | 1 1 | 18 49 | 1 53 | 17 23 | 0 16 | 14 46 | 0 35 | 8 8 | 17 5 | 8 7 | 7 48 | 27 7 | 17 14 | 5 15 |
| M16 | 23 30 | 12 39 | 3 33 | 20 20 | 1 44 | 13 51 | 3 1 | 8 55 | 1 21 | 15 9 | 1 1 | 18 49 | 1 53 | 17 23 | 0 16 | 14 46 | 0 35 | 8 8 | 17 4 | 8 5 | 7 46 | 27 9 | 17 13 | 5 15 |
| T 17 | 23 29 | 6 39 | 2 38 | 20 37 | 1 35 | 14 9 | 3 1 | 9 8 | 1 21 | 15 12 | 1 1 | 18 48 | 1 53 | 17 22 | 0 16 | 14 45 | 0 35 | 8 8 | 17 4 | 8 4 | 7 45 | 27 10 | 17 13 | 5 15 |
| W18 | 23 27 | 0 34 | 1 36 | 20 55 | 1 27 | 14 28 | 3 1 | 9 20 | 1 21 | 15 15 | 1 1 | 18 48 | 1 53 | 17 22 | 0 16 | 14 45 | 0 35 | 8 7 | 17 4 | 8 3 | 7 44 | 27 11 | 17 12 | 5 15 |
| T 19 | 23 24 | 5s21 | 0 31 | 21 13 | 1 18 | 14 46 | 3 0 | 9 33 | 1 21 | 15 19 | 1 1 | 18 47 | 1 52 | 17 22 | 0 16 | 14 44 | 0 35 | 8 7 | 17 3 | 8 4 | 7 43 | 27 12 | 17 12 | 5 15 |
| F 20 | 23 21 | 10 57 | 0s34 | 21 30 | 1 10 | 15 4 | 3 0 | 9 46 | 1 20 | 15 22 | 1 1 | 18 47 | 1 52 | 17 21 | 0 16 | 14 44 | 0 35 | 8 7 | 17 3 | 8 4 | 7 42 | 27 13 | 17 12 | 5 15 |
| S 21 | 23 18 | 16 3 | 1 36 | 21 47 | 1 1 | 15 22 | 2 59 | 9 58 | 1 20 | 15 24 | 1 1 | 18 46 | 1 52 | 17 21 | 0 16 | 14 43 | 0 35 | 8 7 | 17 3 | 8 3 | 7 40 | 27 14 | 17 11 | 5 15 |
| S 22 | 23 14 | 20 29 | 2 33 | 22 3 | 0 53 | 15 40 | 2 58 | 10 11 | 1 20 | 15 27 | 1 2 | 18 46 | 1 52 | 17 20 | 0 16 | 14 43 | 0 35 | 8 6 | 17 2 | 8 2 | 7 39 | 27 15 | 17 11 | 5 15 |
| M23 | 23 10 | 24 5 | 3 23 | 22 18 | 0 44 | 15 57 | 2 57 | 10 23 | 1 20 | 15 30 | 1 2 | 18 45 | 1 52 | 17 20 | 0 16 | 14 42 | 0 35 | 8 6 | 17 2 | 7 59 | 7 38 | 27 17 | 17 11 | 5 14 |
| T 24 | 23 5 | 26 39 | 4 4 | 22 33 | 0 36 | 16 15 | 2 56 | 10 35 | 1 20 | 15 33 | 1 2 | 18 45 | 1 51 | 17 20 | 0 16 | 14 41 | 0 35 | 8 6 | 17 2 | 7 55 | 7 37 | 27 18 | 17 10 | 5 14 |
| W25 | 23 0 | 28 3 | 4 35 | 22 47 | 0 28 | 16 32 | 2 55 | 10 48 | 1 20 | 15 36 | 1 2 | 18 44 | 1 51 | 17 19 | 0 16 | 14 41 | 0 35 | 8 5 | 17 1 | 7 51 | 7 36 | 27 19 | 17 10 | 5 14 |
| T 26 | 22 55 | 28 9 | 4 53 | 23 0 | 0 19 | 16 48 | 2 53 | 11 0 | 1 20 | 15 39 | 1 2 | 18 44 | 1 51 | 17 19 | 0 16 | 14 40 | 0 35 | 8 5 | 17 1 | 7 45 | 7 34 | 27 20 | 17 10 | 5 14 |
| F 27 | 22 48 | 26 55 | 4 59 | 23 12 | 0 11 | 17 5 | 2 52 | 11 12 | 1 19 | 15 41 | 1 2 | 18 43 | 1 51 | 17 19 | 0 16 | 14 40 | 0 35 | 8 5 | 17 1 | 7 39 | 7 33 | 27 21 | 17 10 | 5 14 |
| S 28 | 22 42 | 24 25 | 4 51 | 23 23 | 0 4 | 17 21 | 2 50 | 11 24 | 1 19 | 15 44 | 1 2 | 18 43 | 1 50 | 17 19 | 0 16 | 14 39 | 0 35 | 8 4 | 17 0 | 7 34 | 7 32 | 27 22 | 17 9 | 5 14 |
| S 29 | 22 35 | 20 48 | 4 30 | 23 33 | 0s 4 | 17 37 | 2 49 | 11 36 | 1 19 | 15 47 | 1 2 | 18 43 | 1 50 | 17 18 | 0 16 | 14 38 | 0 35 | 8 4 | 17 0 | 7 29 | 7 31 | 27 23 | 17 9 | 5 14 |
| M30 | 22 28 | 16 13 | 3 56 | 23 43 | 0 12 | 17 52 | 2 47 | 11 47 | 1 19 | 15 49 | 1 2 | 18 42 | 1 50 | 17 18 | 0 16 | 14 38 | 0 35 | 8 4 | 16 59 | 7 25 | 7 30 | 27 24 | 17 9 | 5 14 |
| T 31 | 22s20 | 10s55 | 3s10 | 23s51 | 0s19 | 18s 7 | 2n45 | 11s59 | 1n19 | 15s52 | 1n 2 | 18n42 | 1s50 | 17n18 | 0s16 | 14s37 | 0s35 | 8s 3 | 16s59 | 7n22 | 7n28 | 27s25 | 17n 9 | 5s13 |

Julian Day Number = 2215575.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'43, Lahiri = 14°50'43 Julian Calendar 1 Dec. 1353 == Greg. Calendar 9 Dec. 1353


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## JANUARY 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 13 17 | 18♉53'21 | 22♓26 | 1♉10 | 4♐ 5 | 5♏32 | 16♏46 | 1°R15 | 19°R 2 | 22♒30 | 19♈33 | 18°R40 | 18♈58 | 18♐27 | 12°R 4 | W 1 |
| T 2 | 7 17 13 | 19°54'27 | 5♈28 | 2°38 | 5°13 | 6° 6 | 16°55 | 1♊13 | 19♉ 1 | 22°32 | 19°33 | 18♈39 | 18°54 | 18°33 | 12♊ 1 | T 2 |
| F 3 | 7 21 10 | 20°55'33 | 18°48 | 4° 7 | 6°22 | 6°40 | 17° 4 | 1°10 | 19° 0 | 22°34 | 19°33 | 18°38 | 18°51 | 18°40 | 11°58 | F 3 |
| S 4 | 7 25 6 | 21°56'37 | 2♉29 | 5°36 | 7°31 | 7°14 | 17°13 | 1° 8 | 19° 0 | 22°36 | 19°33 | 18°38 | 18°48 | 18°47 | 11°56 | S 4 |
| S 5 | 7 29 3 | 22°57'40 | 16°32 | 7° 6 | 8°40 | 7°48 | 17°22 | 1° 6 | 18°59 | 22°38 | 19°34 | 18°37 | 18°45 | 18°54 | 11°53 | S 5 |
| M 6 | 7 32 59 | 23°58'42 | 0♊58 | 8°36 | 9°49 | 8°22 | 17°30 | 1° 4 | 18°58 | 22°40 | 19°34 | 18°33 | 18°42 | 19° 0 | 11°51 | M 6 |
| T 7 | 7 36 56 | 24°59'43 | 15°44 | 10° 8 | 10°59 | 8°56 | 17°39 | 1° 2 | 18°58 | 22°42 | 19°34 | 18°27 | 18°39 | 19° 7 | 11°48 | T 7 |
| W 8 | 7 40 52 | 26° 0'43 | 0♋44 | 11°39 | 12° 8 | 9°30 | 17°47 | 1° 0 | 18°57 | 22°44 | 19°34 | 18°18 | 18°35 | 19°14 | 11°46 | W 8 |
| T 9 | 7 44 49 | 27° 1'42 | 15°50 | 13°12 | 13°18 | 10° 4 | 17°56 | 0°59 | 18°56 | 22°46 | 19°35 | 18° 6 | 18°32 | 19°20 | 11°44 | T 9 |
| F 10 | 7 48 46 | 28° 2'40 | 0♌52 | 14°45 | 14°28 | 10°37 | 18° 4 | 0°57 | 18°56 | 22°49 | 19°35 | 17°55 | 18°29 | 19°27 | 11°41 | F 10 |
| S 11 | 7 52 42 | 29° 3'37 | 15°39 | 16°19 | 15°37 | 11°11 | 18°12 | 0°56 | 18°56 | 22°51 | 19°35 | 17°43 | 18°26 | 19°34 | 11°39 | S 11 |
| S 12 | 7 56 39 | 0♒ 4'33 | 0♍ 4 | 17°53 | 16°47 | 11°44 | 18°20 | 0°54 | 18°55 | 22°53 | 19°36 | 17°34 | 18°23 | 19°40 | 11°37 | S 12 |
| M13 | 8 0 35 | 1° 5'29 | 14° 2 | 19°28 | 17°57 | 12°18 | 18°27 | 0°53 | 18°55 | 22°55 | 19°36 | 17°28 | 18°20 | 19°47 | 11°35 | M13 |
| T 14 | 8 4 32 | 2° 6'23 | 27°30 | 21° 4 | 19° 8 | 12°51 | 18°35 | 0°52 | 18°55 | 22°57 | 19°37 | 17°24 | 18°16 | 19°54 | 11°33 | T 14 |
| W15 | 8 8 28 | 3° 7'16 | 10♎31 | 22°40 | 20°18 | 13°24 | 18°43 | 0°51 | 18°54 | 22°59 | 19°37 | 17°22 | 18°13 | 20° 1 | 11°31 | W15 |
| T 16 | 8 12 25 | 4° 8'09 | 23° 7 | 24°18 | 21°28 | 13°57 | 18°50 | 0°50 | 18°54 | 23° 1 | 19°38 | 17°D22 | 18°10 | 20° 7 | 11°29 | T 16 |
| F 17 | 8 16 21 | 5° 9'00 | 5♏23 | 25°56 | 22°39 | 14°30 | 18°57 | 0°49 | 18°54 | 23° 4 | 19°38 | 17°R22 | 18° 7 | 20°14 | 11°28 | F 17 |
| S 18 | 8 20 18 | 6° 9'51 | 17°25 | 27°34 | 23°49 | 15° 3 | 19° 4 | 0°48 | 18°54 | 23° 6 | 19°38 | 17°22 | 18° 4 | 20°21 | 11°26 | S 18 |
| S 19 | 8 24 15 | 7°10'41 | 29°18 | 29°14 | 25° 0 | 15°36 | 19°11 | 0°48 | 18°D54 | 23° 8 | 19°39 | 17°19 | 18° 0 | 20°27 | 11°24 | S 19 |
| M20 | 8 28 11 | 8°11'30 | 11♐ 7 | 0♒54 | 26°11 | 16° 9 | 19°18 | 0°47 | 18°54 | 23°10 | 19°40 | 17°14 | 17°57 | 20°34 | 11°23 | M20 |
| T 21 | 8 32 8 | 9°12'18 | 22°57 | 2°35 | 27°22 | 16°42 | 19°24 | 0°47 | 18°54 | 23°12 | 19°40 | 17° 7 | 17°54 | 20°41 | 11°21 | T 21 |
| W22 | 8 36 4 | 10°13'05 | 4♑51 | 4°16 | 28°33 | 17°14 | 19°31 | 0°47 | 18°54 | 23°15 | 19°41 | 16°56 | 17°51 | 20°48 | 11°20 | W22 |
| T 23 | 8 40 1 | 11°13'50 | 16°52 | 5°59 | 29°44 | 17°47 | 19°37 | 0°47 | 18°55 | 23°17 | 19°41 | 16°45 | 17°48 | 20°54 | 11°19 | T 23 |
| F 24 | 8 43 57 | 12°14'35 | 29° 3 | 7°42 | 0♑55 | 18°19 | 19°44 | 0°D47 | 18°55 | 23°19 | 19°42 | 16°32 | 17°45 | 21° 1 | 11°17 | F 24 |
| S 25 | 8 47 54 | 13°15'17 | 11♒23 | 9°27 | 2° 6 | 18°51 | 19°50 | 0°47 | 18°55 | 23°21 | 19°43 | 16°19 | 17°41 | 21° 8 | 11°16 | S 25 |
| S 26 | 8 51 50 | 14°15'59 | 23°54 | 11°12 | 3°17 | 19°23 | 19°55 | 0°47 | 18°56 | 23°24 | 19°43 | 16° 8 | 17°38 | 21°14 | 11°15 | S 26 |
| M27 | 8 55 47 | 15°16'39 | 6♓35 | 12°57 | 4°28 | 19°55 | 20° 1 | 0°47 | 18°56 | 23°26 | 19°44 | 16° 0 | 17°35 | 21°21 | 11°14 | M27 |
| T 28 | 8 59 44 | 16°17'17 | 19°27 | 14°44 | 5°40 | 20°27 | 20° 7 | 0°48 | 18°56 | 23°28 | 19°45 | 15°54 | 17°32 | 21°28 | 11°13 | T 28 |
| W29 | 9 3 40 | 17°17'54 | 2♈30 | 16°32 | 6°51 | 20°59 | 20°12 | 0°48 | 18°57 | 23°30 | 19°45 | 15°51 | 17°29 | 21°34 | 11°12 | W29 |
| T 30 | 9 7 37 | 18°18'29 | 15°45 | 18°20 | 8° 3 | 21°31 | 20°17 | 0°49 | 18°58 | 23°33 | 19°46 | 15°D50 | 17°26 | 21°41 | 11°12 | T 30 |
| F 31 | 9 11 33 | 19♒19'02 | 29♈13 | 20♒ 9 | 9♑14 | 22♏ 2 | 20♏22 | 0♊50 | 18♉58 | 23♒35 | 19♈47 | 15♈50 | 17♈22 | 21♐48 | 11♊11 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s11 | 5s 3 | 2s14 | 23s58 | 0s26 | 18s22 | 2n43 | 12s11 | 1n19 | 15s55 | 1n 2 | 18n42 | 1s50 | 17n17 | 0s16 | 14s36 | 0s35 | 8s 3 | 16s59 | 7n21 | 7n27 | 27s26 | 17n 8 | 5s13 |
| T 2 | 22 3 | 1n 7 | 1 9 | 24 3 | 0 33 | 18 36 | 2 41 | 12 22 | 1 18 | 15 57 | 1 3 | 18 42 | 1 49 | 17 17 | 0 16 | 14 36 | 0 35 | 8 2 | 16 58 | 7 20 | 7 26 | 27 27 | 17 8 | 5 13 |
| F 3 | 21 53 | 7 24 | 0n 1 | 24 8 | 0 40 | 18 50 | 2 39 | 12 34 | 1 18 | 16 0 | 1 3 | 18 41 | 1 49 | 17 17 | 0 16 | 14 35 | 0 35 | 8 2 | 16 58 | 7 20 | 7 25 | 27 28 | 17 8 | 5 13 |
| S 4 | 21 44 | 13 31 | 1 12 | 24 11 | 0 47 | 19 4 | 2 37 | 12 45 | 1 18 | 16 2 | 1 3 | 18 41 | 1 49 | 17 17 | 0 16 | 14 34 | 0 35 | 8 2 | 16 58 | 7 20 | 7 23 | 27 29 | 17 8 | 5 13 |
| S 5 | 21 34 | 19 6 | 2 21 | 24 13 | 0 53 | 19 17 | 2 34 | 12 56 | 1 18 | 16 4 | 1 3 | 18 41 | 1 49 | 17 17 | 0 16 | 14 34 | 0 35 | 8 1 | 16 57 | 7 19 | 7 22 | 27 30 | 17 8 | 5 13 |
| M 6 | 21 23 | 23 44 | 3 23 | 24 14 | 1 0 | 19 30 | 2 32 | 13 7 | 1 18 | 16 7 | 1 3 | 18 41 | 1 48 | 17 17 | 0 16 | 14 33 | 0 35 | 8 1 | 16 57 | 7 18 | 7 21 | 27 32 | 17 8 | 5 12 |
| T 7 | 21 13 | 26 57 | 4 13 | 24 14 | 1 6 | 19 42 | 2 29 | 13 18 | 1 17 | 16 9 | 1 3 | 18 41 | 1 48 | 17 16 | 0 16 | 14 32 | 0 35 | 8 0 | 16 56 | 7 15 | 7 20 | 27 33 | 17 8 | 5 12 |
| W 8 | 21 1 | 28 18 | 4 46 | 24 12 | 1 11 | 19 54 | 2 27 | 13 29 | 1 17 | 16 11 | 1 3 | 18 41 | 1 48 | 17 16 | 0 15 | 14 32 | 0 35 | 8 0 | 16 56 | 7 12 | 7 19 | 27 34 | 17 7 | 5 12 |
| T 9 | 20 50 | 27 33 | 5 0 | 24 9 | 1 17 | 20 5 | 2 24 | 13 40 | 1 17 | 16 13 | 1 3 | 18 40 | 1 48 | 17 16 | 0 15 | 14 31 | 0 35 | 7 59 | 16 56 | 7 8 | 7 17 | 27 35 | 17 7 | 5 12 |
| F 10 | 20 38 | 24 48 | 4 53 | 24 4 | 1 22 | 20 16 | 2 22 | 13 51 | 1 17 | 16 16 | 1 3 | 18 40 | 1 47 | 17 16 | 0 15 | 14 30 | 0 35 | 7 59 | 16 55 | 7 3 | 7 16 | 27 35 | 17 7 | 5 12 |
| S 11 | 20 25 | 20 25 | 4 26 | 23 58 | 1 27 | 20 27 | 2 19 | 14 2 | 1 16 | 16 18 | 1 3 | 18 40 | 1 47 | 17 16 | 0 15 | 14 30 | 0 35 | 7 59 | 16 55 | 6 59 | 7 15 | 27 36 | 17 7 | 5 11 |
| S 12 | 20 12 | 14 57 | 3 42 | 23 51 | 1 32 | 20 37 | 2 16 | 14 12 | 1 16 | 16 20 | 1 4 | 18 40 | 1 47 | 17 16 | 0 15 | 14 29 | 0 35 | 7 58 | 16 55 | 6 55 | 7 14 | 27 37 | 17 7 | 5 11 |
| M13 | 19 59 | 8 52 | 2 47 | 23 42 | 1 36 | 20 46 | 2 13 | 14 23 | 1 16 | 16 22 | 1 4 | 18 40 | 1 46 | 17 16 | 0 15 | 14 28 | 0 35 | 7 58 | 16 54 | 6 53 | 7 13 | 27 38 | 17 7 | 5 11 |
| T 14 | 19 46 | 2 34 | 1 43 | 23 31 | 1 40 | 20 55 | 2 10 | 14 33 | 1 15 | 16 24 | 1 4 | 18 40 | 1 46 | 17 16 | 0 15 | 14 28 | 0 35 | 7 57 | 16 54 | 6 51 | 7 11 | 27 39 | 17 7 | 5 11 |
| W15 | 19 32 | 3s37 | 0 36 | 23 20 | 1 44 | 21 3 | 2 7 | 14 44 | 1 15 | 16 26 | 1 4 | 18 40 | 1 46 | 17 16 | 0 15 | 14 27 | 0 35 | 7 57 | 16 54 | 6 51 | 7 10 | 27 40 | 17 7 | 5 11 |
| T 16 | 19 18 | 9 29 | 0s30 | 23 6 | 1 48 | 21 11 | 2 4 | 14 54 | 1 15 | 16 28 | 1 4 | 18 40 | 1 46 | 17 16 | 0 15 | 14 26 | 0 35 | 7 56 | 16 53 | 6 51 | 7 9 | 27 41 | 17 7 | 5 10 |
| F 17 | 19 3 | 14 50 | 1 34 | 22 51 | 1 51 | 21 19 | 2 1 | 15 4 | 1 14 | 16 29 | 1 4 | 18 41 | 1 45 | 17 16 | 0 15 | 14 25 | 0 35 | 7 56 | 16 53 | 6 51 | 7 8 | 27 42 | 17 7 | 5 10 |
| S 18 | 18 48 | 19 31 | 2 32 | 22 35 | 1 54 | 21 25 | 1 58 | 15 14 | 1 14 | 16 31 | 1 4 | 18 41 | 1 45 | 17 16 | 0 15 | 14 25 | 0 35 | 7 55 | 16 53 | 6 50 | 7 7 | 27 43 | 17 7 | 5 10 |
| S 19 | 18 33 | 23 22 | 3 23 | 22 17 | 1 57 | 21 31 | 1 54 | 15 24 | 1 14 | 16 33 | 1 4 | 18 41 | 1 45 | 17 16 | 0 15 | 14 24 | 0 35 | 7 55 | 16 52 | 6 50 | 7 5 | 27 44 | 17 7 | 5 10 |
| M20 | 18 17 | 26 14 | 4 5 | 21 58 | 1 59 | 21 37 | 1 51 | 15 33 | 1 13 | 16 35 | 1 5 | 18 41 | 1 45 | 17 16 | 0 15 | 14 23 | 0 35 | 7 54 | 16 52 | 6 48 | 7 4 | 27 45 | 17 7 | 5 9 |
| T 21 | 18 1 | 27 56 | 4 36 | 21 37 | 2 1 | 21 42 | 1 48 | 15 43 | 1 13 | 16 36 | 1 5 | 18 41 | 1 44 | 17 16 | 0 15 | 14 23 | 0 35 | 7 54 | 16 52 | 6 45 | 7 3 | 27 46 | 17 7 | 5 9 |
| W22 | 17 45 | 28 21 | 4 55 | 21 14 | 2 2 | 21 46 | 1 45 | 15 53 | 1 13 | 16 38 | 1 5 | 18 41 | 1 44 | 17 16 | 0 15 | 14 22 | 0 35 | 7 53 | 16 51 | 6 41 | 7 2 | 27 47 | 17 7 | 5 9 |
| T 23 | 17 28 | 27 27 | 5 2 | 20 50 | 2 3 | 21 50 | 1 41 | 16 2 | 1 12 | 16 40 | 1 5 | 18 42 | 1 44 | 17 16 | 0 15 | 14 21 | 0 35 | 7 53 | 16 51 | 6 36 | 7 0 | 27 48 | 17 7 | 5 8 |
| F 24 | 17 11 | 25 14 | 4 55 | 20 24 | 2 4 | 21 54 | 1 38 | 16 11 | 1 12 | 16 41 | 1 5 | 18 42 | 1 44 | 17 16 | 0 15 | 14 20 | 0 35 | 7 52 | 16 51 | 6 31 | 6 59 | 27 48 | 17 7 | 5 8 |
| S 25 | 16 54 | 21 49 | 4 34 | 19 57 | 2 4 | 21 56 | 1 34 | 16 21 | 1 12 | 16 43 | 1 5 | 18 42 | 1 43 | 17 16 | 0 15 | 14 20 | 0 35 | 7 51 | 16 50 | 6 26 | 6 58 | 27 49 | 17 8 | 5 8 |
| S 26 | 16 37 | 17 22 | 4 0 | 19 28 | 2 4 | 21 58 | 1 31 | 16 30 | 1 11 | 16 44 | 1 5 | 18 42 | 1 43 | 17 16 | 0 15 | 14 19 | 0 35 | 7 51 | 16 50 | 6 22 | 6 57 | 27 50 | 17 8 | 5 8 |
| M27 | 16 19 | 12 7 | 3 13 | 18 58 | 2 4 | 22 0 | 1 27 | 16 39 | 1 11 | 16 46 | 1 5 | 18 43 | 1 43 | 17 16 | 0 15 | 14 18 | 0 35 | 7 50 | 16 50 | 6 19 | 6 56 | 27 51 | 17 8 | 5 7 |
| T 28 | 16 1 | 6 16 | 2 16 | 18 26 | 2 3 | 22 0 | 1 24 | 16 48 | 1 10 | 16 47 | 1 6 | 18 43 | 1 42 | 17 16 | 0 15 | 14 17 | 0 35 | 7 50 | 16 49 | 6 17 | 6 54 | 27 52 | 17 8 | 5 7 |
| W29 | 15 42 | 0 5 | 1 11 | 17 52 | 2 1 | 22 1 | 1 20 | 16 57 | 1 10 | 16 48 | 1 6 | 18 44 | 1 42 | 17 17 | 0 15 | 14 17 | 0 35 | 7 49 | 16 49 | 6 15 | 6 53 | 27 53 | 17 8 | 5 7 |
| T 30 | 15 24 | 6n13 | 0 0 | 17 17 | 1 59 | 22 0 | 1 17 | 17 5 | 1 9 | 16 49 | 1 6 | 18 44 | 1 42 | 17 17 | 0 15 | 14 16 | 0 35 | 7 49 | 16 49 | 6 15 | 6 52 | 27 53 | 17 8 | 5 7 |
| F 31 | 15s 5 | 12n20 | 1n11 | 16s40 | 1s57 | 21s59 | 1n13 | 17s14 | 1n 9 | 16s51 | 1n 6 | 18n44 | 1s42 | 17n17 | 0s15 | 14s15 | 0s35 | 7s48 | 16s48 | 6n15 | 6n51 | 27s54 | 17n 9 | 5s 6 |

Julian Day Number = 2215606.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'47, Lahiri = 14°50'47 Julian Calendar 1 Jan. 1354 == Greg. Calendar 9 Jan. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## FEBRUARY 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 15 30 | 20♒19'33 | 12♉55 | 21♒59 | 10♋26 | 22♏34 | 20♏27 | 0♊51 | 18♉59 | 23♒37 | 19♈48 | 15♈51 | 17♈19 | 21♐55 | 11°R10 | S 1 |
| S 2 | 9 19 26 | 21°20'02 | 26°51 | 23°50 | 11°37 | 23° 5 | 20°32 | 0°52 | 19° 0 | 23°40 | 19°48 | 15°R51 | 17°16 | 22° 1 | 11♊10 | S 2 |
| M 3 | 9 23 23 | 22°20'30 | 11♊ 3 | 25°41 | 12°49 | 23°36 | 20°37 | 0°53 | 19° 0 | 23°42 | 19°49 | 15°49 | 17°13 | 22° 8 | 11° 9 | M 3 |
| T 4 | 9 27 19 | 23°20'55 | 25°28 | 27°33 | 14° 1 | 24° 7 | 20°41 | 0°54 | 19° 1 | 23°44 | 19°50 | 15°46 | 17°10 | 22°15 | 11° 9 | T 4 |
| W 5 | 9 31 16 | 24°21'19 | 10♋ 2 | 29°26 | 15°12 | 24°38 | 20°45 | 0°55 | 19° 2 | 23°46 | 19°51 | 15°40 | 17° 6 | 22°21 | 11° 9 | W 5 |
| T 6 | 9 35 13 | 25°21'41 | 24°42 | 1♓19 | 16°24 | 25° 9 | 20°49 | 0°57 | 19° 3 | 23°49 | 19°52 | 15°32 | 17° 3 | 22°28 | 11° 9 | T 6 |
| F 7 | 9 39 9 | 26°22'00 | 9♌19 | 3°13 | 17°36 | 25°39 | 20°53 | 0°58 | 19° 4 | 23°51 | 19°53 | 15°24 | 17° 0 | 22°35 | 11° 9 | F 7 |
| S 8 | 9 43 6 | 27°22'18 | 23°47 | 5° 6 | 18°48 | 26°10 | 20°57 | 1° 0 | 19° 5 | 23°53 | 19°53 | 15°16 | 16°57 | 22°42 | 11°D 9 | S 8 |
| S 9 | 9 47 2 | 28°22'34 | 7♍58 | 7° 0 | 20° 0 | 26°40 | 21° 0 | 1° 2 | 19° 6 | 23°55 | 19°54 | 15°10 | 16°54 | 22°48 | 11° 9 | S 9 |
| M10 | 9 50 59 | 29°22'49 | 21°48 | 8°53 | 21°12 | 27°10 | 21° 4 | 1° 4 | 19° 7 | 23°58 | 19°55 | 15° 5 | 16°51 | 22°55 | 11° 9 | M10 |
| T 11 | 9 54 55 | 0♓23'01 | 5♎15 | 10°46 | 22°24 | 27°40 | 21° 7 | 1° 6 | 19° 9 | 24° 0 | 19°56 | 15° 3 | 16°47 | 23° 2 | 11° 9 | T 11 |
| W12 | 9 58 52 | 1°23'12 | 18°17 | 12°39 | 23°36 | 28°10 | 21°10 | 1° 8 | 19°10 | 24° 2 | 19°57 | 15°D 3 | 16°44 | 23° 8 | 11° 9 | W12 |
| T 13 | 10 2 48 | 2°23'21 | 0♏56 | 14°30 | 24°48 | 28°40 | 21°13 | 1°10 | 19°11 | 24° 5 | 19°58 | 15° 4 | 16°41 | 23°15 | 11°10 | T 13 |
| F 14 | 10 6 45 | 3°23'29 | 13°17 | 16°20 | 26° 1 | 29° 9 | 21°16 | 1°13 | 19°12 | 24° 7 | 19°59 | 15° 5 | 16°38 | 23°22 | 11°10 | F 14 |
| S 15 | 10 10 42 | 4°23'35 | 25°23 | 18° 8 | 27°13 | 29°39 | 21°18 | 1°15 | 19°14 | 24° 9 | 20° 0 | 15° 6 | 16°35 | 23°29 | 11°11 | S 15 |
| S 16 | 10 14 38 | 5°23'40 | 7♐19 | 19°53 | 28°25 | 0♐ 8 | 21°20 | 1°18 | 19°15 | 24°11 | 20° 1 | 15°R 7 | 16°32 | 23°35 | 11°11 | S 16 |
| M17 | 10 18 35 | 6°23'43 | 19°11 | 21°37 | 29°37 | 0°37 | 21°23 | 1°20 | 19°17 | 24°14 | 20° 2 | 15° 6 | 16°28 | 23°42 | 11°12 | M17 |
| T 18 | 10 22 31 | 7°23'44 | 1♑ 3 | 23°16 | 0♒50 | 1° 6 | 21°24 | 1°23 | 19°18 | 24°16 | 20° 3 | 15° 3 | 16°25 | 23°49 | 11°13 | T 18 |
| W19 | 10 26 28 | 8°23'44 | 12°59 | 24°52 | 2° 2 | 1°34 | 21°26 | 1°26 | 19°20 | 24°18 | 20° 4 | 14°59 | 16°22 | 23°55 | 11°14 | W19 |
| T 20 | 10 30 24 | 9°23'41 | 25° 5 | 26°24 | 3°14 | 2° 3 | 21°28 | 1°29 | 19°21 | 24°20 | 20° 6 | 14°53 | 16°19 | 24° 2 | 11°15 | T 20 |
| F 21 | 10 34 21 | 10°23'38 | 7♒22 | 27°51 | 4°27 | 2°31 | 21°29 | 1°32 | 19°23 | 24°22 | 20° 7 | 14°47 | 16°16 | 24° 9 | 11°16 | F 21 |
| S 22 | 10 38 17 | 11°23'32 | 19°52 | 29°12 | 5°39 | 2°59 | 21°30 | 1°35 | 19°25 | 24°25 | 20° 8 | 14°41 | 16°12 | 24°16 | 11°17 | S 22 |
| S 23 | 10 42 14 | 12°23'24 | 2♓38 | 0♈28 | 6°52 | 3°27 | 21°31 | 1°38 | 19°27 | 24°27 | 20° 9 | 14°35 | 16° 9 | 24°22 | 11°18 | S 23 |
| M24 | 10 46 11 | 13°23'14 | 15°38 | 1°37 | 8° 4 | 3°54 | 21°32 | 1°42 | 19°28 | 24°29 | 20°10 | 14°31 | 16° 6 | 24°29 | 11°19 | M24 |
| T 25 | 10 50 7 | 14°23'03 | 28°52 | 2°40 | 9°17 | 4°22 | 21°33 | 1°45 | 19°30 | 24°31 | 20°11 | 14°29 | 16° 3 | 24°36 | 11°21 | T 25 |
| W26 | 10 54 4 | 15°22'49 | 12♈19 | 3°35 | 10°29 | 4°49 | 21°33 | 1°49 | 19°32 | 24°33 | 20°12 | 14°D28 | 16° 0 | 24°42 | 11°22 | W26 |
| T 27 | 10 58 0 | 16°22'33 | 25°58 | 4°23 | 11°42 | 5°16 | 21°33 | 1°52 | 19°34 | 24°36 | 20°14 | 14°28 | 15°57 | 24°49 | 11°23 | T 27 |
| F 28 | 11 1 57 | 17♓22'15 | 9♉46 | 5♈ 3 | 12♒55 | 5♐43 | 21°R33 | 1♊56 | 19♉36 | 24♒38 | 20♈15 | 14♈29 | 15♈53 | 24♐56 | 11♊25 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 14s46 | 17n59 | 2n20 | 16s 1 | 1s54 | 21s57 | 1n10 | 17s22 | 1n 8 | 16s52 | 1n 6 | 18n45 | 1s41 | 17n17 | 0s15 | 14s14 | 0s35 | 7s48 | 16s48 | 6n16 | 6n49 | 27s55 | 17n 9 | 5s 6 | S 1 |
| S 2 | 14 26 | 22 47 | 3 21 | 15 21 | 1 50 | 21 55 | 1 6 | 17 31 | 1 8 | 16 53 | 1 6 | 18 45 | 1 41 | 17 17 | 0 15 | 14 14 | 0 35 | 7 47 | 16 48 | 6 16 | 6 48 | 27 56 | 17 9 | 5 6 | S 2 |
| M 3 | 14 7 | 26 20 | 4 12 | 14 40 | 1 46 | 21 52 | 1 3 | 17 39 | 1 7 | 16 54 | 1 6 | 18 46 | 1 41 | 17 18 | 0 15 | 14 13 | 0 35 | 7 46 | 16 47 | 6 15 | 6 47 | 27 57 | 17 9 | 5 5 | M 3 |
| T 4 | 13 47 | 28 14 | 4 47 | 13 57 | 1 41 | 21 48 | 0 59 | 17 47 | 1 7 | 16 55 | 1 7 | 18 46 | 1 41 | 17 18 | 0 15 | 14 12 | 0 35 | 7 46 | 16 47 | 6 13 | 6 46 | 27 57 | 17 9 | 5 5 | T 4 |
| W 5 | 13 27 | 28 13 | 5 5 | 13 12 | 1 36 | 21 44 | 0 55 | 17 55 | 1 6 | 16 56 | 1 7 | 18 47 | 1 40 | 17 18 | 0 15 | 14 11 | 0 35 | 7 45 | 16 47 | 6 11 | 6 45 | 27 58 | 17 10 | 5 5 | W 5 |
| T 6 | 13 7 | 26 13 | 5 2 | 12 27 | 1 30 | 21 39 | 0 52 | 18 3 | 1 6 | 16 57 | 1 7 | 18 47 | 1 40 | 17 19 | 0 15 | 14 11 | 0 35 | 7 45 | 16 46 | 6 8 | 6 43 | 27 59 | 17 10 | 5 4 | T 6 |
| F 7 | 12 46 | 22 29 | 4 40 | 11 39 | 1 23 | 21 34 | 0 48 | 18 11 | 1 5 | 16 58 | 1 7 | 18 48 | 1 40 | 17 19 | 0 15 | 14 10 | 0 35 | 7 44 | 16 46 | 6 5 | 6 42 | 28 0 | 17 10 | 5 4 | F 7 |
| S 8 | 12 26 | 17 25 | 4 0 | 10 51 | 1 16 | 21 28 | 0 45 | 18 19 | 1 5 | 16 59 | 1 7 | 18 49 | 1 40 | 17 19 | 0 15 | 14 9 | 0 35 | 7 43 | 16 46 | 6 2 | 6 41 | 28 1 | 17 11 | 5 4 | S 8 |
| S 9 | 12 5 | 11 29 | 3 6 | 10 2 | 1 8 | 21 21 | 0 41 | 18 26 | 1 4 | 17 0 | 1 7 | 18 49 | 1 39 | 17 19 | 0 15 | 14 8 | 0 35 | 7 43 | 16 46 | 6 0 | 6 40 | 28 1 | 17 11 | 5 4 | S 9 |
| M10 | 11 44 | 5 8 | 2 2 | 9 11 | 1 0 | 21 14 | 0 38 | 18 34 | 1 4 | 17 0 | 1 7 | 18 50 | 1 39 | 17 20 | 0 15 | 14 8 | 0 35 | 7 42 | 16 45 | 5 58 | 6 38 | 28 2 | 17 11 | 5 3 | M10 |
| T 11 | 11 23 | 1s17 | 0 53 | 8 20 | 0 51 | 21 6 | 0 34 | 18 41 | 1 3 | 17 1 | 1 7 | 18 51 | 1 39 | 17 20 | 0 15 | 14 7 | 0 35 | 7 42 | 16 45 | 5 57 | 6 37 | 28 3 | 17 12 | 5 3 | T 11 |
| W12 | 11 1 | 7 28 | 0s18 | 7 28 | 0 41 | 20 57 | 0 31 | 18 49 | 1 2 | 17 2 | 1 8 | 18 51 | 1 39 | 17 20 | 0 15 | 14 6 | 0 35 | 7 41 | 16 45 | 5 57 | 6 36 | 28 3 | 17 12 | 5 3 | W12 |
| T 13 | 10 40 | 13 10 | 1 25 | 6 36 | 0 31 | 20 48 | 0 27 | 18 56 | 1 2 | 17 2 | 1 8 | 18 52 | 1 38 | 17 21 | 0 15 | 14 5 | 0 35 | 7 40 | 16 44 | 5 57 | 6 35 | 28 4 | 17 12 | 5 2 | T 13 |
| F 14 | 10 18 | 18 13 | 2 27 | 5 43 | 0 20 | 20 38 | 0 23 | 19 3 | 1 1 | 17 3 | 1 8 | 18 53 | 1 38 | 17 21 | 0 15 | 14 5 | 0 35 | 7 40 | 16 44 | 5 58 | 6 34 | 28 5 | 17 13 | 5 2 | F 14 |
| S 15 | 9 56 | 22 26 | 3 21 | 4 50 | 0 8 | 20 28 | 0 20 | 19 10 | 1 0 | 17 3 | 1 8 | 18 53 | 1 38 | 17 22 | 0 15 | 14 4 | 0 35 | 7 39 | 16 44 | 5 58 | 6 32 | 28 6 | 17 13 | 5 2 | S 15 |
| S 16 | 9 34 | 25 39 | 4 6 | 3 58 | 0n 4 | 20 17 | 0 17 | 19 17 | 1 0 | 17 4 | 1 8 | 18 54 | 1 37 | 17 22 | 0 15 | 14 3 | 0 35 | 7 39 | 16 44 | 5 58 | 6 31 | 28 6 | 17 13 | 5 1 | S 16 |
| M17 | 9 12 | 27 43 | 4 39 | 3 6 | 0 16 | 20 5 | 0 13 | 19 24 | 0 59 | 17 4 | 1 8 | 18 55 | 1 37 | 17 22 | 0 15 | 14 3 | 0 35 | 7 38 | 16 43 | 5 58 | 6 30 | 28 7 | 17 14 | 5 1 | M17 |
| T 18 | 8 50 | 28 33 | 5 1 | 2 14 | 0 29 | 19 53 | 0 10 | 19 30 | 0 58 | 17 5 | 1 8 | 18 56 | 1 37 | 17 23 | 0 15 | 14 2 | 0 35 | 7 37 | 16 43 | 5 57 | 6 29 | 28 8 | 17 14 | 5 1 | T 18 |
| W19 | 8 27 | 28 2 | 5 10 | 1 24 | 0 42 | 19 41 | 0 6 | 19 37 | 0 57 | 17 5 | 1 9 | 18 57 | 1 37 | 17 23 | 0 15 | 14 1 | 0 35 | 7 37 | 16 43 | 5 55 | 6 27 | 28 8 | 17 15 | 5 1 | W19 |
| T 20 | 8 5 | 26 12 | 5 6 | 0 35 | 0 56 | 19 27 | 0 3 | 19 43 | 0 57 | 17 5 | 1 9 | 18 57 | 1 36 | 17 24 | 0 15 | 14 0 | 0 35 | 7 36 | 16 43 | 5 53 | 6 26 | 28 9 | 17 15 | 5 0 | T 20 |
| F 21 | 7 42 | 23 7 | 4 47 | 0n12 | 1 9 | 19 13 | 0s 0 | 19 50 | 0 56 | 17 5 | 1 9 | 18 58 | 1 36 | 17 24 | 0 15 | 14 0 | 0 35 | 7 36 | 16 42 | 5 51 | 6 25 | 28 10 | 17 15 | 5 0 | F 21 |
| S 22 | 7 19 | 18 56 | 4 14 | 0 57 | 1 23 | 18 59 | 0 4 | 19 56 | 0 55 | 17 6 | 1 9 | 18 59 | 1 36 | 17 25 | 0 15 | 13 59 | 0 35 | 7 35 | 16 42 | 5 48 | 6 24 | 28 10 | 17 16 | 5 0 | S 22 |
| S 23 | 6 56 | 13 49 | 3 29 | 1 40 | 1 36 | 18 44 | 0 7 | 20 2 | 0 54 | 17 6 | 1 9 | 19 0 | 1 36 | 17 25 | 0 15 | 13 58 | 0 35 | 7 34 | 16 42 | 5 46 | 6 23 | 28 11 | 17 16 | 4 59 | S 23 |
| M24 | 6 33 | 8 0 | 2 31 | 2 20 | 1 50 | 18 29 | 0 10 | 20 8 | 0 53 | 17 6 | 1 9 | 19 1 | 1 35 | 17 26 | 0 14 | 13 57 | 0 35 | 7 34 | 16 42 | 5 45 | 6 21 | 28 11 | 17 17 | 4 59 | M24 |
| T 25 | 6 10 | 1 44 | 1 24 | 2 57 | 2 3 | 18 13 | 0 13 | 20 14 | 0 52 | 17 6 | 1 9 | 19 2 | 1 35 | 17 26 | 0 14 | 13 57 | 0 35 | 7 33 | 16 42 | 5 44 | 6 20 | 28 12 | 17 17 | 4 59 | T 25 |
| W26 | 5 47 | 4n42 | 0 12 | 3 30 | 2 16 | 17 56 | 0 16 | 20 20 | 0 52 | 17 6 | 1 10 | 19 3 | 1 35 | 17 27 | 0 14 | 13 56 | 0 35 | 7 32 | 16 41 | 5 43 | 6 19 | 28 13 | 17 18 | 4 58 | W26 |
| T 27 | 5 24 | 11 2 | 1n 3 | 4 1 | 2 28 | 17 39 | 0 20 | 20 26 | 0 51 | 17 6 | 1 10 | 19 4 | 1 35 | 17 27 | 0 14 | 13 55 | 0 35 | 7 32 | 16 41 | 5 43 | 6 18 | 28 13 | 17 18 | 4 58 | T 27 |
| F 28 | 5s 0 | 16n55 | 2n14 | 4n27 | 2n39 | 17s22 | 0s23 | 20s31 | 0n50 | 17s 6 | 1n10 | 19n 5 | 1s35 | 17n28 | 0s14 | 13s55 | 0s35 | 7s31 | 16s41 | 5n44 | 6n16 | 28s14 | 17n19 | 4s58 | F 28 |

Julian Day Number = 2215637.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'51, Lahiri = 14°50'52 Julian Calendar 1 Feb. 1354 == Greg. Calendar 9 Feb. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## MARCH 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 5 53 | 18♓21'55 | 23♉43 | 5♈36 | 14♒ 7 | 6♐ 9 | 21°R33 | 2♊ 0 | 19♉38 | 24♒40 | 20♈16 | 14♈31 | 15♈50 | 25♐ 3 | 11♊27 | S 1 |
| S 2 | 11 9 50 | 19°21'32 | 7♊47 | 5°59 | 15°20 | 6°35 | 21♏33 | 2° 4 | 19°40 | 24°42 | 20°17 | 14°32 | 15°47 | 25° 9 | 11°28 | S 2 |
| M 3 | 11 13 46 | 20°21'07 | 21°57 | 6°15 | 16°32 | 7° 1 | 21°33 | 2° 8 | 19°42 | 24°44 | 20°18 | 14°R32 | 15°44 | 25°16 | 11°30 | M 3 |
| T 4 | 11 17 43 | 21°20'40 | 6♋10 | 6°R23 | 17°45 | 7°27 | 21°32 | 2°12 | 19°45 | 24°46 | 20°20 | 14°32 | 15°41 | 25°23 | 11°32 | T 4 |
| W 5 | 11 21 40 | 22°20'10 | 20°25 | 6°23 | 18°58 | 7°53 | 21°31 | 2°16 | 19°47 | 24°48 | 20°21 | 14°30 | 15°38 | 25°29 | 11°34 | W 5 |
| T 6 | 11 25 36 | 23°19'38 | 4♌38 | 6°14 | 20°10 | 8°18 | 21°30 | 2°21 | 19°49 | 24°50 | 20°22 | 14°28 | 15°34 | 25°36 | 11°36 | T 6 |
| F 7 | 11 29 33 | 24°19'04 | 18°45 | 5°59 | 21°23 | 8°43 | 21°29 | 2°25 | 19°51 | 24°52 | 20°23 | 14°25 | 15°31 | 25°43 | 11°38 | F 7 |
| S 8 | 11 33 29 | 25°18'27 | 2♍44 | 5°36 | 22°36 | 9° 8 | 21°27 | 2°29 | 19°54 | 24°54 | 20°25 | 14°22 | 15°28 | 25°50 | 11°40 | S 8 |
| S 9 | 11 37 26 | 26°17'48 | 16°30 | 5° 7 | 23°49 | 9°32 | 21°26 | 2°34 | 19°56 | 24°56 | 20°26 | 14°20 | 15°25 | 25°56 | 11°43 | S 9 |
| M10 | 11 41 22 | 27°17'07 | 29°59 | 4°33 | 25° 1 | 9°56 | 21°24 | 2°39 | 19°58 | 24°58 | 20°27 | 14°18 | 15°22 | 26° 3 | 11°45 | M10 |
| T 11 | 11 45 19 | 28°16'24 | 13♎12 | 3°53 | 26°14 | 10°20 | 21°22 | 2°43 | 20° 1 | 25° 0 | 20°28 | 14°D18 | 15°18 | 26°10 | 11°47 | T 11 |
| W12 | 11 49 15 | 29°15'39 | 26° 6 | 3°10 | 27°27 | 10°44 | 21°20 | 2°48 | 20° 3 | 25° 2 | 20°30 | 14°18 | 15°15 | 26°16 | 11°50 | W12 |
| T 13 | 11 53 12 | 0♈14'52 | 8♏42 | 2°23 | 28°40 | 11° 7 | 21°17 | 2°53 | 20° 6 | 25° 4 | 20°31 | 14°19 | 15°12 | 26°23 | 11°52 | T 13 |
| F 14 | 11 57 9 | 1°14'03 | 21° 2 | 1°34 | 29°53 | 11°30 | 21°15 | 2°58 | 20° 8 | 25° 6 | 20°32 | 14°20 | 15° 9 | 26°30 | 11°55 | F 14 |
| S 15 | 12 1 5 | 2°13'12 | 3♐10 | 0°45 | 1♓ 5 | 11°53 | 21°12 | 3° 3 | 20°11 | 25° 8 | 20°34 | 14°21 | 15° 6 | 26°37 | 11°58 | S 15 |
| S 16 | 12 5 2 | 3°12'20 | 15° 8 | 29♓55 | 2°18 | 12°15 | 21° 9 | 3° 8 | 20°13 | 25°10 | 20°35 | 14°22 | 15° 3 | 26°43 | 12° 0 | S 16 |
| M17 | 12 8 58 | 4°11'25 | 27° 2 | 29° 6 | 3°31 | 12°37 | 21° 6 | 3°14 | 20°16 | 25°12 | 20°36 | 14°23 | 14°59 | 26°50 | 12° 3 | M17 |
| T 18 | 12 12 55 | 5°10'29 | 8♑55 | 28°19 | 4°44 | 12°59 | 21° 3 | 3°19 | 20°19 | 25°14 | 20°38 | 14°R23 | 14°56 | 26°57 | 12° 6 | T 18 |
| W19 | 12 16 51 | 6° 9'31 | 20°52 | 27°35 | 5°57 | 13°20 | 20°59 | 3°24 | 20°21 | 25°16 | 20°39 | 14°23 | 14°53 | 27° 3 | 12° 9 | W19 |
| T 20 | 12 20 48 | 7° 8'31 | 2♒59 | 26°54 | 7°10 | 13°41 | 20°56 | 3°30 | 20°24 | 25°17 | 20°40 | 14°22 | 14°50 | 27°10 | 12°12 | T 20 |
| F 21 | 12 24 44 | 8° 7'30 | 15°18 | 26°17 | 8°23 | 14° 1 | 20°52 | 3°35 | 20°27 | 25°19 | 20°42 | 14°21 | 14°47 | 27°17 | 12°15 | F 21 |
| S 22 | 12 28 41 | 9° 6'26 | 27°54 | 25°44 | 9°36 | 14°22 | 20°48 | 3°41 | 20°30 | 25°21 | 20°43 | 14°21 | 14°43 | 27°24 | 12°18 | S 22 |
| S 23 | 12 32 38 | 10° 5'21 | 10♓49 | 25°16 | 10°49 | 14°41 | 20°44 | 3°46 | 20°33 | 25°23 | 20°45 | 14°20 | 14°40 | 27°30 | 12°21 | S 23 |
| M24 | 12 36 34 | 11° 4'13 | 24° 3 | 24°53 | 12° 2 | 15° 1 | 20°40 | 3°52 | 20°35 | 25°25 | 20°46 | 14°20 | 14°37 | 27°37 | 12°25 | M24 |
| T 25 | 12 40 31 | 12° 3'04 | 7♈37 | 24°35 | 13°15 | 15°20 | 20°35 | 3°58 | 20°38 | 25°26 | 20°47 | 14°19 | 14°34 | 27°44 | 12°28 | T 25 |
| W26 | 12 44 27 | 13° 1'53 | 21°29 | 24°23 | 14°28 | 15°38 | 20°31 | 4° 4 | 20°41 | 25°28 | 20°49 | 14°D19 | 14°31 | 27°50 | 12°31 | W26 |
| T 27 | 12 48 24 | 14° 0'40 | 5♉35 | 24°16 | 15°41 | 15°56 | 20°26 | 4°10 | 20°44 | 25°30 | 20°50 | 14°R19 | 14°28 | 27°57 | 12°35 | T 27 |
| F 28 | 12 52 20 | 14°59'24 | 19°51 | 24°D14 | 16°54 | 16°14 | 20°21 | 4°16 | 20°47 | 25°31 | 20°51 | 14°19 | 14°24 | 28° 4 | 12°38 | F 28 |
| S 29 | 12 56 17 | 15°58'07 | 4♊13 | 24°17 | 18° 7 | 16°31 | 20°16 | 4°22 | 20°50 | 25°33 | 20°53 | 14°19 | 14°21 | 28°11 | 12°42 | S 29 |
| S 30 | 13 0 13 | 16°56'47 | 18°37 | 24°26 | 19°20 | 16°48 | 20°11 | 4°28 | 20°53 | 25°34 | 20°54 | 14°19 | 14°18 | 28°17 | 12°45 | S 30 |
| M31 | 13 4 10 | 17♈55'25 | 2♋58 | 24♓39 | 20♓33 | 17♐ 4 | 20♏ 5 | 4♊34 | 20♉56 | 25♒36 | 20♈56 | 14♈19 | 14♈15 | 28♐24 | 12♊49 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s37 | 21n59 | 3n19 | 4n50 | 2n50 | 17s 4 | 0s26 | 20s37 | 0n49 | 17s 6 | 1n10 | 19n 6 | 1s34 | 17n29 | 0s14 | 13s54 | 0s35 | 7s31 | 16s41 | 5n44 | 6n15 | 28s14 | 17n19 | 4s58 |
| S 2 | 4 14 | 25 50 | 4 12 | 5 8 | 3 0 | 16 45 | 0 29 | 20 42 | 0 48 | 17 5 | 1 10 | 19 7 | 1 34 | 17 29 | 0 14 | 13 53 | 0 35 | 7 30 | 16 41 | 5 45 | 6 14 | 28 15 | 17 20 | 4 57 |
| M 3 | 3 50 | 28 6 | 4 50 | 5 22 | 3 8 | 16 26 | 0 31 | 20 48 | 0 47 | 17 5 | 1 10 | 19 8 | 1 34 | 17 30 | 0 14 | 13 53 | 0 35 | 7 29 | 16 40 | 5 45 | 6 13 | 28 16 | 17 20 | 4 57 |
| T 4 | 3 27 | 28 33 | 5 11 | 5 32 | 3 16 | 16 7 | 0 34 | 20 53 | 0 46 | 17 5 | 1 10 | 19 9 | 1 34 | 17 30 | 0 14 | 13 52 | 0 35 | 7 29 | 16 40 | 5 45 | 6 12 | 28 16 | 17 21 | 4 57 |
| W 5 | 3 3 | 27 7 | 5 13 | 5 37 | 3 22 | 15 47 | 0 37 | 20 58 | 0 45 | 17 4 | 1 10 | 19 10 | 1 33 | 17 31 | 0 14 | 13 51 | 0 35 | 7 28 | 16 40 | 5 44 | 6 10 | 28 17 | 17 21 | 4 56 |
| T 6 | 2 39 | 23 57 | 4 55 | 5 38 | 3 26 | 15 26 | 0 40 | 21 3 | 0 44 | 17 4 | 1 11 | 19 11 | 1 33 | 17 32 | 0 14 | 13 51 | 0 35 | 7 28 | 16 40 | 5 43 | 6 9 | 28 17 | 17 22 | 4 56 |
| F 7 | 2 16 | 19 22 | 4 20 | 5 35 | 3 29 | 15 6 | 0 43 | 21 8 | 0 42 | 17 4 | 1 11 | 19 12 | 1 33 | 17 32 | 0 14 | 13 50 | 0 35 | 7 27 | 16 40 | 5 42 | 6 8 | 28 18 | 17 23 | 4 56 |
| S 8 | 1 52 | 13 47 | 3 29 | 5 27 | 3 31 | 14 45 | 0 45 | 21 13 | 0 41 | 17 3 | 1 11 | 19 13 | 1 33 | 17 33 | 0 14 | 13 49 | 0 35 | 7 26 | 16 39 | 5 41 | 6 7 | 28 18 | 17 23 | 4 55 |
| S 9 | 1 29 | 7 37 | 2 27 | 5 15 | 3 30 | 14 23 | 0 48 | 21 18 | 0 40 | 17 3 | 1 11 | 19 14 | 1 32 | 17 33 | 0 14 | 13 49 | 0 35 | 7 26 | 16 39 | 5 40 | 6 5 | 28 19 | 17 24 | 4 55 |
| M10 | 1 5 | 1 12 | 1 18 | 5 0 | 3 28 | 14 1 | 0 50 | 21 23 | 0 39 | 17 2 | 1 11 | 19 15 | 1 32 | 17 34 | 0 14 | 13 48 | 0 35 | 7 25 | 16 39 | 5 40 | 6 4 | 28 19 | 17 24 | 4 55 |
| T 11 | 0 41 | 5s 8 | 0 6 | 4 40 | 3 24 | 13 39 | 0 53 | 21 27 | 0 38 | 17 1 | 1 11 | 19 17 | 1 32 | 17 35 | 0 14 | 13 47 | 0 35 | 7 25 | 16 39 | 5 39 | 6 3 | 28 20 | 17 25 | 4 55 |
| W12 | 0 18 | 11 7 | 1s 5 | 4 18 | 3 18 | 13 16 | 0 55 | 21 32 | 0 36 | 17 1 | 1 11 | 19 18 | 1 32 | 17 36 | 0 14 | 13 47 | 0 35 | 7 24 | 16 39 | 5 40 | 6 2 | 28 20 | 17 25 | 4 54 |
| T 13 | 0n 6 | 16 31 | 2 11 | 3 52 | 3 11 | 12 53 | 0 58 | 21 37 | 0 35 | 17 0 | 1 11 | 19 19 | 1 32 | 17 36 | 0 14 | 13 46 | 0 35 | 7 23 | 16 39 | 5 40 | 6 0 | 28 21 | 17 26 | 4 54 |
| F 14 | 0 30 | 21 7 | 3 9 | 3 25 | 3 2 | 12 29 | 1 0 | 21 41 | 0 34 | 16 59 | 1 12 | 19 20 | 1 31 | 17 37 | 0 14 | 13 45 | 0 35 | 7 23 | 16 39 | 5 40 | 5 59 | 28 21 | 17 27 | 4 54 |
| S 15 | 0 53 | 24 46 | 3 58 | 2 55 | 2 51 | 12 6 | 1 2 | 21 45 | 0 32 | 16 58 | 1 12 | 19 21 | 1 31 | 17 38 | 0 14 | 13 45 | 0 35 | 7 22 | 16 39 | 5 41 | 5 58 | 28 22 | 17 27 | 4 54 |
| S 16 | 1 17 | 27 16 | 4 36 | 2 24 | 2 40 | 11 41 | 1 4 | 21 50 | 0 31 | 16 57 | 1 12 | 19 22 | 1 31 | 17 38 | 0 14 | 13 44 | 0 35 | 7 22 | 16 38 | 5 41 | 5 57 | 28 22 | 17 28 | 4 53 |
| M17 | 1 40 | 28 32 | 5 2 | 1 53 | 2 27 | 11 17 | 1 6 | 21 54 | 0 30 | 16 57 | 1 12 | 19 24 | 1 31 | 17 39 | 0 14 | 13 43 | 0 35 | 7 21 | 16 38 | 5 41 | 5 56 | 28 23 | 17 29 | 4 53 |
| T 18 | 2 4 | 28 28 | 5 15 | 1 21 | 2 12 | 10 52 | 1 8 | 21 58 | 0 28 | 16 56 | 1 12 | 19 25 | 1 30 | 17 40 | 0 14 | 13 43 | 0 35 | 7 20 | 16 38 | 5 41 | 5 54 | 28 23 | 17 29 | 4 53 |
| W19 | 2 27 | 27 5 | 5 14 | 0 50 | 1 58 | 10 27 | 1 10 | 22 2 | 0 27 | 16 55 | 1 12 | 19 26 | 1 30 | 17 41 | 0 14 | 13 42 | 0 35 | 7 20 | 16 38 | 5 41 | 5 53 | 28 23 | 17 30 | 4 53 |
| T 20 | 2 51 | 24 25 | 5 0 | 0 19 | 1 42 | 10 2 | 1 12 | 22 6 | 0 25 | 16 54 | 1 12 | 19 27 | 1 30 | 17 41 | 0 14 | 13 42 | 0 35 | 7 19 | 16 38 | 5 41 | 5 52 | 28 24 | 17 30 | 4 52 |
| F 21 | 3 14 | 20 37 | 4 32 | 0s10 | 1 26 | 9 36 | 1 14 | 22 10 | 0 24 | 16 52 | 1 12 | 19 29 | 1 30 | 17 42 | 0 14 | 13 41 | 0 36 | 7 19 | 16 38 | 5 41 | 5 51 | 28 24 | 17 31 | 4 52 |
| S 22 | 3 37 | 15 50 | 3 50 | 0 38 | 1 10 | 9 10 | 1 16 | 22 14 | 0 22 | 16 51 | 1 12 | 19 30 | 1 30 | 17 43 | 0 14 | 13 40 | 0 36 | 7 18 | 16 38 | 5 40 | 5 49 | 28 25 | 17 32 | 4 52 |
| S 23 | 4 1 | 10 14 | 2 55 | 1 4 | 0 54 | 8 44 | 1 17 | 22 18 | 0 21 | 16 50 | 1 12 | 19 31 | 1 29 | 17 44 | 0 14 | 13 40 | 0 36 | 7 18 | 16 38 | 5 40 | 5 48 | 28 25 | 17 32 | 4 52 |
| M24 | 4 24 | 4 3 | 1 50 | 1 28 | 0 38 | 8 17 | 1 19 | 22 22 | 0 19 | 16 49 | 1 13 | 19 32 | 1 29 | 17 44 | 0 14 | 13 39 | 0 36 | 7 17 | 16 38 | 5 40 | 5 47 | 28 26 | 17 33 | 4 51 |
| T 25 | 4 47 | 2n28 | 0 37 | 1 49 | 0 22 | 7 51 | 1 21 | 22 26 | 0 17 | 16 48 | 1 13 | 19 34 | 1 29 | 17 45 | 0 14 | 13 39 | 0 36 | 7 16 | 16 38 | 5 40 | 5 46 | 28 26 | 17 34 | 4 51 |
| W26 | 5 10 | 9 1 | 0n40 | 2 9 | 0 6 | 7 24 | 1 22 | 22 29 | 0 16 | 16 46 | 1 13 | 19 35 | 1 29 | 17 46 | 0 14 | 13 38 | 0 36 | 7 16 | 16 37 | 5 40 | 5 44 | 28 26 | 17 34 | 4 51 |
| T 27 | 5 33 | 15 14 | 1 55 | 2 25 | 0s 9 | 6 57 | 1 23 | 22 33 | 0 14 | 16 45 | 1 13 | 19 36 | 1 29 | 17 47 | 0 14 | 13 38 | 0 36 | 7 15 | 16 37 | 5 40 | 5 43 | 28 27 | 17 35 | 4 51 |
| F 28 | 5 56 | 20 43 | 3 4 | 2 39 | 0 23 | 6 30 | 1 25 | 22 37 | 0 12 | 16 44 | 1 13 | 19 37 | 1 28 | 17 47 | 0 14 | 13 37 | 0 36 | 7 15 | 16 37 | 5 40 | 5 42 | 28 27 | 17 36 | 4 50 |
| S 29 | 6 18 | 25 2 | 4 3 | 2 51 | 0 38 | 6 2 | 1 26 | 22 40 | 0 10 | 16 42 | 1 13 | 19 39 | 1 28 | 17 48 | 0 14 | 13 37 | 0 36 | 7 14 | 16 37 | 5 40 | 5 41 | 28 27 | 17 36 | 4 50 |
| S 30 | 6 41 | 27 47 | 4 46 | 3 0 | 0 51 | 5 35 | 1 27 | 22 44 | 0 8 | 16 41 | 1 13 | 19 40 | 1 28 | 17 49 | 0 14 | 13 36 | 0 36 | 7 14 | 16 37 | 5 40 | 5 40 | 28 28 | 17 37 | 4 50 |
| M31 | 7n 3 | 28n40 | 5n11 | 3s 7 | 1s 4 | 5s 7 | 1s28 | 22s47 | 0n 6 | 16s39 | 1n13 | 19n41 | 1s28 | 17n50 | 0s14 | 13s36 | 0s36 | 7s13 | 16s37 | 5n40 | 5n38 | 28s28 | 17n38 | 4s50 |

Julian Day Number = 2215665.5, Delta T = 09m03s
Ecliptic obliquity = 23°31'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'55, Lahiri = 14°50'55 Julian Calendar 1 March 1354 == Greg. Calendar 9 March 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## APRIL 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 8 6 | 18♈54'01 | 17♋13 | 24♓57 | 21♓46 | 17♐20 | 20°R 0 | 4♊40 | 20♉59 | 25♒38 | 20♈57 | 14°D19 | 14♈12 | 28♐31 | 12♊53 | T 1 |
| W 2 | 13 12 3 | 19°52'35 | 1♌19 | 25°20 | 22°59 | 17°35 | 19♏54 | 4°47 | 21° 2 | 25°39 | 20°58 | 14♈19 | 14° 9 | 28°37 | 12°57 | W 2 |
| T 3 | 13 16 0 | 20°51'06 | 15°14 | 25°48 | 24°12 | 17°50 | 19°49 | 4°53 | 21° 6 | 25°41 | 21° 0 | 14°19 | 14° 5 | 28°44 | 13° 0 | T 3 |
| F 4 | 13 19 56 | 21°49'35 | 28°58 | 26°19 | 25°25 | 18° 4 | 19°43 | 4°59 | 21° 9 | 25°42 | 21° 1 | 14°20 | 14° 2 | 28°51 | 13° 4 | F 4 |
| S 5 | 13 23 53 | 22°48'02 | 12♍29 | 26°55 | 26°38 | 18°18 | 19°37 | 5° 6 | 21°12 | 25°44 | 21° 3 | 14°21 | 13°59 | 28°58 | 13° 8 | S 5 |
| S 6 | 13 27 49 | 23°46'26 | 25°48 | 27°34 | 27°51 | 18°32 | 19°31 | 5°12 | 21°15 | 25°45 | 21° 4 | 14°21 | 13°56 | 29° 4 | 13°12 | S 6 |
| M 7 | 13 31 46 | 24°44'49 | 8♎53 | 28°17 | 29° 4 | 18°44 | 19°24 | 5°19 | 21°18 | 25°46 | 21° 5 | 14°R22 | 13°53 | 29°11 | 13°16 | M 7 |
| T 8 | 13 35 42 | 25°43'10 | 21°45 | 29° 4 | 0♈17 | 18°57 | 19°18 | 5°26 | 21°22 | 25°48 | 21° 7 | 14°22 | 13°49 | 29°18 | 13°20 | T 8 |
| W 9 | 13 39 39 | 26°41'29 | 4♏24 | 29°54 | 1°30 | 19° 8 | 19°12 | 5°32 | 21°25 | 25°49 | 21° 8 | 14°21 | 13°46 | 29°25 | 13°25 | W 9 |
| T 10 | 13 43 35 | 27°39'46 | 16°50 | 0♈48 | 2°43 | 19°19 | 19° 5 | 5°39 | 21°28 | 25°50 | 21° 9 | 14°20 | 13°43 | 29°31 | 13°29 | T 10 |
| F 11 | 13 47 32 | 28°38'01 | 29° 4 | 1°44 | 3°56 | 19°30 | 18°58 | 5°46 | 21°31 | 25°52 | 21°11 | 14°18 | 13°40 | 29°38 | 13°33 | F 11 |
| S 12 | 13 51 29 | 29°36'15 | 11♐ 9 | 2°44 | 5° 9 | 19°40 | 18°52 | 5°53 | 21°35 | 25°53 | 21°12 | 14°16 | 13°37 | 29°45 | 13°37 | S 12 |
| S 13 | 13 55 25 | 0♉34'27 | 23° 7 | 3°46 | 6°22 | 19°49 | 18°45 | 5°59 | 21°38 | 25°54 | 21°14 | 14°13 | 13°34 | 29°51 | 13°42 | S 13 |
| M14 | 13 59 22 | 1°32'38 | 5♑ 0 | 4°51 | 7°35 | 19°58 | 18°38 | 6° 6 | 21°41 | 25°55 | 21°15 | 14°11 | 13°30 | 29°58 | 13°46 | M14 |
| T 15 | 14 3 18 | 2°30'47 | 16°53 | 5°59 | 8°48 | 20° 6 | 18°31 | 6°13 | 21°45 | 25°57 | 21°16 | 14°10 | 13°27 | 0♑ 5 | 13°50 | T 15 |
| W16 | 14 7 15 | 3°28'54 | 28°50 | 7°10 | 10° 1 | 20°13 | 18°24 | 6°20 | 21°48 | 25°58 | 21°18 | 14°D 9 | 13°24 | 0°12 | 13°55 | W16 |
| T 17 | 14 11 11 | 4°27'00 | 10♒55 | 8°23 | 11°15 | 20°20 | 18°17 | 6°27 | 21°51 | 25°59 | 21°19 | 14° 9 | 13°21 | 0°18 | 13°59 | T 17 |
| F 18 | 14 15 8 | 5°25'05 | 23°13 | 9°38 | 12°28 | 20°26 | 18°10 | 6°35 | 21°55 | 26° 0 | 21°20 | 14°10 | 13°18 | 0°25 | 14° 4 | F 18 |
| S 19 | 14 19 4 | 6°23'08 | 5♓48 | 10°56 | 13°41 | 20°31 | 18° 2 | 6°42 | 21°58 | 26° 1 | 21°22 | 14°11 | 13°15 | 0°32 | 14° 9 | S 19 |
| S 20 | 14 23 1 | 7°21'10 | 18°45 | 12°16 | 14°54 | 20°36 | 17°55 | 6°49 | 22° 2 | 26° 2 | 21°23 | 14°13 | 13°11 | 0°38 | 14°13 | S 20 |
| M21 | 14 26 58 | 8°19'10 | 2♈ 5 | 13°38 | 16° 7 | 20°40 | 17°47 | 6°56 | 22° 5 | 26° 3 | 21°24 | 14°14 | 13° 8 | 0°45 | 14°18 | M21 |
| T 22 | 14 30 54 | 9°17'09 | 15°50 | 15° 3 | 17°20 | 20°44 | 17°40 | 7° 3 | 22° 8 | 26° 4 | 21°26 | 14°R14 | 13° 5 | 0°52 | 14°23 | T 22 |
| W23 | 14 34 51 | 10°15'06 | 29°58 | 16°29 | 18°33 | 20°46 | 17°32 | 7°11 | 22°12 | 26° 5 | 21°27 | 14°13 | 13° 2 | 0°59 | 14°27 | W23 |
| T 24 | 14 38 47 | 11°13'02 | 14♉26 | 17°58 | 19°46 | 20°48 | 17°25 | 7°18 | 22°15 | 26° 6 | 21°28 | 14°11 | 12°59 | 1° 5 | 14°32 | T 24 |
| F 25 | 14 42 44 | 12°10'57 | 29° 9 | 19°29 | 21° 0 | 20°49 | 17°17 | 7°25 | 22°19 | 26° 7 | 21°30 | 14° 8 | 12°55 | 1°12 | 14°37 | F 25 |
| S 26 | 14 46 40 | 13° 8'49 | 13♊59 | 21° 3 | 22°13 | 20°R49 | 17°10 | 7°33 | 22°22 | 26° 7 | 21°31 | 14° 4 | 12°52 | 1°19 | 14°42 | S 26 |
| S 27 | 14 50 37 | 14° 6'41 | 28°48 | 22°38 | 23°26 | 20°49 | 17° 2 | 7°40 | 22°26 | 26° 8 | 21°32 | 14° 0 | 12°49 | 1°25 | 14°47 | S 27 |
| M28 | 14 54 33 | 15° 4'30 | 13♋28 | 24°15 | 24°39 | 20°48 | 16°55 | 7°47 | 22°29 | 26° 9 | 21°34 | 13°57 | 12°46 | 1°32 | 14°52 | M28 |
| T 29 | 14 58 30 | 16° 2'18 | 27°55 | 25°55 | 25°52 | 20°46 | 16°47 | 7°55 | 22°33 | 26°10 | 21°35 | 13°54 | 12°43 | 1°39 | 14°57 | T 29 |
| W30 | 15 2 27 | 17♉ 0'04 | 12♌ 4 | 27♈37 | 27♈ 5 | 20♐44 | 16♏39 | 8♊ 2 | 22♉36 | 26♒10 | 21♈36 | 13°D53 | 12♈40 | 1♑46 | 15♊ 2 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n26 | 27n38 | 5n16 | 3s10 | 1s16 | 4s39 | 1s29 | 22s51 | 0n 4 | 16s38 | 1n13 | 19n43 | 1s28 | 17n51 | 0s14 | 13s35 | 0s36 | 7s13 | 16s37 | 5n40 | 5n37 | 28s28 | 17n38 | 4s49 |
| W 2 | 7 48 | 24 52 | 5 3 | 3 12 | 1 28 | 4 11 | 1 30 | 22 54 | 0 2 | 16 36 | 1 13 | 19 44 | 1 28 | 17 52 | 0 14 | 13 35 | 0 36 | 7 12 | 16 37 | 5 40 | 5 36 | 28 29 | 17 39 | 4 49 |
| T 3 | 8 10 | 20 39 | 4 32 | 3 11 | 1 38 | 3 43 | 1 31 | 22 58 | 0 0 | 16 35 | 1 13 | 19 45 | 1 27 | 17 52 | 0 14 | 13 34 | 0 36 | 7 12 | 16 37 | 5 40 | 5 35 | 28 29 | 17 40 | 4 49 |
| F 4 | 8 32 | 15 24 | 3 46 | 3 8 | 1 49 | 3 14 | 1 32 | 23 1 | 0s 2 | 16 33 | 1 13 | 19 47 | 1 27 | 17 53 | 0 14 | 13 34 | 0 36 | 7 11 | 16 37 | 5 40 | 5 33 | 28 29 | 17 40 | 4 49 |
| S 5 | 8 54 | 9 28 | 2 47 | 3 2 | 1 58 | 2 46 | 1 33 | 23 5 | 0 4 | 16 32 | 1 13 | 19 48 | 1 27 | 17 54 | 0 14 | 13 33 | 0 36 | 7 11 | 16 37 | 5 40 | 5 32 | 28 30 | 17 41 | 4 49 |
| S 6 | 9 16 | 3 13 | 1 41 | 2 54 | 2 6 | 2 17 | 1 34 | 23 8 | 0 6 | 16 30 | 1 13 | 19 49 | 1 27 | 17 55 | 0 14 | 13 33 | 0 36 | 7 10 | 16 37 | 5 41 | 5 31 | 28 30 | 17 42 | 4 48 |
| M 7 | 9 37 | 3s 4 | 0 30 | 2 44 | 2 14 | 1 49 | 1 34 | 23 11 | 0 8 | 16 28 | 1 13 | 19 51 | 1 27 | 17 56 | 0 14 | 13 32 | 0 36 | 7 10 | 16 37 | 5 41 | 5 30 | 28 30 | 17 42 | 4 48 |
| T 8 | 9 59 | 9 8 | 0s41 | 2 32 | 2 22 | 1 20 | 1 35 | 23 15 | 0 11 | 16 26 | 1 13 | 19 52 | 1 27 | 17 57 | 0 14 | 13 32 | 0 36 | 7 9 | 16 37 | 5 41 | 5 28 | 28 30 | 17 43 | 4 48 |
| W 9 | 10 20 | 14 44 | 1 49 | 2 18 | 2 28 | 0 51 | 1 35 | 23 18 | 0 13 | 16 25 | 1 13 | 19 53 | 1 26 | 17 58 | 0 14 | 13 31 | 0 36 | 7 9 | 16 37 | 5 41 | 5 27 | 28 31 | 17 44 | 4 48 |
| T 10 | 10 41 | 19 38 | 2 50 | 2 2 | 2 34 | 0 23 | 1 36 | 23 21 | 0 16 | 16 23 | 1 13 | 19 55 | 1 26 | 17 58 | 0 14 | 13 31 | 0 36 | 7 8 | 16 37 | 5 40 | 5 26 | 28 31 | 17 44 | 4 48 |
| F 11 | 11 2 | 23 38 | 3 42 | 1 44 | 2 39 | 0n 6 | 1 36 | 23 24 | 0 18 | 16 21 | 1 13 | 19 56 | 1 26 | 17 59 | 0 14 | 13 31 | 0 36 | 7 8 | 16 37 | 5 39 | 5 25 | 28 31 | 17 45 | 4 48 |
| S 12 | 11 22 | 26 33 | 4 24 | 1 25 | 2 43 | 0 35 | 1 36 | 23 28 | 0 20 | 16 19 | 1 13 | 19 57 | 1 26 | 18 0 | 0 14 | 13 30 | 0 36 | 7 7 | 16 37 | 5 39 | 5 23 | 28 31 | 17 46 | 4 47 |
| S 13 | 11 43 | 28 14 | 4 54 | 1 3 | 2 47 | 1 4 | 1 36 | 23 31 | 0 23 | 16 17 | 1 13 | 19 59 | 1 26 | 18 1 | 0 14 | 13 30 | 0 36 | 7 7 | 16 37 | 5 38 | 5 22 | 28 32 | 17 46 | 4 47 |
| M14 | 12 3 | 28 37 | 5 11 | 0 40 | 2 50 | 1 33 | 1 36 | 23 34 | 0 26 | 16 15 | 1 13 | 20 0 | 1 26 | 18 2 | 0 14 | 13 29 | 0 36 | 7 6 | 16 37 | 5 37 | 5 21 | 28 32 | 17 47 | 4 47 |
| T 15 | 12 23 | 27 39 | 5 15 | 0 15 | 2 53 | 2 2 | 1 36 | 23 37 | 0 28 | 16 13 | 1 13 | 20 1 | 1 25 | 18 3 | 0 14 | 13 29 | 0 36 | 7 6 | 16 37 | 5 36 | 5 20 | 28 32 | 17 48 | 4 47 |
| W16 | 12 43 | 25 26 | 5 5 | 0n11 | 2 54 | 2 31 | 1 36 | 23 41 | 0 31 | 16 12 | 1 13 | 20 3 | 1 25 | 18 4 | 0 14 | 13 29 | 0 36 | 7 5 | 16 37 | 5 36 | 5 18 | 28 32 | 17 48 | 4 47 |
| T 17 | 13 3 | 22 4 | 4 41 | 0 39 | 2 56 | 2 59 | 1 36 | 23 44 | 0 34 | 16 10 | 1 13 | 20 4 | 1 25 | 18 5 | 0 14 | 13 28 | 0 36 | 7 5 | 16 38 | 5 36 | 5 17 | 28 32 | 17 49 | 4 47 |
| F 18 | 13 23 | 17 41 | 4 5 | 1 8 | 2 56 | 3 28 | 1 36 | 23 47 | 0 37 | 16 8 | 1 13 | 20 5 | 1 25 | 18 5 | 0 14 | 13 28 | 0 36 | 7 4 | 16 38 | 5 36 | 5 16 | 28 32 | 17 50 | 4 46 |
| S 19 | 13 42 | 12 27 | 3 16 | 1 39 | 2 56 | 3 57 | 1 36 | 23 50 | 0 39 | 16 6 | 1 13 | 20 7 | 1 25 | 18 6 | 0 14 | 13 28 | 0 36 | 7 4 | 16 38 | 5 37 | 5 15 | 28 33 | 17 50 | 4 46 |
| S 20 | 14 1 | 6 33 | 2 16 | 2 10 | 2 55 | 4 26 | 1 35 | 23 54 | 0 42 | 16 4 | 1 13 | 20 8 | 1 25 | 18 7 | 0 14 | 13 27 | 0 36 | 7 4 | 16 38 | 5 37 | 5 14 | 28 33 | 17 51 | 4 46 |
| M21 | 14 20 | 0 11 | 1 6 | 2 44 | 2 54 | 4 54 | 1 35 | 23 57 | 0 45 | 16 2 | 1 13 | 20 9 | 1 25 | 18 8 | 0 14 | 13 27 | 0 36 | 7 3 | 16 38 | 5 38 | 5 12 | 28 33 | 17 52 | 4 46 |
| T 22 | 14 38 | 6n23 | 0n 9 | 3 18 | 2 52 | 5 23 | 1 34 | 24 0 | 0 48 | 15 59 | 1 13 | 20 11 | 1 24 | 18 9 | 0 14 | 13 27 | 0 36 | 7 3 | 16 38 | 5 38 | 5 11 | 28 33 | 17 52 | 4 46 |
| W23 | 14 57 | 12 50 | 1 25 | 3 54 | 2 50 | 5 51 | 1 34 | 24 3 | 0 51 | 15 57 | 1 13 | 20 12 | 1 24 | 18 10 | 0 14 | 13 26 | 0 36 | 7 2 | 16 38 | 5 38 | 5 10 | 28 33 | 17 53 | 4 46 |
| T 24 | 15 15 | 18 45 | 2 38 | 4 31 | 2 46 | 6 19 | 1 33 | 24 7 | 0 54 | 15 55 | 1 13 | 20 13 | 1 24 | 18 11 | 0 14 | 13 26 | 0 36 | 7 2 | 16 38 | 5 37 | 5 9 | 28 33 | 17 54 | 4 46 |
| F 25 | 15 33 | 23 38 | 3 41 | 5 9 | 2 43 | 6 47 | 1 33 | 24 10 | 0 58 | 15 53 | 1 13 | 20 15 | 1 24 | 18 12 | 0 14 | 13 26 | 0 36 | 7 2 | 16 38 | 5 36 | 5 7 | 28 34 | 17 54 | 4 46 |
| S 26 | 15 50 | 27 2 | 4 30 | 5 47 | 2 39 | 7 15 | 1 32 | 24 13 | 1 1 | 15 51 | 1 13 | 20 16 | 1 24 | 18 13 | 0 14 | 13 26 | 0 37 | 7 1 | 16 38 | 5 34 | 5 6 | 28 34 | 17 55 | 4 46 |
| S 27 | 16 8 | 28 33 | 5 1 | 6 27 | 2 34 | 7 43 | 1 31 | 24 16 | 1 4 | 15 49 | 1 13 | 20 17 | 1 24 | 18 14 | 0 14 | 13 25 | 0 37 | 7 1 | 16 38 | 5 33 | 5 5 | 28 34 | 17 56 | 4 45 |
| M28 | 16 25 | 28 1 | 5 12 | 7 8 | 2 29 | 8 11 | 1 30 | 24 20 | 1 8 | 15 47 | 1 13 | 20 19 | 1 24 | 18 14 | 0 14 | 13 25 | 0 37 | 7 1 | 16 39 | 5 31 | 5 4 | 28 34 | 17 56 | 4 45 |
| T 29 | 16 42 | 25 36 | 5 3 | 7 50 | 2 23 | 8 39 | 1 29 | 24 23 | 1 11 | 15 45 | 1 13 | 20 20 | 1 23 | 18 15 | 0 14 | 13 25 | 0 37 | 7 0 | 16 39 | 5 30 | 5 2 | 28 34 | 17 57 | 4 45 |
| W30 | 16n58 | 21n38 | 4n35 | 8n32 | 2s17 | 9n 6 | 1s28 | 24s26 | 1s14 | 15s43 | 1n13 | 20n21 | 1s23 | 18n16 | 0s13 | 13s25 | 0s37 | 7s 0 | 16s39 | 5n30 | 5n 1 | 28s34 | 17n57 | 4s45 |

Julian Day Number = 2215696.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°43'59, Lahiri = 14°51'00 Julian Calendar 1 Apr. 1354 == Greg. Calendar 9 Apr. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## MAY 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 6 23 | 17♉57'48 | 25♌54 | 29♈20 | 28♈19 | 20°R40 | 16°R32 | 8♊10 | 22♉40 | 26♒11 | 21♈38 | 13♈53 | 12♈36 | 1♑52 | 15♊ 7 | T 1 |
| F 2 | 15 10 20 | 18°55'30 | 9♍25 | 1♉ 6 | 29°32 | 20♐36 | 16♏24 | 8°18 | 22°43 | 26°12 | 21°39 | 13°54 | 12°33 | 1°59 | 15°12 | F 2 |
| S 3 | 15 14 16 | 19°53'11 | 22°38 | 2°54 | 0♉45 | 20°31 | 16°16 | 8°25 | 22°47 | 26°12 | 21°40 | 13°56 | 12°30 | 2° 6 | 15°17 | S 3 |
| S 4 | 15 18 13 | 20°50'50 | 5♎36 | 4°44 | 1°58 | 20°26 | 16° 9 | 8°33 | 22°50 | 26°13 | 21°41 | 13°57 | 12°27 | 2°13 | 15°22 | S 4 |
| M 5 | 15 22 9 | 21°48'28 | 18°20 | 6°36 | 3°11 | 20°19 | 16° 1 | 8°40 | 22°54 | 26°14 | 21°43 | 13°R57 | 12°24 | 2°19 | 15°27 | M 5 |
| T 6 | 15 26 6 | 22°46'04 | 0♏52 | 8°30 | 4°24 | 20°12 | 15°54 | 8°48 | 22°57 | 26°14 | 21°44 | 13°56 | 12°20 | 2°26 | 15°32 | T 6 |
| W 7 | 15 30 2 | 23°43'39 | 13°15 | 10°27 | 5°38 | 20° 4 | 15°46 | 8°56 | 23° 1 | 26°15 | 21°45 | 13°52 | 12°17 | 2°33 | 15°37 | W 7 |
| T 8 | 15 33 59 | 24°41'13 | 25°28 | 12°25 | 6°51 | 19°56 | 15°39 | 9° 3 | 23° 4 | 26°15 | 21°46 | 13°47 | 12°14 | 2°39 | 15°43 | T 8 |
| F 9 | 15 37 56 | 25°38'45 | 7♐34 | 14°25 | 8° 4 | 19°47 | 15°31 | 9°11 | 23° 8 | 26°15 | 21°47 | 13°41 | 12°11 | 2°46 | 15°48 | F 9 |
| S 10 | 15 41 52 | 26°36'17 | 19°33 | 16°27 | 9°17 | 19°37 | 15°24 | 9°19 | 23°11 | 26°16 | 21°49 | 13°33 | 12° 8 | 2°53 | 15°53 | S 10 |
| S 11 | 15 45 49 | 27°33'47 | 1♑28 | 18°31 | 10°30 | 19°26 | 15°16 | 9°27 | 23°15 | 26°16 | 21°50 | 13°25 | 12° 5 | 3° 0 | 15°58 | S 11 |
| M12 | 15 49 45 | 28°31'17 | 13°21 | 20°37 | 11°44 | 19°15 | 15° 9 | 9°34 | 23°18 | 26°17 | 21°51 | 13°17 | 12° 1 | 3° 6 | 16° 4 | M12 |
| T 13 | 15 53 42 | 29°28'45 | 25°13 | 22°44 | 12°57 | 19° 3 | 15° 2 | 9°42 | 23°22 | 26°17 | 21°52 | 13°11 | 11°58 | 3°13 | 16° 9 | T 13 |
| W14 | 15 57 38 | 0♊26'13 | 7♒ 9 | 24°52 | 14°10 | 18°50 | 14°55 | 9°50 | 23°25 | 26°17 | 21°53 | 13° 6 | 11°55 | 3°20 | 16°14 | W14 |
| T 15 | 16 1 35 | 1°23'40 | 19°13 | 27° 2 | 15°23 | 18°37 | 14°48 | 9°58 | 23°29 | 26°17 | 21°54 | 13° 3 | 11°52 | 3°26 | 16°20 | T 15 |
| F 16 | 16 5 32 | 2°21'06 | 1♓28 | 29°12 | 16°36 | 18°23 | 14°41 | 10° 5 | 23°32 | 26°18 | 21°55 | 13°D 2 | 11°49 | 3°33 | 16°25 | F 16 |
| S 17 | 16 9 28 | 3°18'31 | 14° 0 | 1♊24 | 17°50 | 18° 8 | 14°34 | 10°13 | 23°36 | 26°18 | 21°57 | 13° 3 | 11°46 | 3°40 | 16°30 | S 17 |
| S 18 | 16 13 25 | 4°15'55 | 26°53 | 3°36 | 19° 3 | 17°53 | 14°27 | 10°21 | 23°39 | 26°18 | 21°58 | 13° 4 | 11°42 | 3°47 | 16°36 | S 18 |
| M19 | 16 17 21 | 5°13'19 | 10♈11 | 5°48 | 20°16 | 17°37 | 14°20 | 10°29 | 23°43 | 26°18 | 21°59 | 13°R 5 | 11°39 | 3°53 | 16°41 | M19 |
| T 20 | 16 21 18 | 6°10'43 | 23°56 | 8° 0 | 21°30 | 17°21 | 14°13 | 10°37 | 23°46 | 26°18 | 22° 0 | 13° 4 | 11°36 | 4° 0 | 16°47 | T 20 |
| W21 | 16 25 14 | 7° 8'05 | 8♉10 | 10°11 | 22°43 | 17° 4 | 14° 7 | 10°45 | 23°49 | 26°18 | 22° 1 | 13° 2 | 11°33 | 4° 7 | 16°52 | W21 |
| T 22 | 16 29 11 | 8° 5'27 | 22°49 | 12°22 | 23°56 | 16°47 | 14° 0 | 10°52 | 23°53 | 26°R18 | 22° 2 | 12°57 | 11°30 | 4°14 | 16°58 | T 22 |
| F 23 | 16 33 7 | 9° 2'49 | 7♊47 | 14°32 | 25°10 | 16°30 | 13°54 | 11° 0 | 23°56 | 26°18 | 22° 3 | 12°51 | 11°26 | 4°20 | 17° 3 | F 23 |
| S 24 | 16 37 4 | 10° 0'10 | 22°57 | 16°41 | 26°23 | 16°12 | 13°48 | 11° 8 | 24° 0 | 26°18 | 22° 4 | 12°42 | 11°23 | 4°27 | 17° 9 | S 24 |
| S 25 | 16 41 1 | 10°57'29 | 8♋ 7 | 18°49 | 27°36 | 15°54 | 13°42 | 11°16 | 24° 3 | 26°18 | 22° 5 | 12°34 | 11°20 | 4°34 | 17°14 | S 25 |
| M26 | 16 44 57 | 11°54'49 | 23° 8 | 20°55 | 28°50 | 15°35 | 13°36 | 11°24 | 24° 6 | 26°18 | 22° 6 | 12°26 | 11°17 | 4°40 | 17°19 | M26 |
| T 27 | 16 48 54 | 12°52'07 | 7♌51 | 23° 0 | 0♊ 3 | 15°16 | 13°30 | 11°32 | 24°10 | 26°18 | 22° 7 | 12°20 | 11°14 | 4°47 | 17°25 | T 27 |
| W28 | 16 52 50 | 13°49'24 | 22°10 | 25° 3 | 1°16 | 14°57 | 13°24 | 11°40 | 24°13 | 26°17 | 22° 8 | 12°16 | 11°11 | 4°54 | 17°31 | W28 |
| T 29 | 16 56 47 | 14°46'40 | 6♍ 4 | 27° 4 | 2°30 | 14°38 | 13°18 | 11°47 | 24°17 | 26°17 | 22° 9 | 12°14 | 11° 7 | 5° 1 | 17°36 | T 29 |
| F 30 | 17 0 43 | 15°43'55 | 19°33 | 29° 2 | 3°43 | 14°19 | 13°13 | 11°55 | 24°20 | 26°17 | 22°10 | 12°D14 | 11° 4 | 5° 7 | 17°42 | F 30 |
| S 31 | 17 4 40 | 16♊41'10 | 2♎39 | 0♋59 | 4♊56 | 14♐ 0 | 13♏ 7 | 12♊ 3 | 24♉23 | 26♒17 | 22♈10 | 12♈14 | 11♈ 1 | 5♑14 | 17♊47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n15 | 16n34 | 3n52 | 9n15 | 2s10 | 9n33 | 1s27 | 24s29 | 1s18 | 15s41 | 1n13 | 20n23 | 1s23 | 18n17 | 0s13 | 13s25 | 0s37 | 7s 0 | 16s39 | 5n30 | 5n 0 | 28s34 | 17n58 | 4s45 |
| F 2 | 17 31 | 10 48 | 2 57 | 9 59 | 2 2 | 10 0 | 1 26 | 24 33 | 1 21 | 15 39 | 1 12 | 20 24 | 1 23 | 18 18 | 0 13 | 13 24 | 0 37 | 6 59 | 16 39 | 5 30 | 4 59 | 28 34 | 17 59 | 4 45 |
| S 3 | 17 46 | 4 40 | 1 54 | 10 44 | 1 55 | 10 27 | 1 25 | 24 36 | 1 25 | 15 37 | 1 12 | 20 25 | 1 23 | 18 19 | 0 13 | 13 24 | 0 37 | 6 59 | 16 39 | 5 31 | 4 57 | 28 34 | 17 59 | 4 45 |
| S 4 | 18 2 | 1s32 | 0 45 | 11 29 | 1 46 | 10 53 | 1 24 | 24 39 | 1 29 | 15 35 | 1 12 | 20 27 | 1 23 | 18 20 | 0 13 | 13 24 | 0 37 | 6 59 | 16 39 | 5 31 | 4 56 | 28 34 | 18 0 | 4 45 |
| M 5 | 18 17 | 7 35 | 0s24 | 12 14 | 1 38 | 11 20 | 1 23 | 24 42 | 1 32 | 15 32 | 1 12 | 20 28 | 1 23 | 18 21 | 0 13 | 13 24 | 0 37 | 6 58 | 16 40 | 5 31 | 4 55 | 28 34 | 18 1 | 4 45 |
| T 6 | 18 32 | 13 14 | 1 31 | 12 59 | 1 29 | 11 46 | 1 21 | 24 45 | 1 36 | 15 30 | 1 12 | 20 29 | 1 23 | 18 22 | 0 13 | 13 24 | 0 37 | 6 58 | 16 40 | 5 31 | 4 54 | 28 34 | 18 1 | 4 45 |
| W 7 | 18 46 | 18 17 | 2 32 | 13 45 | 1 19 | 12 11 | 1 20 | 24 48 | 1 40 | 15 28 | 1 12 | 20 31 | 1 23 | 18 23 | 0 13 | 13 24 | 0 37 | 6 58 | 16 40 | 5 30 | 4 52 | 28 34 | 18 2 | 4 45 |
| T 8 | 19 1 | 22 31 | 3 26 | 14 31 | 1 10 | 12 37 | 1 18 | 24 52 | 1 43 | 15 26 | 1 12 | 20 32 | 1 22 | 18 23 | 0 13 | 13 23 | 0 37 | 6 58 | 16 40 | 5 28 | 4 51 | 28 34 | 18 2 | 4 45 |
| F 9 | 19 14 | 25 45 | 4 9 | 15 16 | 1 0 | 13 2 | 1 17 | 24 55 | 1 47 | 15 24 | 1 12 | 20 33 | 1 22 | 18 24 | 0 13 | 13 23 | 0 37 | 6 57 | 16 40 | 5 25 | 4 50 | 28 34 | 18 3 | 4 45 |
| S 10 | 19 28 | 27 47 | 4 41 | 16 2 | 0 50 | 13 27 | 1 15 | 24 58 | 1 51 | 15 22 | 1 11 | 20 34 | 1 22 | 18 25 | 0 13 | 13 23 | 0 37 | 6 57 | 16 40 | 5 22 | 4 49 | 28 34 | 18 3 | 4 45 |
| S 11 | 19 41 | 28 32 | 5 1 | 16 46 | 0 39 | 13 52 | 1 14 | 25 1 | 1 55 | 15 20 | 1 11 | 20 36 | 1 22 | 18 26 | 0 13 | 13 23 | 0 37 | 6 57 | 16 41 | 5 19 | 4 47 | 28 34 | 18 4 | 4 45 |
| M12 | 19 54 | 27 57 | 5 8 | 17 31 | 0 28 | 14 16 | 1 12 | 25 4 | 1 59 | 15 18 | 1 11 | 20 37 | 1 22 | 18 27 | 0 13 | 13 23 | 0 37 | 6 56 | 16 41 | 5 16 | 4 46 | 28 34 | 18 5 | 4 45 |
| T 13 | 20 7 | 26 6 | 5 1 | 18 14 | 0 18 | 14 40 | 1 10 | 25 6 | 2 3 | 15 16 | 1 11 | 20 38 | 1 22 | 18 28 | 0 13 | 13 23 | 0 37 | 6 56 | 16 41 | 5 13 | 4 45 | 28 34 | 18 5 | 4 45 |
| W14 | 20 19 | 23 5 | 4 41 | 18 56 | 0 7 | 15 3 | 1 9 | 25 9 | 2 6 | 15 14 | 1 11 | 20 39 | 1 22 | 18 29 | 0 13 | 13 23 | 0 37 | 6 56 | 16 41 | 5 11 | 4 44 | 28 34 | 18 6 | 4 45 |
| T 15 | 20 31 | 19 3 | 4 9 | 19 37 | 0n 4 | 15 27 | 1 7 | 25 12 | 2 10 | 15 12 | 1 11 | 20 41 | 1 22 | 18 30 | 0 13 | 13 23 | 0 37 | 6 56 | 16 41 | 5 10 | 4 42 | 28 34 | 18 6 | 4 44 |
| F 16 | 20 42 | 14 10 | 3 25 | 20 17 | 0 14 | 15 49 | 1 5 | 25 15 | 2 14 | 15 11 | 1 11 | 20 42 | 1 22 | 18 31 | 0 13 | 13 23 | 0 37 | 6 56 | 16 42 | 5 10 | 4 41 | 28 34 | 18 7 | 4 44 |
| S 17 | 20 54 | 8 37 | 2 30 | 20 55 | 0 25 | 16 12 | 1 3 | 25 17 | 2 18 | 15 9 | 1 10 | 20 43 | 1 22 | 18 31 | 0 13 | 13 23 | 0 37 | 6 55 | 16 42 | 5 10 | 4 40 | 28 34 | 18 7 | 4 44 |
| S 18 | 21 4 | 2 33 | 1 26 | 21 31 | 0 35 | 16 34 | 1 1 | 25 20 | 2 22 | 15 7 | 1 10 | 20 44 | 1 21 | 18 32 | 0 13 | 13 23 | 0 37 | 6 55 | 16 42 | 5 11 | 4 39 | 28 34 | 18 8 | 4 44 |
| M19 | 21 15 | 3n49 | 0 16 | 22 5 | 0 44 | 16 56 | 0 59 | 25 22 | 2 26 | 15 5 | 1 10 | 20 45 | 1 21 | 18 33 | 0 13 | 13 23 | 0 37 | 6 55 | 16 42 | 5 11 | 4 37 | 28 34 | 18 8 | 4 45 |
| T 20 | 21 25 | 10 13 | 0n58 | 22 36 | 0 54 | 17 17 | 0 57 | 25 24 | 2 30 | 15 3 | 1 10 | 20 47 | 1 21 | 18 34 | 0 13 | 13 23 | 0 37 | 6 55 | 16 42 | 5 11 | 4 36 | 28 34 | 18 9 | 4 45 |
| W21 | 21 35 | 16 20 | 2 10 | 23 6 | 1 3 | 17 38 | 0 55 | 25 26 | 2 34 | 15 1 | 1 10 | 20 48 | 1 21 | 18 35 | 0 13 | 13 23 | 0 37 | 6 55 | 16 43 | 5 10 | 4 35 | 28 34 | 18 9 | 4 45 |
| T 22 | 21 44 | 21 42 | 3 16 | 23 32 | 1 11 | 17 58 | 0 53 | 25 29 | 2 37 | 15 0 | 1 9 | 20 49 | 1 21 | 18 36 | 0 13 | 13 23 | 0 37 | 6 55 | 16 43 | 5 8 | 4 34 | 28 34 | 18 10 | 4 45 |
| F 23 | 21 53 | 25 48 | 4 10 | 23 56 | 1 19 | 18 18 | 0 51 | 25 31 | 2 41 | 14 58 | 1 9 | 20 50 | 1 21 | 18 37 | 0 13 | 13 23 | 0 37 | 6 54 | 16 43 | 5 5 | 4 32 | 28 33 | 18 10 | 4 45 |
| S 24 | 22 2 | 28 7 | 4 47 | 24 17 | 1 26 | 18 37 | 0 49 | 25 32 | 2 45 | 14 56 | 1 9 | 20 51 | 1 21 | 18 37 | 0 13 | 13 23 | 0 37 | 6 54 | 16 43 | 5 2 | 4 31 | 28 33 | 18 11 | 4 45 |
| S 25 | 22 10 | 28 19 | 5 4 | 24 36 | 1 33 | 18 56 | 0 47 | 25 34 | 2 49 | 14 55 | 1 9 | 20 52 | 1 21 | 18 38 | 0 13 | 13 23 | 0 37 | 6 54 | 16 44 | 4 59 | 4 30 | 28 33 | 18 11 | 4 45 |
| M26 | 22 18 | 26 27 | 4 59 | 24 52 | 1 39 | 19 15 | 0 45 | 25 36 | 2 52 | 14 53 | 1 9 | 20 54 | 1 21 | 18 39 | 0 13 | 13 23 | 0 37 | 6 54 | 16 44 | 4 56 | 4 29 | 28 33 | 18 12 | 4 45 |
| T 27 | 22 25 | 22 48 | 4 35 | 25 5 | 1 44 | 19 32 | 0 43 | 25 37 | 2 56 | 14 51 | 1 8 | 20 55 | 1 21 | 18 40 | 0 13 | 13 23 | 0 37 | 6 54 | 16 44 | 4 53 | 4 28 | 28 33 | 18 12 | 4 45 |
| W28 | 22 32 | 17 51 | 3 54 | 25 15 | 1 49 | 19 50 | 0 40 | 25 39 | 2 59 | 14 50 | 1 8 | 20 56 | 1 21 | 18 41 | 0 13 | 13 23 | 0 38 | 6 54 | 16 44 | 4 52 | 4 26 | 28 33 | 18 13 | 4 45 |
| T 29 | 22 39 | 12 7 | 3 0 | 25 22 | 1 53 | 20 7 | 0 38 | 25 40 | 3 3 | 14 48 | 1 8 | 20 57 | 1 21 | 18 42 | 0 13 | 13 23 | 0 38 | 6 54 | 16 45 | 4 51 | 4 25 | 28 33 | 18 13 | 4 45 |
| F 30 | 22 45 | 5 58 | 1 58 | 25 27 | 1 56 | 20 23 | 0 36 | 25 41 | 3 6 | 14 47 | 1 8 | 20 58 | 1 21 | 18 42 | 0 13 | 13 23 | 0 38 | 6 54 | 16 45 | 4 51 | 4 24 | 28 32 | 18 13 | 4 45 |
| S 31 | 22n51 | 0s17 | 0n51 | 25n29 | 1n58 | 20n39 | 0s33 | 25s42 | 3s10 | 14s46 | 1n 8 | 20n59 | 1s21 | 18n43 | 0s13 | 13s24 | 0s38 | 6s54 | 16s45 | 4n51 | 4n23 | 28s32 | 18n14 | 4s45 |

Julian Day Number = 2215726.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'03, Lahiri = 14°51'04 Julian Calendar 1 May 1354 == Greg. Calendar 9 May 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## JUNE 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 8 36 | 17♊38'23 | 15♎25 | 2♋54 | 6♊10 | 13°R41 | 13°R 2 | 12♊11 | 24♉26 | 26°R16 | 22♈11 | 12°R14 | 10♈58 | 5♑21 | 17♊53 | S 1 |
| M 2 | 17 12 33 | 18°35'36 | 27°56 | 4°46 | 7°23 | 13♐22 | 12♏57 | 12°19 | 24°30 | 26♒16 | 22°12 | 12♈13 | 10°55 | 5°28 | 17°58 | M 2 |
| T 3 | 17 16 30 | 19°32'48 | 10♏15 | 6°36 | 8°37 | 13° 3 | 12°52 | 12°27 | 24°33 | 26°16 | 22°13 | 12°10 | 10°52 | 5°34 | 18° 4 | T 3 |
| W 4 | 17 20 26 | 20°30'00 | 22°25 | 8°24 | 9°50 | 12°44 | 12°47 | 12°34 | 24°36 | 26°15 | 22°14 | 12° 4 | 10°48 | 5°41 | 18° 9 | W 4 |
| T 5 | 17 24 23 | 21°27'11 | 4♐27 | 10° 9 | 11° 3 | 12°25 | 12°43 | 12°42 | 24°40 | 26°15 | 22°15 | 11°55 | 10°45 | 5°48 | 18°15 | T 5 |
| F 6 | 17 28 19 | 22°24'22 | 16°25 | 11°53 | 12°17 | 12° 6 | 12°38 | 12°50 | 24°43 | 26°14 | 22°15 | 11°45 | 10°42 | 5°54 | 18°20 | F 6 |
| S 7 | 17 32 16 | 23°21'32 | 28°20 | 13°34 | 13°30 | 11°48 | 12°34 | 12°58 | 24°46 | 26°14 | 22°16 | 11°32 | 10°39 | 6° 1 | 18°26 | S 7 |
| S 8 | 17 36 12 | 24°18'43 | 10♑13 | 15°12 | 14°44 | 11°30 | 12°30 | 13° 5 | 24°49 | 26°13 | 22°17 | 11°19 | 10°36 | 6° 8 | 18°31 | S 8 |
| M 9 | 17 40 9 | 25°15'53 | 22° 6 | 16°48 | 15°57 | 11°12 | 12°26 | 13°13 | 24°52 | 26°13 | 22°18 | 11° 7 | 10°33 | 6°15 | 18°37 | M 9 |
| T 10 | 17 44 5 | 26°13'02 | 4♒ 0 | 18°22 | 17°11 | 10°55 | 12°22 | 13°21 | 24°55 | 26°12 | 22°18 | 10°56 | 10°29 | 6°21 | 18°42 | T 10 |
| W11 | 17 48 2 | 27°10'12 | 15°58 | 19°54 | 18°24 | 10°38 | 12°18 | 13°29 | 24°58 | 26°11 | 22°19 | 10°48 | 10°26 | 6°28 | 18°48 | W11 |
| T 12 | 17 51 59 | 28° 7'22 | 28° 2 | 21°23 | 19°38 | 10°22 | 12°15 | 13°36 | 25° 2 | 26°11 | 22°20 | 10°42 | 10°23 | 6°35 | 18°53 | T 12 |
| F 13 | 17 55 55 | 29° 4'32 | 10♓17 | 22°50 | 20°51 | 10° 6 | 12°12 | 13°44 | 25° 5 | 26°10 | 22°20 | 10°38 | 10°20 | 6°41 | 18°59 | F 13 |
| S 14 | 17 59 52 | 0♋ 1'42 | 22°47 | 24°15 | 22° 5 | 9°51 | 12° 8 | 13°52 | 25° 8 | 26° 9 | 22°21 | 10°37 | 10°17 | 6°48 | 19° 4 | S 14 |
| S 15 | 18 3 48 | 0°58'52 | 5♈36 | 25°37 | 23°18 | 9°36 | 12° 5 | 13°59 | 25°11 | 26° 9 | 22°22 | 10°37 | 10°13 | 6°55 | 19°10 | S 15 |
| M16 | 18 7 45 | 1°56'02 | 18°49 | 26°56 | 24°32 | 9°22 | 12° 3 | 14° 7 | 25°14 | 26° 8 | 22°22 | 10°37 | 10°10 | 7° 2 | 19°15 | M16 |
| T 17 | 18 11 41 | 2°53'13 | 2♉28 | 28°13 | 25°46 | 9° 8 | 12° 0 | 14°15 | 25°17 | 26° 7 | 22°23 | 10°36 | 10° 7 | 7° 8 | 19°21 | T 17 |
| W18 | 18 15 38 | 3°50'24 | 16°37 | 29°28 | 26°59 | 8°55 | 11°57 | 14°22 | 25°19 | 26° 6 | 22°23 | 10°32 | 10° 4 | 7°15 | 19°26 | W18 |
| T 19 | 18 19 34 | 4°47'36 | 1♊13 | 0♌39 | 28°13 | 8°43 | 11°55 | 14°30 | 25°22 | 26° 5 | 22°24 | 10°26 | 10° 1 | 7°22 | 19°31 | T 19 |
| F 20 | 18 23 31 | 5°44'48 | 16°12 | 1°49 | 29°26 | 8°31 | 11°53 | 14°37 | 25°25 | 26° 4 | 22°25 | 10°18 | 9°58 | 7°29 | 19°37 | F 20 |
| S 21 | 18 27 28 | 6°42'00 | 1♋27 | 2°55 | 0♋40 | 8°21 | 11°51 | 14°45 | 25°28 | 26° 4 | 22°25 | 10° 8 | 9°54 | 7°35 | 19°42 | S 21 |
| S 22 | 18 31 24 | 7°39'12 | 16°46 | 3°58 | 1°54 | 8°11 | 11°49 | 14°52 | 25°31 | 26° 3 | 22°26 | 9°57 | 9°51 | 7°42 | 19°48 | S 22 |
| M23 | 18 35 21 | 8°36'25 | 1♌59 | 4°59 | 3° 7 | 8° 1 | 11°48 | 15° 0 | 25°34 | 26° 2 | 22°26 | 9°47 | 9°48 | 7°49 | 19°53 | M23 |
| T 24 | 18 39 17 | 9°33'37 | 16°54 | 5°57 | 4°21 | 7°53 | 11°46 | 15° 7 | 25°36 | 26° 1 | 22°26 | 9°39 | 9°45 | 7°55 | 19°58 | T 24 |
| W25 | 18 43 14 | 10°30'50 | 1♍24 | 6°51 | 5°35 | 7°45 | 11°45 | 15°14 | 25°39 | 26° 0 | 22°27 | 9°33 | 9°42 | 8° 2 | 20° 4 | W25 |
| T 26 | 18 47 10 | 11°28'02 | 15°27 | 7°42 | 6°49 | 7°38 | 11°44 | 15°22 | 25°42 | 25°59 | 22°27 | 9°29 | 9°39 | 8° 9 | 20° 9 | T 26 |
| F 27 | 18 51 7 | 12°25'14 | 29° 0 | 8°30 | 8° 2 | 7°33 | 11°43 | 15°29 | 25°45 | 25°58 | 22°28 | 9°28 | 9°35 | 8°16 | 20°14 | F 27 |
| S 28 | 18 55 4 | 13°22'27 | 12♎ 7 | 9°14 | 9°16 | 7°27 | 11°43 | 15°36 | 25°47 | 25°57 | 22°28 | 9°28 | 9°32 | 8°22 | 20°19 | S 28 |
| S 29 | 18 59 0 | 14°19'40 | 24°52 | 9°54 | 10°30 | 7°23 | 11°42 | 15°44 | 25°50 | 25°55 | 22°28 | 9°28 | 9°29 | 8°29 | 20°25 | S 29 |
| M30 | 19 2 57 | 15♋16'52 | 7♏18 | 10♌31 | 11♋44 | 7♐20 | 11♏42 | 15♊51 | 25♉52 | 25♒54 | 22♈29 | 9♈26 | 9♈26 | 8♑36 | 20♊30 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 6s21 | 0s17 | 25n29 | 2n 0 | 20n54 | 0s31 | 25s43 | 3s13 | 14s44 | 1n 7 | 21n 0 | 1s20 | 18n44 | 0s13 | 13s24 | 0s38 | 6s54 | 16s45 | 4n51 | 4n21 | 28s32 | 18n14 | 4s45 |
| M 2 | 23 2 | 12 4 | 1 23 | 25 27 | 2 0 | 21 9 | 0 29 | 25 44 | 3 16 | 14 43 | 1 7 | 21 1 | 1 20 | 18 45 | 0 13 | 13 24 | 0 38 | 6 53 | 16 46 | 4 51 | 4 20 | 28 32 | 18 15 | 4 45 |
| T 3 | 23 7 | 17 12 | 2 23 | 25 22 | 2 0 | 21 23 | 0 26 | 25 45 | 3 20 | 14 42 | 1 7 | 21 2 | 1 20 | 18 46 | 0 13 | 13 24 | 0 38 | 6 53 | 16 46 | 4 50 | 4 19 | 28 32 | 18 15 | 4 45 |
| W 4 | 23 11 | 21 36 | 3 16 | 25 15 | 2 0 | 21 36 | 0 24 | 25 45 | 3 23 | 14 40 | 1 7 | 21 4 | 1 20 | 18 46 | 0 13 | 13 24 | 0 38 | 6 53 | 16 46 | 4 47 | 4 18 | 28 31 | 18 15 | 4 45 |
| T 5 | 23 15 | 25 2 | 4 0 | 25 6 | 1 59 | 21 49 | 0 22 | 25 46 | 3 26 | 14 39 | 1 7 | 21 5 | 1 20 | 18 47 | 0 13 | 13 24 | 0 38 | 6 53 | 16 47 | 4 44 | 4 16 | 28 31 | 18 16 | 4 46 |
| F 6 | 23 18 | 27 21 | 4 32 | 24 56 | 1 57 | 22 2 | 0 19 | 25 46 | 3 28 | 14 38 | 1 6 | 21 6 | 1 20 | 18 48 | 0 13 | 13 25 | 0 38 | 6 53 | 16 47 | 4 40 | 4 15 | 28 31 | 18 16 | 4 46 |
| S 7 | 23 21 | 28 24 | 4 53 | 24 43 | 1 54 | 22 13 | 0 17 | 25 46 | 3 31 | 14 37 | 1 6 | 21 7 | 1 20 | 18 49 | 0 13 | 13 25 | 0 38 | 6 53 | 16 47 | 4 35 | 4 14 | 28 31 | 18 16 | 4 46 |
| S 8 | 23 24 | 28 7 | 5 1 | 24 29 | 1 51 | 22 24 | 0 15 | 25 46 | 3 34 | 14 36 | 1 6 | 21 8 | 1 20 | 18 50 | 0 13 | 13 25 | 0 38 | 6 53 | 16 47 | 4 30 | 4 13 | 28 30 | 18 17 | 4 46 |
| M 9 | 23 26 | 26 34 | 4 55 | 24 14 | 1 47 | 22 35 | 0 12 | 25 47 | 3 37 | 14 35 | 1 6 | 21 9 | 1 20 | 18 50 | 0 13 | 13 25 | 0 38 | 6 53 | 16 48 | 4 25 | 4 11 | 28 30 | 18 17 | 4 46 |
| T 10 | 23 28 | 23 49 | 4 37 | 23 57 | 1 42 | 22 45 | 0 10 | 25 47 | 3 39 | 14 34 | 1 5 | 21 10 | 1 20 | 18 51 | 0 13 | 13 25 | 0 38 | 6 53 | 16 48 | 4 21 | 4 10 | 28 30 | 18 17 | 4 46 |
| W11 | 23 30 | 20 2 | 4 7 | 23 39 | 1 37 | 22 54 | 0 7 | 25 46 | 3 41 | 14 33 | 1 5 | 21 11 | 1 20 | 18 52 | 0 13 | 13 26 | 0 38 | 6 53 | 16 48 | 4 17 | 4 9 | 28 30 | 18 18 | 4 46 |
| T 12 | 23 31 | 15 24 | 3 25 | 23 19 | 1 31 | 23 2 | 0 5 | 25 46 | 3 44 | 14 32 | 1 5 | 21 12 | 1 20 | 18 53 | 0 13 | 13 26 | 0 38 | 6 53 | 16 49 | 4 15 | 4 8 | 28 29 | 18 18 | 4 46 |
| F 13 | 23 31 | 10 6 | 2 33 | 22 59 | 1 25 | 23 10 | 0 2 | 25 46 | 3 46 | 14 32 | 1 5 | 21 13 | 1 20 | 18 53 | 0 13 | 13 26 | 0 38 | 6 53 | 16 49 | 4 14 | 4 6 | 28 29 | 18 18 | 4 47 |
| S 14 | 23 32 | 4 18 | 1 33 | 22 37 | 1 18 | 23 17 | 0 0 | 25 46 | 3 48 | 14 31 | 1 4 | 21 14 | 1 20 | 18 54 | 0 13 | 13 26 | 0 38 | 6 54 | 16 49 | 4 13 | 4 5 | 28 29 | 18 19 | 4 47 |
| S 15 | 23 31 | 1n50 | 0 26 | 22 15 | 1 11 | 23 24 | 0n 2 | 25 46 | 3 50 | 14 30 | 1 4 | 21 14 | 1 20 | 18 55 | 0 13 | 13 27 | 0 38 | 6 54 | 16 49 | 4 13 | 4 4 | 28 28 | 18 19 | 4 47 |
| M16 | 23 31 | 8 4 | 0n43 | 21 52 | 1 3 | 23 29 | 0 5 | 25 45 | 3 52 | 14 30 | 1 4 | 21 15 | 1 20 | 18 56 | 0 13 | 13 27 | 0 38 | 6 54 | 16 50 | 4 13 | 4 3 | 28 28 | 18 19 | 4 47 |
| T 17 | 23 30 | 14 8 | 1 53 | 21 28 | 0 54 | 23 35 | 0 7 | 25 45 | 3 54 | 14 29 | 1 4 | 21 16 | 1 20 | 18 56 | 0 13 | 13 27 | 0 38 | 6 54 | 16 50 | 4 13 | 4 1 | 28 28 | 18 20 | 4 47 |
| W18 | 23 28 | 19 42 | 2 58 | 21 4 | 0 45 | 23 39 | 0 10 | 25 44 | 3 55 | 14 28 | 1 3 | 21 17 | 1 20 | 18 57 | 0 13 | 13 28 | 0 38 | 6 54 | 16 50 | 4 11 | 4 0 | 28 27 | 18 20 | 4 47 |
| T 19 | 23 26 | 24 17 | 3 53 | 20 40 | 0 36 | 23 43 | 0 12 | 25 44 | 3 57 | 14 28 | 1 3 | 21 18 | 1 20 | 18 58 | 0 13 | 13 28 | 0 38 | 6 54 | 16 51 | 4 9 | 3 59 | 28 27 | 18 20 | 4 47 |
| F 20 | 23 24 | 27 21 | 4 34 | 20 15 | 0 26 | 23 46 | 0 14 | 25 44 | 3 58 | 14 28 | 1 3 | 21 19 | 1 20 | 18 58 | 0 13 | 13 28 | 0 38 | 6 54 | 16 51 | 4 6 | 3 58 | 28 27 | 18 20 | 4 48 |
| S 21 | 23 21 | 28 28 | 4 57 | 19 49 | 0 15 | 23 48 | 0 17 | 25 43 | 4 0 | 14 27 | 1 3 | 21 20 | 1 20 | 18 59 | 0 13 | 13 29 | 0 38 | 6 54 | 16 51 | 4 2 | 3 56 | 28 26 | 18 20 | 4 48 |
| S 22 | 23 18 | 27 24 | 4 58 | 19 24 | 0 4 | 23 50 | 0 19 | 25 43 | 4 1 | 14 27 | 1 2 | 21 21 | 1 20 | 19 0 | 0 13 | 13 29 | 0 38 | 6 54 | 16 52 | 3 57 | 3 55 | 28 26 | 18 21 | 4 48 |
| M23 | 23 15 | 24 18 | 4 38 | 18 59 | 0s 7 | 23 51 | 0 21 | 25 42 | 4 2 | 14 27 | 1 2 | 21 22 | 1 20 | 19 0 | 0 13 | 13 29 | 0 38 | 6 54 | 16 52 | 3 53 | 3 54 | 28 26 | 18 21 | 4 48 |
| T 24 | 23 11 | 19 38 | 4 0 | 18 33 | 0 19 | 23 51 | 0 24 | 25 42 | 4 3 | 14 27 | 1 2 | 21 22 | 1 20 | 19 1 | 0 13 | 13 30 | 0 38 | 6 55 | 16 52 | 3 50 | 3 53 | 28 25 | 18 21 | 4 48 |
| W25 | 23 6 | 13 55 | 3 6 | 18 8 | 0 31 | 23 50 | 0 26 | 25 42 | 4 4 | 14 26 | 1 1 | 21 23 | 1 20 | 19 2 | 0 13 | 13 30 | 0 38 | 6 55 | 16 53 | 3 48 | 3 51 | 28 25 | 18 21 | 4 49 |
| T 26 | 23 2 | 7 39 | 2 3 | 17 43 | 0 43 | 23 49 | 0 28 | 25 42 | 4 5 | 14 26 | 1 1 | 21 24 | 1 20 | 19 2 | 0 13 | 13 30 | 0 38 | 6 55 | 16 53 | 3 46 | 3 50 | 28 24 | 18 21 | 4 49 |
| F 27 | 22 57 | 1 14 | 0 55 | 17 19 | 0 56 | 23 47 | 0 30 | 25 41 | 4 6 | 14 26 | 1 1 | 21 25 | 1 19 | 19 3 | 0 13 | 13 31 | 0 38 | 6 55 | 16 53 | 3 46 | 3 49 | 28 24 | 18 22 | 4 49 |
| S 28 | 22 51 | 5s 1 | 0s14 | 16 54 | 1 9 | 23 44 | 0 32 | 25 41 | 4 7 | 14 26 | 1 1 | 21 26 | 1 19 | 19 4 | 0 13 | 13 31 | 0 38 | 6 55 | 16 54 | 3 46 | 3 47 | 28 24 | 18 22 | 4 49 |
| S 29 | 22 45 | 10 54 | 1 20 | 16 31 | 1 22 | 23 41 | 0 35 | 25 41 | 4 7 | 14 26 | 1 0 | 21 26 | 1 19 | 19 4 | 0 13 | 13 32 | 0 38 | 6 55 | 16 54 | 3 46 | 3 46 | 28 23 | 18 22 | 4 50 |
| M30 | 22n39 | 16s13 | 2s21 | 16n 8 | 1s35 | 23n37 | 0n37 | 25s41 | 4s 8 | 14s27 | 1n 0 | 21n27 | 1s19 | 19n 5 | 0s13 | 13s32 | 0s38 | 6s56 | 16s54 | 3n45 | 3n45 | 28s23 | 18n22 | 4s50 |

Julian Day Number = 2215757.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'08, Lahiri = 14°51'08 Julian Calendar 1 June 1354 == Greg. Calendar 9 June 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## JULY 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 6 53 | 16♋14'05 | 19♏30 | 11♌ 3 | 12♋57 | 7°R17 | 11°D42 | 15♊58 | 25♉55 | 25°R53 | 22♈29 | 9°R23 | 9♈23 | 8♉43 | 20♊35 | T 1 |
| W 2 | 19 10 50 | 17°11'19 | 1♐33 | 11°32 | 14°11 | 7♐15 | 11♏42 | 16° 5 | 25°57 | 25♒52 | 22°29 | 9♈17 | 9°19 | 8°49 | 20°40 | W 2 |
| T 3 | 19 14 46 | 18° 8'33 | 13°30 | 11°56 | 15°25 | 7°14 | 11°42 | 16°12 | 26° 0 | 25°51 | 22°30 | 9° 8 | 9°16 | 8°56 | 20°45 | T 3 |
| F 4 | 19 18 43 | 19° 5'47 | 25°23 | 12°16 | 16°39 | 7°D14 | 11°42 | 16°19 | 26° 2 | 25°50 | 22°30 | 8°56 | 9°13 | 9° 3 | 20°50 | F 4 |
| S 5 | 19 22 39 | 20° 3'01 | 7♑16 | 12°31 | 17°53 | 7°15 | 11°43 | 16°26 | 26° 5 | 25°48 | 22°30 | 8°43 | 9°10 | 9° 9 | 20°55 | S 5 |
| S 6 | 19 26 36 | 21° 0'17 | 19° 9 | 12°41 | 19° 7 | 7°17 | 11°44 | 16°33 | 26° 7 | 25°47 | 22°30 | 8°30 | 9° 7 | 9°16 | 21° 1 | S 6 |
| M 7 | 19 30 33 | 21°57'32 | 1♒ 4 | 12°47 | 20°20 | 7°19 | 11°45 | 16°40 | 26° 9 | 25°46 | 22°30 | 8°17 | 9° 4 | 9°23 | 21° 6 | M 7 |
| T 8 | 19 34 29 | 22°54'49 | 13° 3 | 12°R48 | 21°34 | 7°22 | 11°46 | 16°47 | 26°12 | 25°44 | 22°31 | 8° 6 | 9° 0 | 9°30 | 21°11 | T 8 |
| W 9 | 19 38 26 | 23°52'06 | 25° 7 | 12°43 | 22°48 | 7°26 | 11°47 | 16°54 | 26°14 | 25°43 | 22°31 | 7°57 | 8°57 | 9°36 | 21°16 | W 9 |
| T 10 | 19 42 22 | 24°49'24 | 7♓18 | 12°34 | 24° 2 | 7°31 | 11°49 | 17° 1 | 26°16 | 25°42 | 22°31 | 7°51 | 8°54 | 9°43 | 21°20 | T 10 |
| F 11 | 19 46 19 | 25°46'43 | 19°39 | 12°19 | 25°16 | 7°37 | 11°50 | 17° 8 | 26°18 | 25°40 | 22°31 | 7°47 | 8°51 | 9°50 | 21°25 | F 11 |
| S 12 | 19 50 15 | 26°44'03 | 2♈13 | 12° 0 | 26°30 | 7°43 | 11°52 | 17°14 | 26°20 | 25°39 | 22°31 | 7°D46 | 8°48 | 9°57 | 21°30 | S 12 |
| S 13 | 19 54 12 | 27°41'25 | 15° 3 | 11°35 | 27°44 | 7°51 | 11°54 | 17°21 | 26°22 | 25°38 | 22°31 | 7°46 | 8°44 | 10° 3 | 21°35 | S 13 |
| M14 | 19 58 8 | 28°38'47 | 28°13 | 11° 6 | 28°58 | 7°59 | 11°57 | 17°27 | 26°24 | 25°36 | 22°31 | 7°R46 | 8°41 | 10°10 | 21°40 | M14 |
| T 15 | 20 2 5 | 29°36'10 | 11♉46 | 10°33 | 0♌12 | 8° 7 | 11°59 | 17°34 | 26°26 | 25°35 | 22°R31 | 7°45 | 8°38 | 10°17 | 21°45 | T 15 |
| W16 | 20 6 2 | 0♌33'35 | 25°46 | 9°56 | 1°26 | 8°17 | 12° 1 | 17°40 | 26°28 | 25°33 | 22°31 | 7°43 | 8°35 | 10°23 | 21°49 | W16 |
| T 17 | 20 9 58 | 1°31'01 | 10♊10 | 9°16 | 2°40 | 8°27 | 12° 4 | 17°47 | 26°30 | 25°32 | 22°31 | 7°38 | 8°32 | 10°30 | 21°54 | T 17 |
| F 18 | 20 13 55 | 2°28'29 | 24°58 | 8°32 | 3°54 | 8°38 | 12° 7 | 17°53 | 26°32 | 25°31 | 22°31 | 7°31 | 8°29 | 10°37 | 21°59 | F 18 |
| S 19 | 20 17 51 | 3°25'57 | 10♋ 2 | 7°47 | 5° 8 | 8°50 | 12°10 | 18° 0 | 26°34 | 25°29 | 22°31 | 7°23 | 8°25 | 10°44 | 22° 3 | S 19 |
| S 20 | 20 21 48 | 4°23'27 | 25°14 | 7° 0 | 6°22 | 9° 3 | 12°14 | 18° 6 | 26°36 | 25°28 | 22°31 | 7°14 | 8°22 | 10°50 | 22° 8 | S 20 |
| M21 | 20 25 44 | 5°20'58 | 10♌23 | 6°13 | 7°37 | 9°16 | 12°17 | 18°12 | 26°38 | 25°26 | 22°31 | 7° 5 | 8°19 | 10°57 | 22°12 | M21 |
| T 22 | 20 29 41 | 6°18'30 | 25°19 | 5°26 | 8°51 | 9°30 | 12°21 | 18°18 | 26°39 | 25°25 | 22°31 | 6°58 | 8°16 | 11° 4 | 22°17 | T 22 |
| W23 | 20 33 37 | 7°16'03 | 9♍54 | 4°40 | 10° 5 | 9°44 | 12°24 | 18°24 | 26°41 | 25°23 | 22°30 | 6°52 | 8°13 | 11°10 | 22°21 | W23 |
| T 24 | 20 37 34 | 8°13'36 | 24° 2 | 3°56 | 11°19 | 10° 0 | 12°28 | 18°30 | 26°43 | 25°21 | 22°30 | 6°50 | 8°10 | 11°17 | 22°26 | T 24 |
| F 25 | 20 41 31 | 9°11'11 | 7♎41 | 3°15 | 12°33 | 10°16 | 12°32 | 18°36 | 26°44 | 25°20 | 22°30 | 6°D49 | 8° 6 | 11°24 | 22°30 | F 25 |
| S 26 | 20 45 27 | 10° 8'47 | 20°53 | 2°38 | 13°47 | 10°32 | 12°37 | 18°42 | 26°46 | 25°18 | 22°30 | 6°50 | 8° 3 | 11°31 | 22°34 | S 26 |
| S 27 | 20 49 24 | 11° 6'23 | 3♏41 | 2° 6 | 15° 1 | 10°49 | 12°41 | 18°48 | 26°47 | 25°17 | 22°30 | 6°50 | 8° 0 | 11°37 | 22°39 | S 27 |
| M28 | 20 53 20 | 12° 4'01 | 16° 8 | 1°39 | 16°16 | 11° 7 | 12°46 | 18°54 | 26°49 | 25°15 | 22°29 | 6°R51 | 7°57 | 11°44 | 22°43 | M28 |
| T 29 | 20 57 17 | 13° 1'40 | 28°20 | 1°18 | 17°30 | 11°26 | 12°50 | 19° 0 | 26°50 | 25°14 | 22°29 | 6°49 | 7°54 | 11°51 | 22°47 | T 29 |
| W30 | 21 1 13 | 13°59'19 | 10♐21 | 1° 3 | 18°44 | 11°45 | 12°55 | 19° 5 | 26°51 | 25°12 | 22°29 | 6°46 | 7°50 | 11°58 | 22°51 | W30 |
| T 31 | 21 5 10 | 14♌57'00 | 22♐16 | 0♌55 | 19♌58 | 12♐ 5 | 13♏ 0 | 19♊11 | 26♉53 | 25♒10 | 22♈28 | 6♈40 | 7♈47 | 12♉ 4 | 22♊55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n32 | 20s47 | 3s15 | 15n46 | 1s49 | 23n32 | 0n39 | 25s41 | 4s 8 | 14s27 | 1n 0 | 21n28 | 1s19 | 19n 5 | 0s13 | 13s32 | 0s38 | 6s56 | 16s55 | 3n44 | 3n44 | 28s22 | 18n22 | 4s50 |
| W 2 | 22 25 | 24 26 | 3 58 | 15 25 | 2 3 | 23 27 | 0 41 | 25 41 | 4 9 | 14 27 | 1 0 | 21 29 | 1 19 | 19 6 | 0 13 | 13 33 | 0 39 | 6 56 | 16 55 | 3 41 | 3 42 | 28 22 | 18 22 | 4 50 |
| T 3 | 22 17 | 26 59 | 4 31 | 15 5 | 2 16 | 23 21 | 0 43 | 25 41 | 4 9 | 14 27 | 0 59 | 21 29 | 1 19 | 19 7 | 0 13 | 13 33 | 0 39 | 6 56 | 16 55 | 3 38 | 3 41 | 28 21 | 18 22 | 4 51 |
| F 4 | 22 10 | 28 18 | 4 52 | 14 47 | 2 30 | 23 14 | 0 45 | 25 41 | 4 9 | 14 28 | 0 59 | 21 30 | 1 19 | 19 7 | 0 13 | 13 34 | 0 39 | 6 56 | 16 56 | 3 33 | 3 40 | 28 21 | 18 22 | 4 51 |
| S 5 | 22 1 | 28 19 | 5 0 | 14 29 | 2 44 | 23 6 | 0 47 | 25 42 | 4 9 | 14 28 | 0 59 | 21 31 | 1 19 | 19 8 | 0 13 | 13 34 | 0 39 | 6 57 | 16 56 | 3 28 | 3 39 | 28 20 | 18 22 | 4 51 |
| S 6 | 21 53 | 27 1 | 4 55 | 14 13 | 2 58 | 22 58 | 0 49 | 25 42 | 4 9 | 14 29 | 0 59 | 21 32 | 1 19 | 19 8 | 0 13 | 13 35 | 0 39 | 6 57 | 16 56 | 3 23 | 3 37 | 28 20 | 18 23 | 4 51 |
| M 7 | 21 44 | 24 30 | 4 37 | 13 59 | 3 11 | 22 49 | 0 51 | 25 43 | 4 10 | 14 29 | 0 58 | 21 32 | 1 19 | 19 9 | 0 13 | 13 35 | 0 39 | 6 57 | 16 57 | 3 18 | 3 36 | 28 19 | 18 23 | 4 52 |
| T 8 | 21 34 | 20 54 | 4 7 | 13 46 | 3 24 | 22 40 | 0 53 | 25 43 | 4 9 | 14 30 | 0 58 | 21 33 | 1 19 | 19 9 | 0 13 | 13 35 | 0 39 | 6 57 | 16 57 | 3 13 | 3 35 | 28 19 | 18 23 | 4 52 |
| W 9 | 21 25 | 16 25 | 3 25 | 13 35 | 3 37 | 22 29 | 0 55 | 25 44 | 4 9 | 14 31 | 0 58 | 21 34 | 1 19 | 19 10 | 0 13 | 13 36 | 0 39 | 6 58 | 16 57 | 3 10 | 3 34 | 28 18 | 18 23 | 4 52 |
| T 10 | 21 14 | 11 14 | 2 34 | 13 26 | 3 49 | 22 18 | 0 56 | 25 44 | 4 9 | 14 31 | 0 58 | 21 34 | 1 19 | 19 10 | 0 13 | 13 36 | 0 39 | 6 58 | 16 58 | 3 7 | 3 32 | 28 18 | 18 23 | 4 52 |
| F 11 | 21 4 | 5 34 | 1 35 | 13 19 | 4 1 | 22 7 | 0 58 | 25 45 | 4 9 | 14 32 | 0 57 | 21 35 | 1 19 | 19 11 | 0 13 | 13 37 | 0 39 | 6 58 | 16 58 | 3 6 | 3 31 | 28 17 | 18 23 | 4 53 |
| S 12 | 20 53 | 0n26 | 0 29 | 13 14 | 4 11 | 21 55 | 1 0 | 25 46 | 4 9 | 14 33 | 0 57 | 21 36 | 1 19 | 19 11 | 0 13 | 13 37 | 0 39 | 6 59 | 16 58 | 3 5 | 3 30 | 28 17 | 18 23 | 4 53 |
| S 13 | 20 42 | 6 32 | 0n39 | 13 11 | 4 21 | 21 42 | 1 2 | 25 47 | 4 8 | 14 34 | 0 57 | 21 36 | 1 19 | 19 12 | 0 13 | 13 38 | 0 39 | 6 59 | 16 59 | 3 5 | 3 29 | 28 16 | 18 23 | 4 53 |
| M14 | 20 30 | 12 32 | 1 46 | 13 11 | 4 30 | 21 28 | 1 3 | 25 48 | 4 8 | 14 35 | 0 57 | 21 37 | 1 19 | 19 12 | 0 13 | 13 38 | 0 39 | 6 59 | 16 59 | 3 5 | 3 27 | 28 16 | 18 23 | 4 54 |
| T 15 | 20 18 | 18 7 | 2 50 | 13 12 | 4 37 | 21 14 | 1 5 | 25 49 | 4 8 | 14 36 | 0 56 | 21 37 | 1 20 | 19 13 | 0 13 | 13 39 | 0 39 | 6 59 | 16 59 | 3 5 | 3 26 | 28 15 | 18 23 | 4 54 |
| W16 | 20 6 | 22 55 | 3 46 | 13 16 | 4 43 | 20 59 | 1 6 | 25 50 | 4 7 | 14 37 | 0 56 | 21 38 | 1 20 | 19 13 | 0 13 | 13 39 | 0 39 | 7 0 | 17 0 | 3 4 | 3 25 | 28 15 | 18 23 | 4 54 |
| T 17 | 19 54 | 26 30 | 4 29 | 13 22 | 4 48 | 20 44 | 1 8 | 25 51 | 4 7 | 14 38 | 0 56 | 21 38 | 1 20 | 19 14 | 0 13 | 13 40 | 0 39 | 7 0 | 17 0 | 3 3 | 3 24 | 28 14 | 18 23 | 4 55 |
| F 18 | 19 41 | 28 21 | 4 56 | 13 31 | 4 51 | 20 28 | 1 9 | 25 52 | 4 6 | 14 39 | 0 55 | 21 39 | 1 20 | 19 14 | 0 13 | 13 40 | 0 39 | 7 0 | 17 0 | 3 0 | 3 22 | 28 13 | 18 23 | 4 55 |
| S 19 | 19 27 | 28 11 | 5 3 | 13 41 | 4 52 | 20 11 | 1 10 | 25 54 | 4 6 | 14 40 | 0 55 | 21 40 | 1 20 | 19 15 | 0 13 | 13 41 | 0 39 | 7 1 | 17 1 | 2 56 | 3 21 | 28 13 | 18 22 | 4 55 |
| S 20 | 19 14 | 25 53 | 4 48 | 13 53 | 4 51 | 19 54 | 1 12 | 25 55 | 4 5 | 14 41 | 0 55 | 21 40 | 1 20 | 19 15 | 0 13 | 13 41 | 0 39 | 7 1 | 17 1 | 2 53 | 3 20 | 28 12 | 18 22 | 4 56 |
| M21 | 19 0 | 21 46 | 4 14 | 14 7 | 4 49 | 19 37 | 1 13 | 25 56 | 4 4 | 14 43 | 0 55 | 21 41 | 1 20 | 19 15 | 0 13 | 13 42 | 0 39 | 7 1 | 17 1 | 2 49 | 3 19 | 28 12 | 18 22 | 4 56 |
| T 22 | 18 46 | 16 18 | 3 22 | 14 22 | 4 45 | 19 18 | 1 14 | 25 58 | 4 4 | 14 44 | 0 54 | 21 41 | 1 20 | 19 16 | 0 13 | 13 43 | 0 39 | 7 2 | 17 2 | 2 46 | 3 17 | 28 11 | 18 22 | 4 56 |
| W23 | 18 31 | 10 1 | 2 19 | 14 39 | 4 39 | 19 0 | 1 15 | 25 59 | 4 3 | 14 45 | 0 54 | 21 42 | 1 20 | 19 16 | 0 13 | 13 43 | 0 39 | 7 2 | 17 2 | 2 44 | 3 16 | 28 10 | 18 22 | 4 57 |
| T 24 | 18 16 | 3 25 | 1 8 | 14 57 | 4 31 | 18 40 | 1 16 | 26 1 | 4 2 | 14 47 | 0 54 | 21 42 | 1 20 | 19 17 | 0 13 | 13 44 | 0 39 | 7 3 | 17 2 | 2 43 | 3 15 | 28 10 | 18 22 | 4 57 |
| F 25 | 18 1 | 3s 8 | 0s 5 | 15 15 | 4 22 | 18 20 | 1 17 | 26 3 | 4 1 | 14 48 | 0 54 | 21 43 | 1 20 | 19 17 | 0 13 | 13 44 | 0 39 | 7 3 | 17 3 | 2 43 | 3 14 | 28 9 | 18 22 | 4 57 |
| S 26 | 17 46 | 9 20 | 1 15 | 15 34 | 4 11 | 18 0 | 1 18 | 26 4 | 4 0 | 14 50 | 0 53 | 21 43 | 1 20 | 19 17 | 0 13 | 13 45 | 0 39 | 7 3 | 17 3 | 2 43 | 3 12 | 28 8 | 18 22 | 4 58 |
| S 27 | 17 30 | 14 58 | 2 19 | 15 54 | 3 58 | 17 39 | 1 19 | 26 6 | 3 59 | 14 51 | 0 53 | 21 44 | 1 20 | 19 18 | 0 13 | 13 45 | 0 39 | 7 4 | 17 3 | 2 44 | 3 11 | 28 8 | 18 22 | 4 58 |
| M28 | 17 14 | 19 50 | 3 15 | 16 13 | 3 44 | 17 18 | 1 20 | 26 8 | 3 59 | 14 53 | 0 53 | 21 44 | 1 20 | 19 18 | 0 13 | 13 46 | 0 39 | 7 4 | 17 4 | 2 44 | 3 10 | 28 7 | 18 21 | 4 58 |
| T 29 | 16 58 | 23 46 | 4 0 | 16 32 | 3 30 | 16 56 | 1 21 | 26 9 | 3 58 | 14 55 | 0 53 | 21 44 | 1 20 | 19 18 | 0 13 | 13 46 | 0 39 | 7 5 | 17 4 | 2 43 | 3 9 | 28 6 | 18 21 | 4 59 |
| W30 | 16 41 | 26 36 | 4 35 | 16 51 | 3 14 | 16 33 | 1 22 | 26 11 | 3 57 | 14 56 | 0 53 | 21 45 | 1 20 | 19 19 | 0 13 | 13 47 | 0 39 | 7 5 | 17 4 | 2 42 | 3 7 | 28 6 | 18 21 | 4 59 |
| T 31 | 16n25 | 28s14 | 4s57 | 17n 8 | 2s57 | 16n11 | 1n22 | 26s13 | 3s56 | 14s58 | 0n52 | 21n45 | 1s20 | 19n19 | 0s13 | 13s47 | 0s39 | 7s 5 | 17s 5 | 2n39 | 3n 6 | 28s 5 | 18n21 | 5s 0 |

Julian Day Number = 2215787.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'12, Lahiri = 14°51'12 Julian Calendar 1 July 1354 == Greg. Calendar 9 July 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## AUGUST 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 9 6 | 15♌54'42 | 4♉ 8 | 0°D54 | 21♌12 | 12♐25 | 13♏ 6 | 19♊16 | 26♉54 | 25°R 9 | 22°R28 | 6°R33 | 7♈44 | 12♉11 | 22♊59 | F 1 |
| S 2 | 21 13 3 | 16°52'26 | 16° 1 | 1♌ 1 | 22°27 | 12°46 | 13°11 | 19°22 | 26°55 | 25♒ 7 | 22♈28 | 6♈24 | 7°41 | 12°18 | 23° 3 | S 2 |
| S 3 | 21 17 0 | 17°50'10 | 27°57 | 1°15 | 23°41 | 13° 7 | 13°17 | 19°27 | 26°56 | 25° 6 | 22°27 | 6°15 | 7°38 | 12°24 | 23° 7 | S 3 |
| M 4 | 21 20 56 | 18°47'56 | 9♒58 | 1°37 | 24°55 | 13°29 | 13°22 | 19°32 | 26°57 | 25° 4 | 22°27 | 6° 6 | 7°35 | 12°31 | 23°11 | M 4 |
| T 5 | 21 24 53 | 19°45'44 | 22° 5 | 2° 7 | 26°10 | 13°52 | 13°28 | 19°37 | 26°58 | 25° 2 | 22°27 | 5°58 | 7°31 | 12°38 | 23°15 | T 5 |
| W 6 | 21 28 49 | 20°43'32 | 4♓20 | 2°44 | 27°24 | 14°14 | 13°34 | 19°43 | 26°59 | 25° 1 | 22°26 | 5°53 | 7°28 | 12°45 | 23°18 | W 6 |
| T 7 | 21 32 46 | 21°41'23 | 16°44 | 3°28 | 28°38 | 14°38 | 13°40 | 19°48 | 27° 0 | 24°59 | 22°26 | 5°49 | 7°25 | 12°51 | 23°22 | T 7 |
| F 8 | 21 36 42 | 22°39'14 | 29°18 | 4°20 | 29°52 | 15° 2 | 13°46 | 19°53 | 27° 1 | 24°57 | 22°25 | 5°47 | 7°22 | 12°58 | 23°26 | F 8 |
| S 9 | 21 40 39 | 23°37'08 | 12♈ 4 | 5°19 | 1♍ 7 | 15°26 | 13°53 | 19°57 | 27° 2 | 24°56 | 22°25 | 5°D47 | 7°19 | 13° 5 | 23°29 | S 9 |
| S 10 | 21 44 35 | 24°35'03 | 25° 4 | 6°25 | 2°21 | 15°51 | 13°59 | 20° 2 | 27° 3 | 24°54 | 22°24 | 5°48 | 7°16 | 13°12 | 23°33 | S 10 |
| M11 | 21 48 32 | 25°33'01 | 8♉20 | 7°37 | 3°35 | 16°17 | 14° 6 | 20° 7 | 27° 4 | 24°52 | 22°24 | 5°49 | 7°12 | 13°18 | 23°36 | M11 |
| T 12 | 21 52 29 | 26°31'00 | 21°54 | 8°55 | 4°50 | 16°42 | 14°13 | 20°12 | 27° 4 | 24°51 | 22°23 | 5°R50 | 7° 9 | 13°25 | 23°39 | T 12 |
| W13 | 21 56 25 | 27°29'01 | 5♊47 | 10°19 | 6° 4 | 17° 9 | 14°20 | 20°16 | 27° 5 | 24°49 | 22°23 | 5°50 | 7° 6 | 13°32 | 23°43 | W13 |
| T 14 | 22 0 22 | 28°27'05 | 20° 0 | 11°47 | 7°18 | 17°35 | 14°27 | 20°21 | 27° 6 | 24°47 | 22°22 | 5°48 | 7° 3 | 13°38 | 23°46 | T 14 |
| F 15 | 22 4 18 | 29°25'10 | 4♋30 | 13°21 | 8°33 | 18° 2 | 14°34 | 20°25 | 27° 6 | 24°46 | 22°21 | 5°45 | 7° 0 | 13°45 | 23°49 | F 15 |
| S 16 | 22 8 15 | 0♍23'17 | 19°14 | 14°58 | 9°47 | 18°30 | 14°42 | 20°29 | 27° 7 | 24°44 | 22°21 | 5°41 | 6°56 | 13°52 | 23°52 | S 16 |
| S 17 | 22 12 11 | 1°21'27 | 4♌ 5 | 16°40 | 11° 2 | 18°58 | 14°49 | 20°34 | 27° 7 | 24°43 | 22°20 | 5°36 | 6°53 | 13°59 | 23°56 | S 17 |
| M18 | 22 16 8 | 2°19'38 | 18°55 | 18°24 | 12°16 | 19°26 | 14°57 | 20°38 | 27° 8 | 24°41 | 22°19 | 5°31 | 6°50 | 14° 5 | 23°59 | M18 |
| T 19 | 22 20 4 | 3°17'51 | 3♍37 | 20°11 | 13°30 | 19°55 | 15° 5 | 20°42 | 27° 8 | 24°39 | 22°19 | 5°27 | 6°47 | 14°12 | 24° 1 | T 19 |
| W20 | 22 24 1 | 4°16'05 | 18° 3 | 22° 0 | 14°45 | 20°24 | 15°13 | 20°46 | 27° 8 | 24°38 | 22°18 | 5°24 | 6°44 | 14°19 | 24° 4 | W20 |
| T 21 | 22 27 58 | 5°14'21 | 2♎ 8 | 23°51 | 15°59 | 20°54 | 15°21 | 20°50 | 27° 8 | 24°36 | 22°17 | 5°D23 | 6°41 | 14°25 | 24° 7 | T 21 |
| F 22 | 22 31 54 | 6°12'39 | 15°47 | 25°44 | 17°14 | 21°24 | 15°29 | 20°53 | 27° 9 | 24°34 | 22°17 | 5°23 | 6°37 | 14°32 | 24°10 | F 22 |
| S 23 | 22 35 51 | 7°10'59 | 29° 2 | 27°37 | 18°28 | 21°54 | 15°37 | 20°57 | 27° 9 | 24°33 | 22°16 | 5°25 | 6°34 | 14°39 | 24°13 | S 23 |
| S 24 | 22 39 47 | 8° 9'20 | 11♏54 | 29°31 | 19°42 | 22°25 | 15°46 | 21° 1 | 27° 9 | 24°31 | 22°15 | 5°26 | 6°31 | 14°46 | 24°15 | S 24 |
| M25 | 22 43 44 | 9° 7'43 | 24°25 | 1♐25 | 20°57 | 22°56 | 15°54 | 21° 4 | 27°R 9 | 24°30 | 22°14 | 5°28 | 6°28 | 14°52 | 24°18 | M25 |
| T 26 | 22 47 40 | 10° 6'08 | 6♐39 | 3°20 | 22°11 | 23°27 | 16° 3 | 21° 8 | 27° 9 | 24°28 | 22°14 | 5°R29 | 6°25 | 14°59 | 24°20 | T 26 |
| W27 | 22 51 37 | 11° 4'34 | 18°42 | 5°14 | 23°26 | 23°59 | 16°12 | 21°11 | 27° 9 | 24°27 | 22°13 | 5°28 | 6°22 | 15° 6 | 24°23 | W27 |
| T 28 | 22 55 33 | 12° 3'02 | 0♑37 | 7° 8 | 24°40 | 24°31 | 16°21 | 21°14 | 27° 9 | 24°25 | 22°12 | 5°27 | 6°18 | 15°13 | 24°25 | T 28 |
| F 29 | 22 59 30 | 13° 1'31 | 12°30 | 9° 2 | 25°55 | 25° 3 | 16°30 | 21°17 | 27° 9 | 24°23 | 22°11 | 5°25 | 6°15 | 15°19 | 24°27 | F 29 |
| S 30 | 23 3 27 | 14° 0'02 | 24°24 | 10°55 | 27° 9 | 25°36 | 16°39 | 21°20 | 27° 8 | 24°22 | 22°10 | 5°22 | 6°12 | 15°26 | 24°29 | S 30 |
| S 31 | 23 7 23 | 14♍58'35 | 6♒23 | 12♍47 | 28♍23 | 26♐ 9 | 16♏48 | 21♊23 | 27♉ 8 | 24♒20 | 22♈ 9 | 5♈19 | 6♈ 9 | 15♉33 | 24♊31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n 7 | 28s33 | 5s 6 | 17n25 | 2s41 | 15n47 | 1n23 | 26s15 | 3s55 | 15s 0 | 0n52 | 21n46 | 1s20 | 19n19 | 0s13 | 13s48 | 0s39 | 7s 6 | 17s 5 | 2n37 | 3n 5 | 28s 4 | 18n21 | 5s 0 |
| S 2 | 15 50 | 27 33 | 5 2 | 17 40 | 2 23 | 15 24 | 1 24 | 26 16 | 3 54 | 15 2 | 0 52 | 21 46 | 1 20 | 19 19 | 0 13 | 13 49 | 0 39 | 7 6 | 17 5 | 2 33 | 3 4 | 28 4 | 18 21 | 5 0 |
| S 3 | 15 32 | 25 18 | 4 45 | 17 54 | 2 6 | 15 0 | 1 24 | 26 18 | 3 53 | 15 4 | 0 52 | 21 46 | 1 20 | 19 20 | 0 13 | 13 49 | 0 39 | 7 7 | 17 6 | 2 29 | 3 2 | 28 3 | 18 20 | 5 1 |
| M 4 | 15 15 | 21 54 | 4 15 | 18 7 | 1 48 | 14 35 | 1 24 | 26 20 | 3 52 | 15 6 | 0 51 | 21 47 | 1 20 | 19 20 | 0 13 | 13 50 | 0 39 | 7 7 | 17 6 | 2 26 | 3 1 | 28 2 | 18 20 | 5 1 |
| T 5 | 14 57 | 17 33 | 3 33 | 18 17 | 1 31 | 14 10 | 1 25 | 26 22 | 3 51 | 15 8 | 0 51 | 21 47 | 1 20 | 19 20 | 0 13 | 13 50 | 0 39 | 7 7 | 17 6 | 2 23 | 3 0 | 28 1 | 18 20 | 5 2 |
| W 6 | 14 38 | 12 27 | 2 41 | 18 26 | 1 13 | 13 45 | 1 25 | 26 23 | 3 49 | 15 10 | 0 51 | 21 48 | 1 20 | 19 20 | 0 13 | 13 51 | 0 39 | 7 8 | 17 7 | 2 20 | 2 58 | 28 1 | 18 20 | 5 2 |
| T 7 | 14 20 | 6 48 | 1 41 | 18 32 | 0 57 | 13 19 | 1 25 | 26 25 | 3 48 | 15 12 | 0 51 | 21 48 | 1 20 | 19 21 | 0 13 | 13 51 | 0 39 | 7 8 | 17 7 | 2 19 | 2 57 | 28 0 | 18 19 | 5 2 |
| F 8 | 14 1 | 0 49 | 0 35 | 18 36 | 0 40 | 12 53 | 1 25 | 26 27 | 3 47 | 15 14 | 0 50 | 21 48 | 1 20 | 19 21 | 0 13 | 13 52 | 0 39 | 7 9 | 17 7 | 2 18 | 2 56 | 27 59 | 18 19 | 5 3 |
| S 9 | 13 42 | 5n19 | 0n34 | 18 37 | 0 24 | 12 27 | 1 26 | 26 28 | 3 46 | 15 16 | 0 50 | 21 49 | 1 20 | 19 21 | 0 13 | 13 53 | 0 39 | 7 9 | 17 7 | 2 18 | 2 55 | 27 58 | 18 19 | 5 3 |
| S 10 | 13 22 | 11 20 | 1 43 | 18 35 | 0 9 | 12 0 | 1 26 | 26 30 | 3 45 | 15 18 | 0 50 | 21 49 | 1 20 | 19 21 | 0 13 | 13 53 | 0 39 | 7 10 | 17 8 | 2 19 | 2 53 | 27 58 | 18 19 | 5 4 |
| M11 | 13 3 | 16 58 | 2 47 | 18 31 | 0n 5 | 11 33 | 1 26 | 26 31 | 3 44 | 15 20 | 0 50 | 21 49 | 1 20 | 19 21 | 0 13 | 13 54 | 0 39 | 7 10 | 17 8 | 2 19 | 2 52 | 27 57 | 18 18 | 5 4 |
| T 12 | 12 43 | 21 55 | 3 44 | 18 24 | 0 19 | 11 6 | 1 25 | 26 33 | 3 42 | 15 22 | 0 49 | 21 49 | 1 20 | 19 22 | 0 13 | 13 54 | 0 39 | 7 11 | 17 8 | 2 20 | 2 51 | 27 56 | 18 18 | 5 5 |
| W13 | 12 23 | 25 46 | 4 29 | 18 14 | 0 31 | 10 38 | 1 25 | 26 34 | 3 41 | 15 25 | 0 49 | 21 50 | 1 21 | 19 22 | 0 13 | 13 55 | 0 39 | 7 11 | 17 9 | 2 20 | 2 50 | 27 55 | 18 18 | 5 5 |
| T 14 | 12 3 | 28 7 | 4 59 | 18 0 | 0 43 | 10 10 | 1 25 | 26 36 | 3 40 | 15 27 | 0 49 | 21 50 | 1 21 | 19 22 | 0 13 | 13 55 | 0 39 | 7 12 | 17 9 | 2 19 | 2 48 | 27 54 | 18 17 | 5 6 |
| F 15 | 11 43 | 28 37 | 5 11 | 17 44 | 0 54 | 9 42 | 1 25 | 26 37 | 3 39 | 15 29 | 0 49 | 21 50 | 1 21 | 19 22 | 0 13 | 13 56 | 0 39 | 7 12 | 17 9 | 2 18 | 2 47 | 27 54 | 18 17 | 5 6 |
| S 16 | 11 23 | 27 8 | 5 2 | 17 25 | 1 4 | 9 14 | 1 24 | 26 38 | 3 38 | 15 32 | 0 49 | 21 51 | 1 21 | 19 22 | 0 13 | 13 56 | 0 39 | 7 13 | 17 9 | 2 16 | 2 46 | 27 53 | 18 17 | 5 6 |
| S 17 | 11 2 | 23 44 | 4 33 | 17 3 | 1 12 | 8 45 | 1 24 | 26 39 | 3 36 | 15 34 | 0 48 | 21 51 | 1 21 | 19 22 | 0 13 | 13 57 | 0 39 | 7 13 | 17 10 | 2 14 | 2 45 | 27 52 | 18 17 | 5 7 |
| M18 | 10 41 | 18 47 | 3 46 | 16 38 | 1 20 | 8 16 | 1 23 | 26 41 | 3 35 | 15 37 | 0 48 | 21 51 | 1 21 | 19 22 | 0 13 | 13 58 | 0 39 | 7 13 | 17 10 | 2 12 | 2 43 | 27 51 | 18 16 | 5 7 |
| T 19 | 10 20 | 12 46 | 2 45 | 16 11 | 1 27 | 7 47 | 1 23 | 26 42 | 3 34 | 15 39 | 0 48 | 21 51 | 1 21 | 19 22 | 0 13 | 13 58 | 0 39 | 7 14 | 17 10 | 2 10 | 2 42 | 27 50 | 18 16 | 5 8 |
| W20 | 9 59 | 6 10 | 1 33 | 15 41 | 1 33 | 7 18 | 1 22 | 26 43 | 3 32 | 15 42 | 0 48 | 21 51 | 1 21 | 19 22 | 0 13 | 13 59 | 0 39 | 7 14 | 17 11 | 2 9 | 2 41 | 27 49 | 18 16 | 5 8 |
| T 21 | 9 37 | 0s35 | 0 18 | 15 9 | 1 38 | 6 48 | 1 22 | 26 43 | 3 31 | 15 44 | 0 48 | 21 52 | 1 21 | 19 22 | 0 13 | 13 59 | 0 39 | 7 15 | 17 11 | 2 9 | 2 40 | 27 49 | 18 15 | 5 9 |
| F 22 | 9 16 | 7 6 | 0s57 | 14 35 | 1 41 | 6 18 | 1 21 | 26 44 | 3 30 | 15 47 | 0 47 | 21 52 | 1 21 | 19 23 | 0 13 | 14 0 | 0 39 | 7 15 | 17 11 | 2 9 | 2 38 | 27 48 | 18 15 | 5 9 |
| S 23 | 8 54 | 13 8 | 2 6 | 13 59 | 1 44 | 5 48 | 1 20 | 26 45 | 3 29 | 15 49 | 0 47 | 21 52 | 1 21 | 19 23 | 0 13 | 14 0 | 0 39 | 7 16 | 17 11 | 2 9 | 2 37 | 27 47 | 18 14 | 5 10 |
| S 24 | 8 32 | 18 25 | 3 7 | 13 21 | 1 47 | 5 18 | 1 19 | 26 45 | 3 27 | 15 52 | 0 47 | 21 52 | 1 21 | 19 23 | 0 13 | 14 1 | 0 39 | 7 16 | 17 12 | 2 10 | 2 36 | 27 46 | 18 14 | 5 10 |
| M25 | 8 11 | 22 46 | 3 57 | 12 41 | 1 48 | 4 48 | 1 18 | 26 46 | 3 26 | 15 55 | 0 47 | 21 52 | 1 21 | 19 23 | 0 13 | 14 1 | 0 39 | 7 17 | 17 12 | 2 11 | 2 35 | 27 45 | 18 14 | 5 11 |
| T 26 | 7 48 | 26 1 | 4 35 | 12 0 | 1 48 | 4 17 | 1 17 | 26 46 | 3 24 | 15 57 | 0 47 | 21 53 | 1 21 | 19 23 | 0 13 | 14 2 | 0 39 | 7 17 | 17 12 | 2 11 | 2 33 | 27 44 | 18 13 | 5 11 |
| W27 | 7 26 | 28 2 | 5 1 | 11 18 | 1 48 | 3 47 | 1 16 | 26 46 | 3 23 | 16 0 | 0 46 | 21 53 | 1 21 | 19 23 | 0 13 | 14 2 | 0 39 | 7 18 | 17 12 | 2 11 | 2 32 | 27 43 | 18 13 | 5 12 |
| T 28 | 7 4 | 28 44 | 5 13 | 10 35 | 1 48 | 3 16 | 1 15 | 26 46 | 3 22 | 16 3 | 0 46 | 21 53 | 1 21 | 19 23 | 0 13 | 14 3 | 0 39 | 7 18 | 17 12 | 2 10 | 2 31 | 27 42 | 18 12 | 5 12 |
| F 29 | 6 42 | 28 6 | 5 12 | 9 51 | 1 46 | 2 46 | 1 14 | 26 46 | 3 20 | 16 6 | 0 46 | 21 53 | 1 21 | 19 22 | 0 13 | 14 3 | 0 39 | 7 19 | 17 13 | 2 9 | 2 30 | 27 41 | 18 12 | 5 13 |
| S 30 | 6 19 | 26 11 | 4 57 | 9 6 | 1 44 | 2 15 | 1 13 | 26 46 | 3 19 | 16 8 | 0 46 | 21 53 | 1 22 | 19 22 | 0 13 | 14 4 | 0 39 | 7 19 | 17 13 | 2 8 | 2 28 | 27 40 | 18 12 | 5 13 |
| S 31 | 5n56 | 23s 5 | 4s29 | 8n21 | 1n42 | 1n44 | 1n11 | 26s46 | 3s18 | 16s11 | 0n46 | 21n53 | 1s22 | 19n22 | 0s13 | 14s 4 | 0s39 | 7s20 | 17s13 | 2n 7 | 2n27 | 27s39 | 18n11 | 5s14 |

Julian Day Number = 2215818.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'16, Lahiri = 14°51'16 Julian Calendar 1 Aug. 1354 == Greg. Calendar 9 Aug. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## SEPTEMBER 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 11 20 | 15♍57'10 | 18♒30 | 14♍39 | 29♍38 | 26♐42 | 16♏57 | 21♊26 | 27°R 8 | 24°R19 | 22°R 9 | 5°R15 | 6♈ 6 | 15♉39 | 24♊33 | M 1 |
| T 2 | 23 15 16 | 16°55'47 | 0♓47 | 16°30 | 0♎52 | 27°15 | 17° 7 | 21°29 | 27♉ 7 | 24♒17 | 22♈ 8 | 5♈13 | 6° 2 | 15°46 | 24°35 | T 2 |
| W 3 | 23 19 13 | 17°54'25 | 13°15 | 18°20 | 2° 7 | 27°49 | 17°16 | 21°31 | 27° 7 | 24°16 | 22° 7 | 5°11 | 5°59 | 15°53 | 24°37 | W 3 |
| T 4 | 23 23 9 | 18°53'05 | 25°56 | 20° 9 | 3°21 | 28°23 | 17°26 | 21°34 | 27° 7 | 24°14 | 22° 6 | 5°10 | 5°56 | 16° 0 | 24°39 | T 4 |
| F 5 | 23 27 6 | 19°51'48 | 8♈50 | 21°57 | 4°36 | 28°57 | 17°36 | 21°36 | 27° 6 | 24°13 | 22° 5 | 5°D 9 | 5°53 | 16° 6 | 24°41 | F 5 |
| S 6 | 23 31 2 | 20°50'32 | 21°57 | 23°44 | 5°50 | 29°32 | 17°46 | 21°38 | 27° 5 | 24°12 | 22° 4 | 5°10 | 5°50 | 16°13 | 24°43 | S 6 |
| S 7 | 23 34 59 | 21°49'19 | 5♉16 | 25°30 | 7° 4 | 0♊ 7 | 17°56 | 21°41 | 27° 5 | 24°10 | 22° 3 | 5°11 | 5°47 | 16°20 | 24°44 | S 7 |
| M 8 | 23 38 56 | 22°48'08 | 18°49 | 27°15 | 8°19 | 0°42 | 18° 6 | 21°43 | 27° 4 | 24° 9 | 22° 2 | 5°12 | 5°43 | 16°26 | 24°46 | M 8 |
| T 9 | 23 42 52 | 23°46'59 | 2♊34 | 29° 0 | 9°33 | 1°17 | 18°16 | 21°45 | 27° 3 | 24° 7 | 22° 1 | 5°13 | 5°40 | 16°33 | 24°47 | T 9 |
| W10 | 23 46 49 | 24°45'53 | 16°31 | 0♎43 | 10°48 | 1°53 | 18°26 | 21°47 | 27° 3 | 24° 6 | 22° 0 | 5°13 | 5°37 | 16°40 | 24°48 | W10 |
| T 11 | 23 50 45 | 25°44'49 | 0♋38 | 2°25 | 12° 2 | 2°28 | 18°36 | 21°48 | 27° 2 | 24° 5 | 21°59 | 5°R14 | 5°34 | 16°47 | 24°50 | T 11 |
| F 12 | 23 54 42 | 26°43'47 | 14°54 | 4° 7 | 13°17 | 3° 4 | 18°47 | 21°50 | 27° 1 | 24° 3 | 21°58 | 5°13 | 5°31 | 16°53 | 24°51 | F 12 |
| S 13 | 23 58 38 | 27°42'48 | 29°17 | 5°48 | 14°31 | 3°41 | 18°57 | 21°52 | 27° 0 | 24° 2 | 21°57 | 5°12 | 5°28 | 17° 0 | 24°52 | S 13 |
| S 14 | 0 2 35 | 28°41'51 | 13♌42 | 7°27 | 15°46 | 4°17 | 19° 8 | 21°53 | 26°59 | 24° 1 | 21°56 | 5°12 | 5°24 | 17° 7 | 24°53 | S 14 |
| M15 | 0 6 31 | 29°40'57 | 28° 5 | 9° 6 | 17° 0 | 4°54 | 19°19 | 21°54 | 26°58 | 23°59 | 21°55 | 5°11 | 5°21 | 17°14 | 24°54 | M15 |
| T 16 | 0 10 28 | 0♎40'04 | 12♍21 | 10°44 | 18°14 | 5°31 | 19°30 | 21°56 | 26°57 | 23°58 | 21°54 | 5°11 | 5°18 | 17°20 | 24°55 | T 16 |
| W17 | 0 14 25 | 1°39'14 | 26°26 | 12°22 | 19°29 | 6° 8 | 19°40 | 21°57 | 26°56 | 23°57 | 21°53 | 5°10 | 5°15 | 17°27 | 24°56 | W17 |
| T 18 | 0 18 21 | 2°38'25 | 10♎15 | 13°58 | 20°43 | 6°45 | 19°51 | 21°58 | 26°55 | 23°56 | 21°52 | 5°D10 | 5°12 | 17°34 | 24°56 | T 18 |
| F 19 | 0 22 18 | 3°37'39 | 23°45 | 15°34 | 21°58 | 7°23 | 20° 3 | 21°59 | 26°54 | 23°55 | 21°51 | 5°10 | 5° 8 | 17°40 | 24°57 | F 19 |
| S 20 | 0 26 14 | 4°36'55 | 6♏56 | 17° 9 | 23°12 | 8° 0 | 20°14 | 21°59 | 26°52 | 23°53 | 21°50 | 5°10 | 5° 5 | 17°47 | 24°57 | S 20 |
| S 21 | 0 30 11 | 5°36'13 | 19°46 | 18°43 | 24°27 | 8°38 | 20°25 | 22° 0 | 26°51 | 23°52 | 21°49 | 5°R10 | 5° 2 | 17°54 | 24°58 | S 21 |
| M22 | 0 34 7 | 6°35'33 | 2♐18 | 20°16 | 25°41 | 9°16 | 20°36 | 22° 1 | 26°50 | 23°51 | 21°47 | 5°10 | 4°59 | 18° 1 | 24°58 | M22 |
| T 23 | 0 38 4 | 7°34'54 | 14°35 | 21°49 | 26°56 | 9°55 | 20°48 | 22° 1 | 26°49 | 23°50 | 21°46 | 5°10 | 4°56 | 18° 7 | 24°58 | T 23 |
| W24 | 0 42 0 | 8°34'18 | 26°39 | 23°21 | 28°10 | 10°33 | 20°59 | 22° 1 | 26°47 | 23°49 | 21°45 | 5°10 | 4°53 | 18°14 | 24°59 | W24 |
| T 25 | 0 45 57 | 9°33'43 | 8♑35 | 24°52 | 29°24 | 11°12 | 21°11 | 22° 2 | 26°46 | 23°48 | 21°44 | 5°D10 | 4°49 | 18°21 | 24°59 | T 25 |
| F 26 | 0 49 54 | 10°33'10 | 20°28 | 26°22 | 0♏39 | 11°50 | 21°22 | 22°R 2 | 26°44 | 23°47 | 21°43 | 5°10 | 4°46 | 18°27 | 24°R59 | F 26 |
| S 27 | 0 53 50 | 11°32'39 | 2♒22 | 27°52 | 1°53 | 12°29 | 21°34 | 22° 2 | 26°43 | 23°46 | 21°42 | 5°10 | 4°43 | 18°34 | 24°59 | S 27 |
| S 28 | 0 57 47 | 12°32'10 | 14°22 | 29°21 | 3° 8 | 13° 8 | 21°46 | 22° 2 | 26°41 | 23°45 | 21°41 | 5°11 | 4°40 | 18°41 | 24°59 | S 28 |
| M29 | 1 1 43 | 13°31'42 | 26°32 | 0♏49 | 4°22 | 13°48 | 21°58 | 22° 1 | 26°39 | 23°44 | 21°40 | 5°12 | 4°37 | 18°48 | 24°58 | M29 |
| T 30 | 1 5 40 | 14♎31'16 | 8♓56 | 2♏17 | 5♏36 | 14♑27 | 22♏ 9 | 22♊ 1 | 26♉38 | 23♒43 | 21♈39 | 5♈13 | 4♈33 | 18♉54 | 24♊58 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n34 | 18s58 | 3s49 | 7n35 | 1n39 | 1n13 | 1n10 | 26s45 | 3s16 | 16s14 | 0n45 | 21n53 | 1s22 | 19n22 | 0s13 | 14s 5 | 0s39 | 7s20 | 17s13 | 2n 6 | 2n26 | 27s38 | 18n11 | 5s14 |
| T 2 | 5 11 | 14 1 | 2 58 | 6 48 | 1 35 | 0 42 | 1 8 | 26 45 | 3 15 | 16 17 | 0 45 | 21 54 | 1 22 | 19 22 | 0 13 | 14 5 | 0 39 | 7 21 | 17 13 | 2 5 | 2 24 | 27 38 | 18 10 | 5 15 |
| W 3 | 4 48 | 8 25 | 1 58 | 6 2 | 1 31 | 0 11 | 1 7 | 26 44 | 3 13 | 16 20 | 0 45 | 21 54 | 1 22 | 19 22 | 0 13 | 14 6 | 0 39 | 7 21 | 17 14 | 2 4 | 2 23 | 27 37 | 18 10 | 5 15 |
| T 4 | 4 25 | 2 24 | 0 51 | 5 15 | 1 27 | 0s20 | 1 5 | 26 43 | 3 12 | 16 23 | 0 45 | 21 54 | 1 22 | 19 22 | 0 13 | 14 6 | 0 39 | 7 22 | 17 14 | 2 3 | 2 22 | 27 36 | 18 9 | 5 16 |
| F 5 | 4 2 | 3n49 | 0n20 | 4 28 | 1 22 | 0 51 | 1 4 | 26 42 | 3 11 | 16 26 | 0 45 | 21 54 | 1 22 | 19 22 | 0 13 | 14 7 | 0 39 | 7 22 | 17 14 | 2 3 | 2 21 | 27 35 | 18 9 | 5 16 |
| S 6 | 3 39 | 9 59 | 1 31 | 3 41 | 1 17 | 1 22 | 1 2 | 26 41 | 3 9 | 16 29 | 0 44 | 21 54 | 1 22 | 19 22 | 0 13 | 14 7 | 0 39 | 7 23 | 17 14 | 2 4 | 2 19 | 27 34 | 18 9 | 5 17 |
| S 7 | 3 15 | 15 49 | 2 39 | 2 54 | 1 12 | 1 54 | 1 0 | 26 39 | 3 8 | 16 32 | 0 44 | 21 54 | 1 22 | 19 22 | 0 13 | 14 8 | 0 39 | 7 23 | 17 14 | 2 4 | 2 18 | 27 33 | 18 8 | 5 17 |
| M 8 | 2 52 | 20 59 | 3 39 | 2 7 | 1 7 | 2 25 | 0 59 | 26 38 | 3 6 | 16 35 | 0 44 | 21 54 | 1 22 | 19 21 | 0 13 | 14 8 | 0 39 | 7 24 | 17 15 | 2 4 | 2 17 | 27 32 | 18 8 | 5 18 |
| T 9 | 2 29 | 25 6 | 4 27 | 1 20 | 1 1 | 2 56 | 0 57 | 26 36 | 3 5 | 16 38 | 0 44 | 21 54 | 1 22 | 19 21 | 0 13 | 14 9 | 0 39 | 7 24 | 17 15 | 2 5 | 2 16 | 27 31 | 18 7 | 5 18 |
| W10 | 2 5 | 27 49 | 5 0 | 0 33 | 0 55 | 3 27 | 0 55 | 26 34 | 3 3 | 16 41 | 0 44 | 21 54 | 1 22 | 19 21 | 0 13 | 14 9 | 0 39 | 7 25 | 17 15 | 2 5 | 2 14 | 27 30 | 18 7 | 5 19 |
| T 11 | 1 42 | 28 47 | 5 15 | 0s13 | 0 49 | 3 58 | 0 53 | 26 32 | 3 2 | 16 44 | 0 44 | 21 54 | 1 22 | 19 21 | 0 13 | 14 10 | 0 39 | 7 25 | 17 15 | 2 5 | 2 13 | 27 28 | 18 6 | 5 19 |
| F 12 | 1 18 | 27 51 | 5 12 | 0 59 | 0 43 | 4 28 | 0 51 | 26 30 | 3 1 | 16 47 | 0 43 | 21 54 | 1 22 | 19 21 | 0 13 | 14 10 | 0 39 | 7 26 | 17 15 | 2 5 | 2 12 | 27 27 | 18 6 | 5 20 |
| S 13 | 0 55 | 25 5 | 4 49 | 1 45 | 0 36 | 4 59 | 0 49 | 26 27 | 2 59 | 16 50 | 0 43 | 21 54 | 1 22 | 19 21 | 0 13 | 14 11 | 0 39 | 7 26 | 17 15 | 2 5 | 2 11 | 27 26 | 18 5 | 5 21 |
| S 14 | 0 31 | 20 44 | 4 8 | 2 31 | 0 30 | 5 30 | 0 47 | 26 25 | 2 58 | 16 53 | 0 43 | 21 54 | 1 23 | 19 20 | 0 13 | 14 11 | 0 39 | 7 27 | 17 15 | 2 4 | 2 9 | 27 25 | 18 5 | 5 21 |
| M15 | 0 8 | 15 10 | 3 11 | 3 16 | 0 23 | 6 1 | 0 45 | 26 22 | 2 56 | 16 56 | 0 43 | 21 54 | 1 23 | 19 20 | 0 13 | 14 11 | 0 39 | 7 27 | 17 16 | 2 4 | 2 8 | 27 24 | 18 4 | 5 22 |
| T 16 | 0s16 | 8 51 | 2 3 | 4 1 | 0 16 | 6 31 | 0 43 | 26 19 | 2 55 | 16 59 | 0 43 | 21 54 | 1 23 | 19 20 | 0 13 | 14 12 | 0 39 | 7 28 | 17 16 | 2 4 | 2 7 | 27 23 | 18 4 | 5 22 |
| W17 | 0 40 | 2 10 | 0 48 | 4 45 | 0 9 | 7 1 | 0 41 | 26 16 | 2 53 | 17 2 | 0 43 | 21 54 | 1 23 | 19 20 | 0 13 | 14 12 | 0 39 | 7 28 | 17 16 | 2 4 | 2 6 | 27 22 | 18 3 | 5 23 |
| T 18 | 1 3 | 4s30 | 0s28 | 5 29 | 0 2 | 7 31 | 0 39 | 26 13 | 2 52 | 17 5 | 0 42 | 21 54 | 1 23 | 19 19 | 0 13 | 14 13 | 0 39 | 7 29 | 17 16 | 2 4 | 2 4 | 27 21 | 18 3 | 5 23 |
| F 19 | 1 27 | 10 49 | 1 41 | 6 13 | 0s 4 | 8 2 | 0 36 | 26 9 | 2 50 | 17 8 | 0 42 | 21 54 | 1 23 | 19 19 | 0 13 | 14 13 | 0 39 | 7 29 | 17 16 | 2 4 | 2 3 | 27 20 | 18 2 | 5 24 |
| S 20 | 1 50 | 16 30 | 2 47 | 6 56 | 0 11 | 8 31 | 0 34 | 26 5 | 2 49 | 17 11 | 0 42 | 21 54 | 1 23 | 19 19 | 0 13 | 14 13 | 0 39 | 7 30 | 17 16 | 2 4 | 2 2 | 27 19 | 18 2 | 5 24 |
| S 21 | 2 14 | 21 19 | 3 43 | 7 39 | 0 19 | 9 1 | 0 32 | 26 2 | 2 47 | 17 15 | 0 42 | 21 54 | 1 23 | 19 18 | 0 13 | 14 14 | 0 39 | 7 30 | 17 16 | 2 4 | 2 0 | 27 18 | 18 1 | 5 25 |
| M22 | 2 38 | 25 3 | 4 26 | 8 21 | 0 26 | 9 30 | 0 29 | 25 57 | 2 46 | 17 18 | 0 42 | 21 54 | 1 23 | 19 18 | 0 13 | 14 14 | 0 39 | 7 31 | 17 16 | 2 4 | 1 59 | 27 17 | 18 1 | 5 25 |
| T 23 | 3 1 | 27 32 | 4 57 | 9 2 | 0 33 | 10 0 | 0 27 | 25 53 | 2 44 | 17 21 | 0 42 | 21 54 | 1 23 | 19 18 | 0 13 | 14 15 | 0 39 | 7 31 | 17 16 | 2 4 | 1 58 | 27 15 | 18 0 | 5 26 |
| W24 | 3 25 | 28 42 | 5 13 | 9 43 | 0 40 | 10 29 | 0 24 | 25 49 | 2 43 | 17 24 | 0 41 | 21 54 | 1 23 | 19 18 | 0 13 | 14 15 | 0 39 | 7 32 | 17 16 | 2 4 | 1 57 | 27 14 | 18 0 | 5 26 |
| T 25 | 3 48 | 28 30 | 5 16 | 10 23 | 0 47 | 10 58 | 0 22 | 25 44 | 2 41 | 17 27 | 0 41 | 21 54 | 1 23 | 19 17 | 0 13 | 14 15 | 0 39 | 7 32 | 17 17 | 2 4 | 1 55 | 27 13 | 17 59 | 5 27 |
| F 26 | 4 12 | 27 0 | 5 6 | 11 3 | 0 54 | 11 26 | 0 20 | 25 39 | 2 40 | 17 30 | 0 41 | 21 54 | 1 23 | 19 17 | 0 13 | 14 16 | 0 39 | 7 33 | 17 17 | 2 4 | 1 54 | 27 12 | 17 58 | 5 28 |
| S 27 | 4 35 | 24 17 | 4 42 | 11 42 | 1 0 | 11 54 | 0 17 | 25 34 | 2 38 | 17 34 | 0 41 | 21 54 | 1 23 | 19 16 | 0 13 | 14 16 | 0 39 | 7 33 | 17 17 | 2 4 | 1 53 | 27 11 | 17 58 | 5 28 |
| S 28 | 4 58 | 20 30 | 4 6 | 12 20 | 1 7 | 12 22 | 0 15 | 25 29 | 2 37 | 17 37 | 0 41 | 21 54 | 1 23 | 19 16 | 0 13 | 14 16 | 0 39 | 7 33 | 17 17 | 2 4 | 1 52 | 27 10 | 17 57 | 5 29 |
| M29 | 5 21 | 15 49 | 3 18 | 12 57 | 1 14 | 12 50 | 0 12 | 25 23 | 2 35 | 17 40 | 0 41 | 21 54 | 1 23 | 19 16 | 0 13 | 14 16 | 0 39 | 7 34 | 17 17 | 2 4 | 1 50 | 27 8 | 17 57 | 5 29 |
| T 30 | 5s45 | 10s25 | 2s20 | 13s34 | 1s21 | 13s17 | 0n 9 | 25s17 | 2s34 | 17s43 | 0n41 | 21n54 | 1s24 | 19n15 | 0s13 | 14s17 | 0s39 | 7s34 | 17s17 | 2n 5 | 1n49 | 27s 7 | 17n56 | 5s30 |

Julian Day Number = 2215849.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'33, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'20, Lahiri = 14°51'21 Julian Calendar 1 Sept. 1354 == Greg. Calendar 9 Sept. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## OCTOBER 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 9 36 | 15♎30'52 | 21♓36 | 3♏43 | 6♏51 | 15♑ 6 | 22♏21 | 22°R 1 | 26°R36 | 23°R42 | 21°R37 | 5♈13 | 4♈30 | 19♑ 1 | 24°R58 | W 1 |
| T 2 | 1 13 33 | 16°30'31 | 4♈33 | 5° 9 | 8° 5 | 15°46 | 22°33 | 22♊ 0 | 26♉34 | 23♒42 | 21♈36 | 5°R14 | 4°27 | 19° 8 | 24♊57 | T 2 |
| F 3 | 1 17 29 | 17°30'11 | 17°48 | 6°35 | 9°20 | 16°26 | 22°45 | 21°59 | 26°33 | 23°41 | 21°35 | 5°13 | 4°24 | 19°14 | 24°57 | F 3 |
| S 4 | 1 21 26 | 18°29'53 | 1♉20 | 7°59 | 10°34 | 17° 6 | 22°58 | 21°59 | 26°31 | 23°40 | 21°34 | 5°12 | 4°21 | 19°21 | 24°56 | S 4 |
| S 5 | 1 25 22 | 19°29'37 | 15° 8 | 9°23 | 11°48 | 17°46 | 23°10 | 21°58 | 26°29 | 23°39 | 21°33 | 5°11 | 4°18 | 19°28 | 24°56 | S 5 |
| M 6 | 1 29 19 | 20°29'23 | 29° 7 | 10°45 | 13° 3 | 18°26 | 23°22 | 21°57 | 26°27 | 23°38 | 21°32 | 5° 9 | 4°14 | 19°35 | 24°55 | M 6 |
| T 7 | 1 33 16 | 21°29'12 | 13♊14 | 12° 7 | 14°17 | 19° 6 | 23°34 | 21°56 | 26°25 | 23°38 | 21°31 | 5° 7 | 4°11 | 19°41 | 24°54 | T 7 |
| W 8 | 1 37 12 | 22°29'03 | 27°27 | 13°28 | 15°31 | 19°47 | 23°47 | 21°54 | 26°23 | 23°37 | 21°29 | 5° 5 | 4° 8 | 19°48 | 24°53 | W 8 |
| T 9 | 1 41 9 | 23°28'56 | 11♋41 | 14°48 | 16°46 | 20°27 | 23°59 | 21°53 | 26°21 | 23°36 | 21°28 | 5° 4 | 4° 5 | 19°55 | 24°52 | T 9 |
| F 10 | 1 45 5 | 24°28'52 | 25°54 | 16° 6 | 18° 0 | 21° 8 | 24°12 | 21°52 | 26°19 | 23°36 | 21°27 | 5°D 3 | 4° 2 | 20° 1 | 24°51 | F 10 |
| S 11 | 1 49 2 | 25°28'50 | 10♌ 3 | 17°24 | 19°14 | 21°49 | 24°24 | 21°50 | 26°17 | 23°35 | 21°26 | 5° 4 | 3°59 | 20° 8 | 24°50 | S 11 |
| S 12 | 1 52 58 | 26°28'50 | 24° 6 | 18°40 | 20°29 | 22°30 | 24°37 | 21°48 | 26°15 | 23°35 | 21°25 | 5° 5 | 3°55 | 20°15 | 24°48 | S 12 |
| M13 | 1 56 55 | 27°28'52 | 8♍ 2 | 19°54 | 21°43 | 23°11 | 24°50 | 21°47 | 26°13 | 23°34 | 21°24 | 5° 7 | 3°52 | 20°22 | 24°47 | M13 |
| T 14 | 2 0 51 | 28°28'56 | 21°50 | 21° 7 | 22°57 | 23°52 | 25° 2 | 21°45 | 26°11 | 23°34 | 21°23 | 5° 8 | 3°49 | 20°28 | 24°46 | T 14 |
| W15 | 2 4 48 | 29°29'02 | 5♎27 | 22°18 | 24°11 | 24°33 | 25°15 | 21°43 | 26° 9 | 23°33 | 21°22 | 5°R 8 | 3°46 | 20°35 | 24°44 | W15 |
| T 16 | 2 8 45 | 0♏29'10 | 18°53 | 23°27 | 25°26 | 25°14 | 25°28 | 21°41 | 26° 6 | 23°33 | 21°20 | 5° 8 | 3°43 | 20°42 | 24°43 | T 16 |
| F 17 | 2 12 41 | 1°29'21 | 2♏ 5 | 24°34 | 26°40 | 25°56 | 25°41 | 21°38 | 26° 4 | 23°32 | 21°19 | 5° 6 | 3°39 | 20°49 | 24°41 | F 17 |
| S 18 | 2 16 38 | 2°29'33 | 15° 2 | 25°39 | 27°54 | 26°37 | 25°53 | 21°36 | 26° 2 | 23°32 | 21°18 | 5° 2 | 3°36 | 20°55 | 24°39 | S 18 |
| S 19 | 2 20 34 | 3°29'47 | 27°45 | 26°41 | 29° 9 | 27°19 | 26° 6 | 21°34 | 26° 0 | 23°32 | 21°17 | 4°58 | 3°33 | 21° 2 | 24°37 | S 19 |
| M20 | 2 24 31 | 4°30'02 | 10♐12 | 27°40 | 0♐23 | 28° 1 | 26°19 | 21°31 | 25°57 | 23°32 | 21°16 | 4°52 | 3°30 | 21° 9 | 24°35 | M20 |
| T 21 | 2 28 27 | 5°30'20 | 22°27 | 28°35 | 1°37 | 28°42 | 26°32 | 21°29 | 25°55 | 23°31 | 21°15 | 4°47 | 3°27 | 21°15 | 24°33 | T 21 |
| W22 | 2 32 24 | 6°30'39 | 4♑30 | 29°27 | 2°51 | 29°24 | 26°45 | 21°26 | 25°53 | 23°31 | 21°14 | 4°42 | 3°24 | 21°22 | 24°31 | W22 |
| T 23 | 2 36 20 | 7°30'59 | 16°26 | 0♐14 | 4° 6 | 0♒ 6 | 26°58 | 21°23 | 25°51 | 23°31 | 21°13 | 4°39 | 3°20 | 21°29 | 24°29 | T 23 |
| F 24 | 2 40 17 | 8°31'21 | 28°18 | 0°57 | 5°20 | 0°48 | 27°12 | 21°20 | 25°48 | 23°31 | 21°12 | 4°37 | 3°17 | 21°36 | 24°27 | F 24 |
| S 25 | 2 44 14 | 9°31'45 | 10♒10 | 1°34 | 6°34 | 1°30 | 27°25 | 21°17 | 25°46 | 23°31 | 21°11 | 4°D36 | 3°14 | 21°42 | 24°25 | S 25 |
| S 26 | 2 48 10 | 10°32'10 | 22° 8 | 2° 5 | 7°48 | 2°13 | 27°38 | 21°14 | 25°43 | 23°31 | 21° 9 | 4°37 | 3°11 | 21°49 | 24°23 | S 26 |
| M27 | 2 52 7 | 11°32'36 | 4♓17 | 2°29 | 9° 3 | 2°55 | 27°51 | 21°11 | 25°41 | 23°31 | 21° 8 | 4°38 | 3° 8 | 21°56 | 24°20 | M27 |
| T 28 | 2 56 3 | 12°33'03 | 16°41 | 2°46 | 10°17 | 3°37 | 28° 4 | 21° 8 | 25°38 | 23°D30 | 21° 7 | 4°40 | 3° 5 | 22° 2 | 24°18 | T 28 |
| W29 | 3 0 0 | 13°33'32 | 29°25 | 2°55 | 11°31 | 4°20 | 28°18 | 21° 4 | 25°36 | 23°31 | 21° 6 | 4°R41 | 3° 1 | 22° 9 | 24°15 | W29 |
| T 30 | 3 3 56 | 14°34'02 | 12♈31 | 2°R56 | 12°45 | 5° 2 | 28°31 | 21° 1 | 25°34 | 23°31 | 21° 5 | 4°41 | 2°58 | 22°16 | 24°13 | T 30 |
| F 31 | 3 7 53 | 15♏34'34 | 26♈ 2 | 2♐46 | 13♐59 | 5♒45 | 28♏44 | 20♊58 | 25♉31 | 23♒31 | 21♈ 4 | 4♈39 | 2♈55 | 22♑23 | 24♊10 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s 8 | 4s29 | 1s15 | 14s10 | 1s27 | 13s45 | 0n 7 | 25s11 | 2s32 | 17s46 | 0n40 | 21n54 | 1s24 | 19n15 | 0s13 | 14s17 | 0s39 | 7s35 | 17s17 | 2n 5 | 1n48 | 27s 6 | 17n56 | 5s30 |
| T 2 | 6 31 | 1n45 | 0 4 | 14 46 | 1 34 | 14 11 | 0 4 | 25 5 | 2 31 | 17 50 | 0 40 | 21 53 | 1 24 | 19 15 | 0 13 | 14 17 | 0 39 | 7 35 | 17 17 | 2 5 | 1 47 | 27 5 | 17 55 | 5 31 |
| F 3 | 6 54 | 8 4 | 1n 9 | 15 20 | 1 40 | 14 38 | 0 2 | 24 59 | 2 30 | 17 53 | 0 40 | 21 53 | 1 24 | 19 14 | 0 13 | 14 18 | 0 39 | 7 36 | 17 17 | 2 5 | 1 45 | 27 4 | 17 55 | 5 31 |
| S 4 | 7 17 | 14 9 | 2 19 | 15 54 | 1 46 | 15 4 | 0s 1 | 24 52 | 2 28 | 17 56 | 0 40 | 21 53 | 1 24 | 19 14 | 0 13 | 14 18 | 0 39 | 7 36 | 17 17 | 2 5 | 1 44 | 27 2 | 17 54 | 5 32 |
| S 5 | 7 39 | 19 40 | 3 23 | 16 26 | 1 52 | 15 29 | 0 4 | 24 46 | 2 27 | 17 59 | 0 40 | 21 53 | 1 24 | 19 13 | 0 13 | 14 18 | 0 39 | 7 36 | 17 17 | 2 4 | 1 43 | 27 1 | 17 54 | 5 32 |
| M 6 | 8 2 | 24 11 | 4 15 | 16 58 | 1 58 | 15 55 | 0 6 | 24 39 | 2 25 | 18 2 | 0 40 | 21 53 | 1 24 | 19 13 | 0 13 | 14 18 | 0 39 | 7 37 | 17 17 | 2 3 | 1 41 | 27 0 | 17 53 | 5 33 |
| T 7 | 8 24 | 27 18 | 4 53 | 17 29 | 2 4 | 16 20 | 0 9 | 24 32 | 2 24 | 18 6 | 0 40 | 21 53 | 1 24 | 19 12 | 0 13 | 14 19 | 0 39 | 7 37 | 17 17 | 2 2 | 1 40 | 26 59 | 17 52 | 5 33 |
| W 8 | 8 47 | 28 42 | 5 12 | 17 59 | 2 9 | 16 44 | 0 12 | 24 24 | 2 22 | 18 9 | 0 39 | 21 53 | 1 24 | 19 12 | 0 13 | 14 19 | 0 39 | 7 38 | 17 17 | 2 2 | 1 39 | 26 58 | 17 52 | 5 34 |
| T 9 | 9 9 | 28 12 | 5 13 | 18 28 | 2 14 | 17 8 | 0 14 | 24 17 | 2 21 | 18 12 | 0 39 | 21 53 | 1 24 | 19 11 | 0 13 | 14 19 | 0 39 | 7 38 | 17 17 | 2 1 | 1 38 | 26 56 | 17 51 | 5 34 |
| F 10 | 9 31 | 25 52 | 4 55 | 18 56 | 2 19 | 17 32 | 0 17 | 24 9 | 2 19 | 18 15 | 0 39 | 21 53 | 1 24 | 19 11 | 0 13 | 14 19 | 0 39 | 7 38 | 17 17 | 2 1 | 1 36 | 26 55 | 17 51 | 5 35 |
| S 11 | 9 53 | 21 56 | 4 18 | 19 23 | 2 24 | 17 55 | 0 20 | 24 1 | 2 18 | 18 18 | 0 39 | 21 52 | 1 24 | 19 11 | 0 13 | 14 19 | 0 39 | 7 39 | 17 17 | 2 1 | 1 35 | 26 54 | 17 50 | 5 36 |
| S 12 | 10 15 | 16 47 | 3 27 | 19 49 | 2 28 | 18 18 | 0 23 | 23 53 | 2 16 | 18 22 | 0 39 | 21 52 | 1 24 | 19 10 | 0 13 | 14 20 | 0 39 | 7 39 | 17 17 | 2 2 | 1 34 | 26 52 | 17 50 | 5 36 |
| M13 | 10 37 | 10 48 | 2 24 | 20 13 | 2 32 | 18 40 | 0 25 | 23 44 | 2 15 | 18 25 | 0 39 | 21 52 | 1 24 | 19 10 | 0 13 | 14 20 | 0 39 | 7 40 | 17 17 | 2 2 | 1 33 | 26 51 | 17 49 | 5 37 |
| T 14 | 10 58 | 4 22 | 1 13 | 20 36 | 2 36 | 19 2 | 0 28 | 23 36 | 2 13 | 18 28 | 0 39 | 21 52 | 1 24 | 19 9 | 0 13 | 14 20 | 0 39 | 7 40 | 17 17 | 2 3 | 1 31 | 26 50 | 17 49 | 5 37 |
| W15 | 11 20 | 2s12 | 0s 2 | 20 58 | 2 39 | 19 23 | 0 31 | 23 27 | 2 12 | 18 31 | 0 39 | 21 52 | 1 24 | 19 9 | 0 13 | 14 20 | 0 39 | 7 40 | 17 17 | 2 3 | 1 30 | 26 49 | 17 48 | 5 38 |
| T 16 | 11 41 | 8 34 | 1 15 | 21 19 | 2 42 | 19 44 | 0 33 | 23 18 | 2 10 | 18 34 | 0 38 | 21 52 | 1 24 | 19 8 | 0 13 | 14 20 | 0 39 | 7 41 | 17 17 | 2 3 | 1 29 | 26 47 | 17 47 | 5 38 |
| F 17 | 12 2 | 14 28 | 2 22 | 21 38 | 2 44 | 20 4 | 0 36 | 23 9 | 2 9 | 18 38 | 0 38 | 21 51 | 1 24 | 19 8 | 0 13 | 14 20 | 0 39 | 7 41 | 17 16 | 2 2 | 1 28 | 26 46 | 17 47 | 5 39 |
| S 18 | 12 23 | 19 37 | 3 21 | 21 56 | 2 46 | 20 24 | 0 39 | 22 59 | 2 7 | 18 41 | 0 38 | 21 51 | 1 24 | 19 7 | 0 13 | 14 20 | 0 39 | 7 41 | 17 16 | 2 0 | 1 26 | 26 45 | 17 46 | 5 39 |
| S 19 | 12 44 | 23 46 | 4 9 | 22 12 | 2 47 | 20 43 | 0 41 | 22 50 | 2 6 | 18 44 | 0 38 | 21 51 | 1 24 | 19 6 | 0 13 | 14 20 | 0 39 | 7 42 | 17 16 | 1 59 | 1 25 | 26 43 | 17 46 | 5 40 |
| M20 | 13 4 | 26 44 | 4 44 | 22 26 | 2 48 | 21 1 | 0 44 | 22 40 | 2 4 | 18 47 | 0 38 | 21 51 | 1 25 | 19 6 | 0 13 | 14 21 | 0 39 | 7 42 | 17 16 | 1 57 | 1 24 | 26 42 | 17 45 | 5 40 |
| T 21 | 13 24 | 28 23 | 5 5 | 22 39 | 2 48 | 21 19 | 0 47 | 22 30 | 2 3 | 18 50 | 0 38 | 21 51 | 1 25 | 19 5 | 0 13 | 14 21 | 0 39 | 7 42 | 17 16 | 1 54 | 1 22 | 26 41 | 17 45 | 5 40 |
| W22 | 13 44 | 28 38 | 5 12 | 22 49 | 2 47 | 21 37 | 0 49 | 22 20 | 2 1 | 18 53 | 0 38 | 21 50 | 1 25 | 19 5 | 0 13 | 14 21 | 0 39 | 7 42 | 17 16 | 1 53 | 1 21 | 26 39 | 17 44 | 5 41 |
| T 23 | 14 4 | 27 34 | 5 5 | 22 58 | 2 46 | 21 53 | 0 52 | 22 9 | 2 0 | 18 56 | 0 38 | 21 50 | 1 25 | 19 4 | 0 13 | 14 21 | 0 39 | 7 43 | 17 16 | 1 51 | 1 20 | 26 38 | 17 43 | 5 41 |
| F 24 | 14 24 | 25 14 | 4 46 | 23 5 | 2 43 | 22 9 | 0 54 | 21 59 | 1 58 | 19 0 | 0 38 | 21 50 | 1 25 | 19 4 | 0 13 | 14 21 | 0 39 | 7 43 | 17 16 | 1 50 | 1 19 | 26 37 | 17 43 | 5 42 |
| S 25 | 14 43 | 21 50 | 4 14 | 23 9 | 2 40 | 22 25 | 0 57 | 21 48 | 1 57 | 19 3 | 0 37 | 21 50 | 1 25 | 19 3 | 0 13 | 14 21 | 0 39 | 7 43 | 17 16 | 1 50 | 1 17 | 26 35 | 17 42 | 5 42 |
| S 26 | 15 2 | 17 30 | 3 31 | 23 11 | 2 35 | 22 40 | 0 59 | 21 37 | 1 56 | 19 6 | 0 37 | 21 50 | 1 25 | 19 3 | 0 13 | 14 21 | 0 39 | 7 44 | 17 15 | 1 50 | 1 16 | 26 34 | 17 42 | 5 43 |
| M27 | 15 21 | 12 25 | 2 38 | 23 10 | 2 29 | 22 54 | 1 2 | 21 26 | 1 54 | 19 9 | 0 37 | 21 49 | 1 25 | 19 2 | 0 13 | 14 21 | 0 39 | 7 44 | 17 15 | 1 51 | 1 15 | 26 32 | 17 41 | 5 43 |
| T 28 | 15 40 | 6 45 | 1 36 | 23 7 | 2 22 | 23 8 | 1 4 | 21 14 | 1 53 | 19 12 | 0 37 | 21 49 | 1 25 | 19 1 | 0 13 | 14 21 | 0 39 | 7 44 | 17 15 | 1 52 | 1 14 | 26 31 | 17 41 | 5 44 |
| W29 | 15 58 | 0 40 | 0 29 | 23 0 | 2 14 | 23 21 | 1 7 | 21 3 | 1 51 | 19 15 | 0 37 | 21 49 | 1 25 | 19 1 | 0 13 | 14 21 | 0 39 | 7 44 | 17 15 | 1 52 | 1 12 | 26 30 | 17 40 | 5 44 |
| T 30 | 16 16 | 5n37 | 0n42 | 22 51 | 2 4 | 23 33 | 1 9 | 20 51 | 1 50 | 19 18 | 0 37 | 21 49 | 1 25 | 19 0 | 0 13 | 14 21 | 0 39 | 7 45 | 17 15 | 1 52 | 1 11 | 26 28 | 17 40 | 5 45 |
| F 31 | 16s34 | 11n50 | 1n53 | 22s37 | 1s52 | 23s45 | 1s11 | 20s39 | 1s48 | 19s21 | 0n37 | 21n48 | 1s25 | 19n 0 | 0s13 | 14s21 | 0s39 | 7s45 | 17s15 | 1n51 | 1n10 | 26s27 | 17n39 | 5s45 |

Julian Day Number = 2215879.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'24, Lahiri = 14°51'25 Julian Calendar 1 Oct. 1354 == Greg. Calendar 9 Oct. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## NOVEMBER 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 11 49 | 16♏35'07 | 9♉55 | 2°R27 | 15♐13 | 6♒27 | 28♏57 | 20°R54 | 25°R29 | 23♒31 | 21°R 3 | 4°R35 | 2♈52 | 22♑29 | 24°R 7 | S 1 |
| S 2 | 3 15 46 | 17°35'42 | 24° 9 | 1♐57 | 16°27 | 7°10 | 29°11 | 20♊50 | 25♉26 | 23°31 | 21♈ 2 | 4♈29 | 2°49 | 22°36 | 24♊ 5 | S 2 |
| M 3 | 3 19 43 | 18°36'19 | 8♊38 | 1°16 | 17°41 | 7°52 | 29°24 | 20°47 | 25°24 | 23°31 | 21° 1 | 4°22 | 2°45 | 22°43 | 24° 2 | M 3 |
| T 4 | 3 23 39 | 19°36'57 | 23°16 | 0°25 | 18°56 | 8°35 | 29°38 | 20°43 | 25°21 | 23°31 | 21° 0 | 4°15 | 2°42 | 22°49 | 23°59 | T 4 |
| W 5 | 3 27 36 | 20°37'37 | 7♋54 | 29♏25 | 20°10 | 9°18 | 29°51 | 20°39 | 25°19 | 23°32 | 20°59 | 4° 8 | 2°39 | 22°56 | 23°56 | W 5 |
| T 6 | 3 31 32 | 21°38'18 | 22°27 | 28°16 | 21°24 | 10° 1 | 0♐ 4 | 20°35 | 25°16 | 23°32 | 20°58 | 4° 3 | 2°36 | 23° 3 | 23°53 | T 6 |
| F 7 | 3 35 29 | 22°39'01 | 6♌50 | 27° 0 | 22°38 | 10°44 | 0°18 | 20°31 | 25°14 | 23°32 | 20°57 | 4° 0 | 2°33 | 23°10 | 23°50 | F 7 |
| S 8 | 3 39 25 | 23°39'46 | 20°59 | 25°40 | 23°52 | 11°27 | 0°31 | 20°27 | 25°11 | 23°33 | 20°56 | 3°D58 | 2°30 | 23°16 | 23°47 | S 8 |
| S 9 | 3 43 22 | 24°40'32 | 4♍53 | 24°18 | 25° 6 | 12°10 | 0°45 | 20°23 | 25° 9 | 23°33 | 20°55 | 3°59 | 2°26 | 23°23 | 23°44 | S 9 |
| M10 | 3 47 19 | 25°41'19 | 18°32 | 22°57 | 26°20 | 12°53 | 0°58 | 20°18 | 25° 6 | 23°33 | 20°55 | 4° 0 | 2°23 | 23°30 | 23°40 | M10 |
| T 11 | 3 51 15 | 26°42'09 | 1♎57 | 21°39 | 27°34 | 13°36 | 1°12 | 20°14 | 25° 3 | 23°34 | 20°54 | 4°R 1 | 2°20 | 23°36 | 23°37 | T 11 |
| W12 | 3 55 12 | 27°43'00 | 15°10 | 20°27 | 28°48 | 14°19 | 1°25 | 20°10 | 25° 1 | 23°34 | 20°53 | 4° 0 | 2°17 | 23°43 | 23°34 | W12 |
| T 13 | 3 59 8 | 28°43'52 | 28°11 | 19°23 | 0♑ 1 | 15° 2 | 1°39 | 20° 5 | 24°58 | 23°35 | 20°52 | 3°57 | 2°14 | 23°50 | 23°30 | T 13 |
| F 14 | 4 3 5 | 29°44'45 | 11♏ 2 | 18°29 | 1°15 | 15°45 | 1°52 | 20° 1 | 24°56 | 23°36 | 20°51 | 3°52 | 2°11 | 23°57 | 23°27 | F 14 |
| S 15 | 4 7 1 | 0♐45'40 | 23°41 | 17°46 | 2°29 | 16°28 | 2° 6 | 19°56 | 24°53 | 23°36 | 20°50 | 3°44 | 2° 7 | 24° 3 | 23°24 | S 15 |
| S 16 | 4 10 58 | 1°46'36 | 6♐10 | 17°14 | 3°43 | 17°12 | 2°20 | 19°52 | 24°51 | 23°37 | 20°49 | 3°33 | 2° 4 | 24°10 | 23°20 | S 16 |
| M17 | 4 14 54 | 2°47'34 | 18°28 | 16°54 | 4°57 | 17°55 | 2°33 | 19°47 | 24°48 | 23°37 | 20°49 | 3°22 | 2° 1 | 24°17 | 23°17 | M17 |
| T 18 | 4 18 51 | 3°48'32 | 0♑37 | 16°D45 | 6°11 | 18°38 | 2°47 | 19°42 | 24°46 | 23°38 | 20°48 | 3°10 | 1°58 | 24°23 | 23°13 | T 18 |
| W19 | 4 22 48 | 4°49'31 | 12°37 | 16°46 | 7°25 | 19°22 | 3° 0 | 19°38 | 24°43 | 23°39 | 20°47 | 2°58 | 1°55 | 24°30 | 23° 9 | W19 |
| T 20 | 4 26 44 | 5°50'31 | 24°30 | 16°58 | 8°38 | 20° 5 | 3°14 | 19°33 | 24°41 | 23°40 | 20°46 | 2°49 | 1°51 | 24°37 | 23° 6 | T 20 |
| F 21 | 4 30 41 | 6°51'32 | 6♒20 | 17°19 | 9°52 | 20°48 | 3°27 | 19°28 | 24°38 | 23°40 | 20°45 | 2°42 | 1°48 | 24°44 | 23° 2 | F 21 |
| S 22 | 4 34 37 | 7°52'33 | 18°10 | 17°48 | 11° 6 | 21°32 | 3°41 | 19°23 | 24°36 | 23°41 | 20°45 | 2°37 | 1°45 | 24°50 | 22°58 | S 22 |
| S 23 | 4 38 34 | 8°53'35 | 0♓ 5 | 18°24 | 12°20 | 22°15 | 3°54 | 19°18 | 24°34 | 23°42 | 20°44 | 2°35 | 1°42 | 24°57 | 22°55 | S 23 |
| M24 | 4 42 30 | 9°54'37 | 12° 9 | 19° 7 | 13°33 | 22°59 | 4° 8 | 19°14 | 24°31 | 23°43 | 20°43 | 2°D34 | 1°39 | 25° 4 | 22°51 | M24 |
| T 25 | 4 46 27 | 10°55'40 | 24°29 | 19°56 | 14°47 | 23°42 | 4°21 | 19° 9 | 24°29 | 23°44 | 20°43 | 2°35 | 1°36 | 25°10 | 22°47 | T 25 |
| W26 | 4 50 23 | 11°56'44 | 7♈ 9 | 20°50 | 16° 1 | 24°26 | 4°35 | 19° 4 | 24°26 | 23°45 | 20°42 | 2°R35 | 1°32 | 25°17 | 22°43 | W26 |
| T 27 | 4 54 20 | 12°57'48 | 20°14 | 21°49 | 17°14 | 25° 9 | 4°48 | 18°59 | 24°24 | 23°46 | 20°41 | 2°34 | 1°29 | 25°24 | 22°39 | T 27 |
| F 28 | 4 58 17 | 13°58'52 | 3♉47 | 22°52 | 18°28 | 25°53 | 5° 2 | 18°54 | 24°22 | 23°47 | 20°41 | 2°30 | 1°26 | 25°31 | 22°36 | F 28 |
| S 29 | 5 2 13 | 14°59'57 | 17°50 | 23°58 | 19°41 | 26°37 | 5°15 | 18°49 | 24°19 | 23°48 | 20°40 | 2°24 | 1°23 | 25°37 | 22°32 | S 29 |
| S 30 | 5 6 10 | 16♐ 1'02 | 2♊19 | 25♏ 7 | 20♑55 | 27♒20 | 5♐29 | 18♊44 | 24♉17 | 23♒49 | 20♈40 | 2♈15 | 1♈20 | 25♑44 | 22♊28 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s51 | 17n40 | 2n59 | 22s21 | 1s39 | 23s55 | 1s14 | 20s27 | 1s47 | 19s24 | 0n37 | 21n48 | 1s25 | 18n59 | 0s13 | 14s21 | 0s39 | 7s45 | 17s15 | 1n50 | 1n 9 | 26s25 | 17n39 | 5s45 |
| S 2 | 17 8 | 22 40 | 3 55 | 22 1 | 1 25 | 24 6 | 1 16 | 20 15 | 1 45 | 19 27 | 0 37 | 21 48 | 1 25 | 18 59 | 0 13 | 14 21 | 0 39 | 7 45 | 17 14 | 1 47 | 1 7 | 26 24 | 17 38 | 5 46 |
| M 3 | 17 25 | 26 23 | 4 37 | 21 36 | 1 9 | 24 15 | 1 18 | 20 2 | 1 44 | 19 30 | 0 37 | 21 48 | 1 25 | 18 58 | 0 13 | 14 20 | 0 39 | 7 45 | 17 14 | 1 45 | 1 6 | 26 22 | 17 38 | 5 46 |
| T 4 | 17 42 | 28 23 | 5 2 | 21 9 | 0 51 | 24 24 | 1 20 | 19 50 | 1 43 | 19 33 | 0 36 | 21 47 | 1 25 | 18 57 | 0 13 | 14 20 | 0 39 | 7 46 | 17 14 | 1 42 | 1 5 | 26 21 | 17 37 | 5 47 |
| W 5 | 17 58 | 28 24 | 5 7 | 20 37 | 0 32 | 24 32 | 1 22 | 19 37 | 1 41 | 19 36 | 0 36 | 21 47 | 1 25 | 18 57 | 0 13 | 14 20 | 0 39 | 7 46 | 17 14 | 1 39 | 1 3 | 26 20 | 17 37 | 5 47 |
| T 6 | 18 14 | 26 27 | 4 52 | 20 3 | 0 12 | 24 39 | 1 25 | 19 24 | 1 40 | 19 39 | 0 36 | 21 47 | 1 25 | 18 56 | 0 13 | 14 20 | 0 39 | 7 46 | 17 14 | 1 37 | 1 2 | 26 18 | 17 36 | 5 47 |
| F 7 | 18 30 | 22 48 | 4 19 | 19 26 | 0n 8 | 24 46 | 1 27 | 19 11 | 1 38 | 19 42 | 0 36 | 21 47 | 1 25 | 18 56 | 0 13 | 14 20 | 0 39 | 7 46 | 17 13 | 1 36 | 1 1 | 26 17 | 17 36 | 5 48 |
| S 8 | 18 45 | 17 52 | 3 30 | 18 47 | 0 29 | 24 51 | 1 29 | 18 58 | 1 37 | 19 45 | 0 36 | 21 46 | 1 25 | 18 55 | 0 13 | 14 20 | 0 39 | 7 46 | 17 13 | 1 35 | 1 0 | 26 15 | 17 35 | 5 48 |
| S 9 | 19 0 | 12 5 | 2 30 | 18 7 | 0 49 | 24 57 | 1 31 | 18 44 | 1 36 | 19 48 | 0 36 | 21 46 | 1 25 | 18 54 | 0 13 | 14 20 | 0 39 | 7 46 | 17 13 | 1 35 | 0 58 | 26 14 | 17 35 | 5 48 |
| M10 | 19 15 | 5 49 | 1 22 | 17 28 | 1 9 | 25 1 | 1 32 | 18 31 | 1 34 | 19 51 | 0 36 | 21 46 | 1 25 | 18 54 | 0 13 | 14 20 | 0 39 | 7 46 | 17 13 | 1 36 | 0 57 | 26 12 | 17 34 | 5 49 |
| T 11 | 19 29 | 0s37 | 0 11 | 16 51 | 1 27 | 25 4 | 1 34 | 18 17 | 1 33 | 19 53 | 0 36 | 21 45 | 1 25 | 18 53 | 0 13 | 14 19 | 0 39 | 7 47 | 17 13 | 1 36 | 0 56 | 26 11 | 17 34 | 5 49 |
| W12 | 19 43 | 6 55 | 1s 0 | 16 16 | 1 43 | 25 7 | 1 36 | 18 3 | 1 31 | 19 56 | 0 36 | 21 45 | 1 25 | 18 53 | 0 13 | 14 19 | 0 39 | 7 47 | 17 12 | 1 36 | 0 55 | 26 9 | 17 33 | 5 49 |
| T 13 | 19 57 | 12 50 | 2 6 | 15 45 | 1 58 | 25 9 | 1 38 | 17 49 | 1 30 | 19 59 | 0 36 | 21 45 | 1 25 | 18 52 | 0 13 | 14 19 | 0 39 | 7 47 | 17 12 | 1 35 | 0 53 | 26 8 | 17 33 | 5 50 |
| F 14 | 20 10 | 18 7 | 3 5 | 15 18 | 2 10 | 25 11 | 1 39 | 17 35 | 1 29 | 20 2 | 0 36 | 21 45 | 1 25 | 18 51 | 0 13 | 14 19 | 0 39 | 7 47 | 17 12 | 1 32 | 0 52 | 26 6 | 17 32 | 5 50 |
| S 15 | 20 23 | 22 31 | 3 53 | 14 57 | 2 20 | 25 11 | 1 41 | 17 20 | 1 27 | 20 5 | 0 35 | 21 44 | 1 24 | 18 51 | 0 13 | 14 19 | 0 39 | 7 47 | 17 12 | 1 29 | 0 51 | 26 5 | 17 32 | 5 50 |
| S 16 | 20 35 | 25 50 | 4 30 | 14 40 | 2 28 | 25 11 | 1 43 | 17 6 | 1 26 | 20 7 | 0 35 | 21 44 | 1 24 | 18 50 | 0 13 | 14 18 | 0 39 | 7 47 | 17 11 | 1 25 | 0 50 | 26 3 | 17 31 | 5 51 |
| M17 | 20 48 | 27 53 | 4 53 | 14 28 | 2 34 | 25 10 | 1 44 | 16 51 | 1 24 | 20 10 | 0 35 | 21 44 | 1 24 | 18 50 | 0 13 | 14 18 | 0 39 | 7 47 | 17 11 | 1 20 | 0 48 | 26 1 | 17 31 | 5 51 |
| T 18 | 20 59 | 28 34 | 5 3 | 14 22 | 2 39 | 25 8 | 1 45 | 16 37 | 1 23 | 20 13 | 0 35 | 21 43 | 1 24 | 18 49 | 0 13 | 14 18 | 0 39 | 7 47 | 17 11 | 1 16 | 0 47 | 26 0 | 17 30 | 5 51 |
| W19 | 21 11 | 27 53 | 4 59 | 14 20 | 2 41 | 25 6 | 1 47 | 16 22 | 1 22 | 20 16 | 0 35 | 21 43 | 1 24 | 18 48 | 0 13 | 14 18 | 0 39 | 7 47 | 17 11 | 1 11 | 0 46 | 25 58 | 17 30 | 5 52 |
| T 20 | 21 22 | 25 55 | 4 42 | 14 23 | 2 42 | 25 2 | 1 48 | 16 7 | 1 20 | 20 18 | 0 35 | 21 43 | 1 24 | 18 48 | 0 13 | 14 17 | 0 39 | 7 47 | 17 10 | 1 7 | 0 44 | 25 57 | 17 29 | 5 52 |
| F 21 | 21 32 | 22 50 | 4 13 | 14 29 | 2 41 | 24 58 | 1 49 | 15 51 | 1 19 | 20 21 | 0 35 | 21 42 | 1 24 | 18 47 | 0 13 | 14 17 | 0 39 | 7 47 | 17 10 | 1 4 | 0 43 | 25 55 | 17 29 | 5 52 |
| S 22 | 21 42 | 18 49 | 3 33 | 14 39 | 2 39 | 24 54 | 1 50 | 15 36 | 1 18 | 20 24 | 0 35 | 21 42 | 1 24 | 18 47 | 0 13 | 14 17 | 0 39 | 7 47 | 17 10 | 1 3 | 0 42 | 25 54 | 17 28 | 5 52 |
| S 23 | 21 52 | 14 2 | 2 44 | 14 52 | 2 36 | 24 48 | 1 51 | 15 21 | 1 16 | 20 26 | 0 35 | 21 42 | 1 24 | 18 46 | 0 13 | 14 17 | 0 39 | 7 47 | 17 10 | 1 2 | 0 41 | 25 52 | 17 28 | 5 53 |
| M24 | 22 1 | 8 40 | 1 46 | 15 7 | 2 33 | 24 42 | 1 52 | 15 5 | 1 15 | 20 29 | 0 35 | 21 41 | 1 24 | 18 45 | 0 13 | 14 16 | 0 39 | 7 47 | 17 9 | 1 2 | 0 39 | 25 50 | 17 28 | 5 53 |
| T 25 | 22 10 | 2 51 | 0 43 | 15 25 | 2 28 | 24 35 | 1 53 | 14 50 | 1 14 | 20 31 | 0 35 | 21 41 | 1 24 | 18 45 | 0 13 | 14 16 | 0 39 | 7 47 | 17 9 | 1 2 | 0 38 | 25 49 | 17 27 | 5 53 |
| W26 | 22 18 | 3n13 | 0n24 | 15 44 | 2 23 | 24 27 | 1 54 | 14 34 | 1 12 | 20 34 | 0 35 | 21 41 | 1 24 | 18 44 | 0 13 | 14 16 | 0 39 | 7 47 | 17 9 | 1 2 | 0 37 | 25 47 | 17 27 | 5 53 |
| T 27 | 22 26 | 9 21 | 1 32 | 16 5 | 2 17 | 24 19 | 1 55 | 14 18 | 1 11 | 20 36 | 0 35 | 21 41 | 1 24 | 18 44 | 0 13 | 14 15 | 0 39 | 7 47 | 17 8 | 1 1 | 0 36 | 25 46 | 17 26 | 5 53 |
| F 28 | 22 34 | 15 17 | 2 37 | 16 27 | 2 11 | 24 9 | 1 56 | 14 2 | 1 10 | 20 39 | 0 35 | 21 40 | 1 24 | 18 43 | 0 13 | 14 15 | 0 39 | 7 47 | 17 8 | 1 0 | 0 34 | 25 44 | 17 26 | 5 54 |
| S 29 | 22 41 | 20 39 | 3 35 | 16 49 | 2 4 | 23 59 | 1 56 | 13 46 | 1 8 | 20 41 | 0 34 | 21 40 | 1 24 | 18 43 | 0 13 | 14 15 | 0 39 | 7 47 | 17 8 | 0 57 | 0 33 | 25 42 | 17 26 | 5 54 |
| S 30 | 22s47 | 24n58 | 4n21 | 17s13 | 1n57 | 23s49 | 1s57 | 13s30 | 1s 7 | 20s44 | 0n34 | 21n40 | 1s24 | 18n42 | 0s13 | 14s14 | 0s39 | 7s47 | 17s 7 | 0n54 | 0n32 | 25s41 | 17n25 | 5s54 |

Julian Day Number = 2215910.5, Delta T = 09m02s
Ecliptic obliquity = 23°31'32, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'29, Lahiri = 14°51'29 Julian Calendar 1 Nov. 1354 == Greg. Calendar 9 Nov. 1354


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# ASTRODIENST EPHEMERIS for the year 1354
# geocentric

## DECEMBER 1354 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 10 6 | 17♐ 2'08 | 17♊ 9 | 26♏19 | 22♑ 8 | 28♒ 4 | 5♐42 | 18°R39 | 24°R15 | 23♒50 | 20°R39 | 2°R 4 | 1♈17 | 25♑51 | 22°R24 | M 1 |
| T 2 | 5 14 3 | 18° 3'15 | 2♋12 | 27°33 | 23°21 | 28°47 | 5°56 | 18♊34 | 24♉12 | 23°51 | 20♈38 | 1♈52 | 1°13 | 25°57 | 22♊20 | T 2 |
| W 3 | 5 17 59 | 19° 4'22 | 17°17 | 28°49 | 24°35 | 29°31 | 6° 9 | 18°29 | 24°10 | 23°53 | 20°38 | 1°41 | 1°10 | 26° 4 | 22°16 | W 3 |
| T 4 | 5 21 56 | 20° 5'30 | 2♌16 | 0♐ 7 | 25°48 | 0♓14 | 6°22 | 18°24 | 24° 8 | 23°54 | 20°37 | 1°32 | 1° 7 | 26°11 | 22°12 | T 4 |
| F 5 | 5 25 52 | 21° 6'39 | 16°58 | 1°27 | 27° 1 | 0°58 | 6°36 | 18°19 | 24° 6 | 23°55 | 20°37 | 1°26 | 1° 4 | 26°18 | 22° 8 | F 5 |
| S 6 | 5 29 49 | 22° 7'48 | 1♍21 | 2°48 | 28°14 | 1°42 | 6°49 | 18°14 | 24° 4 | 23°56 | 20°36 | 1°23 | 1° 1 | 26°24 | 22° 4 | S 6 |
| S 7 | 5 33 46 | 23° 8'58 | 15°20 | 4°10 | 29°27 | 2°25 | 7° 2 | 18° 9 | 24° 2 | 23°58 | 20°36 | 1°21 | 0°57 | 26°31 | 22° 1 | S 7 |
| M 8 | 5 37 42 | 24°10'08 | 28°56 | 5°33 | 0♒41 | 3° 9 | 7°16 | 18° 4 | 23°59 | 23°59 | 20°36 | 1°21 | 0°54 | 26°38 | 21°57 | M 8 |
| T 9 | 5 41 39 | 25°11'19 | 12♎13 | 6°57 | 1°54 | 3°53 | 7°29 | 17°59 | 23°57 | 24° 0 | 20°35 | 1°21 | 0°51 | 26°44 | 21°53 | T 9 |
| W10 | 5 45 35 | 26°12'30 | 25°12 | 8°22 | 3° 7 | 4°36 | 7°42 | 17°54 | 23°55 | 24° 2 | 20°35 | 1°19 | 0°48 | 26°51 | 21°49 | W10 |
| T 11 | 5 49 32 | 27°13'42 | 7♏56 | 9°48 | 4°20 | 5°20 | 7°55 | 17°50 | 23°53 | 24° 3 | 20°34 | 1°15 | 0°45 | 26°58 | 21°45 | T 11 |
| F 12 | 5 53 28 | 28°14'55 | 20°28 | 11°14 | 5°32 | 6° 3 | 8° 9 | 17°45 | 23°51 | 24° 5 | 20°34 | 1° 8 | 0°42 | 27° 4 | 21°41 | F 12 |
| S 13 | 5 57 25 | 29°16'07 | 2♐51 | 12°42 | 6°45 | 6°47 | 8°22 | 17°40 | 23°49 | 24° 6 | 20°34 | 0°57 | 0°38 | 27°11 | 21°37 | S 13 |
| S 14 | 6 1 21 | 0♑17'20 | 15° 5 | 14° 9 | 7°58 | 7°31 | 8°35 | 17°35 | 23°48 | 24° 8 | 20°33 | 0°44 | 0°35 | 27°18 | 21°33 | S 14 |
| M15 | 6 5 18 | 1°18'33 | 27°12 | 15°38 | 9°11 | 8°14 | 8°48 | 17°30 | 23°46 | 24° 9 | 20°33 | 0°29 | 0°32 | 27°25 | 21°29 | M15 |
| T 16 | 6 9 15 | 2°19'47 | 9♑12 | 17° 6 | 10°23 | 8°58 | 9° 1 | 17°25 | 23°44 | 24°11 | 20°33 | 0°14 | 0°29 | 27°31 | 21°25 | T 16 |
| W17 | 6 13 11 | 3°21'00 | 21° 8 | 18°36 | 11°36 | 9°42 | 9°14 | 17°21 | 23°42 | 24°12 | 20°33 | 29♓59 | 0°26 | 27°38 | 21°22 | W17 |
| T 18 | 6 17 8 | 4°22'13 | 2♒59 | 20° 6 | 12°49 | 10°25 | 9°27 | 17°16 | 23°40 | 24°14 | 20°32 | 29°47 | 0°23 | 27°45 | 21°18 | T 18 |
| F 19 | 6 21 4 | 5°23'25 | 14°48 | 21°36 | 14° 1 | 11° 9 | 9°40 | 17°12 | 23°39 | 24°16 | 20°32 | 29°37 | 0°19 | 27°51 | 21°14 | F 19 |
| S 20 | 6 25 1 | 6°24'38 | 26°38 | 23° 7 | 15°14 | 11°53 | 9°53 | 17° 7 | 23°37 | 24°17 | 20°32 | 29°30 | 0°16 | 27°58 | 21°10 | S 20 |
| S 21 | 6 28 57 | 7°25'50 | 8♓31 | 24°38 | 16°26 | 12°36 | 10° 6 | 17° 2 | 23°35 | 24°19 | 20°32 | 29°26 | 0°13 | 28° 5 | 21° 7 | S 21 |
| M22 | 6 32 54 | 8°27'01 | 20°34 | 26° 9 | 17°38 | 13°20 | 10°18 | 16°58 | 23°34 | 24°21 | 20°32 | 29°24 | 0°10 | 28°12 | 21° 3 | M22 |
| T 23 | 6 36 51 | 9°28'12 | 2♈49 | 27°41 | 18°50 | 14° 3 | 10°31 | 16°54 | 23°32 | 24°22 | 20°32 | 29°24 | 0° 7 | 28°18 | 20°59 | T 23 |
| W24 | 6 40 47 | 10°29'22 | 15°23 | 29°14 | 20° 2 | 14°47 | 10°44 | 16°49 | 23°31 | 24°24 | 20°32 | 29°24 | 0° 3 | 28°25 | 20°55 | W24 |
| T 25 | 6 44 44 | 11°30'32 | 28°21 | 0♑47 | 21°14 | 15°30 | 10°56 | 16°45 | 23°29 | 24°26 | 20°31 | 29°23 | 0° 0 | 28°32 | 20°52 | T 25 |
| F 26 | 6 48 40 | 12°31'41 | 11♉47 | 2°20 | 22°26 | 16°14 | 11° 9 | 16°41 | 23°28 | 24°28 | 20°31 | 29°20 | 29♓57 | 28°38 | 20°48 | F 26 |
| S 27 | 6 52 37 | 13°32'50 | 25°44 | 3°54 | 23°38 | 16°58 | 11°22 | 16°37 | 23°26 | 24°29 | 20°D31 | 29°14 | 29°54 | 28°45 | 20°45 | S 27 |
| S 28 | 6 56 33 | 14°33'58 | 10♊11 | 5°28 | 24°50 | 17°41 | 11°34 | 16°32 | 23°25 | 24°31 | 20°31 | 29° 6 | 29°51 | 28°52 | 20°41 | S 28 |
| M29 | 7 0 30 | 15°35'05 | 25° 4 | 7° 3 | 26° 2 | 18°25 | 11°46 | 16°28 | 23°24 | 24°33 | 20°31 | 28°56 | 29°48 | 28°59 | 20°38 | M29 |
| T 30 | 7 4 26 | 16°36'12 | 10♋16 | 8°38 | 27°13 | 19° 8 | 11°59 | 16°24 | 23°23 | 24°35 | 20°32 | 28°45 | 29°44 | 29° 5 | 20°34 | T 30 |
| W31 | 7 8 23 | 17♑37'18 | 25♋36 | 10♑14 | 28♒25 | 19♓51 | 12♐11 | 16♊21 | 23♉21 | 24♒37 | 20♈32 | 28♓34 | 29♓41 | 29♑12 | 20♊31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s53 | 27n43 | 4n51 | 17s37 | 1n50 | 23s38 | 1s57 | 13s13 | 1s 6 | 20s46 | 0n34 | 21n39 | 1s23 | 18n42 | 0s13 | 14s14 | 0s39 | 7s47 | 17s 7 | 0n49 | 0n31 | 25s39 | 17n25 | 5s54 |
| T 2 | 22 59 | 28 31 | 5 1 | 18 1 | 1 43 | 23 26 | 1 57 | 12 57 | 1 5 | 20 49 | 0 34 | 21 39 | 1 23 | 18 41 | 0 13 | 14 13 | 0 39 | 7 47 | 17 7 | 0 45 | 0 29 | 25 37 | 17 24 | 5 54 |
| W 3 | 23 4 | 27 11 | 4 50 | 18 25 | 1 35 | 23 13 | 1 58 | 12 40 | 1 3 | 20 51 | 0 34 | 21 39 | 1 23 | 18 40 | 0 13 | 14 13 | 0 39 | 7 47 | 17 7 | 0 40 | 0 28 | 25 36 | 17 24 | 5 54 |
| T 4 | 23 9 | 23 56 | 4 19 | 18 49 | 1 27 | 22 59 | 1 58 | 12 24 | 1 2 | 20 53 | 0 34 | 21 38 | 1 23 | 18 40 | 0 13 | 14 13 | 0 39 | 7 46 | 17 6 | 0 37 | 0 27 | 25 34 | 17 24 | 5 55 |
| F 5 | 23 14 | 19 10 | 3 31 | 19 13 | 1 20 | 22 45 | 1 58 | 12 7 | 1 1 | 20 56 | 0 34 | 21 38 | 1 23 | 18 39 | 0 13 | 14 12 | 0 39 | 7 46 | 17 6 | 0 34 | 0 25 | 25 32 | 17 23 | 5 55 |
| S 6 | 23 17 | 13 24 | 2 31 | 19 37 | 1 12 | 22 31 | 1 58 | 11 50 | 1 0 | 20 58 | 0 34 | 21 38 | 1 23 | 18 39 | 0 13 | 14 12 | 0 39 | 7 46 | 17 6 | 0 33 | 0 24 | 25 31 | 17 23 | 5 55 |
| S 7 | 23 21 | 7 5 | 1 24 | 20 0 | 1 4 | 22 15 | 1 58 | 11 33 | 0 58 | 21 0 | 0 34 | 21 37 | 1 23 | 18 38 | 0 13 | 14 11 | 0 39 | 7 46 | 17 5 | 0 32 | 0 23 | 25 29 | 17 23 | 5 55 |
| M 8 | 23 24 | 0 37 | 0 13 | 20 23 | 0 56 | 22 0 | 1 58 | 11 16 | 0 57 | 21 3 | 0 34 | 21 37 | 1 23 | 18 38 | 0 13 | 14 11 | 0 39 | 7 46 | 17 5 | 0 32 | 0 22 | 25 27 | 17 22 | 5 55 |
| T 9 | 23 26 | 5s43 | 0s57 | 20 45 | 0 48 | 21 43 | 1 57 | 10 59 | 0 56 | 21 5 | 0 34 | 21 37 | 1 23 | 18 37 | 0 13 | 14 10 | 0 39 | 7 46 | 17 5 | 0 32 | 0 20 | 25 26 | 17 22 | 5 55 |
| W10 | 23 28 | 11 41 | 2 2 | 21 7 | 0 40 | 21 26 | 1 57 | 10 42 | 0 55 | 21 7 | 0 34 | 21 36 | 1 22 | 18 37 | 0 13 | 14 10 | 0 39 | 7 46 | 17 4 | 0 32 | 0 19 | 25 24 | 17 22 | 5 55 |
| T 11 | 23 30 | 17 2 | 3 0 | 21 28 | 0 33 | 21 8 | 1 57 | 10 25 | 0 53 | 21 9 | 0 34 | 21 36 | 1 22 | 18 36 | 0 13 | 14 9 | 0 39 | 7 45 | 17 4 | 0 30 | 0 18 | 25 22 | 17 22 | 5 55 |
| F 12 | 23 31 | 21 35 | 3 48 | 21 48 | 0 25 | 20 50 | 1 56 | 10 8 | 0 52 | 21 11 | 0 34 | 21 36 | 1 22 | 18 36 | 0 13 | 14 9 | 0 39 | 7 45 | 17 4 | 0 27 | 0 17 | 25 20 | 17 21 | 5 55 |
| S 13 | 23 31 | 25 7 | 4 24 | 22 7 | 0 17 | 20 31 | 1 55 | 9 51 | 0 51 | 21 14 | 0 34 | 21 35 | 1 22 | 18 35 | 0 13 | 14 8 | 0 39 | 7 45 | 17 3 | 0 23 | 0 15 | 25 19 | 17 21 | 5 55 |
| S 14 | 23 32 | 27 27 | 4 48 | 22 25 | 0 10 | 20 11 | 1 55 | 9 33 | 0 50 | 21 16 | 0 34 | 21 35 | 1 22 | 18 35 | 0 13 | 14 8 | 0 39 | 7 45 | 17 3 | 0 18 | 0 14 | 25 17 | 17 21 | 5 55 |
| M15 | 23 31 | 28 28 | 4 58 | 22 42 | 0 2 | 19 51 | 1 54 | 9 16 | 0 49 | 21 18 | 0 34 | 21 35 | 1 22 | 18 35 | 0 13 | 14 7 | 0 39 | 7 45 | 17 2 | 0 12 | 0 13 | 25 15 | 17 20 | 5 55 |
| T 16 | 23 30 | 28 7 | 4 55 | 22 59 | 0s 5 | 19 31 | 1 53 | 8 58 | 0 47 | 21 20 | 0 33 | 21 34 | 1 22 | 18 34 | 0 13 | 14 7 | 0 39 | 7 44 | 17 2 | 0 6 | 0 12 | 25 13 | 17 20 | 5 55 |
| W17 | 23 29 | 26 27 | 4 39 | 23 14 | 0 12 | 19 9 | 1 52 | 8 41 | 0 46 | 21 22 | 0 33 | 21 34 | 1 22 | 18 34 | 0 13 | 14 6 | 0 39 | 7 44 | 17 2 | 0s 0 | 0 10 | 25 12 | 17 20 | 5 55 |
| T 18 | 23 27 | 23 38 | 4 11 | 23 28 | 0 19 | 18 48 | 1 51 | 8 23 | 0 45 | 21 24 | 0 33 | 21 34 | 1 21 | 18 33 | 0 13 | 14 6 | 0 39 | 7 44 | 17 1 | 0 5 | 0 9 | 25 10 | 17 20 | 5 55 |
| F 19 | 23 25 | 19 50 | 3 32 | 23 41 | 0 26 | 18 26 | 1 50 | 8 5 | 0 44 | 21 26 | 0 33 | 21 34 | 1 21 | 18 33 | 0 13 | 14 5 | 0 39 | 7 44 | 17 1 | 0 9 | 0 8 | 25 8 | 17 20 | 5 55 |
| S 20 | 23 22 | 15 15 | 2 44 | 23 53 | 0 33 | 18 3 | 1 48 | 7 47 | 0 43 | 21 28 | 0 33 | 21 33 | 1 21 | 18 32 | 0 13 | 14 5 | 0 39 | 7 43 | 17 1 | 0 12 | 0 6 | 25 6 | 17 19 | 5 55 |
| S 21 | 23 19 | 10 4 | 1 48 | 24 4 | 0 39 | 17 40 | 1 47 | 7 30 | 0 42 | 21 30 | 0 33 | 21 33 | 1 21 | 18 32 | 0 13 | 14 4 | 0 39 | 7 43 | 17 0 | 0 14 | 0 5 | 25 5 | 17 19 | 5 55 |
| M22 | 23 15 | 4 28 | 0 47 | 24 14 | 0 46 | 17 16 | 1 45 | 7 12 | 0 40 | 21 32 | 0 33 | 21 33 | 1 21 | 18 32 | 0 13 | 14 4 | 0 38 | 7 43 | 17 0 | 0 14 | 0 4 | 25 3 | 17 19 | 5 55 |
| T 23 | 23 11 | 1n24 | 0n18 | 24 22 | 0 52 | 16 52 | 1 44 | 6 54 | 0 39 | 21 33 | 0 33 | 21 32 | 1 21 | 18 31 | 0 13 | 14 3 | 0 38 | 7 42 | 17 0 | 0 14 | 0 3 | 25 1 | 17 19 | 5 55 |
| W24 | 23 7 | 7 22 | 1 24 | 24 29 | 0 58 | 16 28 | 1 42 | 6 36 | 0 38 | 21 35 | 0 33 | 21 32 | 1 20 | 18 31 | 0 13 | 14 2 | 0 38 | 7 42 | 16 59 | 0 14 | 0 1 | 24 59 | 17 19 | 5 55 |
| T 25 | 23 1 | 13 13 | 2 27 | 24 35 | 1 4 | 16 3 | 1 40 | 6 18 | 0 37 | 21 37 | 0 33 | 21 32 | 1 20 | 18 31 | 0 13 | 14 2 | 0 38 | 7 42 | 16 59 | 0 15 | 0 0 | 24 57 | 17 18 | 5 55 |
| F 26 | 22 56 | 18 40 | 3 24 | 24 40 | 1 10 | 15 38 | 1 38 | 6 0 | 0 36 | 21 39 | 0 33 | 21 32 | 1 20 | 18 30 | 0 12 | 14 1 | 0 38 | 7 42 | 16 59 | 0 16 | 0s 1 | 24 56 | 17 18 | 5 55 |
| S 27 | 22 50 | 23 20 | 4 12 | 24 43 | 1 15 | 15 12 | 1 36 | 5 42 | 0 35 | 21 41 | 0 33 | 21 31 | 1 20 | 18 30 | 0 12 | 14 1 | 0 38 | 7 41 | 16 58 | 0 18 | 0 2 | 24 54 | 17 18 | 5 55 |
| S 28 | 22 44 | 26 45 | 4 45 | 24 45 | 1 20 | 14 46 | 1 34 | 5 24 | 0 34 | 21 42 | 0 33 | 21 31 | 1 20 | 18 30 | 0 12 | 14 0 | 0 38 | 7 41 | 16 58 | 0 21 | 0 4 | 24 52 | 17 18 | 5 55 |
| M29 | 22 37 | 28 26 | 5 1 | 24 45 | 1 25 | 14 20 | 1 32 | 5 6 | 0 33 | 21 44 | 0 33 | 21 31 | 1 20 | 18 29 | 0 12 | 13 59 | 0 38 | 7 41 | 16 57 | 0 26 | 0 5 | 24 50 | 17 18 | 5 55 |
| T 30 | 22 29 | 28 2 | 4 55 | 24 44 | 1 30 | 13 53 | 1 30 | 4 48 | 0 32 | 21 46 | 0 33 | 21 31 | 1 19 | 18 29 | 0 12 | 13 59 | 0 38 | 7 40 | 16 57 | 0 30 | 0 6 | 24 48 | 17 18 | 5 54 |
| W31 | 22s22 | 25n30 | 4n29 | 24s42 | 1s34 | 13s26 | 1s27 | 4s30 | 0s30 | 21s48 | 0n33 | 21n30 | 1s19 | 18n29 | 0s12 | 13s58 | 0s38 | 7s40 | 16s57 | 0s34 | 0s 7 | 24s46 | 17n18 | 5s54 |

Julian Day Number = 2215940.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'33, Lahiri = 14°51'33 Julian Calendar 1 Dec. 1354 == Greg. Calendar 9 Dec. 1354


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## JANUARY 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 12 20 | 18♉38'23 | 10♌53 | 11♉50 | 29♒36 | 20♓35 | 12♐23 | 16°R17 | 23°R20 | 24♒39 | 20♈32 | 28°R25 | 29♓38 | 29♉19 | 20°R28 | T 1 |
| F 2 | 7 16 16 | 19°39'28 | 25°56 | 13°27 | 0♓47 | 21°18 | 12°35 | 16♊13 | 23♋19 | 24°41 | 20°32 | 28♓19 | 29°35 | 29°25 | 20♊24 | F 2 |
| S 3 | 7 20 13 | 20°40'32 | 10♍36 | 15° 5 | 1°58 | 22° 2 | 12°48 | 16° 9 | 23°18 | 24°43 | 20°32 | 28°15 | 29°32 | 29°32 | 20°21 | S 3 |
| S 4 | 7 24 9 | 21°41'36 | 24°50 | 16°43 | 3° 9 | 22°45 | 13° 0 | 16° 6 | 23°17 | 24°45 | 20°32 | 28°D14 | 29°29 | 29°39 | 20°18 | S 4 |
| M 5 | 7 28 6 | 22°42'39 | 8♎37 | 18°21 | 4°20 | 23°28 | 13°12 | 16° 2 | 23°16 | 24°47 | 20°32 | 28°14 | 29°25 | 29°45 | 20°15 | M 5 |
| T 6 | 7 32 2 | 23°43'42 | 21°57 | 20° 0 | 5°31 | 24°12 | 13°24 | 15°59 | 23°15 | 24°49 | 20°32 | 28°R15 | 29°22 | 29°52 | 20°12 | T 6 |
| W 7 | 7 35 59 | 24°44'45 | 4♏55 | 21°40 | 6°42 | 24°55 | 13°35 | 15°56 | 23°14 | 24°51 | 20°33 | 28°14 | 29°19 | 29°59 | 20° 9 | W 7 |
| T 8 | 7 39 55 | 25°45'47 | 17°34 | 23°21 | 7°52 | 25°38 | 13°47 | 15°52 | 23°13 | 24°53 | 20°33 | 28°12 | 29°16 | 0♒ 6 | 20° 6 | T 8 |
| F 9 | 7 43 52 | 26°46'48 | 29°57 | 25° 2 | 9° 3 | 26°22 | 13°59 | 15°49 | 23°13 | 24°55 | 20°33 | 28° 7 | 29°13 | 0°12 | 20° 3 | F 9 |
| S 10 | 7 47 49 | 27°47'49 | 12♐ 9 | 26°43 | 10°13 | 27° 5 | 14°10 | 15°46 | 23°12 | 24°57 | 20°34 | 27°59 | 29° 9 | 0°19 | 20° 0 | S 10 |
| S 11 | 7 51 45 | 28°48'48 | 24°13 | 28°26 | 11°23 | 27°48 | 14°22 | 15°43 | 23°11 | 24°59 | 20°34 | 27°49 | 29° 6 | 0°26 | 19°57 | S 11 |
| M12 | 7 55 42 | 29°49'48 | 6♑11 | 0♒ 9 | 12°33 | 28°31 | 14°33 | 15°40 | 23°11 | 25° 1 | 20°34 | 27°38 | 29° 3 | 0°32 | 19°55 | M12 |
| T 13 | 7 59 38 | 0♒50'46 | 18° 5 | 1°52 | 13°43 | 29°15 | 14°45 | 15°38 | 23°10 | 25° 3 | 20°35 | 27°26 | 29° 0 | 0°39 | 19°52 | T 13 |
| W14 | 8 3 35 | 1°51'43 | 29°56 | 3°37 | 14°53 | 29°58 | 14°56 | 15°35 | 23°10 | 25° 5 | 20°35 | 27°15 | 28°57 | 0°46 | 19°49 | W14 |
| T 15 | 8 7 31 | 2°52'39 | 11♒46 | 5°21 | 16° 2 | 0♈41 | 15° 7 | 15°32 | 23° 9 | 25° 7 | 20°35 | 27° 5 | 28°54 | 0°53 | 19°47 | T 15 |
| F 16 | 8 11 28 | 3°53'34 | 23°37 | 7° 7 | 17°12 | 1°24 | 15°19 | 15°30 | 23° 9 | 25°10 | 20°36 | 26°57 | 28°50 | 0°59 | 19°45 | F 16 |
| S 17 | 8 15 25 | 4°54'27 | 5♓31 | 8°53 | 18°21 | 2° 7 | 15°30 | 15°27 | 23° 8 | 25°12 | 20°36 | 26°52 | 28°47 | 1° 6 | 19°42 | S 17 |
| S 18 | 8 19 21 | 5°55'19 | 17°29 | 10°40 | 19°30 | 2°50 | 15°41 | 15°25 | 23° 8 | 25°14 | 20°37 | 26°50 | 28°44 | 1°13 | 19°40 | S 18 |
| M19 | 8 23 18 | 6°56'10 | 29°36 | 12°27 | 20°39 | 3°33 | 15°51 | 15°23 | 23° 8 | 25°16 | 20°37 | 26°D49 | 28°41 | 1°19 | 19°38 | M19 |
| T 20 | 8 27 14 | 7°56'59 | 11♈54 | 14°15 | 21°48 | 4°16 | 16° 2 | 15°21 | 23° 8 | 25°18 | 20°38 | 26°50 | 28°38 | 1°26 | 19°35 | T 20 |
| W21 | 8 31 11 | 8°57'47 | 24°27 | 16° 3 | 22°57 | 4°59 | 16°13 | 15°19 | 23° 8 | 25°20 | 20°38 | 26°51 | 28°35 | 1°33 | 19°33 | W21 |
| T 22 | 8 35 7 | 9°58'33 | 7♉21 | 17°51 | 24° 5 | 5°42 | 16°23 | 15°17 | 23° 8 | 25°23 | 20°39 | 26°R52 | 28°31 | 1°39 | 19°31 | T 22 |
| F 23 | 8 39 4 | 10°59'18 | 20°39 | 19°40 | 25°14 | 6°25 | 16°34 | 15°15 | 23°D 8 | 25°25 | 20°39 | 26°52 | 28°28 | 1°46 | 19°29 | F 23 |
| S 24 | 8 43 0 | 12° 0'01 | 4♊25 | 21°28 | 26°22 | 7° 8 | 16°44 | 15°14 | 23° 8 | 25°27 | 20°40 | 26°49 | 28°25 | 1°53 | 19°28 | S 24 |
| S 25 | 8 46 57 | 13° 0'42 | 18°38 | 23°17 | 27°30 | 7°51 | 16°55 | 15°12 | 23° 8 | 25°29 | 20°41 | 26°45 | 28°22 | 2° 0 | 19°26 | S 25 |
| M26 | 8 50 54 | 14° 1'22 | 3♋18 | 25° 5 | 28°37 | 8°34 | 17° 5 | 15°11 | 23° 8 | 25°32 | 20°41 | 26°40 | 28°19 | 2° 6 | 19°24 | M26 |
| T 27 | 8 54 50 | 15° 2'00 | 18°19 | 26°53 | 29°45 | 9°17 | 17°15 | 15°10 | 23° 8 | 25°34 | 20°42 | 26°33 | 28°15 | 2°13 | 19°22 | T 27 |
| W28 | 8 58 47 | 16° 2'36 | 3♌33 | 28°39 | 0♈52 | 10° 0 | 17°25 | 15° 8 | 23° 8 | 25°36 | 20°43 | 26°27 | 28°12 | 2°20 | 19°21 | W28 |
| T 29 | 9 2 43 | 17° 3'11 | 18°50 | 0♓25 | 1°59 | 10°42 | 17°35 | 15° 7 | 23° 9 | 25°38 | 20°43 | 26°22 | 28° 9 | 2°26 | 19°19 | T 29 |
| F 30 | 9 6 40 | 18° 3'44 | 3♍58 | 2° 9 | 3° 6 | 11°25 | 17°45 | 15° 6 | 23° 9 | 25°41 | 20°44 | 26°18 | 28° 6 | 2°33 | 19°18 | F 30 |
| S 31 | 9 10 36 | 19♒ 4'16 | 18♍50 | 3♓51 | 4♈12 | 12♈ 8 | 17♐54 | 15♊ 6 | 23♋ 9 | 25♒43 | 20♈45 | 26♓16 | 28♓ 3 | 2♒40 | 19♊17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s13 | 21n 8 | 3n43 | 24s38 | 1s38 | 12s59 | 1s25 | 4s12 | 0s29 | 21s49 | 0n33 | 21n30 | 1s19 | 18n28 | 0s12 | 13s57 | 0s38 | 7s39 | 16s56 | 0s38 | 0s 9 | 24s44 | 17n18 | 5s54 |
| F 2 | 22 5 | 15 28 | 2 43 | 24 32 | 1 42 | 12 31 | 1 22 | 3 54 | 0 28 | 21 51 | 0 33 | 21 30 | 1 19 | 18 28 | 0 12 | 13 57 | 0 38 | 7 39 | 16 56 | 0 40 | 0 10 | 24 43 | 17 18 | 5 54 |
| S 3 | 21 56 | 9 2 | 1 32 | 24 26 | 1 46 | 12 3 | 1 20 | 3 35 | 0 27 | 21 52 | 0 33 | 21 30 | 1 19 | 18 28 | 0 12 | 13 56 | 0 38 | 7 39 | 16 56 | 0 42 | 0 11 | 24 41 | 17 17 | 5 54 |
| S 4 | 21 46 | 2 20 | 0 18 | 24 17 | 1 49 | 11 35 | 1 17 | 3 17 | 0 26 | 21 54 | 0 33 | 21 30 | 1 18 | 18 28 | 0 12 | 13 55 | 0 38 | 7 38 | 16 55 | 0 42 | 0 13 | 24 39 | 17 17 | 5 54 |
| M 5 | 21 36 | 4s16 | 0s55 | 24 7 | 1 52 | 11 6 | 1 14 | 2 59 | 0 25 | 21 55 | 0 33 | 21 30 | 1 18 | 18 27 | 0 12 | 13 55 | 0 38 | 7 38 | 16 55 | 0 42 | 0 14 | 24 37 | 17 17 | 5 53 |
| T 6 | 21 26 | 10 29 | 2 3 | 23 56 | 1 55 | 10 37 | 1 11 | 2 41 | 0 24 | 21 57 | 0 33 | 21 29 | 1 18 | 18 27 | 0 12 | 13 54 | 0 38 | 7 37 | 16 55 | 0 42 | 0 15 | 24 35 | 17 17 | 5 53 |
| W 7 | 21 15 | 16 4 | 3 2 | 23 42 | 1 58 | 10 8 | 1 8 | 2 23 | 0 23 | 21 58 | 0 33 | 21 29 | 1 18 | 18 27 | 0 12 | 13 53 | 0 38 | 7 37 | 16 54 | 0 42 | 0 16 | 24 33 | 17 17 | 5 53 |
| T 8 | 21 4 | 20 50 | 3 51 | 23 28 | 2 0 | 9 39 | 1 5 | 2 5 | 0 22 | 22 0 | 0 33 | 21 29 | 1 18 | 18 27 | 0 12 | 13 53 | 0 38 | 7 37 | 16 54 | 0 43 | 0 18 | 24 31 | 17 17 | 5 53 |
| F 9 | 20 53 | 24 35 | 4 28 | 23 11 | 2 1 | 9 10 | 1 2 | 1 46 | 0 21 | 22 1 | 0 33 | 21 29 | 1 18 | 18 27 | 0 12 | 13 52 | 0 38 | 7 36 | 16 53 | 0 45 | 0 19 | 24 29 | 17 17 | 5 53 |
| S 10 | 20 41 | 27 9 | 4 52 | 22 54 | 2 3 | 8 40 | 0 59 | 1 28 | 0 20 | 22 3 | 0 33 | 21 29 | 1 17 | 18 27 | 0 12 | 13 51 | 0 38 | 7 36 | 16 53 | 0 48 | 0 20 | 24 27 | 17 17 | 5 52 |
| S 11 | 20 28 | 28 27 | 5 3 | 22 34 | 2 4 | 8 10 | 0 55 | 1 10 | 0 19 | 22 4 | 0 32 | 21 29 | 1 17 | 18 26 | 0 12 | 13 51 | 0 38 | 7 35 | 16 53 | 0 52 | 0 21 | 24 25 | 17 17 | 5 52 |
| M12 | 20 16 | 28 23 | 5 0 | 22 13 | 2 4 | 7 40 | 0 52 | 0 52 | 0 18 | 22 5 | 0 32 | 21 29 | 1 17 | 18 26 | 0 12 | 13 50 | 0 38 | 7 35 | 16 52 | 0 57 | 0 23 | 24 24 | 17 17 | 5 52 |
| T 13 | 20 2 | 27 0 | 4 45 | 21 50 | 2 4 | 7 10 | 0 48 | 0 34 | 0 17 | 22 7 | 0 32 | 21 29 | 1 17 | 18 26 | 0 12 | 13 49 | 0 38 | 7 34 | 16 52 | 1 1 | 0 24 | 24 22 | 17 17 | 5 52 |
| W14 | 19 49 | 24 25 | 4 16 | 21 25 | 2 4 | 6 39 | 0 44 | 0 16 | 0 16 | 22 8 | 0 32 | 21 28 | 1 17 | 18 26 | 0 12 | 13 49 | 0 38 | 7 34 | 16 52 | 1 6 | 0 25 | 24 20 | 17 18 | 5 52 |
| T 15 | 19 35 | 20 48 | 3 37 | 20 59 | 2 3 | 6 9 | 0 41 | 0n 2 | 0 15 | 22 9 | 0 32 | 21 28 | 1 16 | 18 26 | 0 12 | 13 48 | 0 38 | 7 33 | 16 51 | 1 10 | 0 27 | 24 18 | 17 18 | 5 51 |
| F 16 | 19 21 | 16 20 | 2 48 | 20 31 | 2 2 | 5 38 | 0 37 | 0 21 | 0 14 | 22 11 | 0 32 | 21 28 | 1 16 | 18 26 | 0 12 | 13 47 | 0 38 | 7 33 | 16 51 | 1 13 | 0 28 | 24 16 | 17 18 | 5 51 |
| S 17 | 19 6 | 11 15 | 1 52 | 20 2 | 2 0 | 5 8 | 0 33 | 0 39 | 0 13 | 22 12 | 0 32 | 21 28 | 1 16 | 18 26 | 0 12 | 13 46 | 0 38 | 7 32 | 16 51 | 1 15 | 0 29 | 24 14 | 17 18 | 5 51 |
| S 18 | 18 52 | 5 44 | 0 50 | 19 30 | 1 58 | 4 37 | 0 29 | 0 57 | 0 12 | 22 13 | 0 32 | 21 28 | 1 16 | 18 26 | 0 12 | 13 46 | 0 38 | 7 32 | 16 50 | 1 16 | 0 30 | 24 12 | 17 18 | 5 50 |
| M19 | 18 36 | 0n 4 | 0n15 | 18 58 | 1 55 | 4 6 | 0 25 | 1 15 | 0 11 | 22 14 | 0 32 | 21 28 | 1 15 | 18 26 | 0 12 | 13 45 | 0 38 | 7 31 | 16 50 | 1 16 | 0 32 | 24 10 | 17 18 | 5 50 |
| T 20 | 18 21 | 5 57 | 1 20 | 18 23 | 1 51 | 3 35 | 0 21 | 1 33 | 0 10 | 22 15 | 0 32 | 21 28 | 1 15 | 18 26 | 0 12 | 13 44 | 0 38 | 7 31 | 16 50 | 1 16 | 0 33 | 24 8 | 17 18 | 5 50 |
| W21 | 18 5 | 11 44 | 2 24 | 17 47 | 1 47 | 3 4 | 0 16 | 1 51 | 0 9 | 22 16 | 0 32 | 21 28 | 1 15 | 18 26 | 0 12 | 13 43 | 0 38 | 7 30 | 16 49 | 1 15 | 0 34 | 24 6 | 17 18 | 5 50 |
| T 22 | 17 49 | 17 11 | 3 21 | 17 10 | 1 43 | 2 32 | 0 12 | 2 9 | 0 9 | 22 18 | 0 32 | 21 28 | 1 15 | 18 26 | 0 12 | 13 43 | 0 38 | 7 30 | 16 49 | 1 15 | 0 35 | 24 4 | 17 18 | 5 49 |
| F 23 | 17 32 | 21 59 | 4 10 | 16 31 | 1 37 | 2 1 | 0 8 | 2 27 | 0 8 | 22 19 | 0 32 | 21 28 | 1 15 | 18 26 | 0 12 | 13 42 | 0 38 | 7 29 | 16 49 | 1 15 | 0 37 | 24 2 | 17 19 | 5 49 |
| S 24 | 17 15 | 25 47 | 4 46 | 15 50 | 1 31 | 1 30 | 0 3 | 2 44 | 0 7 | 22 20 | 0 32 | 21 28 | 1 14 | 18 26 | 0 12 | 13 41 | 0 38 | 7 29 | 16 48 | 1 16 | 0 38 | 24 0 | 17 19 | 5 49 |
| S 25 | 16 58 | 28 7 | 5 6 | 15 9 | 1 25 | 0 59 | 0n 1 | 3 2 | 0 6 | 22 21 | 0 32 | 21 28 | 1 14 | 18 26 | 0 12 | 13 40 | 0 38 | 7 28 | 16 48 | 1 18 | 0 39 | 23 58 | 17 19 | 5 48 |
| M26 | 16 41 | 28 36 | 5 7 | 14 26 | 1 18 | 0 28 | 0 6 | 3 20 | 0 5 | 22 22 | 0 32 | 21 28 | 1 14 | 18 26 | 0 12 | 13 40 | 0 38 | 7 28 | 16 48 | 1 20 | 0 40 | 23 56 | 17 19 | 5 48 |
| T 27 | 16 23 | 27 1 | 4 47 | 13 41 | 1 10 | 0n 4 | 0 11 | 3 38 | 0 4 | 22 23 | 0 32 | 21 28 | 1 14 | 18 26 | 0 12 | 13 39 | 0 39 | 7 27 | 16 47 | 1 23 | 0 42 | 23 54 | 17 19 | 5 48 |
| W28 | 16 5 | 23 26 | 4 7 | 12 56 | 1 1 | 0 35 | 0 15 | 3 55 | 0 3 | 22 24 | 0 32 | 21 29 | 1 14 | 18 26 | 0 12 | 13 38 | 0 39 | 7 27 | 16 47 | 1 25 | 0 43 | 23 52 | 17 19 | 5 47 |
| T 29 | 15 47 | 18 14 | 3 9 | 12 10 | 0 52 | 1 6 | 0 20 | 4 13 | 0 2 | 22 25 | 0 32 | 21 29 | 1 13 | 18 26 | 0 12 | 13 37 | 0 39 | 7 26 | 16 47 | 1 27 | 0 44 | 23 50 | 17 20 | 5 47 |
| F 30 | 15 28 | 11 55 | 1 58 | 11 24 | 0 42 | 1 37 | 0 25 | 4 31 | 0 1 | 22 26 | 0 32 | 21 29 | 1 13 | 18 26 | 0 12 | 13 37 | 0 39 | 7 26 | 16 46 | 1 29 | 0 46 | 23 48 | 17 20 | 5 47 |
| S 31 | 15s10 | 5n 3 | 0n40 | 10s37 | 0s31 | 2n 8 | 0n30 | 4n48 | 0s 1 | 22s26 | 0n32 | 21n29 | 1s13 | 18n26 | 0s12 | 13s36 | 0s39 | 7s25 | 16s46 | 1s29 | 0s47 | 23s46 | 17n20 | 5s46 |

Julian Day Number = 2215971.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'37, Lahiri = 14°51'37 Julian Calendar 1 Jan. 1355 == Greg. Calendar 9 Jan. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## FEBRUARY 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 14 33 | 20♒ 4'46 | 3♎17 | 5♓30 | 5♈19 | 12♈50 | 18♐ 4 | 15°R 5 | 23♉10 | 25♒45 | 20♈45 | 26°D16 | 28♓ 0 | 2♒46 | 19°R15 | S 1 |
| M 2 | 9 18 29 | 21° 5'15 | 17°16 | 7° 7 | 6°25 | 13°33 | 18°13 | 15♊ 4 | 23°10 | 25°47 | 20°46 | 26♓17 | 27°56 | 2°53 | 19♊14 | M 2 |
| T 3 | 9 22 26 | 22° 5'42 | 0♏48 | 8°40 | 7°31 | 14°16 | 18°23 | 15° 4 | 23°11 | 25°50 | 20°47 | 26°19 | 27°53 | 3° 0 | 19°13 | T 3 |
| W 4 | 9 26 22 | 23° 6'08 | 13°53 | 10° 9 | 8°36 | 14°58 | 18°32 | 15° 3 | 23°11 | 25°52 | 20°48 | 26°20 | 27°50 | 3° 6 | 19°12 | W 4 |
| T 5 | 9 30 19 | 24° 6'33 | 26°36 | 11°34 | 9°41 | 15°41 | 18°41 | 15° 3 | 23°12 | 25°54 | 20°49 | 26°R20 | 27°47 | 3°13 | 19°11 | T 5 |
| F 6 | 9 34 16 | 25° 6'57 | 9♐ 0 | 12°53 | 10°47 | 16°23 | 18°50 | 15° 3 | 23°13 | 25°56 | 20°49 | 26°20 | 27°44 | 3°20 | 19°10 | F 6 |
| S 7 | 9 38 12 | 26° 7'19 | 21° 9 | 14° 6 | 11°51 | 17° 6 | 18°59 | 15°D 3 | 23°14 | 25°59 | 20°50 | 26°17 | 27°41 | 3°27 | 19°10 | S 7 |
| S 8 | 9 42 9 | 27° 7'39 | 3♑ 9 | 15°12 | 12°56 | 17°48 | 19° 8 | 15° 3 | 23°14 | 26° 1 | 20°51 | 26°13 | 27°37 | 3°33 | 19° 9 | S 8 |
| M 9 | 9 46 5 | 28° 7'58 | 15° 2 | 16°12 | 14° 0 | 18°30 | 19°16 | 15° 3 | 23°15 | 26° 3 | 20°52 | 26° 9 | 27°34 | 3°40 | 19° 9 | M 9 |
| T 10 | 9 50 2 | 29° 8'15 | 26°52 | 17° 3 | 15° 4 | 19°13 | 19°25 | 15° 3 | 23°16 | 26° 6 | 20°53 | 26° 4 | 27°31 | 3°47 | 19° 8 | T 10 |
| W11 | 9 53 58 | 0♓ 8'31 | 8♒42 | 17°46 | 16° 7 | 19°55 | 19°33 | 15° 4 | 23°17 | 26° 8 | 20°54 | 25°59 | 27°28 | 3°53 | 19° 8 | W11 |
| T 12 | 9 57 55 | 1° 8'45 | 20°34 | 18°21 | 17°11 | 20°37 | 19°41 | 15° 4 | 23°18 | 26°10 | 20°55 | 25°55 | 27°25 | 4° 0 | 19° 7 | T 12 |
| F 13 | 10 1 52 | 2° 8'57 | 2♓30 | 18°46 | 18°14 | 21°20 | 19°49 | 15° 5 | 23°19 | 26°12 | 20°56 | 25°52 | 27°21 | 4° 7 | 19° 7 | F 13 |
| S 14 | 10 5 48 | 3° 9'07 | 14°32 | 19° 2 | 19°16 | 22° 2 | 19°57 | 15° 6 | 23°20 | 26°15 | 20°57 | 25°50 | 27°18 | 4°13 | 19° 7 | S 14 |
| S 15 | 10 9 45 | 4° 9'15 | 26°41 | 19°R 9 | 20°18 | 22°44 | 20° 5 | 15° 6 | 23°22 | 26°17 | 20°58 | 25°D49 | 27°15 | 4°20 | 19°D 7 | S 15 |
| M16 | 10 13 41 | 5° 9'21 | 8♈59 | 19° 6 | 21°20 | 23°26 | 20°13 | 15° 7 | 23°23 | 26°19 | 20°59 | 25°50 | 27°12 | 4°27 | 19° 7 | M16 |
| T 17 | 10 17 38 | 6° 9'25 | 21°29 | 18°55 | 22°22 | 24° 8 | 20°20 | 15° 8 | 23°24 | 26°21 | 21° 0 | 25°51 | 27° 9 | 4°34 | 19° 7 | T 17 |
| W18 | 10 21 34 | 7° 9'28 | 4♉12 | 18°34 | 23°23 | 24°51 | 20°28 | 15°10 | 23°25 | 26°24 | 21° 1 | 25°53 | 27° 6 | 4°40 | 19° 7 | W18 |
| T 19 | 10 25 31 | 8° 9'27 | 17°12 | 18° 6 | 24°23 | 25°33 | 20°35 | 15°11 | 23°27 | 26°26 | 21° 2 | 25°54 | 27° 2 | 4°47 | 19° 8 | T 19 |
| F 20 | 10 29 27 | 9° 9'25 | 0♊31 | 17°30 | 25°24 | 26°15 | 20°42 | 15°12 | 23°28 | 26°28 | 21° 3 | 25°55 | 26°59 | 4°54 | 19° 8 | F 20 |
| S 21 | 10 33 24 | 10° 9'21 | 14°10 | 16°47 | 26°23 | 26°57 | 20°49 | 15°14 | 23°30 | 26°30 | 21° 4 | 25°R55 | 26°56 | 5° 0 | 19° 8 | S 21 |
| S 22 | 10 37 20 | 11° 9'14 | 28°10 | 15°59 | 27°23 | 27°39 | 20°56 | 15°16 | 23°31 | 26°33 | 21° 5 | 25°54 | 26°53 | 5° 7 | 19° 9 | S 22 |
| M23 | 10 41 17 | 12° 9'05 | 12♋32 | 15° 6 | 28°22 | 28°20 | 21° 3 | 15°17 | 23°33 | 26°35 | 21° 6 | 25°53 | 26°50 | 5°14 | 19°10 | M23 |
| T 24 | 10 45 14 | 13° 8'54 | 27°11 | 14°11 | 29°20 | 29° 2 | 21° 9 | 15°19 | 23°34 | 26°37 | 21° 7 | 25°52 | 26°46 | 5°20 | 19°10 | T 24 |
| W25 | 10 49 10 | 14° 8'41 | 12♌ 4 | 13°14 | 0♉18 | 29°44 | 21°16 | 15°21 | 23°36 | 26°39 | 21° 9 | 25°50 | 26°43 | 5°27 | 19°11 | W25 |
| T 26 | 10 53 7 | 15° 8'25 | 27° 2 | 12°16 | 1°16 | 0♉26 | 21°22 | 15°23 | 23°38 | 26°41 | 21°10 | 25°49 | 26°40 | 5°34 | 19°12 | T 26 |
| F 27 | 10 57 3 | 16° 8'07 | 11♍57 | 11°19 | 2°12 | 1° 8 | 21°28 | 15°25 | 23°39 | 26°44 | 21°11 | 25°48 | 26°37 | 5°40 | 19°13 | F 27 |
| S 28 | 11 1 0 | 17♓ 7'47 | 26♍42 | 10♓24 | 3♉ 9 | 1♉50 | 21♐34 | 15♊28 | 23♉41 | 26♒46 | 21♈12 | 25°D48 | 26♓34 | 5♒47 | 19♊14 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s51 | 1s53 | 0s38 | 9s50 | 0s19 | 2n39 | 0n35 | 5n 6 | 0n 0 | 22s27 | 0n32 | 21n29 | 1s13 | 18n26 | 0s12 | 13s35 | 0s39 | 7s24 | 16s46 | 1s29 | 0s48 | 23s43 | 17n20 | 5s46 |
| M 2 | 14 31 | 8 32 | 1 52 | 9 3 | 0 7 | 3 10 | 0 40 | 5 23 | 0 1 | 22 28 | 0 32 | 21 29 | 1 12 | 18 27 | 0 12 | 13 34 | 0 39 | 7 24 | 16 45 | 1 29 | 0 49 | 23 41 | 17 21 | 5 46 |
| T 3 | 14 12 | 14 33 | 2 57 | 8 16 | 0n 6 | 3 41 | 0 45 | 5 40 | 0 2 | 22 29 | 0 32 | 21 29 | 1 12 | 18 27 | 0 12 | 13 34 | 0 39 | 7 23 | 16 45 | 1 28 | 0 51 | 23 39 | 17 21 | 5 45 |
| W 4 | 13 52 | 19 44 | 3 51 | 7 30 | 0 19 | 4 12 | 0 50 | 5 58 | 0 3 | 22 30 | 0 32 | 21 30 | 1 12 | 18 27 | 0 12 | 13 33 | 0 39 | 7 23 | 16 45 | 1 28 | 0 52 | 23 37 | 17 21 | 5 45 |
| T 5 | 13 32 | 23 52 | 4 32 | 6 45 | 0 33 | 4 42 | 0 55 | 6 15 | 0 4 | 22 31 | 0 32 | 21 30 | 1 12 | 18 27 | 0 12 | 13 32 | 0 39 | 7 22 | 16 44 | 1 28 | 0 53 | 23 35 | 17 21 | 5 45 |
| F 6 | 13 12 | 26 47 | 4 58 | 6 2 | 0 47 | 5 13 | 1 1 | 6 32 | 0 4 | 22 31 | 0 32 | 21 30 | 1 12 | 18 27 | 0 12 | 13 31 | 0 39 | 7 22 | 16 44 | 1 28 | 0 54 | 23 33 | 17 22 | 5 44 |
| S 7 | 12 51 | 28 24 | 5 11 | 5 20 | 1 2 | 5 43 | 1 6 | 6 49 | 0 5 | 22 32 | 0 32 | 21 30 | 1 11 | 18 27 | 0 12 | 13 31 | 0 39 | 7 21 | 16 44 | 1 29 | 0 56 | 23 31 | 17 22 | 5 44 |
| S 8 | 12 31 | 28 39 | 5 10 | 4 40 | 1 17 | 6 13 | 1 11 | 7 6 | 0 6 | 22 33 | 0 32 | 21 30 | 1 11 | 18 28 | 0 12 | 13 30 | 0 39 | 7 20 | 16 43 | 1 30 | 0 57 | 23 29 | 17 22 | 5 44 |
| M 9 | 12 10 | 27 34 | 4 56 | 4 4 | 1 31 | 6 43 | 1 17 | 7 23 | 0 7 | 22 34 | 0 32 | 21 31 | 1 11 | 18 28 | 0 12 | 13 29 | 0 39 | 7 20 | 16 43 | 1 32 | 0 58 | 23 27 | 17 23 | 5 43 |
| T 10 | 11 49 | 25 15 | 4 29 | 3 30 | 1 46 | 7 13 | 1 22 | 7 40 | 0 8 | 22 34 | 0 32 | 21 31 | 1 11 | 18 28 | 0 12 | 13 28 | 0 39 | 7 19 | 16 43 | 1 34 | 0 59 | 23 25 | 17 23 | 5 43 |
| W11 | 11 28 | 21 51 | 3 50 | 2 59 | 2 1 | 7 43 | 1 28 | 7 57 | 0 8 | 22 35 | 0 32 | 21 31 | 1 10 | 18 28 | 0 12 | 13 28 | 0 39 | 7 19 | 16 43 | 1 36 | 1 1 | 23 22 | 17 23 | 5 42 |
| T 12 | 11 6 | 17 33 | 3 2 | 2 33 | 2 16 | 8 12 | 1 33 | 8 13 | 0 9 | 22 36 | 0 32 | 21 31 | 1 10 | 18 29 | 0 12 | 13 27 | 0 39 | 7 18 | 16 42 | 1 38 | 1 2 | 23 20 | 17 24 | 5 42 |
| F 13 | 10 45 | 12 34 | 2 5 | 2 10 | 2 30 | 8 42 | 1 39 | 8 30 | 0 10 | 22 36 | 0 32 | 21 32 | 1 10 | 18 29 | 0 12 | 13 26 | 0 39 | 7 17 | 16 42 | 1 39 | 1 3 | 23 18 | 17 24 | 5 42 |
| S 14 | 10 23 | 7 4 | 1 2 | 1 51 | 2 43 | 9 11 | 1 45 | 8 47 | 0 11 | 22 37 | 0 32 | 21 32 | 1 10 | 18 29 | 0 12 | 13 25 | 0 39 | 7 17 | 16 42 | 1 40 | 1 5 | 23 16 | 17 24 | 5 41 |
| S 15 | 10 1 | 1 15 | 0n 5 | 1 37 | 2 55 | 9 40 | 1 50 | 9 3 | 0 11 | 22 37 | 0 32 | 21 32 | 1 10 | 18 30 | 0 12 | 13 24 | 0 39 | 7 16 | 16 41 | 1 40 | 1 6 | 23 14 | 17 25 | 5 41 |
| M16 | 9 39 | 4n41 | 1 12 | 1 28 | 3 6 | 10 8 | 1 56 | 9 19 | 0 12 | 22 38 | 0 32 | 21 33 | 1 9 | 18 30 | 0 11 | 13 24 | 0 39 | 7 16 | 16 41 | 1 40 | 1 7 | 23 12 | 17 25 | 5 41 |
| T 17 | 9 17 | 10 31 | 2 17 | 1 23 | 3 17 | 10 37 | 2 2 | 9 36 | 0 13 | 22 39 | 0 32 | 21 33 | 1 9 | 18 30 | 0 11 | 13 23 | 0 39 | 7 15 | 16 41 | 1 39 | 1 8 | 23 10 | 17 26 | 5 40 |
| W18 | 8 55 | 16 3 | 3 16 | 1 24 | 3 25 | 11 5 | 2 7 | 9 52 | 0 14 | 22 39 | 0 32 | 21 33 | 1 9 | 18 31 | 0 11 | 13 22 | 0 39 | 7 14 | 16 41 | 1 39 | 1 10 | 23 7 | 17 26 | 5 40 |
| T 19 | 8 32 | 20 58 | 4 7 | 1 28 | 3 32 | 11 33 | 2 13 | 10 8 | 0 14 | 22 40 | 0 32 | 21 34 | 1 9 | 18 31 | 0 11 | 13 21 | 0 39 | 7 14 | 16 40 | 1 38 | 1 11 | 23 5 | 17 26 | 5 39 |
| F 20 | 8 10 | 24 59 | 4 46 | 1 38 | 3 37 | 12 0 | 2 19 | 10 24 | 0 15 | 22 40 | 0 32 | 21 34 | 1 8 | 18 31 | 0 11 | 13 21 | 0 39 | 7 13 | 16 40 | 1 38 | 1 12 | 23 3 | 17 27 | 5 39 |
| S 21 | 7 47 | 27 42 | 5 10 | 1 51 | 3 40 | 12 28 | 2 25 | 10 40 | 0 16 | 22 41 | 0 32 | 21 34 | 1 8 | 18 32 | 0 11 | 13 20 | 0 39 | 7 13 | 16 40 | 1 38 | 1 13 | 23 1 | 17 27 | 5 39 |
| S 22 | 7 24 | 28 47 | 5 16 | 2 9 | 3 42 | 12 55 | 2 30 | 10 56 | 0 17 | 22 41 | 0 32 | 21 35 | 1 8 | 18 32 | 0 11 | 13 19 | 0 39 | 7 12 | 16 40 | 1 38 | 1 15 | 22 59 | 17 28 | 5 38 |
| M23 | 7 2 | 27 58 | 5 3 | 2 30 | 3 41 | 13 22 | 2 36 | 11 12 | 0 17 | 22 42 | 0 32 | 21 35 | 1 8 | 18 33 | 0 11 | 13 18 | 0 39 | 7 11 | 16 40 | 1 38 | 1 16 | 22 56 | 17 28 | 5 38 |
| T 24 | 6 39 | 25 13 | 4 30 | 2 54 | 3 38 | 13 48 | 2 42 | 11 27 | 0 18 | 22 42 | 0 32 | 21 36 | 1 8 | 18 33 | 0 11 | 13 18 | 0 39 | 7 11 | 16 39 | 1 39 | 1 17 | 22 54 | 17 28 | 5 38 |
| W25 | 6 16 | 20 45 | 3 39 | 3 20 | 3 33 | 14 14 | 2 48 | 11 43 | 0 19 | 22 43 | 0 32 | 21 36 | 1 7 | 18 33 | 0 11 | 13 17 | 0 39 | 7 10 | 16 39 | 1 40 | 1 18 | 22 52 | 17 29 | 5 37 |
| T 26 | 5 53 | 14 56 | 2 33 | 3 48 | 3 26 | 14 40 | 2 53 | 11 58 | 0 19 | 22 43 | 0 32 | 21 37 | 1 7 | 18 34 | 0 11 | 13 16 | 0 39 | 7 10 | 16 39 | 1 40 | 1 20 | 22 50 | 17 29 | 5 37 |
| F 27 | 5 29 | 8 16 | 1 16 | 4 17 | 3 18 | 15 5 | 2 59 | 12 13 | 0 20 | 22 43 | 0 32 | 21 37 | 1 7 | 18 34 | 0 11 | 13 15 | 0 39 | 7 9 | 16 39 | 1 40 | 1 21 | 22 48 | 17 30 | 5 36 |
| S 28 | 5s 6 | 1n14 | 0s 5 | 4s47 | 3n 8 | 15n30 | 3n 5 | 12n29 | 0n21 | 22s44 | 0n32 | 21n37 | 1s 7 | 18n35 | 0s11 | 13s15 | 0s39 | 7s 8 | 16s38 | 1s40 | 1s22 | 22s45 | 17n30 | 5s36 |

Julian Day Number = 2216002.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'41, Lahiri = 14°51'42 Julian Calendar 1 Feb. 1355 == Greg. Calendar 9 Feb. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## MARCH 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 4 56 | 18♓ 7'25 | 11♎ 9 | 9°R32 | 4♉ 4 | 2♉31 | 21♐40 | 15♊30 | 23♉43 | 26♒48 | 21♈13 | 25♓48 | 26♓31 | 5♒54 | 19♊15 | S 1 |
| M 2 | 11 8 53 | 19° 7'01 | 25°13 | 8♓44 | 5° 0 | 3°13 | 21°45 | 15°32 | 23°45 | 26°50 | 21°14 | 25°49 | 26°27 | 6° 1 | 19°16 | M 2 |
| T 3 | 11 12 49 | 20° 6'35 | 8♏52 | 8° 1 | 5°54 | 3°54 | 21°51 | 15°35 | 23°47 | 26°52 | 21°16 | 25°49 | 26°24 | 6° 7 | 19°18 | T 3 |
| W 4 | 11 16 46 | 21° 6'07 | 22° 6 | 7°22 | 6°48 | 4°36 | 21°56 | 15°38 | 23°49 | 26°54 | 21°17 | 25°50 | 26°21 | 6°14 | 19°19 | W 4 |
| T 5 | 11 20 43 | 22° 5'38 | 4♐55 | 6°50 | 7°41 | 5°18 | 22° 1 | 15°41 | 23°51 | 26°57 | 21°18 | 25°50 | 26°18 | 6°21 | 19°20 | T 5 |
| F 6 | 11 24 39 | 23° 5'07 | 17°24 | 6°23 | 8°34 | 5°59 | 22° 6 | 15°43 | 23°53 | 26°59 | 21°19 | 25°50 | 26°15 | 6°27 | 19°22 | F 6 |
| S 7 | 11 28 36 | 24° 4'34 | 29°37 | 6° 2 | 9°26 | 6°41 | 22°11 | 15°46 | 23°55 | 27° 1 | 21°21 | 25°R50 | 26°12 | 6°34 | 19°24 | S 7 |
| S 8 | 11 32 32 | 25° 3'59 | 11♑37 | 5°47 | 10°17 | 7°22 | 22°16 | 15°50 | 23°57 | 27° 3 | 21°22 | 25°50 | 26° 8 | 6°41 | 19°25 | S 8 |
| M 9 | 11 36 29 | 26° 3'23 | 23°30 | 5°38 | 11° 8 | 8° 3 | 22°20 | 15°53 | 23°59 | 27° 5 | 21°23 | 25°D50 | 26° 5 | 6°47 | 19°27 | M 9 |
| T 10 | 11 40 25 | 27° 2'45 | 5♒20 | 5°D34 | 11°58 | 8°45 | 22°24 | 15°56 | 24° 2 | 27° 7 | 21°24 | 25°50 | 26° 2 | 6°54 | 19°29 | T 10 |
| W11 | 11 44 22 | 28° 2'04 | 17°10 | 5°37 | 12°46 | 9°26 | 22°29 | 15°59 | 24° 4 | 27° 9 | 21°26 | 25°51 | 25°59 | 7° 1 | 19°31 | W11 |
| T 12 | 11 48 18 | 29° 1'22 | 29° 5 | 5°45 | 13°35 | 10° 7 | 22°33 | 16° 3 | 24° 6 | 27°11 | 21°27 | 25°51 | 25°56 | 7° 7 | 19°33 | T 12 |
| F 13 | 11 52 15 | 0♈ 0'38 | 11♓ 8 | 5°59 | 14°22 | 10°49 | 22°36 | 16° 7 | 24° 9 | 27°13 | 21°28 | 25°51 | 25°52 | 7°14 | 19°35 | F 13 |
| S 14 | 11 56 12 | 0°59'51 | 23°20 | 6°17 | 15° 8 | 11°30 | 22°40 | 16°10 | 24°11 | 27°15 | 21°29 | 25°R51 | 25°49 | 7°21 | 19°37 | S 14 |
| S 15 | 12 0 8 | 1°59'03 | 5♈43 | 6°41 | 15°54 | 12°11 | 22°43 | 16°14 | 24°13 | 27°17 | 21°31 | 25°51 | 25°46 | 7°28 | 19°40 | S 15 |
| M16 | 12 4 5 | 2°58'13 | 18°19 | 7° 9 | 16°38 | 12°52 | 22°47 | 16°18 | 24°16 | 27°19 | 21°32 | 25°51 | 25°43 | 7°34 | 19°42 | M16 |
| T 17 | 12 8 1 | 3°57'20 | 1♉ 8 | 7°41 | 17°22 | 13°34 | 22°50 | 16°22 | 24°18 | 27°21 | 21°33 | 25°50 | 25°40 | 7°41 | 19°44 | T 17 |
| W18 | 12 11 58 | 4°56'26 | 14°11 | 8°17 | 18° 4 | 14°15 | 22°53 | 16°26 | 24°21 | 27°23 | 21°35 | 25°49 | 25°37 | 7°48 | 19°47 | W18 |
| T 19 | 12 15 54 | 5°55'29 | 27°28 | 8°58 | 18°46 | 14°56 | 22°55 | 16°30 | 24°23 | 27°25 | 21°36 | 25°48 | 25°33 | 7°54 | 19°49 | T 19 |
| F 20 | 12 19 51 | 6°54'30 | 10♊59 | 9°42 | 19°26 | 15°37 | 22°58 | 16°34 | 24°26 | 27°26 | 21°37 | 25°47 | 25°30 | 8° 1 | 19°52 | F 20 |
| S 21 | 12 23 47 | 7°53'28 | 24°44 | 10°29 | 20° 5 | 16°18 | 23° 0 | 16°39 | 24°29 | 27°28 | 21°39 | 25°46 | 25°27 | 8° 8 | 19°55 | S 21 |
| S 22 | 12 27 44 | 8°52'25 | 8♋41 | 11°20 | 20°43 | 16°59 | 23° 2 | 16°43 | 24°31 | 27°30 | 21°40 | 25°D45 | 25°24 | 8°14 | 19°57 | S 22 |
| M23 | 12 31 41 | 9°51'18 | 22°51 | 12°14 | 21°20 | 17°40 | 23° 4 | 16°48 | 24°34 | 27°32 | 21°42 | 25°46 | 25°21 | 8°21 | 20° 0 | M23 |
| T 24 | 12 35 37 | 10°50'10 | 7♌11 | 13°12 | 21°55 | 18°21 | 23° 6 | 16°52 | 24°37 | 27°34 | 21°43 | 25°47 | 25°18 | 8°28 | 20° 3 | T 24 |
| W25 | 12 39 34 | 11°48'59 | 21°38 | 14°12 | 22°29 | 19° 1 | 23° 8 | 16°57 | 24°39 | 27°35 | 21°44 | 25°48 | 25°14 | 8°34 | 20° 6 | W25 |
| T 26 | 12 43 30 | 12°47'46 | 6♍ 9 | 15°14 | 23° 1 | 19°42 | 23° 9 | 17° 2 | 24°42 | 27°37 | 21°46 | 25°49 | 25°11 | 8°41 | 20° 9 | T 26 |
| F 27 | 12 47 27 | 13°46'30 | 20°39 | 16°19 | 23°32 | 20°23 | 23°10 | 17° 6 | 24°45 | 27°39 | 21°47 | 25°R49 | 25° 8 | 8°48 | 20°13 | F 27 |
| S 28 | 12 51 23 | 14°45'13 | 5♎ 2 | 17°27 | 24° 2 | 21° 4 | 23°11 | 17°11 | 24°48 | 27°41 | 21°48 | 25°49 | 25° 5 | 8°54 | 20°16 | S 28 |
| S 29 | 12 55 20 | 15°43'53 | 19°14 | 18°37 | 24°30 | 21°44 | 23°12 | 17°16 | 24°51 | 27°42 | 21°50 | 25°48 | 25° 2 | 9° 1 | 20°19 | S 29 |
| M30 | 12 59 16 | 16°42'31 | 3♏ 9 | 19°50 | 24°56 | 22°25 | 23°13 | 17°21 | 24°54 | 27°44 | 21°51 | 25°46 | 24°58 | 9° 8 | 20°22 | M30 |
| T 31 | 13 3 13 | 17♈41'08 | 16♏44 | 21♓ 5 | 25♉21 | 23♉ 6 | 23♐13 | 17♊27 | 24♉57 | 27♒46 | 21♈53 | 25♓43 | 24♓55 | 9♒15 | 20♊26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s43 | 5s43 | 1s24 | 5s17 | 2n57 | 15n55 | 3n11 | 12n44 | 0n21 | 22s44 | 0n32 | 21n38 | 1s 6 | 18n35 | 0s11 | 13s14 | 0s39 | 7s 8 | 16s38 | 1s40 | 1s24 | 22s43 | 17n31 | 5s36 |
| M 2 | 4 19 | 12 13 | 2 36 | 5 47 | 2 44 | 16 19 | 3 17 | 12 59 | 0 22 | 22 44 | 0 32 | 21 38 | 1 6 | 18 36 | 0 11 | 13 13 | 0 39 | 7 7 | 16 38 | 1 40 | 1 25 | 22 41 | 17 31 | 5 35 |
| T 3 | 3 56 | 17 56 | 3 37 | 6 16 | 2 31 | 16 43 | 3 22 | 13 13 | 0 23 | 22 45 | 0 32 | 21 39 | 1 6 | 18 36 | 0 11 | 13 13 | 0 39 | 7 6 | 16 38 | 1 40 | 1 26 | 22 39 | 17 32 | 5 35 |
| W 4 | 3 32 | 22 36 | 4 24 | 6 43 | 2 17 | 17 6 | 3 28 | 13 28 | 0 23 | 22 45 | 0 32 | 21 39 | 1 6 | 18 37 | 0 11 | 13 12 | 0 39 | 7 6 | 16 38 | 1 40 | 1 27 | 22 36 | 17 32 | 5 34 |
| T 5 | 3 9 | 26 3 | 4 57 | 7 9 | 2 2 | 17 29 | 3 34 | 13 43 | 0 24 | 22 45 | 0 32 | 21 40 | 1 6 | 18 37 | 0 11 | 13 11 | 0 39 | 7 5 | 16 37 | 1 40 | 1 29 | 22 34 | 17 33 | 5 34 |
| F 6 | 2 45 | 28 8 | 5 14 | 7 33 | 1 47 | 17 52 | 3 39 | 13 57 | 0 25 | 22 46 | 0 32 | 21 40 | 1 5 | 18 38 | 0 11 | 13 10 | 0 39 | 7 5 | 16 37 | 1 40 | 1 30 | 22 32 | 17 33 | 5 34 |
| S 7 | 2 22 | 28 48 | 5 17 | 7 55 | 1 32 | 18 14 | 3 45 | 14 11 | 0 25 | 22 46 | 0 32 | 21 41 | 1 5 | 18 38 | 0 11 | 13 10 | 0 39 | 7 4 | 16 37 | 1 40 | 1 31 | 22 30 | 17 34 | 5 33 |
| S 8 | 1 58 | 28 5 | 5 5 | 8 14 | 1 17 | 18 36 | 3 51 | 14 26 | 0 26 | 22 46 | 0 32 | 21 41 | 1 5 | 18 39 | 0 11 | 13 9 | 0 39 | 7 3 | 16 37 | 1 40 | 1 32 | 22 27 | 17 34 | 5 33 |
| M 9 | 1 34 | 26 5 | 4 41 | 8 32 | 1 2 | 18 57 | 3 56 | 14 40 | 0 27 | 22 47 | 0 32 | 21 42 | 1 5 | 18 39 | 0 11 | 13 8 | 0 39 | 7 3 | 16 37 | 1 40 | 1 34 | 22 25 | 17 35 | 5 33 |
| T 10 | 1 11 | 22 58 | 4 5 | 8 47 | 0 47 | 19 18 | 4 2 | 14 54 | 0 27 | 22 47 | 0 32 | 21 43 | 1 5 | 18 40 | 0 11 | 13 8 | 0 39 | 7 2 | 16 37 | 1 40 | 1 35 | 22 23 | 17 35 | 5 32 |
| W11 | 0 47 | 18 54 | 3 19 | 8 59 | 0 32 | 19 39 | 4 7 | 15 8 | 0 28 | 22 47 | 0 32 | 21 43 | 1 4 | 18 41 | 0 11 | 13 7 | 0 39 | 7 2 | 16 36 | 1 39 | 1 36 | 22 21 | 17 36 | 5 32 |
| T 12 | 0 23 | 14 4 | 2 23 | 9 10 | 0 18 | 19 59 | 4 12 | 15 21 | 0 28 | 22 47 | 0 32 | 21 44 | 1 4 | 18 41 | 0 11 | 13 6 | 0 39 | 7 1 | 16 36 | 1 39 | 1 37 | 22 18 | 17 36 | 5 31 |
| F 13 | 0n 0 | 8 40 | 1 21 | 9 17 | 0 4 | 20 18 | 4 18 | 15 35 | 0 29 | 22 48 | 0 32 | 21 44 | 1 4 | 18 42 | 0 11 | 13 6 | 0 39 | 7 0 | 16 36 | 1 39 | 1 39 | 22 16 | 17 37 | 5 31 |
| S 14 | 0 24 | 2 52 | 0 14 | 9 23 | 0s 9 | 20 37 | 4 23 | 15 48 | 0 30 | 22 48 | 0 32 | 21 45 | 1 4 | 18 42 | 0 11 | 13 5 | 0 39 | 7 0 | 16 36 | 1 39 | 1 40 | 22 14 | 17 37 | 5 31 |
| S 15 | 0 48 | 3n 7 | 0n54 | 9 26 | 0 22 | 20 56 | 4 28 | 16 2 | 0 30 | 22 48 | 0 32 | 21 45 | 1 4 | 18 43 | 0 11 | 13 4 | 0 39 | 6 59 | 16 36 | 1 39 | 1 41 | 22 11 | 17 38 | 5 30 |
| M16 | 1 11 | 9 4 | 2 1 | 9 27 | 0 35 | 21 14 | 4 33 | 16 15 | 0 31 | 22 48 | 0 32 | 21 46 | 1 3 | 18 44 | 0 11 | 13 4 | 0 39 | 6 59 | 16 36 | 1 39 | 1 43 | 22 9 | 17 38 | 5 30 |
| T 17 | 1 35 | 14 46 | 3 3 | 9 26 | 0 46 | 21 31 | 4 38 | 16 28 | 0 31 | 22 48 | 0 32 | 21 47 | 1 3 | 18 44 | 0 11 | 13 3 | 0 39 | 6 58 | 16 36 | 1 40 | 1 44 | 22 7 | 17 39 | 5 30 |
| W18 | 1 58 | 19 55 | 3 57 | 9 23 | 0 58 | 21 48 | 4 43 | 16 41 | 0 32 | 22 49 | 0 32 | 21 47 | 1 3 | 18 45 | 0 11 | 13 2 | 0 39 | 6 57 | 16 36 | 1 40 | 1 45 | 22 4 | 17 39 | 5 29 |
| T 19 | 2 22 | 24 11 | 4 39 | 9 17 | 1 8 | 22 4 | 4 48 | 16 53 | 0 32 | 22 49 | 0 32 | 21 48 | 1 3 | 18 46 | 0 11 | 13 2 | 0 39 | 6 57 | 16 35 | 1 41 | 1 46 | 22 2 | 17 40 | 5 29 |
| F 20 | 2 45 | 27 13 | 5 6 | 9 10 | 1 18 | 22 20 | 4 53 | 17 6 | 0 33 | 22 49 | 0 32 | 21 48 | 1 3 | 18 46 | 0 11 | 13 1 | 0 39 | 6 56 | 16 35 | 1 41 | 1 48 | 22 0 | 17 41 | 5 29 |
| S 21 | 3 8 | 28 41 | 5 16 | 9 1 | 1 28 | 22 35 | 4 57 | 17 18 | 0 34 | 22 49 | 0 31 | 21 49 | 1 2 | 18 47 | 0 11 | 13 1 | 0 39 | 6 56 | 16 35 | 1 41 | 1 49 | 21 57 | 17 41 | 5 28 |
| S 22 | 3 32 | 28 22 | 5 8 | 8 50 | 1 37 | 22 50 | 5 2 | 17 31 | 0 34 | 22 49 | 0 31 | 21 50 | 1 2 | 18 48 | 0 11 | 13 0 | 0 39 | 6 55 | 16 35 | 1 42 | 1 50 | 21 55 | 17 42 | 5 28 |
| M23 | 3 55 | 26 13 | 4 42 | 8 36 | 1 45 | 23 4 | 5 6 | 17 43 | 0 35 | 22 49 | 0 31 | 21 50 | 1 2 | 18 48 | 0 11 | 12 59 | 0 39 | 6 55 | 16 35 | 1 41 | 1 51 | 21 53 | 17 42 | 5 28 |
| T 24 | 4 18 | 22 22 | 3 58 | 8 22 | 1 53 | 23 18 | 5 10 | 17 55 | 0 35 | 22 49 | 0 31 | 21 51 | 1 2 | 18 49 | 0 11 | 12 59 | 0 39 | 6 54 | 16 35 | 1 41 | 1 53 | 21 50 | 17 43 | 5 27 |
| W25 | 4 41 | 17 9 | 2 58 | 8 5 | 2 0 | 23 31 | 5 14 | 18 7 | 0 36 | 22 49 | 0 31 | 21 52 | 1 2 | 18 50 | 0 11 | 12 58 | 0 39 | 6 53 | 16 35 | 1 41 | 1 54 | 21 48 | 17 43 | 5 27 |
| T 26 | 5 4 | 10 56 | 1 47 | 7 47 | 2 6 | 23 43 | 5 18 | 18 18 | 0 36 | 22 49 | 0 31 | 21 52 | 1 1 | 18 50 | 0 11 | 12 58 | 0 39 | 6 53 | 16 35 | 1 40 | 1 55 | 21 45 | 17 44 | 5 27 |
| F 27 | 5 27 | 4 9 | 0 29 | 7 27 | 2 12 | 23 54 | 5 21 | 18 30 | 0 37 | 22 50 | 0 31 | 21 53 | 1 1 | 18 51 | 0 11 | 12 57 | 0 39 | 6 52 | 16 35 | 1 40 | 1 56 | 21 43 | 17 44 | 5 26 |
| S 28 | 5 50 | 2s47 | 0s51 | 7 5 | 2 18 | 24 5 | 5 25 | 18 41 | 0 37 | 22 50 | 0 31 | 21 54 | 1 1 | 18 52 | 0 11 | 12 56 | 0 40 | 6 52 | 16 35 | 1 40 | 1 58 | 21 41 | 17 45 | 5 26 |
| S 29 | 6 13 | 9 29 | 2 6 | 6 42 | 2 22 | 24 16 | 5 28 | 18 52 | 0 38 | 22 50 | 0 31 | 21 54 | 1 1 | 18 52 | 0 11 | 12 56 | 0 40 | 6 51 | 16 35 | 1 40 | 1 59 | 21 38 | 17 45 | 5 26 |
| M30 | 6 35 | 15 36 | 3 11 | 6 17 | 2 27 | 24 25 | 5 31 | 19 3 | 0 38 | 22 50 | 0 31 | 21 55 | 1 1 | 18 53 | 0 11 | 12 55 | 0 40 | 6 51 | 16 35 | 1 41 | 2 0 | 21 36 | 17 46 | 5 25 |
| T 31 | 6n58 | 20s48 | 4s 5 | 5s51 | 2s30 | 24n34 | 5n34 | 19n14 | 0n39 | 22s50 | 0n31 | 21n56 | 1s 1 | 18n54 | 0s11 | 12s55 | 0s40 | 6s50 | 16s35 | 1s42 | 2s 2 | 21s33 | 17n47 | 5s25 |

Julian Day Number = 2216030.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'33, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'45, Lahiri = 14°51'46 Julian Calendar 1 March 1355 == Greg. Calendar 9 March 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## APRIL 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 7 10 | 18♈39'43 | 29♏58 | 22♓22 | 25♉44 | 23♉46 | 23♐14 | 17♊32 | 25♉ 0 | 27♒47 | 21♈54 | 25°R40 | 24♓52 | 9♒21 | 20♊29 | W 1 |
| T 2 | 13 11 6 | 19°38'16 | 12♐50 | 23°41 | 26° 5 | 24°27 | 23°R14 | 17°37 | 25° 3 | 27°49 | 21°55 | 25♓36 | 24°49 | 9°28 | 20°33 | T 2 |
| F 3 | 13 15 3 | 20°36'47 | 25°22 | 25° 2 | 26°24 | 25° 7 | 23°14 | 17°42 | 25° 6 | 27°50 | 21°57 | 25°33 | 24°46 | 9°35 | 20°36 | F 3 |
| S 4 | 13 18 59 | 21°35'17 | 7♑38 | 26°25 | 26°41 | 25°48 | 23°14 | 17°48 | 25° 9 | 27°52 | 21°58 | 25°31 | 24°43 | 9°41 | 20°40 | S 4 |
| S 5 | 13 22 56 | 22°33'45 | 19°40 | 27°50 | 26°56 | 26°28 | 23°13 | 17°53 | 25°12 | 27°53 | 21°59 | 25°D30 | 24°39 | 9°48 | 20°44 | S 5 |
| M 6 | 13 26 52 | 23°32'11 | 1♒34 | 29°17 | 27°10 | 27° 9 | 23°12 | 17°59 | 25°15 | 27°55 | 22° 1 | 25°31 | 24°36 | 9°55 | 20°48 | M 6 |
| T 7 | 13 30 49 | 24°30'36 | 13°24 | 0♈46 | 27°21 | 27°49 | 23°12 | 18° 5 | 25°18 | 27°56 | 22° 2 | 25°32 | 24°33 | 10° 1 | 20°51 | T 7 |
| W 8 | 13 34 45 | 25°28'59 | 25°16 | 2°16 | 27°30 | 28°30 | 23°11 | 18°10 | 25°21 | 27°58 | 22° 4 | 25°34 | 24°30 | 10° 8 | 20°55 | W 8 |
| T 9 | 13 38 42 | 26°27'20 | 7♓14 | 3°49 | 27°37 | 29°10 | 23° 9 | 18°16 | 25°24 | 27°59 | 22° 5 | 25°35 | 24°27 | 10°15 | 20°59 | T 9 |
| F 10 | 13 42 39 | 27°25'40 | 19°21 | 5°23 | 27°41 | 29°50 | 23° 8 | 18°22 | 25°27 | 28° 1 | 22° 6 | 25°R36 | 24°23 | 10°21 | 21° 3 | F 10 |
| S 11 | 13 46 35 | 28°23'57 | 1♈43 | 6°59 | 27°R43 | 0♊30 | 23° 6 | 18°28 | 25°31 | 28° 2 | 22° 8 | 25°36 | 24°20 | 10°28 | 21° 7 | S 11 |
| S 12 | 13 50 32 | 29°22'14 | 14°20 | 8°37 | 27°43 | 1°11 | 23° 5 | 18°34 | 25°34 | 28° 3 | 22° 9 | 25°35 | 24°17 | 10°35 | 21°12 | S 12 |
| M13 | 13 54 28 | 0♉20'28 | 27°15 | 10°17 | 27°41 | 1°51 | 23° 3 | 18°40 | 25°37 | 28° 5 | 22°11 | 25°32 | 24°14 | 10°41 | 21°16 | M13 |
| T 14 | 13 58 25 | 1°18'41 | 10♉27 | 11°59 | 27°36 | 2°31 | 23° 1 | 18°46 | 25°40 | 28° 6 | 22°12 | 25°27 | 24°11 | 10°48 | 21°20 | T 14 |
| W15 | 14 2 21 | 2°16'52 | 23°55 | 13°42 | 27°28 | 3°11 | 22°58 | 18°52 | 25°44 | 28° 7 | 22°13 | 25°21 | 24° 8 | 10°55 | 21°24 | W15 |
| T 16 | 14 6 18 | 3°15'02 | 7♊37 | 15°28 | 27°18 | 3°51 | 22°56 | 18°59 | 25°47 | 28° 8 | 22°15 | 25°15 | 24° 4 | 11° 1 | 21°29 | T 16 |
| F 17 | 14 10 14 | 4°13'09 | 21°31 | 17°15 | 27° 6 | 4°32 | 22°53 | 19° 5 | 25°50 | 28° 9 | 22°16 | 25°10 | 24° 1 | 11° 8 | 21°33 | F 17 |
| S 18 | 14 14 11 | 5°11'15 | 5♋32 | 19° 4 | 26°51 | 5°12 | 22°50 | 19°11 | 25°54 | 28°11 | 22°17 | 25° 5 | 23°58 | 11°15 | 21°38 | S 18 |
| S 19 | 14 18 8 | 6° 9'18 | 19°39 | 20°54 | 26°34 | 5°52 | 22°47 | 19°18 | 25°57 | 28°12 | 22°19 | 25° 2 | 23°55 | 11°22 | 21°42 | S 19 |
| M20 | 14 22 4 | 7° 7'20 | 3♌48 | 22°47 | 26°15 | 6°32 | 22°44 | 19°24 | 26° 0 | 28°13 | 22°20 | 25°D 1 | 23°52 | 11°28 | 21°47 | M20 |
| T 21 | 14 26 1 | 8° 5'19 | 17°59 | 24°41 | 25°53 | 7°12 | 22°41 | 19°31 | 26° 4 | 28°14 | 22°21 | 25° 1 | 23°49 | 11°35 | 21°51 | T 21 |
| W22 | 14 29 57 | 9° 3'17 | 2♍ 8 | 26°38 | 25°29 | 7°51 | 22°37 | 19°37 | 26° 7 | 28°15 | 22°23 | 25° 2 | 23°45 | 11°42 | 21°56 | W22 |
| T 23 | 14 33 54 | 10° 1'13 | 16°16 | 28°36 | 25° 3 | 8°31 | 22°33 | 19°44 | 26°11 | 28°16 | 22°24 | 25° 4 | 23°42 | 11°48 | 22° 1 | T 23 |
| F 24 | 14 37 50 | 10°59'06 | 0♎19 | 0♉35 | 24°35 | 9°11 | 22°29 | 19°51 | 26°14 | 28°17 | 22°25 | 25°R 4 | 23°39 | 11°55 | 22° 5 | F 24 |
| S 25 | 14 41 47 | 11°56'58 | 14°15 | 2°37 | 24° 5 | 9°51 | 22°25 | 19°57 | 26°17 | 28°18 | 22°27 | 25° 2 | 23°36 | 12° 2 | 22°10 | S 25 |
| S 26 | 14 45 43 | 12°54'49 | 28° 2 | 4°40 | 23°33 | 10°31 | 22°21 | 20° 4 | 26°21 | 28°19 | 22°28 | 24°58 | 23°33 | 12° 8 | 22°15 | S 26 |
| M27 | 14 49 40 | 13°52'37 | 11♏37 | 6°45 | 23° 0 | 11°11 | 22°17 | 20°11 | 26°24 | 28°20 | 22°29 | 24°53 | 23°29 | 12°15 | 22°20 | M27 |
| T 28 | 14 53 36 | 14°50'25 | 24°57 | 8°51 | 22°25 | 11°50 | 22°12 | 20°18 | 26°28 | 28°21 | 22°31 | 24°45 | 23°26 | 12°22 | 22°25 | T 28 |
| W29 | 14 57 33 | 15°48'11 | 8♐ 1 | 10°59 | 21°50 | 12°30 | 22° 8 | 20°25 | 26°31 | 28°21 | 22°32 | 24°36 | 23°23 | 12°28 | 22°30 | W29 |
| T 30 | 15 1 30 | 16♉45'56 | 20♐48 | 13♉ 7 | 21♉13 | 13♊10 | 22♐ 3 | 20♊32 | 26♉35 | 28♒22 | 22♈33 | 24♓27 | 23♓20 | 12♒35 | 22♊35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n20 | 24s50 | 4s43 | 5s23 | 2s33 | 24n42 | 5n37 | 19n25 | 0n39 | 22s50 | 0n31 | 21n56 | 1s 0 | 18n55 | 0s11 | 12s54 | 0s40 | 6s50 | 16s35 | 1s44 | 2s 3 | 21s31 | 17n47 | 5s25 |
| T 2 | 7 43 | 27 29 | 5 6 | 4 54 | 2 36 | 24 50 | 5 39 | 19 36 | 0 40 | 22 50 | 0 31 | 21 57 | 1 0 | 18 55 | 0 11 | 12 54 | 0 40 | 6 49 | 16 34 | 1 45 | 2 4 | 21 29 | 17 48 | 5 24 |
| F 3 | 8 5 | 28 41 | 5 14 | 4 24 | 2 38 | 24 56 | 5 41 | 19 46 | 0 40 | 22 50 | 0 31 | 21 57 | 1 0 | 18 56 | 0 11 | 12 53 | 0 40 | 6 49 | 16 34 | 1 46 | 2 5 | 21 26 | 17 48 | 5 24 |
| S 4 | 8 27 | 28 25 | 5 7 | 3 52 | 2 39 | 25 2 | 5 43 | 19 56 | 0 41 | 22 50 | 0 31 | 21 58 | 1 0 | 18 57 | 0 11 | 12 53 | 0 40 | 6 48 | 16 34 | 1 47 | 2 7 | 21 24 | 17 49 | 5 24 |
| S 5 | 8 49 | 26 48 | 4 47 | 3 19 | 2 40 | 25 7 | 5 44 | 20 6 | 0 41 | 22 50 | 0 31 | 21 59 | 1 0 | 18 58 | 0 11 | 12 52 | 0 40 | 6 48 | 16 34 | 1 48 | 2 8 | 21 21 | 17 49 | 5 23 |
| M 6 | 9 10 | 24 1 | 4 14 | 2 44 | 2 40 | 25 11 | 5 45 | 20 16 | 0 42 | 22 50 | 0 31 | 22 0 | 1 0 | 18 58 | 0 11 | 12 52 | 0 40 | 6 47 | 16 34 | 1 47 | 2 9 | 21 19 | 17 50 | 5 23 |
| T 7 | 9 32 | 20 13 | 3 31 | 2 9 | 2 40 | 25 15 | 5 46 | 20 26 | 0 42 | 22 50 | 0 31 | 22 0 | 0 59 | 18 59 | 0 11 | 12 51 | 0 40 | 6 47 | 16 34 | 1 47 | 2 10 | 21 17 | 17 50 | 5 23 |
| W 8 | 9 53 | 15 38 | 2 39 | 1 32 | 2 39 | 25 17 | 5 46 | 20 35 | 0 43 | 22 50 | 0 31 | 22 1 | 0 59 | 19 0 | 0 11 | 12 51 | 0 40 | 6 46 | 16 34 | 1 46 | 2 12 | 21 14 | 17 51 | 5 23 |
| T 9 | 10 15 | 10 25 | 1 39 | 0 54 | 2 38 | 25 19 | 5 46 | 20 45 | 0 43 | 22 50 | 0 31 | 22 2 | 0 59 | 19 1 | 0 11 | 12 50 | 0 40 | 6 46 | 16 34 | 1 46 | 2 13 | 21 12 | 17 51 | 5 22 |
| F 10 | 10 36 | 4 45 | 0 34 | 0 14 | 2 36 | 25 19 | 5 46 | 20 54 | 0 43 | 22 50 | 0 31 | 22 2 | 0 59 | 19 1 | 0 11 | 12 50 | 0 40 | 6 45 | 16 34 | 1 45 | 2 14 | 21 9 | 17 52 | 5 22 |
| S 11 | 10 57 | 1n12 | 0n33 | 0n26 | 2 34 | 25 19 | 5 45 | 21 3 | 0 44 | 22 50 | 0 31 | 22 3 | 0 59 | 19 2 | 0 11 | 12 49 | 0 40 | 6 45 | 16 34 | 1 45 | 2 15 | 21 7 | 17 53 | 5 22 |
| S 12 | 11 17 | 7 13 | 1 41 | 1 7 | 2 31 | 25 18 | 5 44 | 21 12 | 0 44 | 22 50 | 0 31 | 22 4 | 0 59 | 19 3 | 0 11 | 12 49 | 0 40 | 6 44 | 16 34 | 1 46 | 2 17 | 21 4 | 17 53 | 5 22 |
| M13 | 11 38 | 13 5 | 2 44 | 1 50 | 2 27 | 25 15 | 5 42 | 21 20 | 0 45 | 22 50 | 0 31 | 22 4 | 0 58 | 19 4 | 0 11 | 12 49 | 0 40 | 6 44 | 16 35 | 1 47 | 2 18 | 21 2 | 17 54 | 5 21 |
| T 14 | 11 58 | 18 29 | 3 40 | 2 33 | 2 23 | 25 12 | 5 40 | 21 29 | 0 45 | 22 50 | 0 31 | 22 5 | 0 58 | 19 5 | 0 11 | 12 48 | 0 40 | 6 43 | 16 35 | 1 49 | 2 19 | 20 59 | 17 54 | 5 21 |
| W15 | 12 19 | 23 6 | 4 25 | 3 18 | 2 19 | 25 8 | 5 37 | 21 37 | 0 46 | 22 49 | 0 31 | 22 6 | 0 58 | 19 5 | 0 11 | 12 48 | 0 40 | 6 43 | 16 35 | 1 51 | 2 20 | 20 57 | 17 55 | 5 21 |
| T 16 | 12 39 | 26 31 | 4 56 | 4 3 | 2 14 | 25 2 | 5 33 | 21 45 | 0 46 | 22 49 | 0 31 | 22 6 | 0 58 | 19 6 | 0 11 | 12 47 | 0 40 | 6 42 | 16 35 | 1 54 | 2 22 | 20 54 | 17 55 | 5 21 |
| F 17 | 12 58 | 28 24 | 5 9 | 4 49 | 2 8 | 24 55 | 5 30 | 21 53 | 0 46 | 22 49 | 0 31 | 22 7 | 0 58 | 19 7 | 0 11 | 12 47 | 0 40 | 6 42 | 16 35 | 1 56 | 2 23 | 20 52 | 17 56 | 5 20 |
| S 18 | 13 18 | 28 29 | 5 5 | 5 37 | 2 2 | 24 47 | 5 25 | 22 1 | 0 47 | 22 49 | 0 31 | 22 8 | 0 58 | 19 8 | 0 11 | 12 47 | 0 40 | 6 41 | 16 35 | 1 58 | 2 24 | 20 49 | 17 56 | 5 20 |
| S 19 | 13 37 | 26 44 | 4 42 | 6 24 | 1 55 | 24 38 | 5 20 | 22 8 | 0 47 | 22 49 | 0 31 | 22 8 | 0 57 | 19 9 | 0 11 | 12 46 | 0 40 | 6 41 | 16 35 | 1 59 | 2 26 | 20 47 | 17 57 | 5 20 |
| M20 | 13 56 | 23 17 | 4 2 | 7 13 | 1 48 | 24 28 | 5 14 | 22 16 | 0 48 | 22 49 | 0 31 | 22 9 | 0 57 | 19 9 | 0 11 | 12 46 | 0 40 | 6 41 | 16 35 | 1 59 | 2 27 | 20 44 | 17 57 | 5 20 |
| T 21 | 14 15 | 18 28 | 3 7 | 8 2 | 1 41 | 24 16 | 5 8 | 22 23 | 0 48 | 22 49 | 0 31 | 22 10 | 0 57 | 19 10 | 0 11 | 12 46 | 0 40 | 6 40 | 16 35 | 1 59 | 2 28 | 20 42 | 17 58 | 5 19 |
| W22 | 14 34 | 12 38 | 2 1 | 8 52 | 1 33 | 24 4 | 5 1 | 22 30 | 0 48 | 22 49 | 0 31 | 22 10 | 0 57 | 19 11 | 0 10 | 12 45 | 0 40 | 6 40 | 16 35 | 1 59 | 2 29 | 20 39 | 17 58 | 5 19 |
| T 23 | 14 52 | 6 10 | 0 47 | 9 42 | 1 24 | 23 50 | 4 53 | 22 37 | 0 49 | 22 48 | 0 30 | 22 11 | 0 57 | 19 12 | 0 10 | 12 45 | 0 40 | 6 39 | 16 35 | 1 58 | 2 31 | 20 37 | 17 59 | 5 19 |
| F 24 | 15 11 | 0s33 | 0s28 | 10 32 | 1 16 | 23 35 | 4 45 | 22 43 | 0 49 | 22 48 | 0 30 | 22 12 | 0 57 | 19 13 | 0 10 | 12 45 | 0 40 | 6 39 | 16 35 | 1 58 | 2 32 | 20 34 | 17 59 | 5 19 |
| S 25 | 15 29 | 7 12 | 1 42 | 11 23 | 1 6 | 23 19 | 4 36 | 22 50 | 0 50 | 22 48 | 0 30 | 22 12 | 0 57 | 19 13 | 0 10 | 12 44 | 0 40 | 6 39 | 16 35 | 1 59 | 2 33 | 20 32 | 18 0 | 5 19 |
| S 26 | 15 46 | 13 26 | 2 48 | 12 14 | 0 57 | 23 1 | 4 26 | 22 56 | 0 50 | 22 48 | 0 30 | 22 13 | 0 56 | 19 14 | 0 10 | 12 44 | 0 40 | 6 38 | 16 35 | 2 0 | 2 34 | 20 29 | 18 0 | 5 18 |
| M27 | 16 4 | 18 55 | 3 44 | 13 5 | 0 47 | 22 43 | 4 16 | 23 2 | 0 50 | 22 48 | 0 30 | 22 14 | 0 56 | 19 15 | 0 10 | 12 44 | 0 40 | 6 38 | 16 36 | 2 3 | 2 36 | 20 27 | 18 0 | 5 18 |
| T 28 | 16 21 | 23 23 | 4 26 | 13 55 | 0 37 | 22 24 | 4 6 | 23 8 | 0 51 | 22 48 | 0 30 | 22 14 | 0 56 | 19 16 | 0 10 | 12 43 | 0 40 | 6 38 | 16 36 | 2 6 | 2 37 | 20 24 | 18 1 | 5 18 |
| W29 | 16 38 | 26 33 | 4 54 | 14 45 | 0 27 | 22 3 | 3 54 | 23 13 | 0 51 | 22 47 | 0 30 | 22 15 | 0 56 | 19 17 | 0 10 | 12 43 | 0 40 | 6 37 | 16 36 | 2 9 | 2 38 | 20 21 | 18 1 | 5 18 |
| T 30 | 16n54 | 28s17 | 5s 6 | 15n35 | 0s16 | 21n42 | 3n42 | 23n19 | 0n51 | 22s47 | 0n30 | 22n15 | 0s56 | 19n17 | 0s10 | 12s43 | 0s40 | 6s37 | 16s36 | 2s13 | 2s39 | 20s19 | 18n 2 | 5s18 |

Julian Day Number = 2216061.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'49, Lahiri = 14°51'50 Julian Calendar 1 Apr. 1355 == Greg. Calendar 9 Apr. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## MAY 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 5 26 | 17♉43'39 | 3♋17 | 15♉17 | 20°R36 | 13♊49 | 21°R58 | 20♊39 | 26♉38 | 28♒23 | 22♈35 | 24°R19 | 23♓17 | 12♒42 | 22♊40 | F 1 |
| S 2 | 15 9 23 | 18°41'21 | 15°31 | 17°28 | 19♉58 | 14°29 | 21♐53 | 20°46 | 26°42 | 28°24 | 22°36 | 24♓12 | 23°14 | 12°48 | 22°45 | S 2 |
| S 3 | 15 13 19 | 19°39'02 | 27°33 | 19°39 | 19°20 | 15° 9 | 21°47 | 20°53 | 26°45 | 28°24 | 22°37 | 24° 8 | 23°10 | 12°55 | 22°50 | S 3 |
| M 4 | 15 17 16 | 20°36'42 | 9♒27 | 21°50 | 18°42 | 15°48 | 21°42 | 21° 0 | 26°49 | 28°25 | 22°38 | 24° 5 | 23° 7 | 13° 2 | 22°55 | M 4 |
| T 5 | 15 21 12 | 21°34'21 | 21°17 | 24° 2 | 18° 5 | 16°28 | 21°36 | 21° 7 | 26°52 | 28°26 | 22°40 | 24°D 4 | 23° 4 | 13° 8 | 23° 1 | T 5 |
| W 6 | 15 25 9 | 22°31'59 | 3♓ 9 | 26°13 | 17°28 | 17° 7 | 21°31 | 21°14 | 26°56 | 28°26 | 22°41 | 24° 5 | 23° 1 | 13°15 | 23° 6 | W 6 |
| T 7 | 15 29 6 | 23°29'36 | 15° 8 | 28°24 | 16°52 | 17°47 | 21°25 | 21°22 | 26°59 | 28°27 | 22°42 | 24° 5 | 22°58 | 13°22 | 23°11 | T 7 |
| F 8 | 15 33 2 | 24°27'12 | 27°18 | 0♊34 | 16°17 | 18°26 | 21°19 | 21°29 | 27° 3 | 28°27 | 22°43 | 24°R 6 | 22°55 | 13°28 | 23°16 | F 8 |
| S 9 | 15 36 59 | 25°24'46 | 9♈45 | 2°43 | 15°43 | 19° 6 | 21°13 | 21°36 | 27° 6 | 28°28 | 22°45 | 24° 4 | 22°51 | 13°35 | 23°22 | S 9 |
| S 10 | 15 40 55 | 26°22'20 | 22°32 | 4°51 | 15°11 | 19°45 | 21° 7 | 21°43 | 27°10 | 28°28 | 22°46 | 24° 1 | 22°48 | 13°42 | 23°27 | S 10 |
| M11 | 15 44 52 | 27°19'53 | 5♉42 | 6°57 | 14°40 | 20°25 | 21° 0 | 21°51 | 27°13 | 28°29 | 22°47 | 23°55 | 22°45 | 13°48 | 23°33 | M11 |
| T 12 | 15 48 48 | 28°17'25 | 19°13 | 9° 2 | 14°11 | 21° 4 | 20°54 | 21°58 | 27°17 | 28°29 | 22°48 | 23°47 | 22°42 | 13°55 | 23°38 | T 12 |
| W13 | 15 52 45 | 29°14'56 | 3♊ 5 | 11° 4 | 13°44 | 21°43 | 20°47 | 22° 6 | 27°20 | 28°30 | 22°49 | 23°38 | 22°39 | 14° 2 | 23°43 | W13 |
| T 14 | 15 56 41 | 0♊12'26 | 17°14 | 13° 5 | 13°19 | 22°23 | 20°41 | 22°13 | 27°24 | 28°30 | 22°50 | 23°27 | 22°35 | 14° 8 | 23°49 | T 14 |
| F 15 | 16 0 38 | 1° 9'55 | 1♋34 | 15° 3 | 12°56 | 23° 2 | 20°34 | 22°21 | 27°27 | 28°30 | 22°52 | 23°17 | 22°32 | 14°15 | 23°54 | F 15 |
| S 16 | 16 4 35 | 2° 7'22 | 16° 0 | 16°59 | 12°35 | 23°41 | 20°27 | 22°28 | 27°31 | 28°31 | 22°53 | 23° 9 | 22°29 | 14°22 | 24° 0 | S 16 |
| S 17 | 16 8 31 | 3° 4'49 | 0♌25 | 18°53 | 12°16 | 24°21 | 20°20 | 22°36 | 27°34 | 28°31 | 22°54 | 23° 3 | 22°26 | 14°28 | 24° 6 | S 17 |
| M18 | 16 12 28 | 4° 2'14 | 14°46 | 20°44 | 12° 0 | 25° 0 | 20°13 | 22°43 | 27°38 | 28°31 | 22°55 | 23° 0 | 22°23 | 14°35 | 24°11 | M18 |
| T 19 | 16 16 24 | 4°59'37 | 28°59 | 22°32 | 11°46 | 25°39 | 20° 6 | 22°51 | 27°41 | 28°31 | 22°56 | 22°58 | 22°20 | 14°42 | 24°17 | T 19 |
| W20 | 16 20 21 | 5°57'00 | 13♍ 2 | 24°18 | 11°35 | 26°18 | 19°59 | 22°58 | 27°45 | 28°31 | 22°57 | 22°D58 | 22°16 | 14°49 | 24°22 | W20 |
| T 21 | 16 24 17 | 6°54'21 | 26°56 | 26° 2 | 11°25 | 26°57 | 19°52 | 23° 6 | 27°48 | 28°31 | 22°58 | 22°R58 | 22°13 | 14°55 | 24°28 | T 21 |
| F 22 | 16 28 14 | 7°51'42 | 10♎39 | 27°43 | 11°19 | 27°36 | 19°44 | 23°14 | 27°52 | 28°32 | 22°59 | 22°57 | 22°10 | 15° 2 | 24°34 | F 22 |
| S 23 | 16 32 10 | 8°49'01 | 24°12 | 29°21 | 11°14 | 28°16 | 19°37 | 23°21 | 27°55 | 28°32 | 23° 0 | 22°54 | 22° 7 | 15° 9 | 24°39 | S 23 |
| S 24 | 16 36 7 | 9°46'19 | 7♏35 | 0♋56 | 11°D12 | 28°55 | 19°29 | 23°29 | 27°59 | 28°R32 | 23° 1 | 22°48 | 22° 4 | 15°15 | 24°45 | S 24 |
| M25 | 16 40 4 | 10°43'37 | 20°47 | 2°29 | 11°13 | 29°34 | 19°22 | 23°37 | 28° 2 | 28°32 | 23° 2 | 22°40 | 22° 1 | 15°22 | 24°51 | M25 |
| T 26 | 16 44 0 | 11°40'53 | 3♐47 | 3°59 | 11°15 | 0♋13 | 19°15 | 23°45 | 28° 6 | 28°32 | 23° 3 | 22°29 | 21°57 | 15°29 | 24°57 | T 26 |
| W27 | 16 47 57 | 12°38'09 | 16°34 | 5°26 | 11°20 | 0°52 | 19° 7 | 23°52 | 28° 9 | 28°31 | 23° 4 | 22°16 | 21°54 | 15°35 | 25° 2 | W27 |
| T 28 | 16 51 53 | 13°35'25 | 29° 8 | 6°50 | 11°28 | 1°31 | 18°59 | 24° 0 | 28°12 | 28°31 | 23° 5 | 22° 4 | 21°51 | 15°42 | 25° 8 | T 28 |
| F 29 | 16 55 50 | 14°32'39 | 11♑29 | 8°12 | 11°37 | 2°10 | 18°52 | 24° 8 | 28°16 | 28°31 | 23° 6 | 21°52 | 21°48 | 15°49 | 25°14 | F 29 |
| S 30 | 16 59 46 | 15°29'54 | 23°38 | 9°30 | 11°48 | 2°49 | 18°44 | 24°16 | 28°19 | 28°31 | 23° 7 | 21°41 | 21°45 | 15°55 | 25°20 | S 30 |
| S 31 | 17 3 43 | 16♊27'08 | 5♒36 | 10♋46 | 12♉ 2 | 3♋28 | 18♐37 | 24♊23 | 28♉23 | 28♒31 | 23♈ 8 | 21♓33 | 21♓41 | 16♒ 2 | 25♊26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n11 | 28s31 | 5s 2 | 16n23 | 0s 6 | 21n20 | 3n30 | 23n24 | 0n52 | 22s47 | 0n30 | 22n16 | 0s56 | 19n18 | 0s10 | 12s43 | 0s41 | 6s37 | 16s36 | 2s16 | 2s41 | 20s16 | 18n 2 | 5s18 |
| S 2 | 17 27 | 27 21 | 4 45 | 17 11 | 0n 5 | 20 58 | 3 17 | 23 29 | 0 52 | 22 47 | 0 30 | 22 17 | 0 56 | 19 19 | 0 10 | 12 42 | 0 41 | 6 36 | 16 36 | 2 19 | 2 42 | 20 14 | 18 3 | 5 17 |
| S 3 | 17 43 | 24 54 | 4 16 | 17 57 | 0 15 | 20 35 | 3 4 | 23 34 | 0 53 | 22 46 | 0 30 | 22 17 | 0 55 | 19 20 | 0 10 | 12 42 | 0 41 | 6 36 | 16 36 | 2 20 | 2 43 | 20 11 | 18 3 | 5 17 |
| M 4 | 17 58 | 21 25 | 3 36 | 18 42 | 0 26 | 20 11 | 2 51 | 23 39 | 0 53 | 22 46 | 0 30 | 22 18 | 0 55 | 19 21 | 0 10 | 12 42 | 0 41 | 6 36 | 16 36 | 2 21 | 2 44 | 20 9 | 18 3 | 5 17 |
| T 5 | 18 13 | 17 5 | 2 46 | 19 26 | 0 36 | 19 48 | 2 37 | 23 43 | 0 53 | 22 46 | 0 30 | 22 19 | 0 55 | 19 22 | 0 10 | 12 42 | 0 41 | 6 35 | 16 37 | 2 22 | 2 46 | 20 6 | 18 4 | 5 17 |
| W 6 | 18 28 | 12 5 | 1 50 | 20 7 | 0 46 | 19 24 | 2 23 | 23 47 | 0 54 | 22 46 | 0 30 | 22 19 | 0 55 | 19 22 | 0 10 | 12 42 | 0 41 | 6 35 | 16 37 | 2 22 | 2 47 | 20 3 | 18 4 | 5 17 |
| T 7 | 18 43 | 6 37 | 0 48 | 20 47 | 0 56 | 19 0 | 2 9 | 23 51 | 0 54 | 22 45 | 0 30 | 22 20 | 0 55 | 19 23 | 0 10 | 12 42 | 0 41 | 6 35 | 16 37 | 2 21 | 2 48 | 20 1 | 18 5 | 5 17 |
| F 8 | 18 57 | 0 49 | 0n17 | 21 24 | 1 5 | 18 36 | 1 55 | 23 55 | 0 54 | 22 45 | 0 29 | 22 20 | 0 55 | 19 24 | 0 10 | 12 41 | 0 41 | 6 34 | 16 37 | 2 21 | 2 49 | 19 58 | 18 5 | 5 17 |
| S 9 | 19 11 | 5n 9 | 1 23 | 21 59 | 1 14 | 18 13 | 1 41 | 23 59 | 0 55 | 22 45 | 0 29 | 22 21 | 0 55 | 19 25 | 0 10 | 12 41 | 0 41 | 6 34 | 16 37 | 2 22 | 2 51 | 19 56 | 18 5 | 5 16 |
| S 10 | 19 25 | 11 3 | 2 26 | 22 31 | 1 22 | 17 49 | 1 26 | 24 2 | 0 55 | 22 44 | 0 29 | 22 21 | 0 55 | 19 26 | 0 10 | 12 41 | 0 41 | 6 34 | 16 37 | 2 23 | 2 52 | 19 53 | 18 6 | 5 16 |
| M11 | 19 38 | 16 39 | 3 23 | 23 1 | 1 30 | 17 27 | 1 12 | 24 6 | 0 55 | 22 44 | 0 29 | 22 22 | 0 54 | 19 26 | 0 10 | 12 41 | 0 41 | 6 34 | 16 38 | 2 25 | 2 53 | 19 50 | 18 6 | 5 16 |
| T 12 | 19 51 | 21 36 | 4 10 | 23 29 | 1 37 | 17 5 | 0 58 | 24 9 | 0 55 | 22 44 | 0 29 | 22 23 | 0 54 | 19 27 | 0 10 | 12 41 | 0 41 | 6 33 | 16 38 | 2 29 | 2 55 | 19 48 | 18 7 | 5 16 |
| W13 | 20 4 | 25 29 | 4 44 | 23 53 | 1 43 | 16 43 | 0 44 | 24 12 | 0 56 | 22 43 | 0 29 | 22 23 | 0 54 | 19 28 | 0 10 | 12 41 | 0 41 | 6 33 | 16 38 | 2 32 | 2 56 | 19 45 | 18 7 | 5 16 |
| T 14 | 20 16 | 27 54 | 5 1 | 24 15 | 1 49 | 16 22 | 0 30 | 24 14 | 0 56 | 22 43 | 0 29 | 22 24 | 0 54 | 19 29 | 0 10 | 12 41 | 0 41 | 6 33 | 16 38 | 2 37 | 2 57 | 19 43 | 18 7 | 5 16 |
| F 15 | 20 28 | 28 30 | 4 59 | 24 34 | 1 54 | 16 3 | 0 17 | 24 17 | 0 56 | 22 43 | 0 29 | 22 24 | 0 54 | 19 30 | 0 10 | 12 41 | 0 41 | 6 33 | 16 38 | 2 40 | 2 58 | 19 40 | 18 8 | 5 16 |
| S 16 | 20 40 | 27 11 | 4 39 | 24 51 | 1 58 | 15 44 | 0 4 | 24 19 | 0 57 | 22 42 | 0 29 | 22 25 | 0 54 | 19 31 | 0 10 | 12 41 | 0 41 | 6 32 | 16 38 | 2 44 | 3 0 | 19 37 | 18 8 | 5 16 |
| S 17 | 20 51 | 24 3 | 4 1 | 25 5 | 2 2 | 15 26 | 0s 9 | 24 21 | 0 57 | 22 42 | 0 29 | 22 25 | 0 54 | 19 31 | 0 10 | 12 40 | 0 41 | 6 32 | 16 39 | 2 46 | 3 1 | 19 35 | 18 8 | 5 16 |
| M18 | 21 2 | 19 27 | 3 8 | 25 16 | 2 5 | 15 9 | 0 22 | 24 23 | 0 57 | 22 41 | 0 29 | 22 26 | 0 54 | 19 32 | 0 10 | 12 40 | 0 41 | 6 32 | 16 39 | 2 47 | 3 2 | 19 32 | 18 9 | 5 16 |
| T 19 | 21 12 | 13 48 | 2 4 | 25 25 | 2 7 | 14 53 | 0 34 | 24 25 | 0 57 | 22 41 | 0 28 | 22 26 | 0 54 | 19 33 | 0 10 | 12 40 | 0 41 | 6 32 | 16 39 | 2 48 | 3 3 | 19 29 | 18 9 | 5 16 |
| W20 | 21 23 | 7 30 | 0 53 | 25 32 | 2 8 | 14 38 | 0 46 | 24 26 | 0 58 | 22 40 | 0 28 | 22 27 | 0 53 | 19 34 | 0 10 | 12 40 | 0 41 | 6 32 | 16 39 | 2 48 | 3 5 | 19 27 | 18 9 | 5 15 |
| T 21 | 21 32 | 0 54 | 0s21 | 25 36 | 2 8 | 14 24 | 0 57 | 24 27 | 0 58 | 22 40 | 0 28 | 22 27 | 0 53 | 19 35 | 0 10 | 12 40 | 0 41 | 6 31 | 16 40 | 2 48 | 3 6 | 19 24 | 18 9 | 5 15 |
| F 22 | 21 42 | 5s39 | 1 32 | 25 38 | 2 8 | 14 12 | 1 8 | 24 29 | 0 58 | 22 40 | 0 28 | 22 28 | 0 53 | 19 35 | 0 10 | 12 40 | 0 41 | 6 31 | 16 40 | 2 48 | 3 7 | 19 21 | 18 10 | 5 15 |
| S 23 | 21 51 | 11 51 | 2 37 | 25 38 | 2 7 | 14 0 | 1 19 | 24 29 | 0 59 | 22 39 | 0 28 | 22 28 | 0 53 | 19 36 | 0 10 | 12 40 | 0 41 | 6 31 | 16 40 | 2 50 | 3 8 | 19 19 | 18 10 | 5 15 |
| S 24 | 22 0 | 17 26 | 3 33 | 25 37 | 2 5 | 13 50 | 1 29 | 24 30 | 0 59 | 22 39 | 0 28 | 22 29 | 0 53 | 19 37 | 0 10 | 12 40 | 0 41 | 6 31 | 16 40 | 2 52 | 3 10 | 19 16 | 18 10 | 5 15 |
| M25 | 22 8 | 22 7 | 4 16 | 25 33 | 2 3 | 13 41 | 1 39 | 24 31 | 0 59 | 22 38 | 0 28 | 22 29 | 0 53 | 19 38 | 0 10 | 12 40 | 0 41 | 6 31 | 16 40 | 2 55 | 3 11 | 19 13 | 18 10 | 5 15 |
| T 26 | 22 16 | 25 38 | 4 45 | 25 27 | 1 59 | 13 32 | 1 49 | 24 31 | 0 59 | 22 38 | 0 28 | 22 30 | 0 53 | 19 38 | 0 10 | 12 41 | 0 41 | 6 31 | 16 41 | 3 0 | 3 12 | 19 11 | 18 11 | 5 15 |
| W27 | 22 24 | 27 48 | 4 59 | 25 20 | 1 55 | 13 25 | 1 58 | 24 31 | 1 0 | 22 37 | 0 28 | 22 30 | 0 53 | 19 39 | 0 10 | 12 41 | 0 41 | 6 31 | 16 41 | 3 5 | 3 13 | 19 8 | 18 11 | 5 15 |
| T 28 | 22 31 | 28 29 | 4 58 | 25 12 | 1 51 | 13 19 | 2 6 | 24 31 | 1 0 | 22 37 | 0 27 | 22 31 | 0 53 | 19 40 | 0 10 | 12 41 | 0 41 | 6 31 | 16 41 | 3 10 | 3 15 | 19 5 | 18 11 | 5 15 |
| F 29 | 22 38 | 27 44 | 4 43 | 25 1 | 1 45 | 13 15 | 2 14 | 24 31 | 1 0 | 22 36 | 0 27 | 22 31 | 0 53 | 19 41 | 0 10 | 12 41 | 0 41 | 6 30 | 16 41 | 3 14 | 3 16 | 19 3 | 18 11 | 5 15 |
| S 30 | 22 44 | 25 39 | 4 16 | 24 50 | 1 39 | 13 11 | 2 22 | 24 30 | 1 0 | 22 36 | 0 27 | 22 32 | 0 52 | 19 42 | 0 10 | 12 41 | 0 41 | 6 30 | 16 42 | 3 18 | 3 17 | 19 0 | 18 12 | 5 15 |
| S 31 | 22n50 | 22s26 | 3s37 | 24n37 | 1n33 | 13n 8 | 2s29 | 24n29 | 1n 1 | 22s35 | 0n27 | 22n32 | 0s52 | 19n42 | 0s10 | 12s41 | 0s42 | 6s30 | 16s42 | 3s22 | 3s18 | 18s57 | 18n12 | 5s15 |

Julian Day Number = 2216091.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'54, Lahiri = 14°51'54 Julian Calendar 1 May 1355 == Greg. Calendar 9 May 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## JUNE 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 7 39 | 17♊24'21 | 17♒28 | 11♋59 | 12♉17 | 4♋ 6 | 18°R29 | 24♊31 | 28♉26 | 28°R31 | 23♈ 9 | 21°R28 | 21♓38 | 16♒ 9 | 25♊31 | M 1 |
| T 2 | 17 11 36 | 18°21'34 | 29°17 | 13° 9 | 12°35 | 4°45 | 18♐21 | 24°39 | 28°29 | 28♒30 | 23°10 | 21♓26 | 21°35 | 16°15 | 25°37 | T 2 |
| W 3 | 17 15 33 | 19°18'47 | 11♓ 8 | 14°15 | 12°54 | 5°24 | 18°14 | 24°47 | 28°33 | 28°30 | 23°10 | 21°25 | 21°32 | 16°22 | 25°43 | W 3 |
| T 4 | 17 19 29 | 20°16'00 | 23° 5 | 15°19 | 13°15 | 6° 3 | 18° 6 | 24°55 | 28°36 | 28°30 | 23°11 | 21°24 | 21°29 | 16°29 | 25°49 | T 4 |
| F 5 | 17 23 26 | 21°13'13 | 5♈16 | 16°19 | 13°38 | 6°42 | 17°58 | 25° 3 | 28°39 | 28°29 | 23°12 | 21°24 | 21°26 | 16°35 | 25°55 | F 5 |
| S 6 | 17 27 22 | 22°10'25 | 17°44 | 17°16 | 14° 3 | 7°21 | 17°51 | 25°10 | 28°43 | 28°29 | 23°13 | 21°23 | 21°22 | 16°42 | 26° 1 | S 6 |
| S 7 | 17 31 19 | 23° 7'38 | 0♉34 | 18°10 | 14°29 | 8° 0 | 17°43 | 25°18 | 28°46 | 28°29 | 23°14 | 21°19 | 21°19 | 16°49 | 26° 7 | S 7 |
| M 8 | 17 35 15 | 24° 4'50 | 13°50 | 19° 0 | 14°56 | 8°38 | 17°35 | 25°26 | 28°49 | 28°28 | 23°15 | 21°13 | 21°16 | 16°55 | 26°13 | M 8 |
| T 9 | 17 39 12 | 25° 2'03 | 27°33 | 19°47 | 15°26 | 9°17 | 17°28 | 25°34 | 28°53 | 28°28 | 23°15 | 21° 4 | 21°13 | 17° 2 | 26°18 | T 9 |
| W10 | 17 43 8 | 25°59'15 | 11♊41 | 20°30 | 15°56 | 9°56 | 17°20 | 25°42 | 28°56 | 28°27 | 23°16 | 20°54 | 21°10 | 17° 9 | 26°24 | W10 |
| T 11 | 17 47 5 | 26°56'28 | 26°10 | 21° 8 | 16°28 | 10°35 | 17°13 | 25°50 | 28°59 | 28°26 | 23°17 | 20°42 | 21° 7 | 17°15 | 26°30 | T 11 |
| F 12 | 17 51 2 | 27°53'40 | 10♋54 | 21°43 | 17° 2 | 11°13 | 17° 5 | 25°57 | 29° 2 | 28°26 | 23°17 | 20°31 | 21° 3 | 17°22 | 26°36 | F 12 |
| S 13 | 17 54 58 | 28°50'52 | 25°44 | 22°14 | 17°36 | 11°52 | 16°58 | 26° 5 | 29° 5 | 28°25 | 23°18 | 20°22 | 21° 0 | 17°29 | 26°42 | S 13 |
| S 14 | 17 58 55 | 29°48'04 | 10♌32 | 22°41 | 18°12 | 12°31 | 16°51 | 26°13 | 29° 9 | 28°25 | 23°19 | 20°15 | 20°57 | 17°35 | 26°48 | S 14 |
| M15 | 18 2 51 | 0♋45'15 | 25°11 | 23° 3 | 18°49 | 13° 9 | 16°43 | 26°21 | 29°12 | 28°24 | 23°19 | 20°11 | 20°54 | 17°42 | 26°54 | M15 |
| T 16 | 18 6 48 | 1°42'26 | 9♍36 | 23°21 | 19°27 | 13°48 | 16°36 | 26°29 | 29°15 | 28°23 | 23°20 | 20°10 | 20°51 | 17°49 | 27° 0 | T 16 |
| W17 | 18 10 44 | 2°39'37 | 23°44 | 23°35 | 20° 7 | 14°27 | 16°29 | 26°37 | 29°18 | 28°23 | 23°21 | 20°D 9 | 20°47 | 17°55 | 27° 6 | W17 |
| T 18 | 18 14 41 | 3°36'47 | 7♎35 | 23°43 | 20°47 | 15° 5 | 16°22 | 26°44 | 29°21 | 28°22 | 23°21 | 20°R 9 | 20°44 | 18° 2 | 27°12 | T 18 |
| F 19 | 18 18 38 | 4°33'57 | 21° 9 | 23°R48 | 21°28 | 15°44 | 16°15 | 26°52 | 29°24 | 28°21 | 23°22 | 20° 8 | 20°41 | 18° 9 | 27°17 | F 19 |
| S 20 | 18 22 34 | 5°31'07 | 4♏28 | 23°47 | 22°11 | 16°22 | 16° 8 | 27° 0 | 29°27 | 28°20 | 23°22 | 20° 6 | 20°38 | 18°15 | 27°23 | S 20 |
| S 21 | 18 26 31 | 6°28'17 | 17°33 | 23°42 | 22°54 | 17° 1 | 16° 1 | 27° 8 | 29°30 | 28°19 | 23°23 | 20° 0 | 20°35 | 18°22 | 27°29 | S 21 |
| M22 | 18 30 27 | 7°25'27 | 0♐26 | 23°32 | 23°38 | 17°40 | 15°55 | 27°16 | 29°33 | 28°19 | 23°23 | 19°52 | 20°32 | 18°29 | 27°35 | M22 |
| T 23 | 18 34 24 | 8°22'37 | 13° 7 | 23°17 | 24°23 | 18°18 | 15°48 | 27°23 | 29°36 | 28°18 | 23°24 | 19°42 | 20°28 | 18°35 | 27°41 | T 23 |
| W24 | 18 38 20 | 9°19'47 | 25°36 | 22°58 | 25° 9 | 18°57 | 15°41 | 27°31 | 29°39 | 28°17 | 23°24 | 19°30 | 20°25 | 18°42 | 27°47 | W24 |
| T 25 | 18 42 17 | 10°16'58 | 7♑56 | 22°35 | 25°56 | 19°35 | 15°35 | 27°39 | 29°42 | 28°16 | 23°25 | 19°18 | 20°22 | 18°49 | 27°53 | T 25 |
| F 26 | 18 46 13 | 11°14'08 | 20° 5 | 22° 8 | 26°43 | 20°14 | 15°29 | 27°47 | 29°44 | 28°15 | 23°25 | 19° 6 | 20°19 | 18°55 | 27°58 | F 26 |
| S 27 | 18 50 10 | 12°11'19 | 2♒ 6 | 21°37 | 27°32 | 20°52 | 15°23 | 27°54 | 29°47 | 28°14 | 23°26 | 18°57 | 20°16 | 19° 2 | 28° 4 | S 27 |
| S 28 | 18 54 7 | 13° 8'30 | 14° 0 | 21° 3 | 28°21 | 21°31 | 15°17 | 28° 2 | 29°50 | 28°13 | 23°26 | 18°49 | 20°13 | 19° 9 | 28°10 | S 28 |
| M29 | 18 58 3 | 14° 5'42 | 25°49 | 20°27 | 29°11 | 22° 9 | 15°11 | 28°10 | 29°53 | 28°12 | 23°26 | 18°44 | 20° 9 | 19°15 | 28°16 | M29 |
| T 30 | 19 2 0 | 15♋ 2'54 | 7♓36 | 19♋48 | 0♊ 1 | 22♋48 | 15♐ 5 | 28♊17 | 29♉55 | 28♒11 | 23♈27 | 18♓42 | 20♓ 6 | 19♒22 | 28♊22 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n56 | 18s20 | 2s49 | 24n24 | 1n25 | 13n 6 | 2s36 | 24n28 | 1n 1 | 22s35 | 0n27 | 22n33 | 0s52 | 19n43 | 0s10 | 12s41 | 0s42 | 6s30 | 16s42 | 3s24 | 3s20 | 18s54 | 18n12 | 5s15 |
| T 2 | 23 1 | 13 33 | 1 54 | 24 9 | 1 17 | 13 5 | 2 43 | 24 27 | 1 1 | 22 34 | 0 27 | 22 33 | 0 52 | 19 44 | 0 10 | 12 41 | 0 42 | 6 30 | 16 42 | 3 25 | 3 21 | 18 52 | 18 12 | 5 15 |
| W 3 | 23 6 | 8 15 | 0 54 | 23 54 | 1 8 | 13 5 | 2 49 | 24 26 | 1 1 | 22 34 | 0 27 | 22 33 | 0 52 | 19 45 | 0 10 | 12 41 | 0 42 | 6 30 | 16 43 | 3 25 | 3 22 | 18 49 | 18 12 | 5 15 |
| T 4 | 23 10 | 2 37 | 0n 9 | 23 37 | 0 59 | 13 6 | 2 55 | 24 25 | 1 1 | 22 33 | 0 26 | 22 34 | 0 52 | 19 45 | 0 10 | 12 41 | 0 42 | 6 30 | 16 43 | 3 25 | 3 23 | 18 46 | 18 12 | 5 15 |
| F 5 | 23 14 | 3n13 | 1 13 | 23 20 | 0 49 | 13 7 | 3 0 | 24 23 | 1 2 | 22 33 | 0 26 | 22 34 | 0 52 | 19 46 | 0 10 | 12 42 | 0 42 | 6 30 | 16 43 | 3 25 | 3 25 | 18 44 | 18 12 | 5 15 |
| S 6 | 23 18 | 9 3 | 2 14 | 23 2 | 0 38 | 13 9 | 3 6 | 24 21 | 1 2 | 22 32 | 0 26 | 22 34 | 0 52 | 19 47 | 0 10 | 12 42 | 0 42 | 6 30 | 16 44 | 3 26 | 3 26 | 18 41 | 18 13 | 5 15 |
| S 7 | 23 21 | 14 42 | 3 11 | 22 44 | 0 27 | 13 12 | 3 10 | 24 19 | 1 2 | 22 31 | 0 26 | 22 35 | 0 52 | 19 48 | 0 10 | 12 42 | 0 42 | 6 30 | 16 44 | 3 27 | 3 27 | 18 38 | 18 13 | 5 15 |
| M 8 | 23 24 | 19 51 | 4 0 | 22 26 | 0 16 | 13 16 | 3 15 | 24 17 | 1 2 | 22 31 | 0 26 | 22 35 | 0 52 | 19 48 | 0 10 | 12 42 | 0 42 | 6 30 | 16 44 | 3 30 | 3 28 | 18 35 | 18 13 | 5 16 |
| T 9 | 23 26 | 24 9 | 4 36 | 22 7 | 0 3 | 13 21 | 3 19 | 24 14 | 1 3 | 22 30 | 0 26 | 22 36 | 0 52 | 19 49 | 0 10 | 12 42 | 0 42 | 6 30 | 16 44 | 3 33 | 3 30 | 18 33 | 18 13 | 5 16 |
| W10 | 23 28 | 27 10 | 4 57 | 21 48 | 0s 9 | 13 26 | 3 23 | 24 12 | 1 3 | 22 30 | 0 26 | 22 36 | 0 51 | 19 50 | 0 10 | 12 43 | 0 42 | 6 30 | 16 45 | 3 37 | 3 31 | 18 30 | 18 13 | 5 16 |
| T 11 | 23 29 | 28 27 | 4 59 | 21 29 | 0 23 | 13 31 | 3 26 | 24 9 | 1 3 | 22 29 | 0 25 | 22 36 | 0 51 | 19 50 | 0 10 | 12 43 | 0 42 | 6 30 | 16 45 | 3 42 | 3 32 | 18 27 | 18 13 | 5 16 |
| F 12 | 23 31 | 27 46 | 4 42 | 21 10 | 0 36 | 13 38 | 3 30 | 24 6 | 1 3 | 22 29 | 0 25 | 22 37 | 0 51 | 19 51 | 0 10 | 12 43 | 0 42 | 6 30 | 16 45 | 3 46 | 3 33 | 18 24 | 18 13 | 5 16 |
| S 13 | 23 31 | 25 6 | 4 6 | 20 51 | 0 51 | 13 44 | 3 33 | 24 3 | 1 3 | 22 28 | 0 25 | 22 37 | 0 51 | 19 52 | 0 10 | 12 43 | 0 42 | 6 30 | 16 46 | 3 50 | 3 35 | 18 22 | 18 13 | 5 16 |
| S 14 | 23 32 | 20 45 | 3 13 | 20 32 | 1 5 | 13 52 | 3 35 | 23 59 | 1 4 | 22 27 | 0 25 | 22 37 | 0 51 | 19 52 | 0 10 | 12 43 | 0 42 | 6 30 | 16 46 | 3 52 | 3 36 | 18 19 | 18 13 | 5 16 |
| M15 | 23 31 | 15 11 | 2 8 | 20 14 | 1 20 | 13 59 | 3 38 | 23 56 | 1 4 | 22 27 | 0 25 | 22 37 | 0 51 | 19 53 | 0 10 | 12 44 | 0 42 | 6 30 | 16 46 | 3 54 | 3 37 | 18 16 | 18 13 | 5 16 |
| T 16 | 23 31 | 8 51 | 0 56 | 19 56 | 1 35 | 14 7 | 3 40 | 23 52 | 1 4 | 22 26 | 0 25 | 22 38 | 0 51 | 19 54 | 0 10 | 12 44 | 0 42 | 6 30 | 16 47 | 3 55 | 3 38 | 18 13 | 18 13 | 5 16 |
| W17 | 23 30 | 2 12 | 0s19 | 19 39 | 1 50 | 14 16 | 3 42 | 23 48 | 1 4 | 22 26 | 0 25 | 22 38 | 0 51 | 19 54 | 0 10 | 12 44 | 0 42 | 6 30 | 16 47 | 3 55 | 3 40 | 18 11 | 18 13 | 5 16 |
| T 18 | 23 29 | 4s25 | 1 31 | 19 22 | 2 5 | 14 25 | 3 44 | 23 44 | 1 4 | 22 25 | 0 24 | 22 38 | 0 51 | 19 55 | 0 10 | 12 45 | 0 42 | 6 30 | 16 47 | 3 55 | 3 41 | 18 8 | 18 13 | 5 16 |
| F 19 | 23 27 | 10 42 | 2 36 | 19 7 | 2 21 | 14 34 | 3 45 | 23 40 | 1 4 | 22 25 | 0 24 | 22 39 | 0 51 | 19 56 | 0 10 | 12 45 | 0 42 | 6 30 | 16 47 | 3 55 | 3 42 | 18 5 | 18 13 | 5 17 |
| S 20 | 23 25 | 16 23 | 3 32 | 18 52 | 2 36 | 14 44 | 3 47 | 23 35 | 1 5 | 22 24 | 0 24 | 22 39 | 0 51 | 19 56 | 0 10 | 12 45 | 0 42 | 6 31 | 16 48 | 3 56 | 3 44 | 18 2 | 18 13 | 5 17 |
| S 21 | 23 22 | 21 12 | 4 15 | 18 38 | 2 51 | 14 54 | 3 48 | 23 31 | 1 5 | 22 24 | 0 24 | 22 39 | 0 51 | 19 57 | 0 10 | 12 46 | 0 42 | 6 31 | 16 48 | 3 58 | 3 45 | 17 59 | 18 13 | 5 17 |
| M22 | 23 19 | 24 57 | 4 45 | 18 25 | 3 6 | 15 4 | 3 48 | 23 26 | 1 5 | 22 23 | 0 24 | 22 39 | 0 51 | 19 58 | 0 10 | 12 46 | 0 42 | 6 31 | 16 48 | 4 2 | 3 46 | 17 57 | 18 13 | 5 17 |
| T 23 | 23 16 | 27 24 | 5 0 | 18 13 | 3 21 | 15 14 | 3 49 | 23 21 | 1 5 | 22 23 | 0 24 | 22 40 | 0 50 | 19 58 | 0 10 | 12 46 | 0 42 | 6 31 | 16 49 | 4 6 | 3 47 | 17 54 | 18 13 | 5 17 |
| W24 | 23 12 | 28 27 | 5 0 | 18 2 | 3 34 | 15 25 | 3 49 | 23 15 | 1 5 | 22 22 | 0 23 | 22 40 | 0 50 | 19 59 | 0 10 | 12 47 | 0 42 | 6 31 | 16 49 | 4 10 | 3 49 | 17 51 | 18 13 | 5 17 |
| T 25 | 23 8 | 28 3 | 4 46 | 17 53 | 3 48 | 15 35 | 3 50 | 23 10 | 1 5 | 22 21 | 0 23 | 22 40 | 0 50 | 20 0 | 0 10 | 12 47 | 0 42 | 6 31 | 16 49 | 4 15 | 3 50 | 17 48 | 18 13 | 5 17 |
| F 26 | 23 3 | 26 17 | 4 19 | 17 45 | 4 0 | 15 46 | 3 50 | 23 5 | 1 6 | 22 21 | 0 23 | 22 40 | 0 50 | 20 0 | 0 10 | 12 47 | 0 42 | 6 31 | 16 50 | 4 20 | 3 51 | 17 45 | 18 13 | 5 18 |
| S 27 | 22 58 | 23 21 | 3 41 | 17 38 | 4 12 | 15 57 | 3 49 | 22 59 | 1 6 | 22 20 | 0 23 | 22 40 | 0 50 | 20 1 | 0 10 | 12 48 | 0 42 | 6 31 | 16 50 | 4 23 | 3 52 | 17 42 | 18 13 | 5 18 |
| S 28 | 22 52 | 19 27 | 2 54 | 17 33 | 4 22 | 16 8 | 3 49 | 22 53 | 1 6 | 22 20 | 0 23 | 22 40 | 0 50 | 20 1 | 0 10 | 12 48 | 0 42 | 6 32 | 16 50 | 4 26 | 3 54 | 17 40 | 18 13 | 5 18 |
| M29 | 22 47 | 14 49 | 1 59 | 17 30 | 4 31 | 16 19 | 3 49 | 22 47 | 1 6 | 22 20 | 0 22 | 22 41 | 0 50 | 20 2 | 0 10 | 12 48 | 0 42 | 6 32 | 16 51 | 4 28 | 3 55 | 17 37 | 18 13 | 5 18 |
| T 30 | 22n40 | 9s39 | 0s59 | 17n28 | 4s38 | 16n31 | 3s48 | 22n41 | 1n 6 | 22s19 | 0n22 | 22n41 | 0s50 | 20n 3 | 0s10 | 12s49 | 0s42 | 6s32 | 16s51 | 4s29 | 3s56 | 17s34 | 18n13 | 5s18 |

Julian Day Number = 2216122.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°44'58, Lahiri = 14°51'58 Julian Calendar 1 June 1355 == Greg. Calendar 9 June 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## JULY 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 5 56 | 16♋ 0'07 | 19♓26 | 19°R 8 | 0♊52 | 23♋26 | 14°R59 | 28♊25 | 29♉58 | 28°R10 | 23♈27 | 18°D41 | 20♓ 3 | 19♒29 | 28♊27 | W 1 |
| T 2 | 19 9 53 | 16°57'21 | 1♈23 | 18♋27 | 1°44 | 24° 4 | 14♐54 | 28°32 | 0♊ 1 | 28♒ 8 | 23°27 | 18♓41 | 20° 0 | 19°35 | 28°33 | T 2 |
| F 3 | 19 13 49 | 17°54'36 | 13°32 | 17°46 | 2°36 | 24°43 | 14°48 | 28°40 | 0° 3 | 28° 7 | 23°28 | 18°R42 | 19°57 | 19°42 | 28°39 | F 3 |
| S 4 | 19 17 46 | 18°51'51 | 25°59 | 17° 6 | 3°29 | 25°21 | 14°43 | 28°48 | 0° 6 | 28° 6 | 23°28 | 18°42 | 19°53 | 19°49 | 28°44 | S 4 |
| S 5 | 19 21 42 | 19°49'07 | 8♉48 | 16°27 | 4°23 | 26° 0 | 14°38 | 28°55 | 0° 9 | 28° 5 | 23°28 | 18°40 | 19°50 | 19°55 | 28°50 | S 5 |
| M 6 | 19 25 39 | 20°46'24 | 22° 2 | 15°50 | 5°17 | 26°38 | 14°33 | 29° 3 | 0°11 | 28° 4 | 23°29 | 18°36 | 19°47 | 20° 2 | 28°56 | M 6 |
| T 7 | 19 29 36 | 21°43'42 | 5♊46 | 15°16 | 6°11 | 27°16 | 14°28 | 29°10 | 0°14 | 28° 3 | 23°29 | 18°31 | 19°44 | 20° 9 | 29° 1 | T 7 |
| W 8 | 19 33 32 | 22°41'01 | 19°58 | 14°45 | 7° 6 | 27°55 | 14°24 | 29°18 | 0°16 | 28° 1 | 23°29 | 18°23 | 19°41 | 20°15 | 29° 7 | W 8 |
| T 9 | 19 37 29 | 23°38'21 | 4♋35 | 14°18 | 8° 2 | 28°33 | 14°19 | 29°25 | 0°19 | 28° 0 | 23°29 | 18°15 | 19°38 | 20°22 | 29°13 | T 9 |
| F 10 | 19 41 25 | 24°35'42 | 19°31 | 13°55 | 8°58 | 29°12 | 14°15 | 29°32 | 0°21 | 27°59 | 23°29 | 18° 7 | 19°34 | 20°29 | 29°18 | F 10 |
| S 11 | 19 45 22 | 25°33'03 | 4♌38 | 13°38 | 9°55 | 29°50 | 14°11 | 29°40 | 0°23 | 27°57 | 23°29 | 18° 0 | 19°31 | 20°35 | 29°24 | S 11 |
| S 12 | 19 49 18 | 26°30'25 | 19°45 | 13°26 | 10°52 | 0♌28 | 14° 7 | 29°47 | 0°26 | 27°56 | 23°29 | 17°55 | 19°28 | 20°42 | 29°29 | S 12 |
| M13 | 19 53 15 | 27°27'48 | 4♍42 | 13°20 | 11°49 | 1° 7 | 14° 3 | 29°54 | 0°28 | 27°55 | 23°30 | 17°52 | 19°25 | 20°49 | 29°35 | M13 |
| T 14 | 19 57 11 | 28°25'12 | 19°24 | 13°D19 | 12°47 | 1°45 | 13°59 | 0♋ 2 | 0°30 | 27°53 | 23°30 | 17°D52 | 19°22 | 20°55 | 29°40 | T 14 |
| W15 | 20 1 8 | 29°22'36 | 3♎45 | 13°25 | 13°45 | 2°23 | 13°56 | 0° 9 | 0°32 | 27°52 | 23°30 | 17°52 | 19°19 | 21° 2 | 29°46 | W15 |
| T 16 | 20 5 5 | 0♌20'00 | 17°43 | 13°37 | 14°44 | 3° 1 | 13°52 | 0°16 | 0°34 | 27°51 | 23°R30 | 17°53 | 19°15 | 21° 9 | 29°51 | T 16 |
| F 17 | 20 9 1 | 1°17'26 | 1♏19 | 13°55 | 15°43 | 3°40 | 13°49 | 0°23 | 0°37 | 27°49 | 23°30 | 17°R54 | 19°12 | 21°15 | 29°56 | F 17 |
| S 18 | 20 12 58 | 2°14'52 | 14°33 | 14°20 | 16°42 | 4°18 | 13°46 | 0°30 | 0°39 | 27°48 | 23°30 | 17°53 | 19° 9 | 21°22 | 0♋ 2 | S 18 |
| S 19 | 20 16 54 | 3°12'18 | 27°29 | 14°52 | 17°42 | 4°56 | 13°44 | 0°37 | 0°41 | 27°46 | 23°30 | 17°51 | 19° 6 | 21°29 | 0° 7 | S 19 |
| M20 | 20 20 51 | 4° 9'46 | 10♐10 | 15°30 | 18°42 | 5°35 | 13°41 | 0°44 | 0°43 | 27°45 | 23°30 | 17°46 | 19° 3 | 21°35 | 0°12 | M20 |
| T 21 | 20 24 47 | 5° 7'15 | 22°37 | 16°14 | 19°42 | 6°13 | 13°39 | 0°51 | 0°45 | 27°43 | 23°29 | 17°40 | 18°59 | 21°42 | 0°17 | T 21 |
| W22 | 20 28 44 | 6° 4'44 | 4♑53 | 17° 5 | 20°43 | 6°51 | 13°36 | 0°58 | 0°47 | 27°42 | 23°29 | 17°33 | 18°56 | 21°49 | 0°23 | W22 |
| T 23 | 20 32 41 | 7° 2'14 | 16°59 | 18° 2 | 21°44 | 7°29 | 13°34 | 1° 5 | 0°48 | 27°40 | 23°29 | 17°25 | 18°53 | 21°55 | 0°28 | T 23 |
| F 24 | 20 36 37 | 7°59'46 | 28°59 | 19° 5 | 22°46 | 8° 8 | 13°32 | 1°12 | 0°50 | 27°39 | 23°29 | 17°18 | 18°50 | 22° 2 | 0°33 | F 24 |
| S 25 | 20 40 34 | 8°57'18 | 10♒52 | 20°14 | 23°47 | 8°46 | 13°31 | 1°19 | 0°52 | 27°37 | 23°29 | 17°13 | 18°47 | 22° 9 | 0°38 | S 25 |
| S 26 | 20 44 30 | 9°54'52 | 22°42 | 21°29 | 24°49 | 9°24 | 13°29 | 1°25 | 0°54 | 27°36 | 23°29 | 17° 8 | 18°44 | 22°15 | 0°43 | S 26 |
| M27 | 20 48 27 | 10°52'27 | 4♓30 | 22°49 | 25°52 | 10° 2 | 13°28 | 1°32 | 0°55 | 27°34 | 23°28 | 17° 6 | 18°40 | 22°22 | 0°48 | M27 |
| T 28 | 20 52 23 | 11°50'03 | 16°19 | 24°15 | 26°54 | 10°41 | 13°27 | 1°39 | 0°57 | 27°33 | 23°28 | 17°D 5 | 18°37 | 22°29 | 0°53 | T 28 |
| W29 | 20 56 20 | 12°47'41 | 28°11 | 25°45 | 27°57 | 11°19 | 13°26 | 1°45 | 0°59 | 27°31 | 23°28 | 17° 5 | 18°34 | 22°35 | 0°58 | W29 |
| T 30 | 21 0 16 | 13°45'20 | 10♈10 | 27°20 | 29° 0 | 11°57 | 13°25 | 1°52 | 1° 0 | 27°30 | 23°28 | 17° 7 | 18°31 | 22°42 | 1° 3 | T 30 |
| F 31 | 21 4 13 | 14♌43'01 | 22♈21 | 28♋59 | 0♋ 4 | 12♌35 | 13♐24 | 1♋58 | 1♊ 2 | 27♒28 | 23♈27 | 17♓ 8 | 18♓28 | 22♒49 | 1♋ 8 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n34 | 4s 8 | 0n 4 | 17n27 | 4s45 | 16n42 | 3s47 | 22n34 | 1n 6 | 22s19 | 0n22 | 22n41 | 0s50 | 20n 3 | 0s10 | 12s49 | 0s42 | 6s32 | 16s51 | 4s30 | 3s57 | 17s31 | 18n12 | 5s19 |
| T 2 | 22 27 | 1n35 | 1 7 | 17 28 | 4 49 | 16 53 | 3 46 | 22 28 | 1 6 | 22 18 | 0 22 | 22 41 | 0 50 | 20 4 | 0 10 | 12 50 | 0 43 | 6 32 | 16 52 | 4 29 | 3 59 | 17 28 | 18 12 | 5 19 |
| F 3 | 22 19 | 7 21 | 2 9 | 17 31 | 4 52 | 17 5 | 3 45 | 22 21 | 1 7 | 22 18 | 0 22 | 22 41 | 0 50 | 20 4 | 0 10 | 12 50 | 0 43 | 6 33 | 16 52 | 4 29 | 4 0 | 17 25 | 18 12 | 5 19 |
| S 4 | 22 12 | 12 57 | 3 6 | 17 35 | 4 53 | 17 16 | 3 44 | 22 14 | 1 7 | 22 17 | 0 22 | 22 41 | 0 50 | 20 5 | 0 10 | 12 50 | 0 43 | 6 33 | 16 52 | 4 29 | 4 1 | 17 23 | 18 12 | 5 19 |
| S 5 | 22 3 | 18 11 | 3 55 | 17 40 | 4 53 | 17 27 | 3 42 | 22 7 | 1 7 | 22 17 | 0 21 | 22 42 | 0 50 | 20 5 | 0 10 | 12 51 | 0 43 | 6 33 | 16 53 | 4 30 | 4 2 | 17 20 | 18 12 | 5 19 |
| M 6 | 21 55 | 22 45 | 4 34 | 17 46 | 4 50 | 17 38 | 3 41 | 22 0 | 1 7 | 22 17 | 0 21 | 22 42 | 0 50 | 20 6 | 0 10 | 12 51 | 0 43 | 6 33 | 16 53 | 4 31 | 4 4 | 17 17 | 18 12 | 5 20 |
| T 7 | 21 46 | 26 14 | 4 58 | 17 54 | 4 47 | 17 49 | 3 39 | 21 53 | 1 7 | 22 16 | 0 21 | 22 42 | 0 50 | 20 6 | 0 10 | 12 52 | 0 43 | 6 33 | 16 53 | 4 34 | 4 5 | 17 14 | 18 11 | 5 20 |
| W 8 | 21 37 | 28 13 | 5 6 | 18 3 | 4 41 | 18 0 | 3 37 | 21 45 | 1 7 | 22 16 | 0 21 | 22 42 | 0 50 | 20 7 | 0 10 | 12 52 | 0 43 | 6 34 | 16 54 | 4 37 | 4 6 | 17 11 | 18 11 | 5 20 |
| T 9 | 21 27 | 28 20 | 4 54 | 18 13 | 4 34 | 18 11 | 3 35 | 21 37 | 1 7 | 22 15 | 0 21 | 22 42 | 0 50 | 20 8 | 0 10 | 12 53 | 0 43 | 6 34 | 16 54 | 4 40 | 4 7 | 17 8 | 18 11 | 5 20 |
| F 10 | 21 17 | 26 25 | 4 22 | 18 24 | 4 26 | 18 22 | 3 33 | 21 29 | 1 7 | 22 15 | 0 21 | 22 42 | 0 49 | 20 8 | 0 10 | 12 53 | 0 43 | 6 34 | 16 54 | 4 43 | 4 9 | 17 5 | 18 11 | 5 21 |
| S 11 | 21 6 | 22 35 | 3 31 | 18 35 | 4 16 | 18 32 | 3 31 | 21 21 | 1 7 | 22 15 | 0 20 | 22 42 | 0 49 | 20 9 | 0 10 | 12 54 | 0 43 | 6 35 | 16 55 | 4 46 | 4 10 | 17 3 | 18 11 | 5 21 |
| S 12 | 20 56 | 17 15 | 2 25 | 18 47 | 4 5 | 18 42 | 3 29 | 21 13 | 1 8 | 22 15 | 0 20 | 22 42 | 0 49 | 20 9 | 0 10 | 12 54 | 0 43 | 6 35 | 16 55 | 4 48 | 4 11 | 17 0 | 18 10 | 5 21 |
| M13 | 20 45 | 10 55 | 1 10 | 19 0 | 3 53 | 18 52 | 3 26 | 21 5 | 1 8 | 22 14 | 0 20 | 22 42 | 0 49 | 20 10 | 0 10 | 12 55 | 0 43 | 6 35 | 16 55 | 4 49 | 4 12 | 16 57 | 18 10 | 5 21 |
| T 14 | 20 33 | 4 5 | 0s 8 | 19 13 | 3 40 | 19 2 | 3 24 | 20 57 | 1 8 | 22 14 | 0 20 | 22 42 | 0 49 | 20 10 | 0 10 | 12 55 | 0 43 | 6 35 | 16 56 | 4 49 | 4 14 | 16 54 | 18 10 | 5 22 |
| W15 | 20 21 | 2s47 | 1 25 | 19 26 | 3 26 | 19 12 | 3 21 | 20 48 | 1 8 | 22 14 | 0 20 | 22 42 | 0 49 | 20 10 | 0 10 | 12 56 | 0 43 | 6 36 | 16 56 | 4 49 | 4 15 | 16 51 | 18 10 | 5 22 |
| T 16 | 20 9 | 9 21 | 2 34 | 19 39 | 3 11 | 19 21 | 3 19 | 20 39 | 1 8 | 22 14 | 0 19 | 22 42 | 0 49 | 20 11 | 0 10 | 12 56 | 0 43 | 6 36 | 16 56 | 4 48 | 4 16 | 16 48 | 18 9 | 5 22 |
| F 17 | 19 57 | 15 18 | 3 33 | 19 52 | 2 56 | 19 30 | 3 16 | 20 30 | 1 8 | 22 13 | 0 19 | 22 42 | 0 49 | 20 11 | 0 10 | 12 57 | 0 43 | 6 36 | 16 57 | 4 48 | 4 17 | 16 45 | 18 9 | 5 23 |
| S 18 | 19 44 | 20 22 | 4 19 | 20 5 | 2 41 | 19 39 | 3 13 | 20 21 | 1 8 | 22 13 | 0 19 | 22 42 | 0 49 | 20 12 | 0 10 | 12 57 | 0 43 | 6 37 | 16 57 | 4 48 | 4 19 | 16 42 | 18 9 | 5 23 |
| S 19 | 19 31 | 24 22 | 4 50 | 20 17 | 2 25 | 19 48 | 3 10 | 20 12 | 1 8 | 22 13 | 0 19 | 22 42 | 0 49 | 20 12 | 0 10 | 12 58 | 0 43 | 6 37 | 16 57 | 4 49 | 4 20 | 16 39 | 18 8 | 5 23 |
| M20 | 19 17 | 27 6 | 5 6 | 20 29 | 2 9 | 19 56 | 3 7 | 20 3 | 1 8 | 22 13 | 0 19 | 22 42 | 0 49 | 20 13 | 0 10 | 12 58 | 0 43 | 6 37 | 16 58 | 4 51 | 4 21 | 16 36 | 18 8 | 5 23 |
| T 21 | 19 3 | 28 26 | 5 8 | 20 40 | 1 53 | 20 4 | 3 4 | 19 53 | 1 8 | 22 13 | 0 19 | 22 42 | 0 49 | 20 13 | 0 10 | 12 59 | 0 43 | 6 38 | 16 58 | 4 53 | 4 22 | 16 34 | 18 8 | 5 24 |
| W22 | 18 49 | 28 21 | 4 55 | 20 49 | 1 37 | 20 12 | 3 1 | 19 44 | 1 8 | 22 13 | 0 18 | 22 42 | 0 49 | 20 13 | 0 10 | 12 59 | 0 43 | 6 38 | 16 58 | 4 56 | 4 24 | 16 31 | 18 7 | 5 24 |
| T 23 | 18 35 | 26 54 | 4 29 | 20 58 | 1 21 | 20 19 | 2 58 | 19 34 | 1 9 | 22 13 | 0 18 | 22 42 | 0 49 | 20 14 | 0 10 | 13 0 | 0 43 | 6 38 | 16 59 | 4 59 | 4 25 | 16 28 | 18 7 | 5 24 |
| F 24 | 18 20 | 24 13 | 3 52 | 21 5 | 1 6 | 20 26 | 2 54 | 19 24 | 1 9 | 22 13 | 0 18 | 22 42 | 0 49 | 20 14 | 0 10 | 13 0 | 0 43 | 6 39 | 16 59 | 5 2 | 4 26 | 16 25 | 18 7 | 5 25 |
| S 25 | 18 5 | 20 31 | 3 4 | 21 10 | 0 50 | 20 32 | 2 51 | 19 14 | 1 9 | 22 12 | 0 18 | 22 42 | 0 49 | 20 15 | 0 10 | 13 1 | 0 43 | 6 39 | 16 59 | 5 4 | 4 27 | 16 22 | 18 6 | 5 25 |
| S 26 | 17 50 | 16 2 | 2 9 | 21 13 | 0 35 | 20 38 | 2 47 | 19 4 | 1 9 | 22 12 | 0 18 | 22 42 | 0 49 | 20 15 | 0 10 | 13 1 | 0 43 | 6 39 | 17 0 | 5 6 | 4 29 | 16 19 | 18 6 | 5 25 |
| M27 | 17 34 | 10 57 | 1 8 | 21 15 | 0 21 | 20 44 | 2 44 | 18 54 | 1 9 | 22 12 | 0 18 | 22 42 | 0 49 | 20 15 | 0 10 | 13 2 | 0 43 | 6 40 | 17 0 | 5 7 | 4 30 | 16 16 | 18 6 | 5 26 |
| T 28 | 17 18 | 5 29 | 0 4 | 21 14 | 0 7 | 20 49 | 2 40 | 18 44 | 1 9 | 22 13 | 0 17 | 22 42 | 0 49 | 20 16 | 0 10 | 13 3 | 0 43 | 6 40 | 17 0 | 5 7 | 4 31 | 16 13 | 18 5 | 5 26 |
| W29 | 17 2 | 0n12 | 1n 0 | 21 11 | 0n 6 | 20 54 | 2 37 | 18 33 | 1 9 | 22 13 | 0 17 | 22 42 | 0 49 | 20 16 | 0 10 | 13 3 | 0 43 | 6 41 | 17 1 | 5 7 | 4 32 | 16 10 | 18 5 | 5 27 |
| T 30 | 16 45 | 5 56 | 2 3 | 21 5 | 0 19 | 20 58 | 2 33 | 18 22 | 1 9 | 22 13 | 0 17 | 22 42 | 0 49 | 20 16 | 0 10 | 13 4 | 0 43 | 6 41 | 17 1 | 5 6 | 4 34 | 16 7 | 18 4 | 5 27 |
| F 31 | 16n29 | 11n32 | 3n 1 | 20n56 | 0n31 | 21n 2 | 2s29 | 18n12 | 1n 9 | 22s13 | 0n17 | 22n42 | 0s49 | 20n17 | 0s10 | 13s 4 | 0s43 | 6s41 | 17s 1 | 5s 6 | 4s35 | 16s 4 | 18n 4 | 5s27 |

Julian Day Number = 2216152.5, Delta T = 09m01s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'02, Lahiri = 14°52'02 Julian Calendar 1 July 1355 == Greg. Calendar 9 July 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## AUGUST 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 8 9 | 15♌40'43 | 4♉47 | 0♌42 | 1♋ 8 | 13♌13 | 13°R24 | 2♋ 5 | 1♊ 3 | 27°R26 | 23°R27 | 17♓10 | 18♓25 | 22♒55 | 1♋12 | S 1 |
| S 2 | 21 12 6 | 16°38'27 | 17°34 | 2°28 | 2°11 | 13°52 | 13♐24 | 2°11 | 1° 5 | 27♒25 | 23♈27 | 17°R10 | 18°21 | 23° 2 | 1°17 | S 2 |
| M 3 | 21 16 3 | 17°36'13 | 0♊44 | 4°17 | 3°16 | 14°30 | 13°D24 | 2°18 | 1° 6 | 27°23 | 23°26 | 17°10 | 18°18 | 23° 9 | 1°22 | M 3 |
| T 4 | 21 19 59 | 18°34'00 | 14°21 | 6° 9 | 4°20 | 15° 8 | 13°24 | 2°24 | 1° 7 | 27°22 | 23°26 | 17° 8 | 18°15 | 23°15 | 1°27 | T 4 |
| W 5 | 21 23 56 | 19°31'50 | 28°27 | 8° 3 | 5°25 | 15°46 | 13°24 | 2°30 | 1° 9 | 27°20 | 23°26 | 17° 5 | 18°12 | 23°22 | 1°31 | W 5 |
| T 6 | 21 27 52 | 20°29'41 | 12♋58 | 9°59 | 6°30 | 16°24 | 13°25 | 2°36 | 1°10 | 27°18 | 23°25 | 17° 1 | 18° 9 | 23°29 | 1°36 | T 6 |
| F 7 | 21 31 49 | 21°27'34 | 27°51 | 11°56 | 7°35 | 17° 3 | 13°26 | 2°42 | 1°11 | 27°17 | 23°25 | 16°58 | 18° 5 | 23°35 | 1°40 | F 7 |
| S 8 | 21 35 45 | 22°25'28 | 13♌ 0 | 13°54 | 8°40 | 17°41 | 13°26 | 2°48 | 1°12 | 27°15 | 23°24 | 16°55 | 18° 2 | 23°42 | 1°45 | S 8 |
| S 9 | 21 39 42 | 23°23'24 | 28°13 | 15°53 | 9°46 | 18°19 | 13°28 | 2°54 | 1°13 | 27°13 | 23°24 | 16°53 | 17°59 | 23°49 | 1°49 | S 9 |
| M10 | 21 43 39 | 24°21'21 | 13♍22 | 17°52 | 10°52 | 18°57 | 13°29 | 3° 0 | 1°14 | 27°12 | 23°23 | 16°D52 | 17°56 | 23°55 | 1°53 | M10 |
| T 11 | 21 47 35 | 25°19'20 | 28°17 | 19°51 | 11°58 | 19°35 | 13°30 | 3° 6 | 1°15 | 27°10 | 23°23 | 16°52 | 17°53 | 24° 2 | 1°58 | T 11 |
| W12 | 21 51 32 | 26°17'20 | 12♎51 | 21°50 | 13° 4 | 20°14 | 13°32 | 3°12 | 1°16 | 27° 8 | 23°22 | 16°53 | 17°50 | 24° 8 | 2° 2 | W12 |
| T 13 | 21 55 28 | 27°15'22 | 27° 1 | 23°48 | 14°10 | 20°52 | 13°34 | 3°17 | 1°17 | 27° 7 | 23°22 | 16°54 | 17°46 | 24°15 | 2° 6 | T 13 |
| F 14 | 21 59 25 | 28°13'25 | 10♏45 | 25°46 | 15°17 | 21°30 | 13°36 | 3°23 | 1°18 | 27° 5 | 23°21 | 16°55 | 17°43 | 24°22 | 2°10 | F 14 |
| S 15 | 22 3 21 | 29°11'30 | 24° 3 | 27°44 | 16°23 | 22° 8 | 13°38 | 3°29 | 1°19 | 27° 4 | 23°21 | 16°R56 | 17°40 | 24°28 | 2°14 | S 15 |
| S 16 | 22 7 18 | 0♍ 9'36 | 6♐59 | 29°40 | 17°30 | 22°46 | 13°41 | 3°34 | 1°20 | 27° 2 | 23°20 | 16°56 | 17°37 | 24°35 | 2°18 | S 16 |
| M17 | 22 11 14 | 1° 7'43 | 19°35 | 1♍36 | 18°37 | 23°25 | 13°43 | 3°40 | 1°20 | 27° 0 | 23°19 | 16°55 | 17°34 | 24°42 | 2°22 | M17 |
| T 18 | 22 15 11 | 2° 5'52 | 1♑55 | 3°30 | 19°45 | 24° 3 | 13°46 | 3°45 | 1°21 | 26°59 | 23°19 | 16°54 | 17°31 | 24°48 | 2°26 | T 18 |
| W19 | 22 19 8 | 3° 4'03 | 14° 3 | 5°24 | 20°52 | 24°41 | 13°49 | 3°50 | 1°21 | 26°57 | 23°18 | 16°52 | 17°27 | 24°55 | 2°30 | W19 |
| T 20 | 22 23 4 | 4° 2'15 | 26° 1 | 7°16 | 22° 0 | 25°19 | 13°52 | 3°55 | 1°22 | 26°55 | 23°17 | 16°50 | 17°24 | 25° 2 | 2°34 | T 20 |
| F 21 | 22 27 1 | 5° 0'28 | 7♒54 | 9° 8 | 23° 7 | 25°57 | 13°55 | 4° 0 | 1°23 | 26°54 | 23°17 | 16°48 | 17°21 | 25° 8 | 2°37 | F 21 |
| S 22 | 22 30 57 | 5°58'44 | 19°43 | 10°58 | 24°15 | 26°36 | 13°59 | 4° 6 | 1°23 | 26°52 | 23°16 | 16°47 | 17°18 | 25°15 | 2°41 | S 22 |
| S 23 | 22 34 54 | 6°57'01 | 1♓31 | 12°47 | 25°24 | 27°14 | 14° 2 | 4°10 | 1°23 | 26°50 | 23°15 | 16°46 | 17°15 | 25°22 | 2°45 | S 23 |
| M24 | 22 38 50 | 7°55'20 | 13°21 | 14°35 | 26°32 | 27°52 | 14° 6 | 4°15 | 1°24 | 26°49 | 23°15 | 16°D45 | 17°11 | 25°28 | 2°48 | M24 |
| T 25 | 22 42 47 | 8°53'40 | 25°15 | 16°22 | 27°40 | 28°30 | 14°10 | 4°20 | 1°24 | 26°47 | 23°14 | 16°46 | 17° 8 | 25°35 | 2°52 | T 25 |
| W26 | 22 46 43 | 9°52'03 | 7♈15 | 18° 7 | 28°49 | 29° 8 | 14°14 | 4°25 | 1°24 | 26°46 | 23°13 | 16°46 | 17° 5 | 25°42 | 2°55 | W26 |
| T 27 | 22 50 40 | 10°50'27 | 19°22 | 19°52 | 29°58 | 29°46 | 14°19 | 4°30 | 1°24 | 26°44 | 23°12 | 16°47 | 17° 2 | 25°48 | 2°58 | T 27 |
| F 28 | 22 54 36 | 11°48'54 | 1♉41 | 21°35 | 1♌ 6 | 0♍25 | 14°23 | 4°34 | 1°24 | 26°42 | 23°11 | 16°47 | 16°59 | 25°55 | 3° 2 | F 28 |
| S 29 | 22 58 33 | 12°47'23 | 14°13 | 23°18 | 2°16 | 1° 3 | 14°28 | 4°39 | 1°25 | 26°41 | 23°11 | 16°48 | 16°56 | 26° 2 | 3° 5 | S 29 |
| S 30 | 23 2 30 | 13°45'54 | 27° 2 | 24°59 | 3°25 | 1°41 | 14°33 | 4°43 | 1°R25 | 26°39 | 23°10 | 16°48 | 16°52 | 26° 8 | 3° 8 | S 30 |
| M31 | 23 6 26 | 14♍44'27 | 10♊11 | 26♍39 | 4♌34 | 2♍19 | 14♐38 | 4♋47 | 1♊25 | 26♒38 | 23♈ 9 | 16°R48 | 16♓49 | 26♒15 | 3♋11 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n12 | 16n48 | 3n52 | 20n45 | 0n42 | 21n 6 | 2s25 | 18n 1 | 1n 9 | 22s13 | 0n17 | 22n42 | 0s49 | 20n17 | 0s10 | 13s 5 | 0s43 | 6s42 | 17s 2 | 5s 5 | 4s36 | 16s 1 | 18n 4 | 5s28 | S 1 |
| S 2 | 15 54 | 21 30 | 4 33 | 20 32 | 0 52 | 21 9 | 2 22 | 17 50 | 1 9 | 22 13 | 0 16 | 22 42 | 0 49 | 20 17 | 0 10 | 13 5 | 0 43 | 6 42 | 17 2 | 5 5 | 4 37 | 15 58 | 18 3 | 5 28 | S 2 |
| M 3 | 15 37 | 25 17 | 5 1 | 20 15 | 1 2 | 21 11 | 2 18 | 17 39 | 1 9 | 22 13 | 0 16 | 22 42 | 0 49 | 20 17 | 0 10 | 13 6 | 0 43 | 6 43 | 17 2 | 5 5 | 4 39 | 15 55 | 18 3 | 5 28 | M 3 |
| T 4 | 15 19 | 27 47 | 5 13 | 19 56 | 1 10 | 21 13 | 2 14 | 17 27 | 1 9 | 22 13 | 0 16 | 22 42 | 0 49 | 20 18 | 0 10 | 13 7 | 0 43 | 6 43 | 17 3 | 5 6 | 4 40 | 15 52 | 18 2 | 5 29 | T 4 |
| W 5 | 15 1 | 28 39 | 5 8 | 19 34 | 1 18 | 21 15 | 2 10 | 17 16 | 1 9 | 22 14 | 0 16 | 22 42 | 0 49 | 20 18 | 0 10 | 13 7 | 0 43 | 6 43 | 17 3 | 5 7 | 4 41 | 15 49 | 18 2 | 5 29 | W 5 |
| T 6 | 14 43 | 27 34 | 4 42 | 19 10 | 1 24 | 21 16 | 2 6 | 17 5 | 1 9 | 22 14 | 0 16 | 22 41 | 0 49 | 20 18 | 0 10 | 13 8 | 0 43 | 6 44 | 17 3 | 5 9 | 4 42 | 15 46 | 18 1 | 5 30 | T 6 |
| F 7 | 14 24 | 24 33 | 3 58 | 18 43 | 1 30 | 21 17 | 2 2 | 16 53 | 1 9 | 22 14 | 0 16 | 22 41 | 0 48 | 20 18 | 0 10 | 13 8 | 0 43 | 6 44 | 17 4 | 5 10 | 4 43 | 15 43 | 18 1 | 5 30 | F 7 |
| S 8 | 14 5 | 19 47 | 2 56 | 18 14 | 1 35 | 21 17 | 1 58 | 16 41 | 1 9 | 22 14 | 0 15 | 22 41 | 0 48 | 20 19 | 0 10 | 13 9 | 0 43 | 6 45 | 17 4 | 5 11 | 4 45 | 15 40 | 18 0 | 5 31 | S 8 |
| S 9 | 13 46 | 13 43 | 1 41 | 17 42 | 1 39 | 21 16 | 1 54 | 16 30 | 1 9 | 22 15 | 0 15 | 22 41 | 0 48 | 20 19 | 0 10 | 13 9 | 0 43 | 6 45 | 17 4 | 5 12 | 4 46 | 15 37 | 18 0 | 5 31 | S 9 |
| M10 | 13 27 | 6 52 | 0 19 | 17 9 | 1 42 | 21 15 | 1 50 | 16 18 | 1 9 | 22 15 | 0 15 | 22 41 | 0 48 | 20 19 | 0 10 | 13 10 | 0 43 | 6 46 | 17 4 | 5 12 | 4 47 | 15 34 | 17 59 | 5 31 | M10 |
| T 11 | 13 8 | 0s16 | 1s 3 | 16 34 | 1 44 | 21 14 | 1 46 | 16 6 | 1 9 | 22 15 | 0 15 | 22 41 | 0 48 | 20 19 | 0 10 | 13 11 | 0 43 | 6 46 | 17 5 | 5 12 | 4 48 | 15 31 | 17 59 | 5 32 | T 11 |
| W12 | 12 48 | 7 13 | 2 19 | 15 57 | 1 46 | 21 12 | 1 42 | 15 54 | 1 9 | 22 16 | 0 15 | 22 41 | 0 48 | 20 20 | 0 10 | 13 11 | 0 43 | 6 47 | 17 5 | 5 12 | 4 50 | 15 28 | 17 58 | 5 32 | W12 |
| T 13 | 12 28 | 13 37 | 3 24 | 15 18 | 1 47 | 21 9 | 1 38 | 15 41 | 1 9 | 22 16 | 0 15 | 22 41 | 0 48 | 20 20 | 0 10 | 13 12 | 0 43 | 6 47 | 17 5 | 5 11 | 4 51 | 15 25 | 17 58 | 5 33 | T 13 |
| F 14 | 12 8 | 19 8 | 4 15 | 14 39 | 1 47 | 21 6 | 1 34 | 15 29 | 1 9 | 22 17 | 0 14 | 22 41 | 0 48 | 20 20 | 0 10 | 13 12 | 0 43 | 6 47 | 17 6 | 5 11 | 4 52 | 15 22 | 17 57 | 5 33 | F 14 |
| S 15 | 11 48 | 23 33 | 4 51 | 13 58 | 1 46 | 21 2 | 1 29 | 15 17 | 1 9 | 22 17 | 0 14 | 22 40 | 0 48 | 20 20 | 0 10 | 13 13 | 0 43 | 6 48 | 17 6 | 5 11 | 4 53 | 15 19 | 17 57 | 5 34 | S 15 |
| S 16 | 11 27 | 26 40 | 5 11 | 13 16 | 1 45 | 20 58 | 1 25 | 15 4 | 1 9 | 22 17 | 0 14 | 22 40 | 0 48 | 20 20 | 0 10 | 13 13 | 0 43 | 6 48 | 17 6 | 5 11 | 4 55 | 15 16 | 17 56 | 5 34 | S 16 |
| M17 | 11 7 | 28 22 | 5 16 | 12 33 | 1 43 | 20 53 | 1 21 | 14 51 | 1 9 | 22 18 | 0 14 | 22 40 | 0 48 | 20 20 | 0 10 | 13 14 | 0 43 | 6 49 | 17 6 | 5 11 | 4 56 | 15 13 | 17 56 | 5 35 | M17 |
| T 18 | 10 46 | 28 36 | 5 5 | 11 49 | 1 41 | 20 48 | 1 17 | 14 39 | 1 9 | 22 18 | 0 14 | 22 40 | 0 48 | 20 21 | 0 10 | 13 15 | 0 43 | 6 49 | 17 7 | 5 12 | 4 57 | 15 10 | 17 55 | 5 35 | T 18 |
| W19 | 10 25 | 27 27 | 4 41 | 11 5 | 1 38 | 20 42 | 1 13 | 14 26 | 1 9 | 22 19 | 0 14 | 22 40 | 0 48 | 20 21 | 0 10 | 13 15 | 0 43 | 6 50 | 17 7 | 5 12 | 4 58 | 15 7 | 17 55 | 5 36 | W19 |
| T 20 | 10 4 | 25 2 | 4 5 | 10 20 | 1 35 | 20 35 | 1 9 | 14 13 | 1 9 | 22 19 | 0 13 | 22 40 | 0 48 | 20 21 | 0 10 | 13 16 | 0 43 | 6 50 | 17 7 | 5 13 | 5 0 | 15 4 | 17 54 | 5 36 | T 20 |
| F 21 | 9 43 | 21 34 | 3 19 | 9 35 | 1 31 | 20 28 | 1 5 | 14 0 | 1 9 | 22 20 | 0 13 | 22 40 | 0 48 | 20 21 | 0 10 | 13 16 | 0 43 | 6 51 | 17 7 | 5 14 | 5 1 | 15 1 | 17 53 | 5 37 | F 21 |
| S 22 | 9 21 | 17 14 | 2 24 | 8 49 | 1 27 | 20 21 | 1 1 | 13 47 | 1 9 | 22 21 | 0 13 | 22 40 | 0 48 | 20 21 | 0 10 | 13 17 | 0 43 | 6 51 | 17 8 | 5 14 | 5 2 | 14 58 | 17 53 | 5 37 | S 22 |
| S 23 | 8 59 | 12 16 | 1 24 | 8 3 | 1 22 | 20 13 | 0 56 | 13 34 | 1 9 | 22 21 | 0 13 | 22 39 | 0 48 | 20 21 | 0 10 | 13 17 | 0 43 | 6 52 | 17 8 | 5 15 | 5 3 | 14 55 | 17 52 | 5 38 | S 23 |
| M24 | 8 38 | 6 51 | 0 19 | 7 17 | 1 18 | 20 4 | 0 52 | 13 21 | 1 9 | 22 22 | 0 13 | 22 39 | 0 48 | 20 21 | 0 10 | 13 18 | 0 43 | 6 52 | 17 8 | 5 15 | 5 5 | 14 52 | 17 52 | 5 38 | M24 |
| T 25 | 8 16 | 1 11 | 0n47 | 6 31 | 1 12 | 19 55 | 0 48 | 13 7 | 1 9 | 22 22 | 0 13 | 22 39 | 0 48 | 20 21 | 0 10 | 13 19 | 0 43 | 6 53 | 17 8 | 5 15 | 5 6 | 14 49 | 17 51 | 5 39 | T 25 |
| W26 | 7 54 | 4n35 | 1 51 | 5 44 | 1 7 | 19 45 | 0 44 | 12 54 | 1 9 | 22 23 | 0 12 | 22 39 | 0 48 | 20 21 | 0 10 | 13 19 | 0 43 | 6 53 | 17 9 | 5 15 | 5 7 | 14 46 | 17 51 | 5 39 | W26 |
| T 27 | 7 32 | 10 15 | 2 51 | 4 58 | 1 1 | 19 35 | 0 40 | 12 40 | 1 9 | 22 24 | 0 12 | 22 39 | 0 48 | 20 21 | 0 10 | 13 20 | 0 43 | 6 54 | 17 9 | 5 14 | 5 8 | 14 43 | 17 50 | 5 40 | T 27 |
| F 28 | 7 9 | 15 36 | 3 45 | 4 12 | 0 55 | 19 24 | 0 36 | 12 27 | 1 9 | 22 24 | 0 12 | 22 39 | 0 48 | 20 21 | 0 10 | 13 20 | 0 43 | 6 54 | 17 9 | 5 14 | 5 10 | 14 40 | 17 49 | 5 40 | F 28 |
| S 29 | 6 47 | 20 25 | 4 28 | 3 26 | 0 49 | 19 12 | 0 32 | 12 13 | 1 9 | 22 25 | 0 12 | 22 39 | 0 48 | 20 21 | 0 10 | 13 21 | 0 43 | 6 55 | 17 9 | 5 14 | 5 11 | 14 37 | 17 49 | 5 41 | S 29 |
| S 30 | 6 24 | 24 25 | 4 59 | 2 39 | 0 43 | 19 0 | 0 28 | 11 59 | 1 9 | 22 26 | 0 12 | 22 38 | 0 48 | 20 21 | 0 10 | 13 21 | 0 43 | 6 55 | 17 10 | 5 14 | 5 12 | 14 34 | 17 48 | 5 41 | S 30 |
| M31 | 6n 2 | 27n15 | 5n16 | 1n54 | 0n36 | 18n48 | 0s24 | 11n46 | 1n 9 | 22s27 | 0n12 | 22n38 | 0s48 | 20n21 | 0s10 | 13s22 | 0s43 | 6s56 | 17s10 | 5s14 | 5s13 | 14s31 | 17n48 | 5s42 | M31 |

Julian Day Number = 2216183.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'06, Lahiri = 14°52'07 Julian Calendar 1 Aug. 1355 == Greg. Calendar 9 Aug. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## SEPTEMBER 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 10 23 | 15♍43'03 | 23♊41 | 28♍18 | 5♌44 | 2♍58 | 14♐43 | 4♋51 | 1°R25 | 26°R36 | 23°R 8 | 16°R48 | 16♓46 | 26♒22 | 3♋14 | T 1 |
| W 2 | 23 14 19 | 16°41'41 | 7♋35 | 29°57 | 6°53 | 3°36 | 14°48 | 4°56 | 1♊24 | 26♒35 | 23♈ 7 | 16°D48 | 16°43 | 26°28 | 3°17 | W 2 |
| T 3 | 23 18 16 | 17°40'21 | 21°52 | 1♎34 | 8° 3 | 4°14 | 14°54 | 5° 0 | 1°24 | 26°33 | 23° 6 | 16♓48 | 16°40 | 26°35 | 3°20 | T 3 |
| F 4 | 23 22 12 | 18°39'04 | 6♌30 | 3°10 | 9°13 | 4°52 | 14°59 | 5° 4 | 1°24 | 26°32 | 23° 5 | 16°48 | 16°37 | 26°42 | 3°22 | F 4 |
| S 5 | 23 26 9 | 19°37'48 | 21°25 | 4°45 | 10°23 | 5°30 | 15° 5 | 5° 7 | 1°24 | 26°30 | 23° 5 | 16°48 | 16°33 | 26°48 | 3°25 | S 5 |
| S 6 | 23 30 5 | 20°36'35 | 6♍28 | 6°19 | 11°33 | 6° 9 | 15°11 | 5°11 | 1°23 | 26°29 | 23° 4 | 16°48 | 16°30 | 26°55 | 3°28 | S 6 |
| M 7 | 23 34 2 | 21°35'24 | 21°33 | 7°53 | 12°43 | 6°47 | 15°17 | 5°15 | 1°23 | 26°27 | 23° 3 | 16°R49 | 16°27 | 27° 2 | 3°30 | M 7 |
| T 8 | 23 37 59 | 22°34'14 | 6♎29 | 9°25 | 13°54 | 7°25 | 15°24 | 5°18 | 1°23 | 26°26 | 23° 2 | 16°48 | 16°24 | 27° 8 | 3°32 | T 8 |
| W 9 | 23 41 55 | 23°33'07 | 21°10 | 10°57 | 15° 4 | 8° 3 | 15°30 | 5°22 | 1°22 | 26°24 | 23° 1 | 16°48 | 16°21 | 27°15 | 3°35 | W 9 |
| T 10 | 23 45 52 | 24°32'02 | 5♏28 | 12°27 | 16°15 | 8°42 | 15°37 | 5°25 | 1°22 | 26°23 | 23° 0 | 16°47 | 16°17 | 27°21 | 3°37 | T 10 |
| F 11 | 23 49 48 | 25°30'58 | 19°21 | 13°57 | 17°26 | 9°20 | 15°44 | 5°29 | 1°21 | 26°22 | 22°59 | 16°46 | 16°14 | 27°28 | 3°39 | F 11 |
| S 12 | 23 53 45 | 26°29'57 | 2♐47 | 15°25 | 18°37 | 9°58 | 15°50 | 5°32 | 1°20 | 26°20 | 22°58 | 16°45 | 16°11 | 27°35 | 3°41 | S 12 |
| S 13 | 23 57 41 | 27°28'57 | 15°48 | 16°53 | 19°47 | 10°36 | 15°57 | 5°35 | 1°20 | 26°19 | 22°57 | 16°44 | 16° 8 | 27°41 | 3°43 | S 13 |
| M14 | 0 1 38 | 28°27'59 | 28°25 | 18°20 | 20°59 | 11°15 | 16° 5 | 5°38 | 1°19 | 26°18 | 22°56 | 16°D44 | 16° 5 | 27°48 | 3°45 | M14 |
| T 15 | 0 5 34 | 29°27'03 | 10♑44 | 19°45 | 22°10 | 11°53 | 16°12 | 5°41 | 1°18 | 26°16 | 22°55 | 16°44 | 16° 2 | 27°55 | 3°47 | T 15 |
| W16 | 0 9 31 | 0♎26'08 | 22°49 | 21°10 | 23°21 | 12°31 | 16°19 | 5°43 | 1°17 | 26°15 | 22°54 | 16°45 | 15°58 | 28° 1 | 3°49 | W16 |
| T 17 | 0 13 28 | 1°25'16 | 4♒44 | 22°34 | 24°32 | 13°10 | 16°27 | 5°46 | 1°16 | 26°14 | 22°53 | 16°46 | 15°55 | 28° 8 | 3°51 | T 17 |
| F 18 | 0 17 24 | 2°24'25 | 16°33 | 23°56 | 25°44 | 13°48 | 16°35 | 5°49 | 1°15 | 26°12 | 22°52 | 16°48 | 15°52 | 28°15 | 3°52 | F 18 |
| S 19 | 0 21 21 | 3°23'36 | 28°21 | 25°18 | 26°56 | 14°26 | 16°43 | 5°51 | 1°14 | 26°11 | 22°51 | 16°49 | 15°49 | 28°21 | 3°54 | S 19 |
| S 20 | 0 25 17 | 4°22'49 | 10♓11 | 26°38 | 28° 7 | 15° 4 | 16°51 | 5°54 | 1°13 | 26°10 | 22°50 | 16°50 | 15°46 | 28°28 | 3°56 | S 20 |
| M21 | 0 29 14 | 5°22'04 | 22° 6 | 27°58 | 29°19 | 15°43 | 16°59 | 5°56 | 1°12 | 26° 9 | 22°48 | 16°R50 | 15°42 | 28°35 | 3°57 | M21 |
| T 22 | 0 33 10 | 6°21'20 | 4♈ 8 | 29°16 | 0♍31 | 16°21 | 17° 7 | 5°58 | 1°11 | 26° 8 | 22°47 | 16°49 | 15°39 | 28°41 | 3°58 | T 22 |
| W23 | 0 37 7 | 7°20'39 | 16°20 | 0♏32 | 1°43 | 16°59 | 17°16 | 6° 0 | 1°10 | 26° 6 | 22°46 | 16°47 | 15°36 | 28°48 | 3°59 | W23 |
| T 24 | 0 41 3 | 8°20'00 | 28°42 | 1°48 | 2°55 | 17°38 | 17°24 | 6° 2 | 1° 9 | 26° 5 | 22°45 | 16°44 | 15°33 | 28°55 | 4° 1 | T 24 |
| F 25 | 0 45 0 | 9°19'24 | 11♉17 | 3° 2 | 4° 7 | 18°16 | 17°33 | 6° 4 | 1° 8 | 26° 4 | 22°44 | 16°41 | 15°30 | 29° 1 | 4° 2 | F 25 |
| S 26 | 0 48 57 | 10°18'49 | 24° 4 | 4°14 | 5°20 | 18°54 | 17°42 | 6° 5 | 1° 6 | 26° 3 | 22°43 | 16°37 | 15°27 | 29° 8 | 4° 3 | S 26 |
| S 27 | 0 52 53 | 11°18'17 | 7♊ 4 | 5°24 | 6°32 | 19°33 | 17°51 | 6° 7 | 1° 5 | 26° 2 | 22°42 | 16°33 | 15°23 | 29°15 | 4° 3 | S 27 |
| M28 | 0 56 50 | 12°17'47 | 20°20 | 6°33 | 7°44 | 20°11 | 18° 0 | 6° 9 | 1° 4 | 26° 1 | 22°41 | 16°31 | 15°20 | 29°21 | 4° 4 | M28 |
| T 29 | 1 0 46 | 13°17'20 | 3♋51 | 7°40 | 8°57 | 20°49 | 18° 9 | 6°10 | 1° 2 | 26° 0 | 22°40 | 16°29 | 15°17 | 29°28 | 4° 5 | T 29 |
| W30 | 1 4 43 | 14♎16'55 | 17♋38 | 8♏44 | 10♍10 | 21♍28 | 18♐18 | 6♋11 | 1♊ 1 | 25♒59 | 22♈39 | 16°D29 | 15♓14 | 29♒34 | 4♋ 6 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n39 | 28n38 | 5n15 | 1n 8 | 0n30 | 18n35 | 0s20 | 11n32 | 1n 9 | 22s27 | 0n12 | 22n38 | 0s48 | 20n21 | 0s10 | 13s22 | 0s43 | 6s56 | 17s10 | 5s14 | 5s15 | 14s28 | 17n47 | 5s42 |
| W 2 | 5 16 | 28 15 | 4 57 | 0 22 | 0 23 | 18 21 | 0 17 | 11 18 | 1 9 | 22 28 | 0 11 | 22 38 | 0 48 | 20 21 | 0 10 | 13 23 | 0 43 | 6 57 | 17 10 | 5 14 | 5 16 | 14 25 | 17 46 | 5 43 |
| T 3 | 4 53 | 26 1 | 4 20 | 0s23 | 0 16 | 18 7 | 0 13 | 11 4 | 1 9 | 22 29 | 0 11 | 22 38 | 0 48 | 20 21 | 0 10 | 13 23 | 0 43 | 6 57 | 17 10 | 5 14 | 5 17 | 14 22 | 17 46 | 5 43 |
| F 4 | 4 30 | 22 2 | 3 26 | 1 8 | 0 9 | 17 52 | 0 9 | 10 50 | 1 9 | 22 30 | 0 11 | 22 38 | 0 48 | 20 21 | 0 10 | 13 24 | 0 43 | 6 58 | 17 11 | 5 14 | 5 18 | 14 19 | 17 45 | 5 44 |
| S 5 | 4 7 | 16 34 | 2 17 | 1 52 | 0 2 | 17 37 | 0 5 | 10 36 | 1 9 | 22 30 | 0 11 | 22 38 | 0 48 | 20 21 | 0 10 | 13 24 | 0 43 | 6 58 | 17 11 | 5 14 | 5 20 | 14 16 | 17 45 | 5 44 |
| S 6 | 3 44 | 10 3 | 0 57 | 2 36 | 0s 6 | 17 21 | 0 2 | 10 21 | 1 9 | 22 31 | 0 11 | 22 37 | 0 48 | 20 21 | 0 10 | 13 25 | 0 43 | 6 59 | 17 11 | 5 14 | 5 21 | 14 13 | 17 44 | 5 45 |
| M 7 | 3 21 | 2 58 | 0s26 | 3 20 | 0 13 | 17 5 | 0n 2 | 10 7 | 1 9 | 22 32 | 0 11 | 22 37 | 0 48 | 20 21 | 0 10 | 13 25 | 0 43 | 6 59 | 17 11 | 5 14 | 5 22 | 14 9 | 17 43 | 5 46 |
| T 8 | 2 58 | 4s13 | 1 47 | 4 3 | 0 20 | 16 48 | 0 6 | 9 53 | 1 9 | 22 33 | 0 10 | 22 37 | 0 48 | 20 21 | 0 10 | 13 26 | 0 43 | 7 0 | 17 11 | 5 14 | 5 23 | 14 6 | 17 43 | 5 46 |
| W 9 | 2 34 | 11 3 | 2 59 | 4 46 | 0 28 | 16 31 | 0 9 | 9 38 | 1 9 | 22 34 | 0 10 | 22 37 | 0 48 | 20 21 | 0 10 | 13 26 | 0 43 | 7 0 | 17 11 | 5 14 | 5 24 | 14 3 | 17 42 | 5 47 |
| T 10 | 2 11 | 17 8 | 3 59 | 5 28 | 0 35 | 16 14 | 0 13 | 9 24 | 1 9 | 22 35 | 0 10 | 22 37 | 0 48 | 20 21 | 0 10 | 13 27 | 0 43 | 7 1 | 17 12 | 5 14 | 5 26 | 14 0 | 17 41 | 5 47 |
| F 11 | 1 47 | 22 8 | 4 42 | 6 10 | 0 42 | 15 55 | 0 16 | 9 10 | 1 9 | 22 35 | 0 10 | 22 37 | 0 48 | 20 21 | 0 10 | 13 27 | 0 43 | 7 1 | 17 12 | 5 15 | 5 27 | 13 57 | 17 41 | 5 48 |
| S 12 | 1 24 | 25 49 | 5 8 | 6 51 | 0 50 | 15 37 | 0 20 | 8 55 | 1 9 | 22 36 | 0 10 | 22 37 | 0 48 | 20 20 | 0 10 | 13 28 | 0 43 | 7 2 | 17 12 | 5 15 | 5 28 | 13 54 | 17 40 | 5 48 |
| S 13 | 1 0 | 28 1 | 5 17 | 7 32 | 0 57 | 15 18 | 0 23 | 8 40 | 1 9 | 22 37 | 0 10 | 22 37 | 0 48 | 20 20 | 0 10 | 13 28 | 0 43 | 7 2 | 17 12 | 5 15 | 5 29 | 13 51 | 17 40 | 5 49 |
| M14 | 0 37 | 28 42 | 5 11 | 8 12 | 1 5 | 14 58 | 0 26 | 8 26 | 1 8 | 22 38 | 0 10 | 22 36 | 0 48 | 20 20 | 0 10 | 13 29 | 0 43 | 7 3 | 17 12 | 5 15 | 5 31 | 13 48 | 17 39 | 5 50 |
| T 15 | 0 13 | 27 54 | 4 50 | 8 52 | 1 12 | 14 38 | 0 30 | 8 11 | 1 8 | 22 39 | 0 10 | 22 36 | 0 48 | 20 20 | 0 10 | 13 29 | 0 43 | 7 3 | 17 12 | 5 15 | 5 32 | 13 45 | 17 38 | 5 50 |
| W16 | 0s10 | 25 48 | 4 17 | 9 31 | 1 19 | 14 18 | 0 33 | 7 56 | 1 8 | 22 40 | 0 9 | 22 36 | 0 48 | 20 20 | 0 10 | 13 30 | 0 43 | 7 4 | 17 13 | 5 15 | 5 33 | 13 42 | 17 38 | 5 51 |
| T 17 | 0 34 | 22 35 | 3 33 | 10 9 | 1 26 | 13 57 | 0 36 | 7 41 | 1 8 | 22 41 | 0 9 | 22 36 | 0 48 | 20 20 | 0 10 | 13 30 | 0 43 | 7 4 | 17 13 | 5 14 | 5 34 | 13 39 | 17 37 | 5 51 |
| F 18 | 0 58 | 18 28 | 2 40 | 10 46 | 1 34 | 13 36 | 0 39 | 7 27 | 1 8 | 22 42 | 0 9 | 22 36 | 0 48 | 20 19 | 0 10 | 13 30 | 0 43 | 7 5 | 17 13 | 5 14 | 5 36 | 13 35 | 17 36 | 5 52 |
| S 19 | 1 21 | 13 40 | 1 41 | 11 23 | 1 41 | 13 14 | 0 42 | 7 12 | 1 8 | 22 43 | 0 9 | 22 36 | 0 48 | 20 19 | 0 10 | 13 31 | 0 43 | 7 5 | 17 13 | 5 13 | 5 37 | 13 32 | 17 36 | 5 52 |
| S 20 | 1 45 | 8 21 | 0 37 | 11 59 | 1 47 | 12 52 | 0 45 | 6 57 | 1 8 | 22 44 | 0 9 | 22 36 | 0 48 | 20 19 | 0 10 | 13 31 | 0 43 | 7 6 | 17 13 | 5 13 | 5 38 | 13 29 | 17 35 | 5 53 |
| M21 | 2 8 | 2 42 | 0n29 | 12 34 | 1 54 | 12 30 | 0 48 | 6 42 | 1 8 | 22 45 | 0 9 | 22 36 | 0 48 | 20 19 | 0 10 | 13 32 | 0 43 | 7 6 | 17 13 | 5 13 | 5 39 | 13 26 | 17 34 | 5 54 |
| T 22 | 2 32 | 3n 5 | 1 34 | 13 8 | 2 1 | 12 7 | 0 51 | 6 27 | 1 8 | 22 45 | 0 9 | 22 36 | 0 48 | 20 19 | 0 10 | 13 32 | 0 43 | 7 6 | 17 13 | 5 13 | 5 41 | 13 23 | 17 34 | 5 54 |
| W23 | 2 55 | 8 50 | 2 36 | 13 41 | 2 7 | 11 44 | 0 53 | 6 12 | 1 8 | 22 46 | 0 8 | 22 35 | 0 48 | 20 18 | 0 10 | 13 32 | 0 43 | 7 7 | 17 13 | 5 14 | 5 42 | 13 20 | 17 33 | 5 55 |
| T 24 | 3 19 | 14 20 | 3 31 | 14 14 | 2 14 | 11 21 | 0 56 | 5 57 | 1 8 | 22 47 | 0 8 | 22 35 | 0 48 | 20 18 | 0 10 | 13 33 | 0 43 | 7 7 | 17 13 | 5 15 | 5 43 | 13 17 | 17 33 | 5 55 |
| F 25 | 3 42 | 19 20 | 4 16 | 14 45 | 2 20 | 10 57 | 0 59 | 5 41 | 1 7 | 22 48 | 0 8 | 22 35 | 0 48 | 20 18 | 0 10 | 13 33 | 0 43 | 7 8 | 17 13 | 5 17 | 5 44 | 13 14 | 17 32 | 5 56 |
| S 26 | 4 6 | 23 32 | 4 50 | 15 15 | 2 25 | 10 33 | 1 1 | 5 26 | 1 7 | 22 49 | 0 8 | 22 35 | 0 48 | 20 18 | 0 10 | 13 34 | 0 43 | 7 8 | 17 13 | 5 18 | 5 45 | 13 10 | 17 31 | 5 57 |
| S 27 | 4 29 | 26 39 | 5 10 | 15 44 | 2 31 | 10 8 | 1 4 | 5 11 | 1 7 | 22 50 | 0 8 | 22 35 | 0 48 | 20 17 | 0 10 | 13 34 | 0 43 | 7 9 | 17 14 | 5 19 | 5 47 | 13 7 | 17 31 | 5 57 |
| M28 | 4 53 | 28 23 | 5 13 | 16 12 | 2 36 | 9 43 | 1 6 | 4 56 | 1 7 | 22 51 | 0 8 | 22 35 | 0 48 | 20 17 | 0 10 | 13 34 | 0 43 | 7 9 | 17 14 | 5 20 | 5 48 | 13 4 | 17 30 | 5 58 |
| T 29 | 5 16 | 28 28 | 5 0 | 16 39 | 2 41 | 9 18 | 1 9 | 4 41 | 1 7 | 22 52 | 0 8 | 22 35 | 0 48 | 20 17 | 0 10 | 13 35 | 0 43 | 7 10 | 17 14 | 5 21 | 5 49 | 13 1 | 17 29 | 5 58 |
| W30 | 5s39 | 26n48 | 4n29 | 17s 5 | 2s46 | 8n53 | 1n11 | 4n25 | 1n 7 | 22s53 | 0n 8 | 22n35 | 0s48 | 20n16 | 0s10 | 13s35 | 0s43 | 7s10 | 17s14 | 5s21 | 5s50 | 12s58 | 17n29 | 5s59 |

Julian Day Number = 2216214.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'10, Lahiri = 14°52'11 Julian Calendar 1 Sept. 1355 == Greg. Calendar 9 Sept. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## OCTOBER 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 8 39 | 15♎16'32 | 1♌41 | 9♏46 | 11♍22 | 22♍ 6 | 18♐28 | 6♋13 | 0°R59 | 25°R58 | 22°R37 | 16♓30 | 15♓11 | 29♒41 | 4♋ 6 | T 1 |
| F 2 | 1 12 36 | 16°16'12 | 15°59 | 10°46 | 12°35 | 22°45 | 18°37 | 6°14 | 0♊58 | 25♒57 | 22♈36 | 16°31 | 15° 8 | 29°48 | 4° 7 | F 2 |
| S 3 | 1 16 32 | 17°15'54 | 0♍31 | 11°43 | 13°48 | 23°23 | 18°47 | 6°15 | 0°56 | 25°56 | 22°35 | 16°33 | 15° 4 | 29°54 | 4° 7 | S 3 |
| S 4 | 1 20 29 | 18°15'38 | 15°12 | 12°36 | 15° 1 | 24° 1 | 18°56 | 6°15 | 0°54 | 25°56 | 22°34 | 16°R33 | 15° 1 | 0♓ 1 | 4° 7 | S 4 |
| M 5 | 1 24 26 | 19°15'24 | 29°57 | 13°26 | 16°14 | 24°40 | 19° 6 | 6°16 | 0°53 | 25°55 | 22°33 | 16°33 | 14°58 | 0° 8 | 4° 7 | M 5 |
| T 6 | 1 28 22 | 20°15'12 | 14♎40 | 14°12 | 17°27 | 25°18 | 19°16 | 6°17 | 0°51 | 25°54 | 22°32 | 16°30 | 14°55 | 0°14 | 4°R 7 | T 6 |
| W 7 | 1 32 19 | 21°15'03 | 29°12 | 14°54 | 18°40 | 25°57 | 19°26 | 6°17 | 0°49 | 25°53 | 22°31 | 16°26 | 14°52 | 0°21 | 4° 7 | W 7 |
| T 8 | 1 36 15 | 22°14'55 | 13♏28 | 15°31 | 19°54 | 26°35 | 19°37 | 6°18 | 0°47 | 25°52 | 22°30 | 16°21 | 14°48 | 0°28 | 4° 7 | T 8 |
| F 9 | 1 40 12 | 23°14'50 | 27°22 | 16° 2 | 21° 7 | 27°13 | 19°47 | 6°18 | 0°46 | 25°52 | 22°28 | 16°15 | 14°45 | 0°34 | 4° 7 | F 9 |
| S 10 | 1 44 8 | 24°14'46 | 10♐52 | 16°28 | 22°20 | 27°52 | 19°57 | 6°18 | 0°44 | 25°51 | 22°27 | 16° 9 | 14°42 | 0°41 | 4° 7 | S 10 |
| S 11 | 1 48 5 | 25°14'44 | 23°57 | 16°48 | 23°34 | 28°30 | 20° 8 | 6°R18 | 0°42 | 25°50 | 22°26 | 16° 4 | 14°39 | 0°48 | 4° 6 | S 11 |
| M12 | 1 52 1 | 26°14'44 | 6♑38 | 17° 0 | 24°47 | 29° 9 | 20°18 | 6°18 | 0°40 | 25°50 | 22°25 | 16° 0 | 14°36 | 0°54 | 4° 6 | M12 |
| T 13 | 1 55 58 | 27°14'45 | 18°59 | 17°R 5 | 26° 1 | 29°47 | 20°29 | 6°18 | 0°38 | 25°49 | 22°24 | 15°58 | 14°33 | 1° 1 | 4° 6 | T 13 |
| W14 | 1 59 55 | 28°14'48 | 1♒ 4 | 17° 2 | 27°15 | 0♎26 | 20°40 | 6°18 | 0°36 | 25°49 | 22°23 | 15°D58 | 14°29 | 1° 8 | 4° 5 | W14 |
| T 15 | 2 3 51 | 29°14'52 | 12°58 | 16°49 | 28°28 | 1° 4 | 20°51 | 6°17 | 0°34 | 25°48 | 22°22 | 15°59 | 14°26 | 1°14 | 4° 4 | T 15 |
| F 16 | 2 7 48 | 0♏14'58 | 24°47 | 16°28 | 29°42 | 1°43 | 21° 2 | 6°17 | 0°32 | 25°48 | 22°20 | 16° 0 | 14°23 | 1°21 | 4° 3 | F 16 |
| S 17 | 2 11 44 | 1°15'06 | 6♓35 | 15°57 | 0♎56 | 2°21 | 21°13 | 6°16 | 0°30 | 25°47 | 22°19 | 16° 2 | 14°20 | 1°28 | 4° 3 | S 17 |
| S 18 | 2 15 41 | 2°15'16 | 18°27 | 15°16 | 2°10 | 3° 0 | 21°24 | 6°15 | 0°28 | 25°47 | 22°18 | 16°R 2 | 14°17 | 1°34 | 4° 2 | S 18 |
| M19 | 2 19 37 | 3°15'26 | 0♈28 | 14°26 | 3°24 | 3°38 | 21°35 | 6°14 | 0°25 | 25°46 | 22°17 | 16° 1 | 14°14 | 1°41 | 4° 0 | M19 |
| T 20 | 2 23 34 | 4°15'39 | 12°40 | 13°27 | 4°38 | 4°17 | 21°47 | 6°14 | 0°23 | 25°46 | 22°16 | 15°57 | 14°10 | 1°47 | 3°59 | T 20 |
| W21 | 2 27 30 | 5°15'54 | 25° 6 | 12°20 | 5°52 | 4°55 | 21°58 | 6°12 | 0°21 | 25°46 | 22°15 | 15°52 | 14° 7 | 1°54 | 3°58 | W21 |
| T 22 | 2 31 27 | 6°16'10 | 7♉46 | 11° 7 | 7° 6 | 5°34 | 22°10 | 6°11 | 0°19 | 25°45 | 22°14 | 15°44 | 14° 4 | 2° 1 | 3°57 | T 22 |
| F 23 | 2 35 23 | 7°16'28 | 20°41 | 9°50 | 8°20 | 6°12 | 22°21 | 6°10 | 0°17 | 25°45 | 22°13 | 15°35 | 14° 1 | 2° 7 | 3°55 | F 23 |
| S 24 | 2 39 20 | 8°16'47 | 3♊51 | 8°30 | 9°34 | 6°51 | 22°33 | 6° 9 | 0°14 | 25°45 | 22°12 | 15°25 | 13°58 | 2°14 | 3°54 | S 24 |
| S 25 | 2 43 17 | 9°17'09 | 17°13 | 7°11 | 10°48 | 7°29 | 22°45 | 6° 7 | 0°12 | 25°45 | 22°10 | 15°16 | 13°54 | 2°21 | 3°52 | S 25 |
| M26 | 2 47 13 | 10°17'33 | 0♋47 | 5°54 | 12° 3 | 8° 8 | 22°57 | 6° 5 | 0°10 | 25°44 | 22° 9 | 15° 8 | 13°51 | 2°27 | 3°51 | M26 |
| T 27 | 2 51 10 | 11°17'58 | 14°30 | 4°43 | 13°17 | 8°47 | 23° 9 | 6° 4 | 0° 7 | 25°44 | 22° 8 | 15° 3 | 13°48 | 2°34 | 3°49 | T 27 |
| W28 | 2 55 6 | 12°18'26 | 28°21 | 3°40 | 14°31 | 9°25 | 23°21 | 6° 2 | 0° 5 | 25°44 | 22° 7 | 15° 0 | 13°45 | 2°41 | 3°47 | W28 |
| T 29 | 2 59 3 | 13°18'55 | 12♌20 | 2°46 | 15°46 | 10° 4 | 23°33 | 6° 0 | 0° 3 | 25°44 | 22° 6 | 14°D59 | 13°42 | 2°47 | 3°45 | T 29 |
| F 30 | 3 2 59 | 14°19'26 | 26°25 | 2° 3 | 17° 0 | 10°42 | 23°45 | 5°58 | 0° 0 | 25°D44 | 22° 5 | 14°59 | 13°39 | 2°54 | 3°43 | F 30 |
| S 31 | 3 6 56 | 15♏19'59 | 10♍37 | 1♏31 | 18♎15 | 11♎21 | 23♐57 | 5♋56 | 29♉58 | 25♒44 | 22♈ 4 | 15°R 0 | 13♓35 | 3♓ 1 | 3♋41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s 2 | 23n27 | 3n42 | 17s29 | 2s50 | 8n27 | 1n13 | 4n10 | 1n 7 | 22s54 | 0n 7 | 22n35 | 0s48 | 20n16 | 0s10 | 13s35 | 0s43 | 7s11 | 17s14 | 5s21 | 5s52 | 12s55 | 17n28 | 6s 0 |
| F 2 | 6 25 | 18 38 | 2 40 | 17 51 | 2 54 | 8 1 | 1 15 | 3 55 | 1 7 | 22 55 | 0 7 | 22 35 | 0 48 | 20 16 | 0 10 | 13 36 | 0 43 | 7 11 | 17 14 | 5 20 | 5 53 | 12 52 | 17 28 | 6 0 |
| S 3 | 6 48 | 12 41 | 1 27 | 18 12 | 2 57 | 7 35 | 1 17 | 3 39 | 1 7 | 22 56 | 0 7 | 22 35 | 0 48 | 20 15 | 0 10 | 13 36 | 0 43 | 7 11 | 17 14 | 5 20 | 5 54 | 12 48 | 17 27 | 6 1 |
| S 4 | 7 11 | 5 58 | 0 7 | 18 32 | 3 0 | 7 8 | 1 19 | 3 24 | 1 6 | 22 57 | 0 7 | 22 35 | 0 48 | 20 15 | 0 10 | 13 36 | 0 43 | 7 12 | 17 14 | 5 20 | 5 55 | 12 45 | 17 26 | 6 2 |
| M 5 | 7 34 | 1s 6 | 1s13 | 18 49 | 3 2 | 6 42 | 1 21 | 3 8 | 1 6 | 22 58 | 0 7 | 22 35 | 0 48 | 20 15 | 0 10 | 13 36 | 0 43 | 7 12 | 17 14 | 5 20 | 5 57 | 12 42 | 17 26 | 6 2 |
| T 6 | 7 57 | 8 4 | 2 28 | 19 5 | 3 4 | 6 15 | 1 23 | 2 53 | 1 6 | 22 59 | 0 7 | 22 35 | 0 48 | 20 14 | 0 10 | 13 37 | 0 43 | 7 13 | 17 14 | 5 21 | 5 58 | 12 39 | 17 25 | 6 3 |
| W 7 | 8 19 | 14 32 | 3 32 | 19 18 | 3 5 | 5 47 | 1 24 | 2 38 | 1 6 | 23 0 | 0 7 | 22 35 | 0 48 | 20 14 | 0 10 | 13 37 | 0 43 | 7 13 | 17 14 | 5 22 | 5 59 | 12 36 | 17 24 | 6 3 |
| T 8 | 8 42 | 20 5 | 4 22 | 19 29 | 3 5 | 5 20 | 1 26 | 2 22 | 1 6 | 23 1 | 0 7 | 22 35 | 0 48 | 20 14 | 0 10 | 13 37 | 0 43 | 7 13 | 17 14 | 5 24 | 6 0 | 12 33 | 17 24 | 6 4 |
| F 9 | 9 4 | 24 25 | 4 54 | 19 38 | 3 4 | 4 53 | 1 28 | 2 7 | 1 6 | 23 1 | 0 6 | 22 35 | 0 48 | 20 13 | 0 10 | 13 37 | 0 43 | 7 14 | 17 14 | 5 27 | 6 1 | 12 29 | 17 23 | 6 5 |
| S 10 | 9 26 | 27 16 | 5 9 | 19 44 | 3 2 | 4 25 | 1 29 | 1 51 | 1 6 | 23 2 | 0 6 | 22 35 | 0 48 | 20 13 | 0 10 | 13 38 | 0 43 | 7 14 | 17 14 | 5 29 | 6 3 | 12 26 | 17 23 | 6 5 |
| S 11 | 9 48 | 28 31 | 5 8 | 19 46 | 2 59 | 3 57 | 1 30 | 1 36 | 1 5 | 23 3 | 0 6 | 22 35 | 0 48 | 20 13 | 0 10 | 13 38 | 0 43 | 7 15 | 17 14 | 5 31 | 6 4 | 12 23 | 17 22 | 6 6 |
| M12 | 10 10 | 28 12 | 4 51 | 19 46 | 2 55 | 3 29 | 1 32 | 1 20 | 1 5 | 23 4 | 0 6 | 22 35 | 0 48 | 20 12 | 0 10 | 13 38 | 0 43 | 7 15 | 17 14 | 5 32 | 6 5 | 12 20 | 17 22 | 6 6 |
| T 13 | 10 32 | 26 29 | 4 21 | 19 42 | 2 50 | 3 1 | 1 33 | 1 5 | 1 5 | 23 5 | 0 6 | 22 35 | 0 48 | 20 12 | 0 10 | 13 38 | 0 43 | 7 15 | 17 14 | 5 33 | 6 6 | 12 17 | 17 21 | 6 7 |
| W14 | 10 53 | 23 34 | 3 40 | 19 35 | 2 43 | 2 32 | 1 34 | 0 49 | 1 5 | 23 6 | 0 6 | 22 35 | 0 48 | 20 11 | 0 10 | 13 38 | 0 43 | 7 16 | 17 14 | 5 33 | 6 8 | 12 14 | 17 20 | 6 8 |
| T 15 | 11 15 | 19 41 | 2 50 | 19 24 | 2 35 | 2 4 | 1 35 | 0 34 | 1 5 | 23 7 | 0 6 | 22 35 | 0 48 | 20 11 | 0 10 | 13 39 | 0 43 | 7 16 | 17 14 | 5 33 | 6 9 | 12 10 | 17 20 | 6 8 |
| F 16 | 11 36 | 15 5 | 1 53 | 19 8 | 2 25 | 1 35 | 1 36 | 0 18 | 1 5 | 23 8 | 0 6 | 22 35 | 0 48 | 20 10 | 0 10 | 13 39 | 0 43 | 7 16 | 17 14 | 5 32 | 6 10 | 12 7 | 17 19 | 6 9 |
| S 17 | 11 57 | 9 55 | 0 51 | 18 48 | 2 13 | 1 7 | 1 37 | 0 3 | 1 4 | 23 9 | 0 5 | 22 35 | 0 48 | 20 10 | 0 10 | 13 39 | 0 43 | 7 17 | 17 13 | 5 32 | 6 11 | 12 4 | 17 19 | 6 9 |
| S 18 | 12 18 | 4 23 | 0n13 | 18 23 | 2 0 | 0 38 | 1 38 | 0s13 | 1 4 | 23 9 | 0 5 | 22 35 | 0 48 | 20 10 | 0 10 | 13 39 | 0 43 | 7 17 | 17 13 | 5 32 | 6 13 | 12 1 | 17 18 | 6 10 |
| M19 | 12 39 | 1n22 | 1 17 | 17 54 | 1 45 | 0 9 | 1 39 | 0 28 | 1 4 | 23 10 | 0 5 | 22 35 | 0 48 | 20 9 | 0 10 | 13 39 | 0 43 | 7 17 | 17 13 | 5 32 | 6 14 | 11 58 | 17 18 | 6 10 |
| T 20 | 12 59 | 7 9 | 2 19 | 17 20 | 1 28 | 0s19 | 1 39 | 0 44 | 1 4 | 23 11 | 0 5 | 22 35 | 0 48 | 20 9 | 0 10 | 13 39 | 0 43 | 7 18 | 17 13 | 5 34 | 6 15 | 11 54 | 17 17 | 6 11 |
| W21 | 13 19 | 12 46 | 3 15 | 16 42 | 1 10 | 0 48 | 1 40 | 0 59 | 1 4 | 23 12 | 0 5 | 22 35 | 0 48 | 20 8 | 0 10 | 13 39 | 0 43 | 7 18 | 17 13 | 5 36 | 6 16 | 11 51 | 17 16 | 6 12 |
| T 22 | 13 40 | 17 57 | 4 2 | 16 1 | 0 51 | 1 17 | 1 41 | 1 15 | 1 3 | 23 13 | 0 5 | 22 35 | 0 48 | 20 8 | 0 10 | 13 39 | 0 43 | 7 18 | 17 13 | 5 39 | 6 17 | 11 48 | 17 16 | 6 12 |
| F 23 | 13 59 | 22 27 | 4 38 | 15 18 | 0 31 | 1 46 | 1 41 | 1 30 | 1 3 | 23 13 | 0 5 | 22 35 | 0 48 | 20 7 | 0 10 | 13 39 | 0 43 | 7 19 | 17 13 | 5 42 | 6 19 | 11 45 | 17 15 | 6 13 |
| S 24 | 14 19 | 25 54 | 5 0 | 14 33 | 0 10 | 2 15 | 1 41 | 1 46 | 1 3 | 23 14 | 0 5 | 22 35 | 0 48 | 20 7 | 0 10 | 13 40 | 0 43 | 7 19 | 17 13 | 5 46 | 6 20 | 11 42 | 17 15 | 6 13 |
| S 25 | 14 38 | 27 59 | 5 5 | 13 47 | 0n11 | 2 44 | 1 42 | 2 1 | 1 3 | 23 15 | 0 5 | 22 35 | 0 48 | 20 6 | 0 10 | 13 40 | 0 43 | 7 19 | 17 13 | 5 50 | 6 21 | 11 38 | 17 14 | 6 14 |
| M26 | 14 58 | 28 26 | 4 55 | 13 3 | 0 31 | 3 13 | 1 42 | 2 17 | 1 3 | 23 16 | 0 4 | 22 36 | 0 48 | 20 6 | 0 10 | 13 40 | 0 43 | 7 19 | 17 13 | 5 53 | 6 22 | 11 35 | 17 14 | 6 14 |
| T 27 | 15 16 | 27 9 | 4 27 | 12 21 | 0 50 | 3 42 | 1 42 | 2 32 | 1 2 | 23 17 | 0 4 | 22 36 | 0 48 | 20 5 | 0 10 | 13 40 | 0 43 | 7 20 | 17 12 | 5 55 | 6 24 | 11 32 | 17 13 | 6 15 |
| W28 | 15 35 | 24 12 | 3 43 | 11 43 | 1 8 | 4 11 | 1 42 | 2 48 | 1 2 | 23 17 | 0 4 | 22 36 | 0 47 | 20 5 | 0 10 | 13 40 | 0 43 | 7 20 | 17 12 | 5 56 | 6 25 | 11 29 | 17 13 | 6 16 |
| T 29 | 15 54 | 19 49 | 2 46 | 11 9 | 1 24 | 4 40 | 1 42 | 3 3 | 1 2 | 23 18 | 0 4 | 22 36 | 0 47 | 20 4 | 0 10 | 13 40 | 0 43 | 7 20 | 17 12 | 5 56 | 6 26 | 11 26 | 17 12 | 6 16 |
| F 30 | 16 12 | 14 17 | 1 38 | 10 41 | 1 39 | 5 8 | 1 42 | 3 18 | 1 2 | 23 19 | 0 4 | 22 36 | 0 47 | 20 4 | 0 10 | 13 40 | 0 43 | 7 20 | 17 12 | 5 56 | 6 27 | 11 22 | 17 12 | 6 17 |
| S 31 | 16s30 | 7n58 | 0n23 | 10s18 | 1n51 | 5s37 | 1n41 | 3s34 | 1n 2 | 23s19 | 0n 4 | 22n36 | 0s47 | 20n 3 | 0s10 | 13s40 | 0s43 | 7s21 | 17s12 | 5s56 | 6s28 | 11s19 | 17n11 | 6s17 |

Julian Day Number = 2216244.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'15, Lahiri = 14°52'15 Julian Calendar 1 Oct. 1355 == Greg. Calendar 9 Oct. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## NOVEMBER 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 10 53 | 16♏20'34 | 24♍54 | 1°R11 | 19♎29 | 12♎ 0 | 24♐ 9 | 5°R54 | 29°R55 | 25♒44 | 22°R 3 | 15°R 0 | 13♓32 | 3♓ 7 | 3°R39 | S 1 |
| M 2 | 3 14 49 | 17°21'11 | 9♎12 | 1°D 3 | 20°44 | 12°38 | 24°22 | 5♋51 | 29♉53 | 25°44 | 22♈ 2 | 14♓57 | 13°29 | 3°14 | 3♋37 | M 2 |
| T 3 | 3 18 46 | 18°21'49 | 23°29 | 1♏ 5 | 21°58 | 13°17 | 24°34 | 5°49 | 29°50 | 25°44 | 22° 1 | 14°52 | 13°26 | 3°21 | 3°35 | T 3 |
| W 4 | 3 22 42 | 19°22'30 | 7♏39 | 1°19 | 23°13 | 13°55 | 24°47 | 5°46 | 29°48 | 25°44 | 22° 0 | 14°44 | 13°23 | 3°27 | 3°32 | W 4 |
| T 5 | 3 26 39 | 20°23'11 | 21°38 | 1°42 | 24°28 | 14°34 | 24°59 | 5°43 | 29°45 | 25°45 | 21°59 | 14°34 | 13°19 | 3°34 | 3°30 | T 5 |
| F 6 | 3 30 35 | 21°23'54 | 5♐22 | 2°13 | 25°43 | 15°13 | 25°12 | 5°41 | 29°43 | 25°45 | 21°58 | 14°23 | 13°16 | 3°40 | 3°27 | F 6 |
| S 7 | 3 34 32 | 22°24'39 | 18°45 | 2°53 | 26°57 | 15°51 | 25°25 | 5°38 | 29°40 | 25°45 | 21°57 | 14°11 | 13°13 | 3°47 | 3°25 | S 7 |
| S 8 | 3 38 28 | 23°25'25 | 1♑47 | 3°40 | 28°12 | 16°30 | 25°37 | 5°35 | 29°38 | 25°45 | 21°56 | 14° 0 | 13°10 | 3°54 | 3°22 | S 8 |
| M 9 | 3 42 25 | 24°26'11 | 14°28 | 4°33 | 29°27 | 17° 9 | 25°50 | 5°32 | 29°35 | 25°46 | 21°55 | 13°51 | 13° 7 | 4° 0 | 3°20 | M 9 |
| T 10 | 3 46 22 | 25°26'59 | 26°50 | 5°32 | 0♏42 | 17°48 | 26° 3 | 5°29 | 29°33 | 25°46 | 21°54 | 13°45 | 13° 4 | 4° 7 | 3°17 | T 10 |
| W11 | 3 50 18 | 26°27'48 | 8♒55 | 6°35 | 1°57 | 18°26 | 26°16 | 5°26 | 29°30 | 25°46 | 21°53 | 13°41 | 13° 0 | 4°14 | 3°14 | W11 |
| T 12 | 3 54 15 | 27°28'38 | 20°50 | 7°42 | 3°12 | 19° 5 | 26°29 | 5°22 | 29°28 | 25°47 | 21°53 | 13°40 | 12°57 | 4°20 | 3°11 | T 12 |
| F 13 | 3 58 11 | 28°29'29 | 2♓38 | 8°53 | 4°26 | 19°44 | 26°42 | 5°19 | 29°25 | 25°47 | 21°52 | 13°D40 | 12°54 | 4°27 | 3° 8 | F 13 |
| S 14 | 4 2 8 | 29°30'21 | 14°26 | 10° 7 | 5°41 | 20°22 | 26°55 | 5°15 | 29°23 | 25°48 | 21°51 | 13°R40 | 12°51 | 4°34 | 3° 5 | S 14 |
| S 15 | 4 6 4 | 0♐31'13 | 26°20 | 11°24 | 6°56 | 21° 1 | 27° 8 | 5°12 | 29°20 | 25°48 | 21°50 | 13°39 | 12°48 | 4°40 | 3° 2 | S 15 |
| M16 | 4 10 1 | 1°32'07 | 8♈23 | 12°43 | 8°11 | 21°40 | 27°21 | 5° 8 | 29°18 | 25°49 | 21°49 | 13°37 | 12°45 | 4°47 | 2°59 | M16 |
| T 17 | 4 13 57 | 2°33'01 | 20°41 | 14° 4 | 9°26 | 22°18 | 27°34 | 5° 4 | 29°15 | 25°49 | 21°48 | 13°32 | 12°41 | 4°54 | 2°56 | T 17 |
| W18 | 4 17 54 | 3°33'57 | 3♉17 | 15°26 | 10°41 | 22°57 | 27°48 | 5° 1 | 29°13 | 25°50 | 21°47 | 13°24 | 12°38 | 5° 0 | 2°52 | W18 |
| T 19 | 4 21 51 | 4°34'53 | 16°13 | 16°50 | 11°56 | 23°36 | 28° 1 | 4°57 | 29°10 | 25°51 | 21°47 | 13°13 | 12°35 | 5° 7 | 2°49 | T 19 |
| F 20 | 4 25 47 | 5°35'50 | 29°29 | 18°15 | 13°11 | 24°15 | 28°14 | 4°53 | 29° 7 | 25°51 | 21°46 | 13° 1 | 12°32 | 5°14 | 2°46 | F 20 |
| S 21 | 4 29 44 | 6°36'48 | 13♊ 3 | 19°41 | 14°26 | 24°53 | 28°28 | 4°49 | 29° 5 | 25°52 | 21°45 | 12°48 | 12°29 | 5°20 | 2°42 | S 21 |
| S 22 | 4 33 40 | 7°37'47 | 26°53 | 21° 8 | 15°42 | 25°32 | 28°41 | 4°45 | 29° 2 | 25°53 | 21°44 | 12°35 | 12°25 | 5°27 | 2°39 | S 22 |
| M23 | 4 37 37 | 8°38'48 | 10♋53 | 22°36 | 16°57 | 26°11 | 28°55 | 4°41 | 29° 0 | 25°54 | 21°44 | 12°24 | 12°22 | 5°33 | 2°35 | M23 |
| T 24 | 4 41 33 | 9°39'49 | 24°59 | 24° 5 | 18°12 | 26°50 | 29° 8 | 4°36 | 28°58 | 25°54 | 21°43 | 12°16 | 12°19 | 5°40 | 2°32 | T 24 |
| W25 | 4 45 30 | 10°40'51 | 9♌ 8 | 25°34 | 19°27 | 27°29 | 29°22 | 4°32 | 28°55 | 25°55 | 21°42 | 12°11 | 12°16 | 5°47 | 2°28 | W25 |
| T 26 | 4 49 26 | 11°41'54 | 23°17 | 27° 3 | 20°42 | 28° 7 | 29°35 | 4°28 | 28°53 | 25°56 | 21°41 | 12° 8 | 12°13 | 5°53 | 2°24 | T 26 |
| F 27 | 4 53 23 | 12°42'58 | 7♍24 | 28°33 | 21°57 | 28°46 | 29°49 | 4°23 | 28°50 | 25°57 | 21°41 | 12° 8 | 12°10 | 6° 0 | 2°21 | F 27 |
| S 28 | 4 57 20 | 13°44'04 | 21°28 | 0♐ 4 | 23°13 | 29°25 | 0♑ 2 | 4°19 | 28°48 | 25°58 | 21°40 | 12° 8 | 12° 6 | 6° 7 | 2°17 | S 28 |
| S 29 | 5 1 16 | 14°45'10 | 5♎27 | 1°34 | 24°28 | 0♏ 4 | 0°16 | 4°14 | 28°45 | 25°59 | 21°40 | 12° 7 | 12° 3 | 6°13 | 2°13 | S 29 |
| M30 | 5 5 13 | 15♐46'17 | 19♎23 | 3♐ 5 | 25♏43 | 0♏43 | 0♑30 | 4♋10 | 28♉43 | 26♒ 0 | 21♈39 | 12♓ 4 | 12♓ 0 | 6♓20 | 2♋ 9 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s47 | 1n14 | 0s53 | 10s 1 | 2n 2 | 6s 5 | 1n41 | 3s49 | 1n 1 | 23s20 | 0n 4 | 22n36 | 0s47 | 20n 3 | 0s10 | 13s40 | 0s43 | 7s21 | 17s12 | 5s56 | 6s30 | 11s16 | 17n11 | 6s18 |
| M 2 | 17 4 | 5s35 | 2 5 | 9 50 | 2 11 | 6 34 | 1 41 | 4 4 | 1 1 | 23 21 | 0 4 | 22 36 | 0 47 | 20 2 | 0 10 | 13 40 | 0 43 | 7 21 | 17 12 | 5 57 | 6 31 | 11 13 | 17 10 | 6 18 |
| T 3 | 17 21 | 12 5 | 3 10 | 9 45 | 2 17 | 7 2 | 1 40 | 4 20 | 1 1 | 23 21 | 0 4 | 22 37 | 0 47 | 20 2 | 0 10 | 13 40 | 0 43 | 7 21 | 17 11 | 5 59 | 6 32 | 11 10 | 17 10 | 6 19 |
| W 4 | 17 38 | 17 55 | 4 2 | 9 45 | 2 22 | 7 30 | 1 40 | 4 35 | 1 1 | 23 22 | 0 3 | 22 37 | 0 47 | 20 1 | 0 10 | 13 40 | 0 43 | 7 21 | 17 11 | 6 2 | 6 33 | 11 6 | 17 10 | 6 19 |
| T 5 | 17 55 | 22 43 | 4 39 | 9 50 | 2 26 | 7 59 | 1 39 | 4 50 | 1 0 | 23 22 | 0 3 | 22 37 | 0 47 | 20 1 | 0 10 | 13 39 | 0 43 | 7 22 | 17 11 | 6 6 | 6 35 | 11 3 | 17 9 | 6 20 |
| F 6 | 18 11 | 26 10 | 4 59 | 9 59 | 2 27 | 8 26 | 1 39 | 5 5 | 1 0 | 23 23 | 0 3 | 22 37 | 0 47 | 20 0 | 0 10 | 13 39 | 0 43 | 7 22 | 17 11 | 6 10 | 6 36 | 11 0 | 17 9 | 6 20 |
| S 7 | 18 26 | 28 3 | 5 1 | 10 12 | 2 28 | 8 54 | 1 38 | 5 20 | 1 0 | 23 24 | 0 3 | 22 37 | 0 47 | 20 0 | 0 10 | 13 39 | 0 43 | 7 22 | 17 11 | 6 15 | 6 37 | 10 57 | 17 8 | 6 21 |
| S 8 | 18 42 | 28 19 | 4 48 | 10 28 | 2 27 | 9 22 | 1 37 | 5 36 | 1 0 | 23 24 | 0 3 | 22 37 | 0 47 | 19 59 | 0 10 | 13 39 | 0 43 | 7 22 | 17 10 | 6 19 | 6 38 | 10 53 | 17 8 | 6 21 |
| M 9 | 18 57 | 27 4 | 4 21 | 10 48 | 2 26 | 9 49 | 1 36 | 5 51 | 0 59 | 23 25 | 0 3 | 22 38 | 0 47 | 19 59 | 0 10 | 13 39 | 0 43 | 7 22 | 17 10 | 6 22 | 6 39 | 10 50 | 17 7 | 6 22 |
| T 10 | 19 12 | 24 30 | 3 42 | 11 10 | 2 23 | 10 16 | 1 35 | 6 6 | 0 59 | 23 25 | 0 3 | 22 38 | 0 47 | 19 58 | 0 10 | 13 39 | 0 43 | 7 22 | 17 10 | 6 25 | 6 41 | 10 47 | 17 7 | 6 22 |
| W11 | 19 26 | 20 53 | 2 54 | 11 34 | 2 20 | 10 43 | 1 34 | 6 21 | 0 59 | 23 26 | 0 3 | 22 38 | 0 47 | 19 58 | 0 10 | 13 39 | 0 43 | 7 23 | 17 10 | 6 26 | 6 42 | 10 44 | 17 7 | 6 23 |
| T 12 | 19 40 | 16 28 | 1 58 | 11 59 | 2 16 | 11 10 | 1 33 | 6 36 | 0 59 | 23 26 | 0 3 | 22 38 | 0 47 | 19 57 | 0 10 | 13 39 | 0 43 | 7 23 | 17 10 | 6 27 | 6 43 | 10 40 | 17 6 | 6 23 |
| F 13 | 19 54 | 11 29 | 0 58 | 12 26 | 2 11 | 11 36 | 1 32 | 6 51 | 0 58 | 23 27 | 0 3 | 22 38 | 0 47 | 19 57 | 0 10 | 13 38 | 0 43 | 7 23 | 17 9 | 6 27 | 6 44 | 10 37 | 17 6 | 6 23 |
| S 14 | 20 7 | 6 5 | 0n 4 | 12 55 | 2 6 | 12 2 | 1 31 | 7 5 | 0 58 | 23 27 | 0 2 | 22 38 | 0 47 | 19 56 | 0 10 | 13 38 | 0 43 | 7 23 | 17 9 | 6 27 | 6 46 | 10 34 | 17 6 | 6 24 |
| S 15 | 20 20 | 0 27 | 1 7 | 13 24 | 2 1 | 12 28 | 1 30 | 7 20 | 0 58 | 23 27 | 0 2 | 22 39 | 0 47 | 19 55 | 0 10 | 13 38 | 0 43 | 7 23 | 17 9 | 6 27 | 6 47 | 10 31 | 17 5 | 6 24 |
| M16 | 20 33 | 5n17 | 2 7 | 13 53 | 1 55 | 12 54 | 1 28 | 7 35 | 0 57 | 23 28 | 0 2 | 22 39 | 0 47 | 19 55 | 0 10 | 13 38 | 0 43 | 7 23 | 17 9 | 6 28 | 6 48 | 10 27 | 17 5 | 6 25 |
| T 17 | 20 45 | 10 56 | 3 3 | 14 23 | 1 48 | 13 19 | 1 27 | 7 50 | 0 57 | 23 28 | 0 2 | 22 39 | 0 47 | 19 54 | 0 10 | 13 38 | 0 43 | 7 23 | 17 8 | 6 30 | 6 49 | 10 24 | 17 5 | 6 25 |
| W18 | 20 57 | 16 16 | 3 51 | 14 54 | 1 42 | 13 44 | 1 26 | 8 5 | 0 57 | 23 28 | 0 2 | 22 39 | 0 47 | 19 54 | 0 10 | 13 37 | 0 43 | 7 23 | 17 8 | 6 33 | 6 50 | 10 21 | 17 4 | 6 25 |
| T 19 | 21 8 | 21 1 | 4 28 | 15 24 | 1 35 | 14 8 | 1 24 | 8 19 | 0 57 | 23 29 | 0 2 | 22 39 | 0 47 | 19 53 | 0 10 | 13 37 | 0 43 | 7 23 | 17 8 | 6 37 | 6 52 | 10 18 | 17 4 | 6 26 |
| F 20 | 21 19 | 24 52 | 4 52 | 15 55 | 1 28 | 14 33 | 1 22 | 8 34 | 0 56 | 23 29 | 0 2 | 22 40 | 0 47 | 19 53 | 0 10 | 13 37 | 0 43 | 7 23 | 17 8 | 6 42 | 6 53 | 10 14 | 17 4 | 6 26 |
| S 21 | 21 29 | 27 24 | 5 0 | 16 25 | 1 21 | 14 56 | 1 21 | 8 48 | 0 56 | 23 29 | 0 2 | 22 40 | 0 46 | 19 52 | 0 10 | 13 37 | 0 43 | 7 23 | 17 7 | 6 47 | 6 54 | 10 11 | 17 3 | 6 27 |
| S 22 | 21 40 | 28 20 | 4 51 | 16 55 | 1 14 | 15 20 | 1 19 | 9 3 | 0 56 | 23 30 | 0 2 | 22 40 | 0 46 | 19 52 | 0 10 | 13 36 | 0 43 | 7 23 | 17 7 | 6 52 | 6 55 | 10 8 | 17 3 | 6 27 |
| M23 | 21 49 | 27 28 | 4 24 | 17 25 | 1 7 | 15 43 | 1 17 | 9 17 | 0 55 | 23 30 | 0 1 | 22 40 | 0 46 | 19 51 | 0 10 | 13 36 | 0 43 | 7 23 | 17 7 | 6 56 | 6 57 | 10 5 | 17 3 | 6 27 |
| T 24 | 21 59 | 24 50 | 3 41 | 17 54 | 1 0 | 16 6 | 1 16 | 9 31 | 0 55 | 23 30 | 0 1 | 22 40 | 0 46 | 19 51 | 0 10 | 13 36 | 0 43 | 7 23 | 17 7 | 6 59 | 6 58 | 10 1 | 17 2 | 6 28 |
| W25 | 22 8 | 20 41 | 2 45 | 18 22 | 0 52 | 16 28 | 1 14 | 9 46 | 0 55 | 23 30 | 0 1 | 22 41 | 0 46 | 19 50 | 0 10 | 13 36 | 0 43 | 7 23 | 17 6 | 7 1 | 6 59 | 9 58 | 17 2 | 6 28 |
| T 26 | 22 16 | 15 21 | 1 38 | 18 51 | 0 45 | 16 50 | 1 12 | 10 0 | 0 54 | 23 30 | 0 1 | 22 41 | 0 46 | 19 50 | 0 10 | 13 35 | 0 43 | 7 23 | 17 6 | 7 2 | 7 0 | 9 55 | 17 2 | 6 28 |
| F 27 | 22 24 | 9 13 | 0 25 | 19 18 | 0 38 | 17 12 | 1 10 | 10 14 | 0 54 | 23 30 | 0 1 | 22 41 | 0 46 | 19 49 | 0 10 | 13 35 | 0 43 | 7 23 | 17 6 | 7 2 | 7 1 | 9 51 | 17 2 | 6 29 |
| S 28 | 22 32 | 2 39 | 0s49 | 19 45 | 0 30 | 17 33 | 1 8 | 10 28 | 0 54 | 23 31 | 0 1 | 22 41 | 0 46 | 19 48 | 0 9 | 13 35 | 0 43 | 7 23 | 17 5 | 7 2 | 7 3 | 9 48 | 17 1 | 6 29 |
| S 29 | 22 39 | 4s 1 | 2 0 | 20 11 | 0 23 | 17 53 | 1 6 | 10 42 | 0 53 | 23 31 | 0 1 | 22 42 | 0 46 | 19 48 | 0 9 | 13 34 | 0 43 | 7 23 | 17 5 | 7 3 | 7 4 | 9 45 | 17 1 | 6 29 |
| M30 | 22s46 | 10s26 | 3s 3 | 20s36 | 0n16 | 18s13 | 1n 4 | 10s56 | 0n53 | 23s31 | 0n 1 | 22n42 | 0s46 | 19n47 | 0s 9 | 13s34 | 0s43 | 7s23 | 17s 5 | 7s 4 | 7s 5 | 9s42 | 17n 1 | 6s29 |

Julian Day Number = 2216275.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'19, Lahiri = 14°52'19 Julian Calendar 1 Nov. 1355 == Greg. Calendar 9 Nov. 1355


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# ASTRODIENST EPHEMERIS for the year 1355
# geocentric

## DECEMBER 1355 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 9 9 | 16♐47'25 | 3♏14 | 4♐37 | 26♏58 | 1♏22 | 0♉43 | 4°R 5 | 28°R40 | 26♒ 1 | 21°R38 | 11°R58 | 11♓57 | 6♓27 | 2°R 5 | T 1 |
| W 2 | 5 13 6 | 17°48'34 | 16°57 | 6° 8 | 28°13 | 2° 0 | 0°57 | 4♋ 1 | 28♉38 | 26° 2 | 21♈38 | 11♓49 | 11°54 | 6°33 | 2♋ 2 | W 2 |
| T 3 | 5 17 2 | 18°49'43 | 0♐31 | 7°40 | 29°29 | 2°39 | 1°11 | 3°56 | 28°36 | 26° 3 | 21°37 | 11°37 | 11°51 | 6°40 | 1°58 | T 3 |
| F 4 | 5 20 59 | 19°50'53 | 13°52 | 9°12 | 0♐44 | 3°18 | 1°25 | 3°51 | 28°33 | 26° 5 | 21°37 | 11°24 | 11°47 | 6°47 | 1°54 | F 4 |
| S 5 | 5 24 55 | 20°52'04 | 26°59 | 10°44 | 1°59 | 3°57 | 1°39 | 3°46 | 28°31 | 26° 6 | 21°36 | 11°10 | 11°44 | 6°53 | 1°50 | S 5 |
| S 6 | 5 28 52 | 21°53'15 | 9♑49 | 12°17 | 3°15 | 4°36 | 1°52 | 3°42 | 28°29 | 26° 7 | 21°36 | 10°57 | 11°41 | 7° 0 | 1°46 | S 6 |
| M 7 | 5 32 49 | 22°54'27 | 22°22 | 13°49 | 4°30 | 5°15 | 2° 6 | 3°37 | 28°27 | 26° 8 | 21°35 | 10°46 | 11°38 | 7° 7 | 1°42 | M 7 |
| T 8 | 5 36 45 | 23°55'38 | 4♒40 | 15°22 | 5°45 | 5°54 | 2°20 | 3°32 | 28°24 | 26° 9 | 21°35 | 10°38 | 11°35 | 7°13 | 1°38 | T 8 |
| W 9 | 5 40 42 | 24°56'50 | 16°43 | 16°55 | 7° 0 | 6°32 | 2°34 | 3°27 | 28°22 | 26°11 | 21°34 | 10°33 | 11°31 | 7°20 | 1°34 | W 9 |
| T 10 | 5 44 38 | 25°58'01 | 28°37 | 18°29 | 8°16 | 7°11 | 2°48 | 3°22 | 28°20 | 26°12 | 21°34 | 10°31 | 11°28 | 7°26 | 1°30 | T 10 |
| F 11 | 5 48 35 | 26°59'13 | 10♓25 | 20° 2 | 9°31 | 7°50 | 3° 2 | 3°17 | 28°18 | 26°13 | 21°33 | 10°D30 | 11°25 | 7°33 | 1°26 | F 11 |
| S 12 | 5 52 31 | 28° 0'24 | 22°12 | 21°36 | 10°46 | 8°29 | 3°16 | 3°12 | 28°16 | 26°15 | 21°33 | 10°R30 | 11°22 | 7°40 | 1°22 | S 12 |
| S 13 | 5 56 28 | 29° 1'36 | 4♈ 4 | 23°11 | 12° 2 | 9° 8 | 3°30 | 3° 7 | 28°14 | 26°16 | 21°33 | 10°30 | 11°19 | 7°46 | 1°17 | S 13 |
| M14 | 6 0 25 | 0♉ 2'47 | 16° 7 | 24°45 | 13°17 | 9°47 | 3°44 | 3° 2 | 28°12 | 26°18 | 21°32 | 10°29 | 11°16 | 7°53 | 1°13 | M14 |
| T 15 | 6 4 21 | 1° 3'58 | 28°25 | 26°20 | 14°32 | 10°26 | 3°58 | 2°57 | 28°10 | 26°19 | 21°32 | 10°26 | 11°12 | 8° 0 | 1° 9 | T 15 |
| W16 | 6 8 18 | 2° 5'09 | 11♉ 4 | 27°55 | 15°48 | 11° 5 | 4°12 | 2°52 | 28° 8 | 26°21 | 21°32 | 10°20 | 11° 9 | 8° 6 | 1° 5 | W16 |
| T 17 | 6 12 14 | 3° 6'19 | 24° 7 | 29°30 | 17° 3 | 11°43 | 4°26 | 2°47 | 28° 6 | 26°22 | 21°32 | 10°11 | 11° 6 | 8°13 | 1° 1 | T 17 |
| F 18 | 6 16 11 | 4° 7'30 | 7♊34 | 1♉ 6 | 18°18 | 12°22 | 4°39 | 2°42 | 28° 4 | 26°24 | 21°31 | 10° 1 | 11° 3 | 8°20 | 0°57 | F 18 |
| S 19 | 6 20 7 | 5° 8'40 | 21°25 | 2°42 | 19°34 | 13° 1 | 4°53 | 2°37 | 28° 2 | 26°25 | 21°31 | 9°50 | 11° 0 | 8°26 | 0°53 | S 19 |
| S 20 | 6 24 4 | 6° 9'50 | 5♋37 | 4°19 | 20°49 | 13°40 | 5° 7 | 2°32 | 28° 0 | 26°27 | 21°31 | 9°39 | 10°57 | 8°33 | 0°49 | S 20 |
| M21 | 6 28 0 | 7°11'00 | 20° 3 | 5°56 | 22° 4 | 14°19 | 5°21 | 2°27 | 27°58 | 26°28 | 21°31 | 9°29 | 10°53 | 8°40 | 0°45 | M21 |
| T 22 | 6 31 57 | 8°12'10 | 4♌38 | 7°33 | 23°20 | 14°58 | 5°35 | 2°23 | 27°56 | 26°30 | 21°31 | 9°22 | 10°50 | 8°46 | 0°41 | T 22 |
| W23 | 6 35 54 | 9°13'19 | 19°14 | 9°11 | 24°35 | 15°37 | 5°49 | 2°18 | 27°55 | 26°32 | 21°30 | 9°18 | 10°47 | 8°53 | 0°37 | W23 |
| T 24 | 6 39 50 | 10°14'29 | 3♍46 | 10°49 | 25°50 | 16°16 | 6° 3 | 2°13 | 27°53 | 26°33 | 21°30 | 9°D17 | 10°44 | 9° 0 | 0°33 | T 24 |
| F 25 | 6 43 47 | 11°15'38 | 18° 8 | 12°28 | 27° 6 | 16°55 | 6°17 | 2° 8 | 27°51 | 26°35 | 21°30 | 9°17 | 10°41 | 9° 6 | 0°29 | F 25 |
| S 26 | 6 47 43 | 12°16'47 | 2♎19 | 14° 7 | 28°21 | 17°34 | 6°31 | 2° 3 | 27°50 | 26°37 | 21°30 | 9°17 | 10°37 | 9°13 | 0°25 | S 26 |
| S 27 | 6 51 40 | 13°17'56 | 16°18 | 15°47 | 29°36 | 18°13 | 6°45 | 1°58 | 27°48 | 26°39 | 21°30 | 9°R18 | 10°34 | 9°19 | 0°21 | S 27 |
| M28 | 6 55 36 | 14°19'05 | 0♏ 4 | 17°27 | 0♑52 | 18°52 | 6°59 | 1°53 | 27°47 | 26°40 | 21°30 | 9°17 | 10°31 | 9°26 | 0°17 | M28 |
| T 29 | 6 59 33 | 15°20'14 | 13°37 | 19° 7 | 2° 7 | 19°31 | 7°13 | 1°49 | 27°45 | 26°42 | 21°D30 | 9°13 | 10°28 | 9°33 | 0°13 | T 29 |
| W30 | 7 3 29 | 16°21'23 | 26°58 | 20°48 | 3°22 | 20°10 | 7°27 | 1°44 | 27°44 | 26°44 | 21°30 | 9° 7 | 10°25 | 9°39 | 0° 9 | W30 |
| T 31 | 7 7 26 | 17♑22'32 | 10♐ 8 | 22♑30 | 4♑38 | 20♏48 | 7♑41 | 1♋39 | 27♉42 | 26♒46 | 21♈30 | 8♓59 | 10♓22 | 9♓46 | 0♋ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s52 | 16s19 | 3s55 | 21s 0 | 0n 9 | 18s33 | 1n 2 | 11s10 | 0n53 | 23s31 | 0n 1 | 22n42 | 0s46 | 19n47 | 0s 9 | 13s33 | 0s43 | 7s23 | 17s 4 | 7s 6 | 7s 6 | 9s38 | 17n 1 | 6s30 |
| W 2 | 22 58 | 21 19 | 4 33 | 21 23 | 0 1 | 18 52 | 1 0 | 11 24 | 0 52 | 23 31 | 0 1 | 22 42 | 0 46 | 19 46 | 0 9 | 13 33 | 0 43 | 7 23 | 17 4 | 7 9 | 7 8 | 9 35 | 17 1 | 6 30 |
| T 3 | 23 3 | 25 8 | 4 55 | 21 45 | 0s 6 | 19 10 | 0 58 | 11 38 | 0 52 | 23 31 | 0 0 | 22 42 | 0 46 | 19 46 | 0 9 | 13 33 | 0 43 | 7 23 | 17 4 | 7 14 | 7 9 | 9 32 | 17 0 | 6 30 |
| F 4 | 23 8 | 27 30 | 5 0 | 22 7 | 0 12 | 19 28 | 0 56 | 11 51 | 0 51 | 23 31 | 0 0 | 22 43 | 0 46 | 19 45 | 0 9 | 13 32 | 0 43 | 7 23 | 17 4 | 7 19 | 7 10 | 9 28 | 17 0 | 6 30 |
| S 5 | 23 13 | 28 18 | 4 49 | 22 27 | 0 19 | 19 46 | 0 53 | 12 5 | 0 51 | 23 31 | 0 0 | 22 43 | 0 45 | 19 45 | 0 9 | 13 32 | 0 43 | 7 23 | 17 3 | 7 24 | 7 11 | 9 25 | 17 0 | 6 31 |
| S 6 | 23 17 | 27 32 | 4 24 | 22 47 | 0 26 | 20 3 | 0 51 | 12 18 | 0 51 | 23 31 | 0 0 | 22 43 | 0 45 | 19 44 | 0 9 | 13 31 | 0 43 | 7 22 | 17 3 | 7 29 | 7 12 | 9 22 | 17 0 | 6 31 |
| M 7 | 23 20 | 25 22 | 3 46 | 23 5 | 0 33 | 20 19 | 0 49 | 12 32 | 0 50 | 23 30 | 0 0 | 22 43 | 0 45 | 19 44 | 0 9 | 13 31 | 0 42 | 7 22 | 17 3 | 7 33 | 7 14 | 9 19 | 17 0 | 6 31 |
| T 8 | 23 23 | 22 3 | 2 58 | 23 22 | 0 39 | 20 35 | 0 47 | 12 45 | 0 50 | 23 30 | 0 0 | 22 43 | 0 45 | 19 43 | 0 9 | 13 31 | 0 42 | 7 22 | 17 2 | 7 36 | 7 15 | 9 15 | 17 0 | 6 31 |
| W 9 | 23 26 | 17 50 | 2 3 | 23 38 | 0 45 | 20 50 | 0 44 | 12 58 | 0 49 | 23 30 | 0s 0 | 22 44 | 0 45 | 19 43 | 0 9 | 13 30 | 0 42 | 7 22 | 17 2 | 7 38 | 7 16 | 9 12 | 17 0 | 6 31 |
| T 10 | 23 28 | 12 59 | 1 3 | 23 53 | 0 51 | 21 4 | 0 42 | 13 11 | 0 49 | 23 30 | 0 0 | 22 44 | 0 45 | 19 43 | 0 9 | 13 30 | 0 42 | 7 22 | 17 2 | 7 39 | 7 17 | 9 9 | 16 59 | 6 32 |
| F 11 | 23 29 | 7 42 | 0 0 | 24 6 | 0 57 | 21 18 | 0 40 | 13 24 | 0 49 | 23 30 | 0 0 | 22 44 | 0 45 | 19 42 | 0 9 | 13 29 | 0 42 | 7 22 | 17 1 | 7 39 | 7 18 | 9 5 | 16 59 | 6 32 |
| S 12 | 23 31 | 2 10 | 1n 2 | 24 18 | 1 3 | 21 32 | 0 37 | 13 37 | 0 48 | 23 29 | 0 0 | 22 44 | 0 45 | 19 42 | 0 9 | 13 29 | 0 42 | 7 22 | 17 1 | 7 39 | 7 20 | 9 2 | 16 59 | 6 32 |
| S 13 | 23 31 | 3n29 | 2 2 | 24 29 | 1 9 | 21 44 | 0 35 | 13 50 | 0 48 | 23 29 | 0 0 | 22 45 | 0 45 | 19 41 | 0 9 | 13 28 | 0 42 | 7 21 | 17 1 | 7 39 | 7 21 | 8 59 | 16 59 | 6 32 |
| M14 | 23 32 | 9 5 | 2 58 | 24 39 | 1 14 | 21 56 | 0 32 | 14 3 | 0 47 | 23 29 | 0 1 | 22 45 | 0 45 | 19 41 | 0 9 | 13 28 | 0 42 | 7 21 | 17 0 | 7 40 | 7 22 | 8 55 | 16 59 | 6 32 |
| T 15 | 23 31 | 14 28 | 3 46 | 24 48 | 1 19 | 22 8 | 0 30 | 14 16 | 0 47 | 23 29 | 0 1 | 22 45 | 0 45 | 19 40 | 0 9 | 13 27 | 0 42 | 7 21 | 17 0 | 7 41 | 7 23 | 8 52 | 16 59 | 6 32 |
| W16 | 23 31 | 19 24 | 4 25 | 24 55 | 1 24 | 22 19 | 0 27 | 14 28 | 0 46 | 23 28 | 0 1 | 22 45 | 0 44 | 19 40 | 0 9 | 13 27 | 0 42 | 7 21 | 17 0 | 7 43 | 7 24 | 8 49 | 16 59 | 6 32 |
| T 17 | 23 29 | 23 34 | 4 51 | 25 0 | 1 29 | 22 29 | 0 25 | 14 41 | 0 46 | 23 28 | 0 1 | 22 45 | 0 44 | 19 39 | 0 9 | 13 26 | 0 42 | 7 20 | 16 59 | 7 47 | 7 26 | 8 46 | 16 59 | 6 32 |
| F 18 | 23 28 | 26 38 | 5 3 | 25 5 | 1 33 | 22 38 | 0 22 | 14 53 | 0 46 | 23 28 | 0 1 | 22 46 | 0 44 | 19 39 | 0 9 | 13 26 | 0 42 | 7 20 | 16 59 | 7 50 | 7 27 | 8 42 | 16 59 | 6 32 |
| S 19 | 23 25 | 28 11 | 4 57 | 25 8 | 1 38 | 22 47 | 0 20 | 15 5 | 0 45 | 23 27 | 0 1 | 22 46 | 0 44 | 19 39 | 0 9 | 13 25 | 0 42 | 7 20 | 16 58 | 7 55 | 7 28 | 8 39 | 16 59 | 6 32 |
| S 20 | 23 23 | 27 57 | 4 33 | 25 9 | 1 42 | 22 55 | 0 17 | 15 17 | 0 45 | 23 27 | 0 1 | 22 46 | 0 44 | 19 38 | 0 9 | 13 25 | 0 42 | 7 20 | 16 58 | 7 59 | 7 29 | 8 36 | 16 59 | 6 33 |
| M21 | 23 20 | 25 50 | 3 51 | 25 9 | 1 46 | 23 2 | 0 15 | 15 29 | 0 44 | 23 26 | 0 1 | 22 46 | 0 44 | 19 38 | 0 9 | 13 24 | 0 42 | 7 19 | 16 58 | 8 2 | 7 31 | 8 32 | 16 59 | 6 33 |
| T 22 | 23 16 | 21 59 | 2 54 | 25 7 | 1 49 | 23 9 | 0 12 | 15 41 | 0 44 | 23 26 | 0 1 | 22 46 | 0 44 | 19 37 | 0 9 | 13 23 | 0 42 | 7 19 | 16 57 | 8 5 | 7 32 | 8 29 | 16 59 | 6 33 |
| W23 | 23 12 | 16 46 | 1 45 | 25 4 | 1 52 | 23 15 | 0 10 | 15 53 | 0 43 | 23 25 | 0 1 | 22 47 | 0 44 | 19 37 | 0 9 | 13 23 | 0 42 | 7 19 | 16 57 | 8 7 | 7 33 | 8 26 | 16 59 | 6 33 |
| T 24 | 23 8 | 10 37 | 0 29 | 25 0 | 1 55 | 23 20 | 0 7 | 16 5 | 0 43 | 23 25 | 0 2 | 22 47 | 0 44 | 19 37 | 0 9 | 13 22 | 0 42 | 7 19 | 16 57 | 8 7 | 7 34 | 8 22 | 16 59 | 6 33 |
| F 25 | 23 3 | 3 59 | 0s47 | 24 53 | 1 58 | 23 25 | 0 5 | 16 17 | 0 42 | 23 24 | 0 2 | 22 47 | 0 43 | 19 36 | 0 9 | 13 22 | 0 42 | 7 18 | 16 56 | 8 7 | 7 35 | 8 19 | 16 59 | 6 33 |
| S 26 | 22 57 | 2s46 | 2 0 | 24 46 | 2 0 | 23 28 | 0 2 | 16 28 | 0 42 | 23 24 | 0 2 | 22 47 | 0 43 | 19 36 | 0 9 | 13 21 | 0 42 | 7 18 | 16 56 | 8 7 | 7 37 | 8 16 | 16 59 | 6 33 |
| S 27 | 22 51 | 9 16 | 3 5 | 24 36 | 2 2 | 23 32 | 0s 0 | 16 39 | 0 41 | 23 23 | 0 2 | 22 47 | 0 43 | 19 36 | 0 9 | 13 20 | 0 42 | 7 18 | 16 56 | 8 7 | 7 38 | 8 12 | 16 59 | 6 32 |
| M28 | 22 45 | 15 14 | 3 58 | 24 25 | 2 3 | 23 34 | 0 3 | 16 51 | 0 41 | 23 22 | 0 2 | 22 48 | 0 43 | 19 35 | 0 9 | 13 20 | 0 42 | 7 17 | 16 55 | 8 7 | 7 39 | 8 9 | 16 59 | 6 32 |
| T 29 | 22 38 | 20 22 | 4 37 | 24 12 | 2 4 | 23 35 | 0 5 | 17 2 | 0 40 | 23 22 | 0 2 | 22 48 | 0 43 | 19 35 | 0 9 | 13 19 | 0 42 | 7 17 | 16 55 | 8 9 | 7 40 | 8 6 | 16 59 | 6 32 |
| W30 | 22 31 | 24 24 | 5 0 | 23 58 | 2 5 | 23 36 | 0 7 | 17 13 | 0 39 | 23 21 | 0 2 | 22 48 | 0 43 | 19 35 | 0 9 | 13 19 | 0 42 | 7 17 | 16 54 | 8 11 | 7 41 | 8 2 | 16 59 | 6 32 |
| T 31 | 22s24 | 27s 6 | 5s 6 | 23s42 | 2s 5 | 23s37 | 0s10 | 17s24 | 0n39 | 23s20 | 0s 2 | 22n48 | 0s43 | 19n34 | 0s 9 | 13s18 | 0s42 | 7s16 | 16s54 | 8s14 | 7s43 | 7s59 | 16n59 | 6s32 |

Julian Day Number = 2216305.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'23, Lahiri = 14°52'23 Julian Calendar 1 Dec. 1355 == Greg. Calendar 9 Dec. 1355


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## JANUARY 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 11 23 | 18♑23'40 | 23♐ 5 | 24♑12 | 5♑53 | 21♏27 | 7♑55 | 1°R34 | 27°R41 | 26♒48 | 21♈30 | 8°R50 | 10♓18 | 9♓53 | 0°R 1 | F 1 |
| S 2 | 7 15 19 | 19°24'47 | 5♑50 | 25°54 | 7° 8 | 22° 6 | 8° 9 | 1♋30 | 27♉40 | 26°50 | 21°30 | 8♓40 | 10°15 | 9°59 | 29♊57 | S 2 |
| S 3 | 7 19 16 | 20°25'54 | 18°22 | 27°37 | 8°24 | 22°45 | 8°22 | 1°25 | 27°38 | 26°52 | 21°30 | 8°31 | 10°12 | 10° 6 | 29°54 | S 3 |
| M 4 | 7 23 12 | 21°27'01 | 0♒42 | 29°19 | 9°39 | 23°24 | 8°36 | 1°21 | 27°37 | 26°53 | 21°31 | 8°23 | 10° 9 | 10°13 | 29°50 | M 4 |
| T 5 | 7 27 9 | 22°28'06 | 12°50 | 1♒ 3 | 10°54 | 24° 3 | 8°50 | 1°16 | 27°36 | 26°55 | 21°31 | 8°18 | 10° 6 | 10°19 | 29°46 | T 5 |
| W 6 | 7 31 5 | 23°29'11 | 24°49 | 2°46 | 12° 9 | 24°42 | 9° 4 | 1°12 | 27°35 | 26°57 | 21°31 | 8°15 | 10° 3 | 10°26 | 29°43 | W 6 |
| T 7 | 7 35 2 | 24°30'14 | 6♓39 | 4°29 | 13°25 | 25°21 | 9°18 | 1° 7 | 27°34 | 26°59 | 21°31 | 8°D13 | 9°59 | 10°33 | 29°39 | T 7 |
| F 8 | 7 38 59 | 25°31'17 | 18°26 | 6°13 | 14°40 | 26° 0 | 9°31 | 1° 3 | 27°33 | 27° 1 | 21°31 | 8°14 | 9°56 | 10°39 | 29°35 | F 8 |
| S 9 | 7 42 55 | 26°32'18 | 0♈13 | 7°56 | 15°55 | 26°39 | 9°45 | 0°59 | 27°32 | 27° 3 | 21°32 | 8°15 | 9°53 | 10°46 | 29°32 | S 9 |
| S 10 | 7 46 52 | 27°33'18 | 12° 4 | 9°39 | 17°11 | 27°18 | 9°59 | 0°55 | 27°31 | 27° 5 | 21°32 | 8°17 | 9°50 | 10°52 | 29°28 | S 10 |
| M11 | 7 50 48 | 28°34'17 | 24° 5 | 11°21 | 18°26 | 27°57 | 10°12 | 0°51 | 27°30 | 27° 7 | 21°32 | 8°R18 | 9°47 | 10°59 | 29°25 | M11 |
| T 12 | 7 54 45 | 29°35'15 | 6♉20 | 13° 3 | 19°41 | 28°36 | 10°26 | 0°46 | 27°29 | 27° 9 | 21°32 | 8°18 | 9°43 | 11° 6 | 29°22 | T 12 |
| W13 | 7 58 41 | 0♒36'12 | 18°56 | 14°43 | 20°56 | 29°15 | 10°40 | 0°42 | 27°28 | 27°12 | 21°33 | 8°16 | 9°40 | 11°12 | 29°18 | W13 |
| T 14 | 8 2 38 | 1°37'07 | 1♊56 | 16°23 | 22°12 | 29°54 | 10°53 | 0°39 | 27°28 | 27°14 | 21°33 | 8°13 | 9°37 | 11°19 | 29°15 | T 14 |
| F 15 | 8 6 34 | 2°38'01 | 15°22 | 18° 0 | 23°27 | 0♐32 | 11° 7 | 0°35 | 27°27 | 27°16 | 21°34 | 8° 8 | 9°34 | 11°26 | 29°12 | F 15 |
| S 16 | 8 10 31 | 3°38'54 | 29°16 | 19°36 | 24°42 | 1°11 | 11°20 | 0°31 | 27°26 | 27°18 | 21°34 | 8° 3 | 9°31 | 11°32 | 29° 9 | S 16 |
| S 17 | 8 14 28 | 4°39'46 | 13♋36 | 21° 8 | 25°57 | 1°50 | 11°34 | 0°27 | 27°26 | 27°20 | 21°34 | 7°57 | 9°28 | 11°39 | 29° 6 | S 17 |
| M18 | 8 18 24 | 5°40'36 | 28°17 | 22°38 | 27°13 | 2°29 | 11°47 | 0°24 | 27°25 | 27°22 | 21°35 | 7°52 | 9°24 | 11°46 | 29° 3 | M18 |
| T 19 | 8 22 21 | 6°41'24 | 13♌11 | 24° 4 | 28°28 | 3° 8 | 12° 0 | 0°20 | 27°25 | 27°24 | 21°35 | 7°49 | 9°21 | 11°52 | 29° 0 | T 19 |
| W20 | 8 26 17 | 7°42'12 | 28°12 | 25°25 | 29°43 | 3°47 | 12°14 | 0°17 | 27°24 | 27°26 | 21°36 | 7°47 | 9°18 | 11°59 | 28°57 | W20 |
| T 21 | 8 30 14 | 8°42'58 | 13♍ 9 | 26°41 | 0♒58 | 4°26 | 12°27 | 0°13 | 27°24 | 27°29 | 21°36 | 7°D47 | 9°15 | 12° 6 | 28°54 | T 21 |
| F 22 | 8 34 10 | 9°43'43 | 27°56 | 27°52 | 2°13 | 5° 5 | 12°40 | 0°10 | 27°24 | 27°31 | 21°37 | 7°48 | 9°12 | 12°12 | 28°51 | F 22 |
| S 23 | 8 38 7 | 10°44'28 | 12♎27 | 28°56 | 3°29 | 5°44 | 12°53 | 0° 7 | 27°23 | 27°33 | 21°37 | 7°50 | 9° 9 | 12°19 | 28°49 | S 23 |
| S 24 | 8 42 3 | 11°45'11 | 26°38 | 29°53 | 4°44 | 6°23 | 13° 7 | 0° 4 | 27°23 | 27°35 | 21°38 | 7°51 | 9° 5 | 12°26 | 28°46 | S 24 |
| M25 | 8 46 0 | 12°45'53 | 10♏28 | 0♓41 | 5°59 | 7° 1 | 13°20 | 0° 1 | 27°23 | 27°37 | 21°38 | 7°R52 | 9° 2 | 12°32 | 28°44 | M25 |
| T 26 | 8 49 57 | 13°46'34 | 23°58 | 1°21 | 7°14 | 7°40 | 13°33 | 29♊58 | 27°23 | 27°40 | 21°39 | 7°51 | 8°59 | 12°39 | 28°41 | T 26 |
| W27 | 8 53 53 | 14°47'13 | 7♐ 9 | 1°52 | 8°29 | 8°19 | 13°46 | 29°55 | 27°D23 | 27°42 | 21°40 | 7°50 | 8°56 | 12°45 | 28°39 | W27 |
| T 28 | 8 57 50 | 15°47'52 | 20° 3 | 2°13 | 9°44 | 8°58 | 13°59 | 29°53 | 27°23 | 27°44 | 21°40 | 7°47 | 8°53 | 12°52 | 28°37 | T 28 |
| F 29 | 9 1 46 | 16°48'29 | 2♑42 | 2°23 | 11° 0 | 9°37 | 14°12 | 29°50 | 27°23 | 27°46 | 21°41 | 7°44 | 8°49 | 12°59 | 28°34 | F 29 |
| S 30 | 9 5 43 | 17°49'06 | 15° 8 | 2°R23 | 12°15 | 10°16 | 14°24 | 29°47 | 27°23 | 27°49 | 21°42 | 7°41 | 8°46 | 13° 5 | 28°32 | S 30 |
| S 31 | 9 9 39 | 18♒49'40 | 27♑23 | 2♓13 | 13♒30 | 10♐55 | 14♑37 | 29♊45 | 27♉23 | 27♒51 | 21♈42 | 7♓37 | 8♓43 | 13♓12 | 28♊30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s15 | 28s17 | 4s57 | 23s24 | 2s 5 | 23s36 | 0s12 | 17s34 | 0n38 | 23s20 | 0s 2 | 22n48 | 0s42 | 19n34 | 0s 9 | 13s17 | 0s42 | 7s16 | 16s54 | 8s17 | 7s44 | 7s56 | 16n59 | 6s32 | F 1 |
| S 2 | 22 7 | 27 57 | 4 33 | 23 5 | 2 5 | 23 35 | 0 15 | 17 45 | 0 38 | 23 19 | 0 2 | 22 49 | 0 42 | 19 34 | 0 9 | 13 17 | 0 42 | 7 16 | 16 53 | 8 21 | 7 45 | 7 52 | 17 0 | 6 32 | S 2 |
| S 3 | 21 58 | 26 10 | 3 56 | 22 44 | 2 3 | 23 33 | 0 17 | 17 56 | 0 37 | 23 18 | 0 3 | 22 49 | 0 42 | 19 33 | 0 9 | 13 16 | 0 42 | 7 15 | 16 53 | 8 24 | 7 46 | 7 49 | 17 0 | 6 32 | S 3 |
| M 4 | 21 49 | 23 8 | 3 9 | 22 21 | 2 2 | 23 30 | 0 20 | 18 6 | 0 37 | 23 17 | 0 3 | 22 49 | 0 42 | 19 33 | 0 9 | 13 15 | 0 42 | 7 15 | 16 53 | 8 27 | 7 47 | 7 46 | 17 0 | 6 32 | M 4 |
| T 5 | 21 39 | 19 9 | 2 13 | 21 57 | 2 0 | 23 26 | 0 22 | 18 16 | 0 36 | 23 17 | 0 3 | 22 49 | 0 42 | 19 33 | 0 9 | 13 15 | 0 42 | 7 14 | 16 52 | 8 29 | 7 49 | 7 42 | 17 0 | 6 32 | T 5 |
| W 6 | 21 28 | 14 26 | 1 12 | 21 31 | 1 57 | 23 22 | 0 24 | 18 26 | 0 36 | 23 16 | 0 3 | 22 49 | 0 42 | 19 33 | 0 9 | 13 14 | 0 42 | 7 14 | 16 52 | 8 31 | 7 50 | 7 39 | 17 0 | 6 31 | W 6 |
| T 7 | 21 18 | 9 14 | 0 8 | 21 3 | 1 54 | 23 17 | 0 27 | 18 36 | 0 35 | 23 15 | 0 3 | 22 50 | 0 42 | 19 33 | 0 9 | 13 13 | 0 42 | 7 14 | 16 52 | 8 31 | 7 51 | 7 36 | 17 0 | 6 31 | T 7 |
| F 8 | 21 7 | 3 45 | 0n55 | 20 34 | 1 50 | 23 12 | 0 29 | 18 46 | 0 34 | 23 14 | 0 3 | 22 50 | 0 42 | 19 32 | 0 9 | 13 13 | 0 42 | 7 13 | 16 51 | 8 31 | 7 52 | 7 32 | 17 0 | 6 31 | F 8 |
| S 9 | 20 55 | 1n52 | 1 57 | 20 3 | 1 45 | 23 5 | 0 31 | 18 56 | 0 34 | 23 13 | 0 3 | 22 50 | 0 41 | 19 32 | 0 9 | 13 12 | 0 42 | 7 13 | 16 51 | 8 30 | 7 53 | 7 29 | 17 1 | 6 31 | S 9 |
| S 10 | 20 43 | 7 27 | 2 54 | 19 30 | 1 40 | 22 58 | 0 33 | 19 5 | 0 33 | 23 12 | 0 3 | 22 50 | 0 41 | 19 32 | 0 9 | 13 11 | 0 42 | 7 12 | 16 50 | 8 30 | 7 55 | 7 26 | 17 1 | 6 31 | S 10 |
| M11 | 20 31 | 12 50 | 3 44 | 18 57 | 1 34 | 22 50 | 0 36 | 19 15 | 0 32 | 23 11 | 0 3 | 22 50 | 0 41 | 19 32 | 0 9 | 13 10 | 0 42 | 7 12 | 16 50 | 8 29 | 7 56 | 7 22 | 17 1 | 6 30 | M11 |
| T 12 | 20 19 | 17 50 | 4 25 | 18 21 | 1 28 | 22 42 | 0 38 | 19 24 | 0 32 | 23 10 | 0 3 | 22 50 | 0 41 | 19 32 | 0 9 | 13 10 | 0 42 | 7 11 | 16 50 | 8 29 | 7 57 | 7 19 | 17 1 | 6 30 | T 12 |
| W13 | 20 6 | 22 13 | 4 54 | 17 45 | 1 20 | 22 33 | 0 40 | 19 33 | 0 31 | 23 9 | 0 4 | 22 51 | 0 41 | 19 31 | 0 9 | 13 9 | 0 42 | 7 11 | 16 49 | 8 30 | 7 58 | 7 16 | 17 1 | 6 30 | W13 |
| T 14 | 19 52 | 25 41 | 5 10 | 17 8 | 1 12 | 22 23 | 0 42 | 19 42 | 0 30 | 23 8 | 0 4 | 22 51 | 0 41 | 19 31 | 0 9 | 13 8 | 0 42 | 7 11 | 16 49 | 8 31 | 7 59 | 7 12 | 17 2 | 6 30 | T 14 |
| F 15 | 19 38 | 27 50 | 5 9 | 16 29 | 1 3 | 22 12 | 0 44 | 19 51 | 0 30 | 23 7 | 0 4 | 22 51 | 0 41 | 19 31 | 0 9 | 13 8 | 0 42 | 7 10 | 16 49 | 8 33 | 8 1 | 7 9 | 17 2 | 6 30 | F 15 |
| S 16 | 19 24 | 28 22 | 4 51 | 15 50 | 0 53 | 22 1 | 0 46 | 20 0 | 0 29 | 23 6 | 0 4 | 22 51 | 0 40 | 19 31 | 0 9 | 13 7 | 0 42 | 7 10 | 16 48 | 8 35 | 8 2 | 7 6 | 17 2 | 6 29 | S 16 |
| S 17 | 19 10 | 27 2 | 4 14 | 15 11 | 0 43 | 21 49 | 0 48 | 20 8 | 0 28 | 23 5 | 0 4 | 22 51 | 0 40 | 19 31 | 0 9 | 13 6 | 0 42 | 7 9 | 16 48 | 8 37 | 8 3 | 7 2 | 17 2 | 6 29 | S 17 |
| M18 | 18 55 | 23 50 | 3 20 | 14 31 | 0 31 | 21 37 | 0 50 | 20 17 | 0 28 | 23 4 | 0 4 | 22 51 | 0 40 | 19 31 | 0 9 | 13 5 | 0 42 | 7 9 | 16 48 | 8 39 | 8 4 | 6 59 | 17 3 | 6 29 | M18 |
| T 19 | 18 40 | 19 0 | 2 11 | 13 51 | 0 19 | 21 23 | 0 52 | 20 25 | 0 27 | 23 3 | 0 4 | 22 52 | 0 40 | 19 31 | 0 9 | 13 5 | 0 42 | 7 8 | 16 47 | 8 40 | 8 5 | 6 55 | 17 3 | 6 28 | T 19 |
| W20 | 18 25 | 12 58 | 0 52 | 13 11 | 0 6 | 21 10 | 0 54 | 20 33 | 0 26 | 23 2 | 0 4 | 22 52 | 0 40 | 19 31 | 0 9 | 13 4 | 0 42 | 7 8 | 16 47 | 8 41 | 8 7 | 6 52 | 17 3 | 6 28 | W20 |
| T 21 | 18 9 | 6 11 | 0s29 | 12 33 | 0n 8 | 20 55 | 0 56 | 20 41 | 0 26 | 23 1 | 0 4 | 22 52 | 0 40 | 19 30 | 0 9 | 13 3 | 0 42 | 7 7 | 16 47 | 8 41 | 8 8 | 6 49 | 17 3 | 6 28 | T 21 |
| F 22 | 17 53 | 0s50 | 1 48 | 11 55 | 0 22 | 20 40 | 0 58 | 20 49 | 0 25 | 23 0 | 0 5 | 22 52 | 0 39 | 19 30 | 0 9 | 13 2 | 0 42 | 7 7 | 16 46 | 8 40 | 8 9 | 6 45 | 17 4 | 6 28 | F 22 |
| S 23 | 17 36 | 7 41 | 2 59 | 11 18 | 0 37 | 20 24 | 0 59 | 20 57 | 0 24 | 22 58 | 0 5 | 22 52 | 0 39 | 19 30 | 0 9 | 13 2 | 0 42 | 7 6 | 16 46 | 8 40 | 8 10 | 6 42 | 17 4 | 6 27 | S 23 |
| S 24 | 17 19 | 13 59 | 3 57 | 10 44 | 0 53 | 20 8 | 1 1 | 21 4 | 0 23 | 22 57 | 0 5 | 22 52 | 0 39 | 19 30 | 0 9 | 13 1 | 0 42 | 7 6 | 16 46 | 8 39 | 8 11 | 6 39 | 17 4 | 6 27 | S 24 |
| M25 | 17 2 | 19 26 | 4 40 | 10 12 | 1 9 | 19 51 | 1 3 | 21 11 | 0 23 | 22 56 | 0 5 | 22 53 | 0 39 | 19 30 | 0 9 | 13 0 | 0 42 | 7 5 | 16 45 | 8 39 | 8 13 | 6 35 | 17 5 | 6 27 | M25 |
| T 26 | 16 45 | 23 46 | 5 6 | 9 42 | 1 25 | 19 34 | 1 4 | 21 19 | 0 22 | 22 55 | 0 5 | 22 53 | 0 39 | 19 30 | 0 9 | 12 59 | 0 42 | 7 5 | 16 45 | 8 39 | 8 14 | 6 32 | 17 5 | 6 26 | T 26 |
| W27 | 16 27 | 26 45 | 5 15 | 9 16 | 1 41 | 19 16 | 1 6 | 21 26 | 0 21 | 22 54 | 0 5 | 22 53 | 0 39 | 19 30 | 0 9 | 12 59 | 0 42 | 7 4 | 16 45 | 8 40 | 8 15 | 6 29 | 17 5 | 6 26 | W27 |
| T 28 | 16 9 | 28 16 | 5 8 | 8 53 | 1 58 | 18 57 | 1 7 | 21 32 | 0 20 | 22 52 | 0 5 | 22 53 | 0 38 | 19 30 | 0 9 | 12 58 | 0 42 | 7 3 | 16 44 | 8 41 | 8 16 | 6 25 | 17 6 | 6 26 | T 28 |
| F 29 | 15 51 | 28 15 | 4 46 | 8 35 | 2 14 | 18 38 | 1 9 | 21 39 | 0 19 | 22 51 | 0 5 | 22 53 | 0 38 | 19 30 | 0 9 | 12 57 | 0 42 | 7 3 | 16 44 | 8 42 | 8 17 | 6 22 | 17 6 | 6 25 | F 29 |
| S 30 | 15 33 | 26 48 | 4 10 | 8 20 | 2 29 | 18 18 | 1 10 | 21 46 | 0 19 | 22 50 | 0 5 | 22 53 | 0 38 | 19 30 | 0 9 | 12 56 | 0 42 | 7 2 | 16 44 | 8 43 | 8 19 | 6 19 | 17 6 | 6 25 | S 30 |
| S 31 | 15s14 | 24s 5 | 3s24 | 8s10 | 2n44 | 17s58 | 1s11 | 21s52 | 0n18 | 22s49 | 0s 5 | 22n53 | 0s38 | 19n30 | 0s 9 | 12s56 | 0s42 | 7s 2 | 16s43 | 8s44 | 8s20 | 6s15 | 17n 7 | 6s24 | S 31 |

Julian Day Number = 2216336.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'27, Lahiri = 14°52'28 Julian Calendar 1 Jan. 1356 == Greg. Calendar 9 Jan. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## FEBRUARY 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 13 36 | 19♒50'13 | 9♒29 | 1°R52 | 14♒45 | 11♐33 | 14♑50 | 29°R43 | 27♉23 | 27♒53 | 21♈43 | 7°R35 | 8♓40 | 13♓19 | 28°R28 | M 1 |
| T 2 | 9 17 32 | 20°50'45 | 21°27 | 1♓22 | 16° 0 | 12°12 | 15° 3 | 29♊41 | 27°24 | 27°55 | 21°44 | 7♓33 | 8°37 | 13°25 | 28♊26 | T 2 |
| W 3 | 9 21 29 | 21°51'15 | 3♓19 | 0°43 | 17°15 | 12°51 | 15°15 | 29°38 | 27°24 | 27°58 | 21°45 | 7°D33 | 8°34 | 13°32 | 28°24 | W 3 |
| T 4 | 9 25 26 | 22°51'43 | 15° 7 | 29♒56 | 18°30 | 13°30 | 15°28 | 29°36 | 27°24 | 28° 0 | 21°45 | 7°33 | 8°30 | 13°39 | 28°23 | T 4 |
| F 5 | 9 29 22 | 23°52'09 | 26°53 | 29° 2 | 19°45 | 14° 9 | 15°40 | 29°35 | 27°25 | 28° 2 | 21°46 | 7°33 | 8°27 | 13°45 | 28°21 | F 5 |
| S 6 | 9 33 19 | 24°52'34 | 8♈42 | 28° 3 | 21° 0 | 14°47 | 15°53 | 29°33 | 27°25 | 28° 4 | 21°47 | 7°35 | 8°24 | 13°52 | 28°19 | S 6 |
| S 7 | 9 37 15 | 25°52'56 | 20°35 | 27° 0 | 22°15 | 15°26 | 16° 5 | 29°31 | 27°26 | 28° 7 | 21°48 | 7°36 | 8°21 | 13°59 | 28°18 | S 7 |
| M 8 | 9 41 12 | 26°53'17 | 2♉36 | 25°56 | 23°30 | 16° 5 | 16°17 | 29°30 | 27°26 | 28° 9 | 21°49 | 7°37 | 8°18 | 14° 5 | 28°16 | M 8 |
| T 9 | 9 45 8 | 27°53'36 | 14°51 | 24°51 | 24°45 | 16°44 | 16°30 | 29°28 | 27°27 | 28°11 | 21°50 | 7°38 | 8°15 | 14°12 | 28°15 | T 9 |
| W10 | 9 49 5 | 28°53'52 | 27°22 | 23°47 | 26° 0 | 17°22 | 16°42 | 29°27 | 27°28 | 28°14 | 21°51 | 7°R38 | 8°11 | 14°18 | 28°14 | W10 |
| T 11 | 9 53 1 | 29°54'07 | 10♊16 | 22°46 | 27°15 | 18° 1 | 16°54 | 29°25 | 27°28 | 28°16 | 21°51 | 7°38 | 8° 8 | 14°25 | 28°13 | T 11 |
| F 12 | 9 56 58 | 0♓54'20 | 23°34 | 21°48 | 28°30 | 18°40 | 17° 6 | 29°24 | 27°29 | 28°18 | 21°52 | 7°37 | 8° 5 | 14°32 | 28°12 | F 12 |
| S 13 | 10 0 55 | 1°54'30 | 7♋19 | 20°55 | 29°45 | 19°18 | 17°18 | 29°23 | 27°30 | 28°20 | 21°53 | 7°37 | 8° 2 | 14°38 | 28°11 | S 13 |
| S 14 | 10 4 51 | 2°54'39 | 21°32 | 20° 8 | 1♓ 0 | 19°57 | 17°29 | 29°22 | 27°31 | 28°23 | 21°54 | 7°36 | 7°59 | 14°45 | 28°10 | S 14 |
| M15 | 10 8 48 | 3°54'45 | 6♌10 | 19°27 | 2°15 | 20°36 | 17°41 | 29°22 | 27°32 | 28°25 | 21°55 | 7°36 | 7°55 | 14°52 | 28° 9 | M15 |
| T 16 | 10 12 44 | 4°54'49 | 21° 8 | 18°53 | 3°30 | 21°14 | 17°53 | 29°21 | 27°33 | 28°27 | 21°56 | 7°35 | 7°52 | 14°58 | 28° 8 | T 16 |
| W17 | 10 16 41 | 5°54'51 | 6♍18 | 18°26 | 4°45 | 21°53 | 18° 4 | 29°20 | 27°34 | 28°30 | 21°57 | 7°D35 | 7°49 | 15° 5 | 28° 8 | W17 |
| T 18 | 10 20 37 | 6°54'52 | 21°31 | 18° 5 | 6° 0 | 22°31 | 18°16 | 29°20 | 27°35 | 28°32 | 21°58 | 7°35 | 7°46 | 15°12 | 28° 7 | T 18 |
| F 19 | 10 24 34 | 7°54'50 | 6♎38 | 17°51 | 7°15 | 23°10 | 18°27 | 29°20 | 27°36 | 28°34 | 21°59 | 7°R35 | 7°43 | 15°18 | 28° 7 | F 19 |
| S 20 | 10 28 30 | 8°54'47 | 21°29 | 17°44 | 8°29 | 23°48 | 18°39 | 29°19 | 27°37 | 28°36 | 22° 0 | 7°35 | 7°40 | 15°25 | 28° 6 | S 20 |
| S 21 | 10 32 27 | 9°54'41 | 5♏58 | 17°D43 | 9°44 | 24°27 | 18°50 | 29°19 | 27°39 | 28°39 | 22° 1 | 7°35 | 7°36 | 15°32 | 28° 6 | S 21 |
| M22 | 10 36 24 | 10°54'35 | 20° 2 | 17°49 | 10°59 | 25° 5 | 19° 1 | 29°D19 | 27°40 | 28°41 | 22° 2 | 7°35 | 7°33 | 15°38 | 28° 6 | M22 |
| T 23 | 10 40 20 | 11°54'26 | 3♐40 | 18° 0 | 12°14 | 25°44 | 19°12 | 29°19 | 27°41 | 28°43 | 22° 4 | 7°35 | 7°30 | 15°45 | 28°D 6 | T 23 |
| W24 | 10 44 17 | 12°54'16 | 16°53 | 18°17 | 13°29 | 26°22 | 19°23 | 29°20 | 27°43 | 28°45 | 22° 5 | 7°D35 | 7°27 | 15°52 | 28° 6 | W24 |
| T 25 | 10 48 13 | 13°54'05 | 29°43 | 18°39 | 14°43 | 27° 1 | 19°34 | 29°20 | 27°44 | 28°47 | 22° 6 | 7°35 | 7°24 | 15°58 | 28° 6 | T 25 |
| F 26 | 10 52 10 | 14°53'51 | 12♑14 | 19° 6 | 15°58 | 27°39 | 19°45 | 29°20 | 27°46 | 28°50 | 22° 7 | 7°35 | 7°21 | 16° 5 | 28° 6 | F 26 |
| S 27 | 10 56 6 | 15°53'36 | 24°29 | 19°37 | 17°13 | 28°18 | 19°55 | 29°21 | 27°47 | 28°52 | 22° 8 | 7°36 | 7°17 | 16°11 | 28° 6 | S 27 |
| S 28 | 11 0 3 | 16°53'19 | 6♒32 | 20°13 | 18°28 | 28°56 | 20° 6 | 29°22 | 27°49 | 28°54 | 22° 9 | 7°37 | 7°14 | 16°18 | 28° 7 | S 28 |
| M29 | 11 3 59 | 17♓53'00 | 18♒28 | 20♒53 | 19♓42 | 29♐35 | 20♑17 | 29♊22 | 27♉51 | 28♒56 | 22♈10 | 7♓38 | 7♓11 | 16♓25 | 28♊ 7 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 14s55 | 20s20 | 2s29 | 8s 5 | 2n58 | 17s38 | 1s13 | 21s58 | 0n17 | 22s47 | 0s 6 | 22n54 | 0s38 | 19n31 | 0s 8 | 12s55 | 0s42 | 7s 1 | 16s43 | 8s45 | 8s21 | 6s12 | 17n 7 | 6s24 | M 1 |
| T 2 | 14 36 | 15 48 | 1 28 | 8 4 | 3 10 | 17 16 | 1 14 | 22 4 | 0 16 | 22 46 | 0 6 | 22 54 | 0 38 | 19 31 | 0 8 | 12 54 | 0 42 | 7 1 | 16 43 | 8 46 | 8 22 | 6 8 | 17 7 | 6 24 | T 2 |
| W 3 | 14 16 | 10 41 | 0 23 | 8 7 | 3 21 | 16 55 | 1 15 | 22 10 | 0 15 | 22 45 | 0 6 | 22 54 | 0 38 | 19 31 | 0 8 | 12 53 | 0 42 | 7 0 | 16 42 | 8 46 | 8 23 | 6 5 | 17 8 | 6 23 | W 3 |
| T 4 | 13 57 | 5 15 | 0n42 | 8 15 | 3 30 | 16 33 | 1 16 | 22 16 | 0 14 | 22 43 | 0 6 | 22 54 | 0 37 | 19 31 | 0 8 | 12 52 | 0 42 | 7 0 | 16 42 | 8 46 | 8 25 | 6 2 | 17 8 | 6 23 | T 4 |
| F 5 | 13 37 | 0n22 | 1 45 | 8 27 | 3 38 | 16 10 | 1 17 | 22 21 | 0 14 | 22 42 | 0 6 | 22 54 | 0 37 | 19 31 | 0 8 | 12 52 | 0 42 | 6 59 | 16 42 | 8 46 | 8 26 | 5 58 | 17 8 | 6 23 | F 5 |
| S 6 | 13 17 | 5 58 | 2 44 | 8 43 | 3 42 | 15 47 | 1 18 | 22 27 | 0 13 | 22 41 | 0 6 | 22 54 | 0 37 | 19 31 | 0 8 | 12 51 | 0 42 | 6 58 | 16 41 | 8 45 | 8 27 | 5 55 | 17 9 | 6 22 | S 6 |
| S 7 | 12 56 | 11 24 | 3 37 | 9 1 | 3 45 | 15 23 | 1 19 | 22 32 | 0 12 | 22 39 | 0 6 | 22 55 | 0 37 | 19 31 | 0 8 | 12 50 | 0 42 | 6 58 | 16 41 | 8 45 | 8 28 | 5 52 | 17 9 | 6 22 | S 7 |
| M 8 | 12 36 | 16 29 | 4 20 | 9 23 | 3 46 | 15 0 | 1 20 | 22 37 | 0 11 | 22 38 | 0 6 | 22 55 | 0 37 | 19 31 | 0 8 | 12 49 | 0 42 | 6 57 | 16 41 | 8 45 | 8 29 | 5 48 | 17 10 | 6 21 | M 8 |
| T 9 | 12 15 | 21 1 | 4 53 | 9 46 | 3 44 | 14 35 | 1 21 | 22 42 | 0 10 | 22 37 | 0 7 | 22 55 | 0 37 | 19 32 | 0 8 | 12 49 | 0 42 | 6 57 | 16 40 | 8 44 | 8 31 | 5 45 | 17 10 | 6 21 | T 9 |
| W10 | 11 54 | 24 43 | 5 13 | 10 11 | 3 40 | 14 11 | 1 22 | 22 46 | 0 9 | 22 35 | 0 7 | 22 55 | 0 36 | 19 32 | 0 8 | 12 48 | 0 42 | 6 56 | 16 40 | 8 44 | 8 32 | 5 41 | 17 10 | 6 20 | W10 |
| T 11 | 11 33 | 27 18 | 5 17 | 10 36 | 3 34 | 13 45 | 1 22 | 22 51 | 0 8 | 22 34 | 0 7 | 22 55 | 0 36 | 19 32 | 0 8 | 12 47 | 0 42 | 6 56 | 16 40 | 8 44 | 8 33 | 5 38 | 17 11 | 6 20 | T 11 |
| F 12 | 11 11 | 28 27 | 5 6 | 11 2 | 3 27 | 13 20 | 1 23 | 22 55 | 0 7 | 22 32 | 0 7 | 22 55 | 0 36 | 19 32 | 0 8 | 12 46 | 0 42 | 6 55 | 16 40 | 8 44 | 8 34 | 5 35 | 17 11 | 6 20 | F 12 |
| S 13 | 10 50 | 27 55 | 4 36 | 11 27 | 3 17 | 12 54 | 1 24 | 22 59 | 0 6 | 22 31 | 0 7 | 22 56 | 0 36 | 19 32 | 0 8 | 12 45 | 0 42 | 6 54 | 16 39 | 8 45 | 8 35 | 5 31 | 17 12 | 6 19 | S 13 |
| S 14 | 10 28 | 25 34 | 3 49 | 11 52 | 3 7 | 12 28 | 1 24 | 23 3 | 0 5 | 22 30 | 0 7 | 22 56 | 0 36 | 19 33 | 0 8 | 12 45 | 0 42 | 6 54 | 16 39 | 8 45 | 8 36 | 5 28 | 17 12 | 6 19 | S 14 |
| M15 | 10 7 | 21 29 | 2 46 | 12 16 | 2 55 | 12 1 | 1 25 | 23 7 | 0 4 | 22 28 | 0 7 | 22 56 | 0 36 | 19 33 | 0 8 | 12 44 | 0 42 | 6 53 | 16 39 | 8 45 | 8 38 | 5 25 | 17 13 | 6 18 | M15 |
| T 16 | 9 45 | 15 56 | 1 30 | 12 38 | 2 43 | 11 35 | 1 25 | 23 11 | 0 3 | 22 27 | 0 7 | 22 56 | 0 35 | 19 33 | 0 8 | 12 43 | 0 42 | 6 53 | 16 39 | 8 45 | 8 39 | 5 21 | 17 13 | 6 18 | T 16 |
| W17 | 9 22 | 9 21 | 0 7 | 12 59 | 2 30 | 11 8 | 1 25 | 23 14 | 0 2 | 22 25 | 0 7 | 22 56 | 0 35 | 19 33 | 0 8 | 12 42 | 0 42 | 6 52 | 16 38 | 8 45 | 8 40 | 5 18 | 17 13 | 6 17 | W17 |
| T 18 | 9 0 | 2 12 | 1s17 | 13 18 | 2 16 | 10 40 | 1 26 | 23 18 | 0 1 | 22 24 | 0 8 | 22 56 | 0 35 | 19 34 | 0 8 | 12 41 | 0 42 | 6 51 | 16 38 | 8 45 | 8 41 | 5 14 | 17 14 | 6 17 | T 18 |
| F 19 | 8 38 | 5s 0 | 2 35 | 13 36 | 2 2 | 10 12 | 1 26 | 23 21 | 0 0 | 22 23 | 0 8 | 22 57 | 0 35 | 19 34 | 0 8 | 12 41 | 0 42 | 6 51 | 16 38 | 8 45 | 8 42 | 5 11 | 17 14 | 6 16 | F 19 |
| S 20 | 8 15 | 11 49 | 3 41 | 13 51 | 1 48 | 9 44 | 1 26 | 23 24 | 0s 1 | 22 21 | 0 8 | 22 57 | 0 35 | 19 34 | 0 8 | 12 40 | 0 43 | 6 50 | 16 37 | 8 45 | 8 44 | 5 8 | 17 15 | 6 16 | S 20 |
| S 21 | 7 53 | 17 49 | 4 31 | 14 5 | 1 34 | 9 16 | 1 26 | 23 27 | 0 2 | 22 20 | 0 8 | 22 57 | 0 35 | 19 34 | 0 8 | 12 39 | 0 43 | 6 50 | 16 37 | 8 45 | 8 45 | 5 4 | 17 15 | 6 15 | S 21 |
| M22 | 7 30 | 22 41 | 5 3 | 14 17 | 1 20 | 8 48 | 1 26 | 23 29 | 0 3 | 22 18 | 0 8 | 22 57 | 0 34 | 19 35 | 0 8 | 12 38 | 0 43 | 6 49 | 16 37 | 8 45 | 8 46 | 5 1 | 17 16 | 6 15 | M22 |
| T 23 | 7 7 | 26 9 | 5 17 | 14 26 | 1 6 | 8 19 | 1 26 | 23 32 | 0 4 | 22 17 | 0 8 | 22 57 | 0 34 | 19 35 | 0 8 | 12 38 | 0 43 | 6 48 | 16 37 | 8 45 | 8 47 | 4 57 | 17 16 | 6 15 | T 23 |
| W24 | 6 44 | 28 5 | 5 14 | 14 34 | 0 53 | 7 50 | 1 26 | 23 34 | 0 5 | 22 15 | 0 8 | 22 57 | 0 34 | 19 35 | 0 8 | 12 37 | 0 43 | 6 48 | 16 37 | 8 45 | 8 48 | 4 54 | 17 17 | 6 14 | W24 |
| T 25 | 6 21 | 28 26 | 4 55 | 14 40 | 0 40 | 7 21 | 1 26 | 23 36 | 0 6 | 22 14 | 0 8 | 22 57 | 0 34 | 19 36 | 0 8 | 12 36 | 0 43 | 6 47 | 16 36 | 8 45 | 8 50 | 4 51 | 17 17 | 6 14 | T 25 |
| F 26 | 5 58 | 27 18 | 4 22 | 14 44 | 0 27 | 6 52 | 1 25 | 23 38 | 0 8 | 22 12 | 0 9 | 22 58 | 0 34 | 19 36 | 0 8 | 12 35 | 0 43 | 6 46 | 16 36 | 8 45 | 8 51 | 4 47 | 17 18 | 6 13 | F 26 |
| S 27 | 5 35 | 24 52 | 3 38 | 14 46 | 0 14 | 6 22 | 1 25 | 23 40 | 0 9 | 22 11 | 0 9 | 22 58 | 0 34 | 19 36 | 0 8 | 12 35 | 0 43 | 6 46 | 16 36 | 8 45 | 8 52 | 4 44 | 17 18 | 6 13 | S 27 |
| S 28 | 5 12 | 21 21 | 2 44 | 14 46 | 0 2 | 5 53 | 1 25 | 23 41 | 0 10 | 22 10 | 0 9 | 22 58 | 0 33 | 19 37 | 0 8 | 12 34 | 0 43 | 6 45 | 16 36 | 8 45 | 8 53 | 4 40 | 17 19 | 6 12 | S 28 |
| M29 | 4s48 | 17s 0 | 1s45 | 14s44 | 0s10 | 5s23 | 1s24 | 23s43 | 0s11 | 22s 8 | 0s 9 | 22n58 | 0s33 | 19n37 | 0s 8 | 12s33 | 0s43 | 6s45 | 16s35 | 8s44 | 8s54 | 4s37 | 17n19 | 6s12 | M29 |

Julian Day Number = 2216367.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'31, Lahiri = 14°52'32 Julian Calendar 1 Feb. 1356 == Greg. Calendar 9 Feb. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## MARCH 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 7 56 | 18♓52'39 | 0♓17 | 21♒37 | 20♓57 | 0♑13 | 20♑27 | 29♊23 | 27♉52 | 28♒58 | 22♈12 | 7♓38 | 7♓ 8 | 16♓31 | 28♊ 8 | T 1 |
| W 2 | 11 11 53 | 19°52'16 | 12° 5 | 22°25 | 22°12 | 0°51 | 20°37 | 29°24 | 27°54 | 29° 1 | 22°13 | 7°R39 | 7° 5 | 16°38 | 28° 8 | W 2 |
| T 3 | 11 15 49 | 20°51'51 | 23°52 | 23°15 | 23°26 | 1°29 | 20°47 | 29°25 | 27°56 | 29° 3 | 22°14 | 7°38 | 7° 1 | 16°45 | 28° 9 | T 3 |
| F 4 | 11 19 46 | 21°51'24 | 5♈41 | 24° 9 | 24°41 | 2° 8 | 20°57 | 29°27 | 27°58 | 29° 5 | 22°15 | 7°37 | 6°58 | 16°51 | 28°10 | F 4 |
| S 5 | 11 23 42 | 22°50'54 | 17°34 | 25° 6 | 25°56 | 2°46 | 21° 7 | 29°28 | 27°59 | 29° 7 | 22°16 | 7°35 | 6°55 | 16°58 | 28°11 | S 5 |
| S 6 | 11 27 39 | 23°50'23 | 29°34 | 26° 6 | 27°10 | 3°24 | 21°17 | 29°29 | 28° 1 | 29° 9 | 22°18 | 7°32 | 6°52 | 17° 5 | 28°12 | S 6 |
| M 7 | 11 31 35 | 24°49'49 | 11♉42 | 27° 8 | 28°25 | 4° 2 | 21°27 | 29°31 | 28° 3 | 29°11 | 22°19 | 7°29 | 6°49 | 17°11 | 28°13 | M 7 |
| T 8 | 11 35 32 | 25°49'14 | 24° 1 | 28°13 | 29°39 | 4°40 | 21°37 | 29°33 | 28° 5 | 29°13 | 22°20 | 7°27 | 6°46 | 17°18 | 28°14 | T 8 |
| W 9 | 11 39 28 | 26°48'35 | 6♊35 | 29°20 | 0♈54 | 5°18 | 21°46 | 29°34 | 28° 7 | 29°15 | 22°21 | 7°25 | 6°42 | 17°25 | 28°15 | W 9 |
| T 10 | 11 43 25 | 27°47'55 | 19°26 | 0♓30 | 2° 8 | 5°56 | 21°55 | 29°36 | 28° 9 | 29°18 | 22°23 | 7°24 | 6°39 | 17°31 | 28°17 | T 10 |
| F 11 | 11 47 21 | 28°47'12 | 2♋38 | 1°42 | 3°23 | 6°34 | 22° 5 | 29°38 | 28°12 | 29°20 | 22°24 | 7°D24 | 6°36 | 17°38 | 28°18 | F 11 |
| S 12 | 11 51 18 | 29°46'27 | 16°13 | 2°55 | 4°37 | 7°12 | 22°14 | 29°40 | 28°14 | 29°22 | 22°25 | 7°24 | 6°33 | 17°45 | 28°20 | S 12 |
| S 13 | 11 55 15 | 0♈45'40 | 0♌12 | 4°11 | 5°52 | 7°50 | 22°23 | 29°43 | 28°16 | 29°24 | 22°27 | 7°26 | 6°30 | 17°51 | 28°21 | S 13 |
| M14 | 11 59 11 | 1°44'50 | 14°35 | 5°29 | 7° 6 | 8°28 | 22°32 | 29°45 | 28°18 | 29°26 | 22°28 | 7°27 | 6°27 | 17°58 | 28°23 | M14 |
| T 15 | 12 3 8 | 2°43'58 | 29°20 | 6°49 | 8°21 | 9° 6 | 22°40 | 29°47 | 28°20 | 29°28 | 22°29 | 7°28 | 6°23 | 18° 4 | 28°25 | T 15 |
| W16 | 12 7 4 | 3°43'03 | 14♍22 | 8°10 | 9°35 | 9°44 | 22°49 | 29°50 | 28°23 | 29°30 | 22°30 | 7°R28 | 6°20 | 18°11 | 28°27 | W16 |
| T 17 | 12 11 1 | 4°42'06 | 29°33 | 9°33 | 10°49 | 10°21 | 22°58 | 29°52 | 28°25 | 29°32 | 22°32 | 7°27 | 6°17 | 18°18 | 28°29 | T 17 |
| F 18 | 12 14 57 | 5°41'07 | 14♎43 | 10°58 | 12° 4 | 10°59 | 23° 6 | 29°55 | 28°28 | 29°33 | 22°33 | 7°24 | 6°14 | 18°24 | 28°31 | F 18 |
| S 19 | 12 18 54 | 6°40'07 | 29°44 | 12°25 | 13°18 | 11°37 | 23°14 | 29°58 | 28°30 | 29°35 | 22°34 | 7°20 | 6°11 | 18°31 | 28°33 | S 19 |
| S 20 | 12 22 50 | 7°39'04 | 14♏25 | 13°53 | 14°32 | 12°14 | 23°22 | 0♋ 1 | 28°32 | 29°37 | 22°36 | 7°16 | 6° 7 | 18°38 | 28°35 | S 20 |
| M21 | 12 26 47 | 8°37'59 | 28°42 | 15°23 | 15°47 | 12°52 | 23°30 | 0° 4 | 28°35 | 29°39 | 22°37 | 7°12 | 6° 4 | 18°44 | 28°37 | M21 |
| T 22 | 12 30 44 | 9°36'53 | 12♐30 | 16°54 | 17° 1 | 13°29 | 23°38 | 0° 7 | 28°38 | 29°41 | 22°38 | 7° 8 | 6° 1 | 18°51 | 28°40 | T 22 |
| W23 | 12 34 40 | 10°35'45 | 25°50 | 18°27 | 18°15 | 14° 7 | 23°46 | 0°10 | 28°40 | 29°43 | 22°40 | 7° 6 | 5°58 | 18°58 | 28°42 | W23 |
| T 24 | 12 38 37 | 11°34'35 | 8♑43 | 20° 2 | 19°29 | 14°44 | 23°53 | 0°14 | 28°43 | 29°45 | 22°41 | 7°D 5 | 5°55 | 19° 4 | 28°45 | T 24 |
| F 25 | 12 42 33 | 12°33'24 | 21°14 | 21°38 | 20°44 | 15°22 | 24° 1 | 0°17 | 28°45 | 29°46 | 22°43 | 7° 5 | 5°52 | 19°11 | 28°47 | F 25 |
| S 26 | 12 46 30 | 13°32'10 | 3♒27 | 23°16 | 21°58 | 15°59 | 24° 8 | 0°20 | 28°48 | 29°48 | 22°44 | 7° 6 | 5°48 | 19°18 | 28°50 | S 26 |
| S 27 | 12 50 26 | 14°30'55 | 15°26 | 24°55 | 23°12 | 16°36 | 24°15 | 0°24 | 28°51 | 29°50 | 22°45 | 7° 8 | 5°45 | 19°24 | 28°53 | S 27 |
| M28 | 12 54 23 | 15°29'38 | 27°17 | 26°36 | 24°26 | 17°13 | 24°22 | 0°28 | 28°54 | 29°52 | 22°47 | 7° 9 | 5°42 | 19°31 | 28°56 | M28 |
| T 29 | 12 58 19 | 16°28'19 | 9♓ 3 | 28°19 | 25°40 | 17°51 | 24°29 | 0°32 | 28°56 | 29°53 | 22°48 | 7°R10 | 5°39 | 19°38 | 28°59 | T 29 |
| W30 | 13 2 16 | 17°26'59 | 20°49 | 0♈ 3 | 26°54 | 18°28 | 24°36 | 0°35 | 28°59 | 29°55 | 22°49 | 7° 9 | 5°36 | 19°44 | 29° 2 | W30 |
| T 31 | 13 6 13 | 18♈25'36 | 2♈38 | 1♈49 | 28♈ 8 | 19♑ 5 | 24♑42 | 0♋39 | 29♉ 2 | 29♒57 | 22♈51 | 7♓ 6 | 5♓32 | 19♓51 | 29♊ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s25 | 12s 3 | 0s41 | 14s41 | 0s21 | 4s53 | 1s24 | 23s44 | 0s12 | 22s 7 | 0s 9 | 22n58 | 0s33 | 19n38 | 0s 8 | 12s32 | 0s43 | 6s44 | 16s35 | 8s44 | 8s55 | 4s34 | 17n20 | 6s11 |
| W 2 | 4 2 | 6 41 | 0n25 | 14 36 | 0 32 | 4 23 | 1 23 | 23 45 | 0 13 | 22 5 | 0 9 | 22 58 | 0 33 | 19 38 | 0 8 | 12 32 | 0 43 | 6 43 | 16 35 | 8 44 | 8 57 | 4 30 | 17 20 | 6 11 |
| T 3 | 3 38 | 1 5 | 1 29 | 14 29 | 0 42 | 3 53 | 1 22 | 23 46 | 0 15 | 22 4 | 0 9 | 22 59 | 0 33 | 19 38 | 0 8 | 12 31 | 0 43 | 6 43 | 16 35 | 8 44 | 8 58 | 4 27 | 17 20 | 6 10 |
| F 4 | 3 14 | 4n33 | 2 29 | 14 20 | 0 52 | 3 22 | 1 22 | 23 46 | 0 16 | 22 2 | 0 9 | 22 59 | 0 33 | 19 39 | 0 8 | 12 30 | 0 43 | 6 42 | 16 35 | 8 45 | 8 59 | 4 24 | 17 21 | 6 10 |
| S 5 | 2 51 | 10 3 | 3 24 | 14 10 | 1 2 | 2 52 | 1 21 | 23 47 | 0 17 | 22 1 | 0 10 | 22 59 | 0 32 | 19 39 | 0 8 | 12 29 | 0 43 | 6 42 | 16 34 | 8 45 | 9 0 | 4 20 | 17 21 | 6 9 |
| S 6 | 2 27 | 15 14 | 4 9 | 13 58 | 1 10 | 2 21 | 1 20 | 23 47 | 0 18 | 22 0 | 0 10 | 22 59 | 0 32 | 19 40 | 0 8 | 12 29 | 0 43 | 6 41 | 16 34 | 8 46 | 9 1 | 4 17 | 17 22 | 6 9 |
| M 7 | 2 4 | 19 54 | 4 44 | 13 45 | 1 19 | 1 51 | 1 19 | 23 48 | 0 20 | 21 58 | 0 10 | 22 59 | 0 32 | 19 40 | 0 8 | 12 28 | 0 43 | 6 40 | 16 34 | 8 47 | 9 3 | 4 13 | 17 22 | 6 8 |
| T 8 | 1 40 | 23 48 | 5 7 | 13 30 | 1 27 | 1 20 | 1 18 | 23 48 | 0 21 | 21 57 | 0 10 | 22 59 | 0 32 | 19 41 | 0 8 | 12 27 | 0 43 | 6 40 | 16 34 | 8 48 | 9 4 | 4 10 | 17 23 | 6 8 |
| W 9 | 1 16 | 26 40 | 5 16 | 13 13 | 1 34 | 0 49 | 1 17 | 23 47 | 0 22 | 21 55 | 0 10 | 23 0 | 0 32 | 19 41 | 0 8 | 12 27 | 0 43 | 6 39 | 16 34 | 8 49 | 9 5 | 4 7 | 17 23 | 6 7 |
| T 10 | 0 53 | 28 14 | 5 9 | 12 55 | 1 41 | 0 19 | 1 16 | 23 47 | 0 24 | 21 54 | 0 10 | 23 0 | 0 32 | 19 42 | 0 8 | 12 26 | 0 43 | 6 39 | 16 34 | 8 49 | 9 6 | 4 3 | 17 24 | 6 7 |
| F 11 | 0 29 | 28 16 | 4 46 | 12 35 | 1 48 | 0n12 | 1 15 | 23 47 | 0 25 | 21 53 | 0 10 | 23 0 | 0 32 | 19 42 | 0 8 | 12 25 | 0 43 | 6 38 | 16 33 | 8 50 | 9 7 | 4 0 | 17 24 | 6 7 |
| S 12 | 0 5 | 26 37 | 4 6 | 12 14 | 1 54 | 0 43 | 1 14 | 23 46 | 0 26 | 21 51 | 0 11 | 23 0 | 0 31 | 19 43 | 0 8 | 12 24 | 0 43 | 6 37 | 16 33 | 8 49 | 9 8 | 3 56 | 17 25 | 6 6 |
| S 13 | 0n18 | 23 18 | 3 11 | 11 52 | 2 0 | 1 13 | 1 13 | 23 45 | 0 28 | 21 50 | 0 11 | 23 0 | 0 31 | 19 43 | 0 8 | 12 24 | 0 43 | 6 37 | 16 33 | 8 49 | 9 10 | 3 53 | 17 25 | 6 6 |
| M14 | 0 42 | 18 28 | 2 3 | 11 28 | 2 5 | 1 44 | 1 12 | 23 44 | 0 29 | 21 49 | 0 11 | 23 0 | 0 31 | 19 44 | 0 8 | 12 23 | 0 43 | 6 36 | 16 33 | 8 48 | 9 11 | 3 50 | 17 26 | 6 5 |
| T 15 | 1 5 | 12 27 | 0 45 | 11 3 | 2 9 | 2 15 | 1 10 | 23 43 | 0 31 | 21 47 | 0 11 | 23 1 | 0 31 | 19 44 | 0 8 | 12 22 | 0 43 | 6 36 | 16 33 | 8 48 | 9 12 | 3 46 | 17 26 | 6 5 |
| W16 | 1 29 | 5 36 | 0s38 | 10 36 | 2 13 | 2 45 | 1 9 | 23 42 | 0 32 | 21 46 | 0 11 | 23 1 | 0 31 | 19 45 | 0 8 | 12 22 | 0 43 | 6 35 | 16 33 | 8 48 | 9 13 | 3 43 | 17 27 | 6 4 |
| T 17 | 1 53 | 1s38 | 1 58 | 10 8 | 2 17 | 3 16 | 1 7 | 23 41 | 0 33 | 21 45 | 0 11 | 23 1 | 0 31 | 19 45 | 0 8 | 12 21 | 0 43 | 6 34 | 16 33 | 8 48 | 9 14 | 3 39 | 17 27 | 6 4 |
| F 18 | 2 16 | 8 45 | 3 11 | 9 38 | 2 20 | 3 46 | 1 6 | 23 39 | 0 35 | 21 44 | 0 11 | 23 1 | 0 30 | 19 46 | 0 8 | 12 20 | 0 43 | 6 34 | 16 33 | 8 49 | 9 16 | 3 36 | 17 28 | 6 3 |
| S 19 | 2 39 | 15 17 | 4 8 | 9 8 | 2 23 | 4 17 | 1 4 | 23 37 | 0 36 | 21 42 | 0 12 | 23 1 | 0 30 | 19 46 | 0 8 | 12 20 | 0 43 | 6 33 | 16 32 | 8 51 | 9 17 | 3 33 | 17 28 | 6 3 |
| S 20 | 3 3 | 20 49 | 4 49 | 8 35 | 2 25 | 4 47 | 1 3 | 23 35 | 0 38 | 21 41 | 0 12 | 23 1 | 0 30 | 19 47 | 0 8 | 12 19 | 0 43 | 6 33 | 16 32 | 8 52 | 9 18 | 3 29 | 17 29 | 6 2 |
| M21 | 3 26 | 24 58 | 5 10 | 8 2 | 2 27 | 5 17 | 1 1 | 23 33 | 0 39 | 21 40 | 0 12 | 23 2 | 0 30 | 19 47 | 0 8 | 12 18 | 0 43 | 6 32 | 16 32 | 8 54 | 9 19 | 3 26 | 17 29 | 6 2 |
| T 22 | 3 49 | 27 31 | 5 12 | 7 27 | 2 28 | 5 47 | 1 0 | 23 31 | 0 41 | 21 39 | 0 12 | 23 2 | 0 30 | 19 48 | 0 8 | 12 18 | 0 43 | 6 32 | 16 32 | 8 55 | 9 20 | 3 22 | 17 30 | 6 1 |
| W23 | 4 13 | 28 24 | 4 57 | 6 51 | 2 28 | 6 17 | 0 58 | 23 29 | 0 43 | 21 38 | 0 12 | 23 2 | 0 30 | 19 49 | 0 8 | 12 17 | 0 43 | 6 31 | 16 32 | 8 56 | 9 21 | 3 19 | 17 30 | 6 1 |
| T 24 | 4 36 | 27 40 | 4 27 | 6 14 | 2 28 | 6 47 | 0 56 | 23 26 | 0 44 | 21 36 | 0 12 | 23 2 | 0 30 | 19 49 | 0 8 | 12 17 | 0 43 | 6 30 | 16 32 | 8 57 | 9 23 | 3 16 | 17 31 | 6 1 |
| F 25 | 4 59 | 25 33 | 3 45 | 5 36 | 2 28 | 7 17 | 0 54 | 23 24 | 0 46 | 21 35 | 0 12 | 23 2 | 0 29 | 19 50 | 0 8 | 12 16 | 0 43 | 6 30 | 16 32 | 8 57 | 9 24 | 3 12 | 17 31 | 6 0 |
| S 26 | 5 22 | 22 16 | 2 54 | 4 56 | 2 27 | 7 47 | 0 52 | 23 21 | 0 47 | 21 34 | 0 13 | 23 2 | 0 29 | 19 50 | 0 8 | 12 15 | 0 43 | 6 29 | 16 32 | 8 56 | 9 25 | 3 9 | 17 32 | 6 0 |
| S 27 | 5 45 | 18 7 | 1 56 | 4 15 | 2 26 | 8 16 | 0 50 | 23 18 | 0 49 | 21 33 | 0 13 | 23 2 | 0 29 | 19 51 | 0 8 | 12 15 | 0 43 | 6 29 | 16 32 | 8 55 | 9 26 | 3 5 | 17 32 | 5 59 |
| M28 | 6 7 | 13 18 | 0 54 | 3 33 | 2 24 | 8 45 | 0 48 | 23 15 | 0 51 | 21 32 | 0 13 | 23 2 | 0 29 | 19 52 | 0 8 | 12 14 | 0 43 | 6 28 | 16 32 | 8 55 | 9 27 | 3 2 | 17 32 | 5 59 |
| T 29 | 6 30 | 8 3 | 0n10 | 2 50 | 2 21 | 9 14 | 0 46 | 23 12 | 0 52 | 21 31 | 0 13 | 23 3 | 0 29 | 19 52 | 0 8 | 12 14 | 0 43 | 6 28 | 16 32 | 8 55 | 9 28 | 2 59 | 17 33 | 5 58 |
| W30 | 6 52 | 2 31 | 1 14 | 2 6 | 2 18 | 9 43 | 0 44 | 23 8 | 0 54 | 21 30 | 0 13 | 23 3 | 0 29 | 19 53 | 0 8 | 12 13 | 0 43 | 6 27 | 16 32 | 8 55 | 9 30 | 2 55 | 17 33 | 5 58 |
| T 31 | 7n15 | 3n 6 | 2n14 | 1s20 | 2s15 | 10n12 | 0s42 | 23s 5 | 0s56 | 21s29 | 0s13 | 23n 3 | 0s29 | 19n53 | 0s 8 | 12s12 | 0s43 | 6s27 | 16s32 | 8s56 | 9s31 | 2s52 | 17n34 | 5s58 |

Julian Day Number = 2216396.5, Delta T = 09m00s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'35, Lahiri = 14°52'36 Julian Calendar 1 March 1356 == Greg. Calendar 9 March 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## APRIL 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 10 9 | 19♈24'12 | 14♈33 | 3♈36 | 29♈22 | 19♉41 | 24♉49 | 0♋43 | 29♉ 5 | 29♒58 | 22♈52 | 7°R 1 | 5♓29 | 19♓57 | 29♊ 8 | F 1 |
| S 2 | 13 14 6 | 20°22'45 | 26°35 | 5°25 | 0♉37 | 20°18 | 24°55 | 0°48 | 29° 8 | 0♓ 0 | 22°54 | 6♓54 | 5°26 | 20° 4 | 29°11 | S 2 |
| S 3 | 13 18 2 | 21°21'17 | 8♉45 | 7°16 | 1°51 | 20°55 | 25° 1 | 0°52 | 29°11 | 0° 2 | 22°55 | 6°46 | 5°23 | 20°11 | 29°14 | S 3 |
| M 4 | 13 21 59 | 22°19'47 | 21° 6 | 9° 8 | 3° 5 | 21°32 | 25° 7 | 0°56 | 29°14 | 0° 3 | 22°56 | 6°38 | 5°20 | 20°17 | 29°18 | M 4 |
| T 5 | 13 25 55 | 23°18'15 | 3♊38 | 11° 2 | 4°19 | 22° 8 | 25°13 | 1° 1 | 29°17 | 0° 5 | 22°58 | 6°29 | 5°17 | 20°24 | 29°21 | T 5 |
| W 6 | 13 29 52 | 24°16'40 | 16°23 | 12°58 | 5°32 | 22°45 | 25°18 | 1° 5 | 29°20 | 0° 6 | 22°59 | 6°23 | 5°13 | 20°31 | 29°25 | W 6 |
| T 7 | 13 33 48 | 25°15'04 | 29°21 | 14°55 | 6°46 | 23°21 | 25°24 | 1°10 | 29°23 | 0° 8 | 23° 0 | 6°18 | 5°10 | 20°37 | 29°28 | T 7 |
| F 8 | 13 37 45 | 26°13'26 | 12♋34 | 16°54 | 8° 0 | 23°58 | 25°29 | 1°14 | 29°26 | 0° 9 | 23° 2 | 6°15 | 5° 7 | 20°44 | 29°32 | F 8 |
| S 9 | 13 41 42 | 27°11'45 | 26° 4 | 18°54 | 9°14 | 24°34 | 25°34 | 1°19 | 29°29 | 0°11 | 23° 3 | 6°D14 | 5° 4 | 20°51 | 29°36 | S 9 |
| S 10 | 13 45 38 | 28°10'02 | 9♌53 | 20°56 | 10°28 | 25°10 | 25°39 | 1°24 | 29°32 | 0°12 | 23° 5 | 6°14 | 5° 1 | 20°57 | 29°40 | S 10 |
| M11 | 13 49 35 | 29° 8'17 | 24° 2 | 22°59 | 11°42 | 25°46 | 25°44 | 1°29 | 29°35 | 0°14 | 23° 6 | 6°15 | 4°58 | 21° 4 | 29°44 | M11 |
| T 12 | 13 53 31 | 0♍ 6'30 | 8♍28 | 25° 3 | 12°56 | 26°22 | 25°48 | 1°34 | 29°38 | 0°15 | 23° 7 | 6°R16 | 4°54 | 21°11 | 29°47 | T 12 |
| W13 | 13 57 28 | 1° 4'41 | 23°11 | 27° 9 | 14°10 | 26°58 | 25°53 | 1°39 | 29°41 | 0°16 | 23° 9 | 6°14 | 4°51 | 21°17 | 29°51 | W13 |
| T 14 | 14 1 24 | 2° 2'50 | 8♎ 4 | 29°16 | 15°23 | 27°34 | 25°57 | 1°44 | 29°45 | 0°18 | 23°10 | 6°11 | 4°48 | 21°24 | 29°56 | T 14 |
| F 15 | 14 5 21 | 3° 0'57 | 23° 1 | 1♉24 | 16°37 | 28°10 | 26° 1 | 1°49 | 29°48 | 0°19 | 23°12 | 6° 5 | 4°45 | 21°31 | 29°59 | F 15 |
| S 16 | 14 9 17 | 3°59'02 | 7♏53 | 3°33 | 17°51 | 28°45 | 26° 5 | 1°54 | 29°51 | 0°20 | 23°13 | 5°58 | 4°42 | 21°37 | 0♋ 4 | S 16 |
| S 17 | 14 13 14 | 4°57'06 | 22°32 | 5°43 | 19° 4 | 29°21 | 26° 9 | 2° 0 | 29°54 | 0°21 | 23°14 | 5°49 | 4°38 | 21°44 | 0° 8 | S 17 |
| M18 | 14 17 11 | 5°55'08 | 6♐50 | 7°53 | 20°18 | 29°56 | 26°12 | 2° 5 | 29°58 | 0°23 | 23°16 | 5°39 | 4°35 | 21°51 | 0°12 | M18 |
| T 19 | 14 21 7 | 6°53'09 | 20°42 | 10° 3 | 21°32 | 0♒32 | 26°16 | 2°11 | 0♊ 1 | 0°24 | 23°17 | 5°31 | 4°32 | 21°57 | 0°17 | T 19 |
| W20 | 14 25 4 | 7°51'08 | 4♑ 7 | 12°13 | 22°45 | 1° 7 | 26°19 | 2°16 | 0° 4 | 0°25 | 23°18 | 5°24 | 4°29 | 22° 4 | 0°21 | W20 |
| T 21 | 14 29 0 | 8°49'06 | 17° 4 | 14°23 | 23°59 | 1°42 | 26°22 | 2°22 | 0° 8 | 0°26 | 23°20 | 5°20 | 4°26 | 22°11 | 0°26 | T 21 |
| F 22 | 14 32 57 | 9°47'02 | 29°38 | 16°32 | 25°13 | 2°17 | 26°25 | 2°28 | 0°11 | 0°27 | 23°21 | 5°18 | 4°23 | 22°17 | 0°30 | F 22 |
| S 23 | 14 36 53 | 10°44'57 | 11♒52 | 18°40 | 26°26 | 2°52 | 26°28 | 2°33 | 0°14 | 0°28 | 23°22 | 5°D17 | 4°19 | 22°24 | 0°35 | S 23 |
| S 24 | 14 40 50 | 11°42'51 | 23°52 | 20°46 | 27°40 | 3°27 | 26°30 | 2°39 | 0°18 | 0°29 | 23°24 | 5°18 | 4°16 | 22°30 | 0°40 | S 24 |
| M25 | 14 44 46 | 12°40'43 | 5♓43 | 22°52 | 28°53 | 4° 1 | 26°32 | 2°45 | 0°21 | 0°30 | 23°25 | 5°R18 | 4°13 | 22°37 | 0°44 | M25 |
| T 26 | 14 48 43 | 13°38'34 | 17°30 | 24°55 | 0♊ 7 | 4°36 | 26°34 | 2°51 | 0°25 | 0°31 | 23°26 | 5°17 | 4°10 | 22°44 | 0°49 | T 26 |
| W27 | 14 52 40 | 14°36'24 | 29°18 | 26°57 | 1°20 | 5°10 | 26°36 | 2°57 | 0°28 | 0°32 | 23°28 | 5°15 | 4° 7 | 22°50 | 0°54 | W27 |
| T 28 | 14 56 36 | 15°34'13 | 11♈11 | 28°56 | 2°34 | 5°44 | 26°38 | 3° 3 | 0°31 | 0°33 | 23°29 | 5° 9 | 4° 4 | 22°57 | 0°59 | T 28 |
| F 29 | 15 0 33 | 16°32'00 | 23°12 | 0♊53 | 3°47 | 6°18 | 26°40 | 3° 9 | 0°35 | 0°34 | 23°30 | 5° 2 | 4° 0 | 23° 4 | 1° 4 | F 29 |
| S 30 | 15 4 29 | 17♉29'46 | 5♉25 | 2♊47 | 5♊ 1 | 6♒52 | 26♑41 | 3♋16 | 0♊38 | 0♓35 | 23♈32 | 4♓51 | 3♓57 | 23♓10 | 1♋ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n37 | 8n39 | 3n 9 | 0s34 | 2s11 | 10n40 | 0s40 | 23s 1 | 0s57 | 21s28 | 0s14 | 23n 3 | 0s28 | 19n54 | 0s 8 | 12s12 | 0s43 | 6s26 | 16s31 | 8s58 | 9s32 | 2s48 | 17n34 | 5s57 |
| S 2 | 7 59 | 13 57 | 3 56 | 0n14 | 2 7 | 11 8 | 0 38 | 22 57 | 0 59 | 21 27 | 0 14 | 23 3 | 0 28 | 19 55 | 0 8 | 12 11 | 0 43 | 6 26 | 16 31 | 9 1 | 9 33 | 2 45 | 17 35 | 5 57 |
| S 3 | 8 21 | 18 46 | 4 32 | 1 2 | 2 2 | 11 36 | 0 36 | 22 54 | 1 1 | 21 26 | 0 14 | 23 3 | 0 28 | 19 55 | 0 8 | 12 11 | 0 43 | 6 25 | 16 31 | 9 4 | 9 34 | 2 42 | 17 35 | 5 56 |
| M 4 | 8 43 | 22 52 | 4 57 | 1 51 | 1 56 | 12 3 | 0 34 | 22 50 | 1 3 | 21 25 | 0 14 | 23 3 | 0 28 | 19 56 | 0 8 | 12 10 | 0 43 | 6 25 | 16 31 | 9 7 | 9 35 | 2 38 | 17 36 | 5 56 |
| T 5 | 9 5 | 25 59 | 5 7 | 2 42 | 1 50 | 12 30 | 0 31 | 22 45 | 1 4 | 21 24 | 0 14 | 23 3 | 0 28 | 19 57 | 0 8 | 12 10 | 0 44 | 6 24 | 16 31 | 9 10 | 9 37 | 2 35 | 17 36 | 5 56 |
| W 6 | 9 27 | 27 51 | 5 3 | 3 33 | 1 44 | 12 57 | 0 29 | 22 41 | 1 6 | 21 23 | 0 14 | 23 4 | 0 28 | 19 57 | 0 8 | 12 9 | 0 44 | 6 24 | 16 31 | 9 12 | 9 38 | 2 31 | 17 36 | 5 55 |
| T 7 | 9 48 | 28 15 | 4 44 | 4 25 | 1 37 | 13 24 | 0 27 | 22 37 | 1 8 | 21 22 | 0 14 | 23 4 | 0 28 | 19 58 | 0 8 | 12 9 | 0 44 | 6 23 | 16 31 | 9 14 | 9 39 | 2 28 | 17 37 | 5 55 |
| F 8 | 10 10 | 27 3 | 4 8 | 5 17 | 1 29 | 13 50 | 0 25 | 22 32 | 1 10 | 21 22 | 0 15 | 23 4 | 0 27 | 19 59 | 0 7 | 12 8 | 0 44 | 6 23 | 16 31 | 9 15 | 9 40 | 2 25 | 17 37 | 5 54 |
| S 9 | 10 31 | 24 16 | 3 19 | 6 11 | 1 21 | 14 16 | 0 22 | 22 28 | 1 12 | 21 21 | 0 15 | 23 4 | 0 27 | 19 59 | 0 7 | 12 8 | 0 44 | 6 22 | 16 31 | 9 15 | 9 41 | 2 21 | 17 38 | 5 54 |
| S 10 | 10 52 | 20 2 | 2 17 | 7 4 | 1 13 | 14 42 | 0 20 | 22 23 | 1 14 | 21 20 | 0 15 | 23 4 | 0 27 | 20 0 | 0 7 | 12 7 | 0 44 | 6 22 | 16 31 | 9 15 | 9 42 | 2 18 | 17 38 | 5 54 |
| M11 | 11 12 | 14 35 | 1 5 | 7 59 | 1 4 | 15 7 | 0 18 | 22 18 | 1 16 | 21 19 | 0 15 | 23 4 | 0 27 | 20 1 | 0 7 | 12 7 | 0 44 | 6 21 | 16 31 | 9 15 | 9 44 | 2 14 | 17 38 | 5 53 |
| T 12 | 11 33 | 8 14 | 0s12 | 8 53 | 0 55 | 15 32 | 0 15 | 22 13 | 1 18 | 21 19 | 0 15 | 23 4 | 0 27 | 20 1 | 0 7 | 12 6 | 0 44 | 6 21 | 16 31 | 9 15 | 9 45 | 2 11 | 17 39 | 5 53 |
| W13 | 11 53 | 1 21 | 1 30 | 9 48 | 0 45 | 15 57 | 0 13 | 22 8 | 1 20 | 21 18 | 0 15 | 23 4 | 0 27 | 20 2 | 0 7 | 12 6 | 0 44 | 6 20 | 16 31 | 9 15 | 9 46 | 2 8 | 17 39 | 5 52 |
| T 14 | 12 14 | 5s41 | 2 42 | 10 42 | 0 35 | 16 21 | 0 10 | 22 3 | 1 22 | 21 17 | 0 16 | 23 4 | 0 27 | 20 3 | 0 7 | 12 5 | 0 44 | 6 20 | 16 32 | 9 16 | 9 47 | 2 4 | 17 39 | 5 52 |
| F 15 | 12 34 | 12 26 | 3 44 | 11 37 | 0 25 | 16 44 | 0 8 | 21 58 | 1 24 | 21 17 | 0 16 | 23 4 | 0 26 | 20 4 | 0 7 | 12 5 | 0 44 | 6 19 | 16 32 | 9 19 | 9 48 | 2 1 | 17 40 | 5 52 |
| S 16 | 12 54 | 18 26 | 4 29 | 12 31 | 0 15 | 17 8 | 0 5 | 21 53 | 1 26 | 21 16 | 0 16 | 23 4 | 0 26 | 20 4 | 0 7 | 12 5 | 0 44 | 6 19 | 16 32 | 9 21 | 9 49 | 1 57 | 17 40 | 5 51 |
| S 17 | 13 13 | 23 15 | 4 57 | 13 24 | 0 4 | 17 30 | 0 3 | 21 47 | 1 28 | 21 16 | 0 16 | 23 4 | 0 26 | 20 5 | 0 7 | 12 4 | 0 44 | 6 18 | 16 32 | 9 25 | 9 51 | 1 54 | 17 40 | 5 51 |
| M18 | 13 33 | 26 32 | 5 5 | 14 17 | 0n 6 | 17 53 | 0 0 | 21 42 | 1 30 | 21 15 | 0 16 | 23 4 | 0 26 | 20 6 | 0 7 | 12 4 | 0 44 | 6 18 | 16 32 | 9 28 | 9 52 | 1 50 | 17 41 | 5 51 |
| T 19 | 13 52 | 28 5 | 4 54 | 15 9 | 0 17 | 18 15 | 0n 2 | 21 36 | 1 32 | 21 15 | 0 17 | 23 4 | 0 26 | 20 6 | 0 7 | 12 3 | 0 44 | 6 18 | 16 32 | 9 31 | 9 53 | 1 47 | 17 41 | 5 50 |
| W20 | 14 11 | 27 55 | 4 28 | 15 59 | 0 27 | 18 36 | 0 5 | 21 31 | 1 34 | 21 14 | 0 17 | 23 4 | 0 26 | 20 7 | 0 7 | 12 3 | 0 44 | 6 17 | 16 32 | 9 34 | 9 54 | 1 44 | 17 41 | 5 50 |
| T 21 | 14 29 | 26 12 | 3 48 | 16 49 | 0 38 | 18 57 | 0 7 | 21 25 | 1 36 | 21 14 | 0 17 | 23 5 | 0 26 | 20 8 | 0 7 | 12 3 | 0 44 | 6 17 | 16 32 | 9 35 | 9 55 | 1 40 | 17 42 | 5 50 |
| F 22 | 14 48 | 23 12 | 2 58 | 17 36 | 0 48 | 19 18 | 0 10 | 21 19 | 1 38 | 21 13 | 0 17 | 23 5 | 0 26 | 20 9 | 0 7 | 12 2 | 0 44 | 6 16 | 16 32 | 9 36 | 9 56 | 1 37 | 17 42 | 5 49 |
| S 23 | 15 6 | 19 14 | 2 2 | 18 22 | 0 58 | 19 37 | 0 12 | 21 13 | 1 41 | 21 13 | 0 17 | 23 5 | 0 25 | 20 9 | 0 7 | 12 2 | 0 44 | 6 16 | 16 32 | 9 36 | 9 58 | 1 33 | 17 42 | 5 49 |
| S 24 | 15 24 | 14 34 | 1 1 | 19 6 | 1 8 | 19 57 | 0 15 | 21 7 | 1 43 | 21 13 | 0 17 | 23 5 | 0 25 | 20 10 | 0 7 | 12 2 | 0 44 | 6 16 | 16 32 | 9 36 | 9 59 | 1 30 | 17 43 | 5 49 |
| M25 | 15 42 | 9 25 | 0n 2 | 19 48 | 1 17 | 20 16 | 0 17 | 21 1 | 1 45 | 21 13 | 0 18 | 23 5 | 0 25 | 20 11 | 0 7 | 12 1 | 0 44 | 6 15 | 16 32 | 9 36 | 10 0 | 1 27 | 17 43 | 5 48 |
| T 26 | 15 59 | 3 58 | 1 5 | 20 27 | 1 26 | 20 34 | 0 20 | 20 55 | 1 47 | 21 12 | 0 18 | 23 5 | 0 25 | 20 11 | 0 7 | 12 1 | 0 44 | 6 15 | 16 32 | 9 36 | 10 1 | 1 23 | 17 43 | 5 48 |
| W27 | 16 17 | 1n37 | 2 4 | 21 4 | 1 34 | 20 52 | 0 22 | 20 49 | 1 50 | 21 12 | 0 18 | 23 5 | 0 25 | 20 12 | 0 7 | 12 1 | 0 44 | 6 14 | 16 32 | 9 37 | 10 2 | 1 20 | 17 43 | 5 48 |
| T 28 | 16 34 | 7 10 | 2 59 | 21 39 | 1 42 | 21 9 | 0 25 | 20 43 | 1 52 | 21 12 | 0 18 | 23 5 | 0 25 | 20 13 | 0 7 | 12 0 | 0 44 | 6 14 | 16 33 | 9 39 | 10 3 | 1 16 | 17 44 | 5 48 |
| F 29 | 16 50 | 12 32 | 3 46 | 22 11 | 1 49 | 21 26 | 0 27 | 20 37 | 1 54 | 21 12 | 0 18 | 23 5 | 0 25 | 20 14 | 0 7 | 12 0 | 0 44 | 6 14 | 16 33 | 9 42 | 10 5 | 1 13 | 17 44 | 5 47 |
| S 30 | 17n 7 | 17n30 | 4n23 | 22n40 | 1n55 | 21n42 | 0n30 | 20s30 | 1s57 | 21s12 | 0s18 | 23n 4 | 0s25 | 20n14 | 0s 7 | 12s 0 | 0s44 | 6s13 | 16s33 | 9s46 | 10s 6 | 1s10 | 17n44 | 5s47 |

Julian Day Number = 2216427.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'40, Lahiri = 14°52'40 Julian Calendar 1 Apr. 1356 == Greg. Calendar 9 Apr. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## MAY 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 8 26 | 18♉27'31 | 17♉49 | 4♊39 | 6♊14 | 7♒26 | 26♏42 | 3♋22 | 0♊42 | 0♓35 | 23♈33 | 4°R40 | 3♓54 | 23♓17 | 1♋14 | S 1 |
| M 2 | 15 12 22 | 19°25'14 | 0♊27 | 6°27 | 7°27 | 7°59 | 26°43 | 3°28 | 0°45 | 0°36 | 23°34 | 4♓27 | 3°51 | 23°24 | 1°19 | M 2 |
| T 3 | 15 16 19 | 20°22'56 | 13°17 | 8°13 | 8°41 | 8°32 | 26°44 | 3°35 | 0°49 | 0°37 | 23°35 | 4°15 | 3°48 | 23°30 | 1°24 | T 3 |
| W 4 | 15 20 15 | 21°20'37 | 26°20 | 9°56 | 9°54 | 9° 6 | 26°45 | 3°41 | 0°52 | 0°38 | 23°37 | 4° 4 | 3°44 | 23°37 | 1°29 | W 4 |
| T 5 | 15 24 12 | 22°18'16 | 9♋34 | 11°36 | 11° 7 | 9°39 | 26°45 | 3°48 | 0°56 | 0°38 | 23°38 | 3°56 | 3°41 | 23°44 | 1°34 | T 5 |
| F 6 | 15 28 9 | 23°15'54 | 22°59 | 13°13 | 12°21 | 10°11 | 26°45 | 3°54 | 0°59 | 0°39 | 23°39 | 3°51 | 3°38 | 23°50 | 1°40 | F 6 |
| S 7 | 15 32 5 | 24°13'30 | 6♌36 | 14°46 | 13°34 | 10°44 | 26°R45 | 4° 1 | 1° 3 | 0°40 | 23°40 | 3°48 | 3°35 | 23°57 | 1°45 | S 7 |
| S 8 | 15 36 2 | 25°11'04 | 20°25 | 16°17 | 14°47 | 11°17 | 26°45 | 4° 7 | 1° 6 | 0°40 | 23°42 | 3°47 | 3°32 | 24° 4 | 1°50 | S 8 |
| M 9 | 15 39 58 | 26° 8'38 | 4♍25 | 17°44 | 16° 0 | 11°49 | 26°45 | 4°14 | 1°10 | 0°41 | 23°43 | 3°47 | 3°29 | 24°10 | 1°56 | M 9 |
| T 10 | 15 43 55 | 27° 6'09 | 18°38 | 19° 8 | 17°13 | 12°21 | 26°44 | 4°21 | 1°13 | 0°41 | 23°44 | 3°46 | 3°25 | 24°17 | 2° 1 | T 10 |
| W11 | 15 47 51 | 28° 3'39 | 3♎ 1 | 20°28 | 18°27 | 12°53 | 26°43 | 4°28 | 1°17 | 0°42 | 23°45 | 3°44 | 3°22 | 24°24 | 2° 7 | W11 |
| T 12 | 15 51 48 | 29° 1'08 | 17°32 | 21°45 | 19°40 | 13°24 | 26°43 | 4°34 | 1°20 | 0°42 | 23°46 | 3°40 | 3°19 | 24°30 | 2°12 | T 12 |
| F 13 | 15 55 44 | 29°58'35 | 2♏ 5 | 22°59 | 20°53 | 13°56 | 26°41 | 4°41 | 1°24 | 0°43 | 23°47 | 3°32 | 3°16 | 24°37 | 2°18 | F 13 |
| S 14 | 15 59 41 | 0♊56'02 | 16°36 | 24° 9 | 22° 6 | 14°27 | 26°40 | 4°48 | 1°27 | 0°43 | 23°49 | 3°23 | 3°13 | 24°44 | 2°23 | S 14 |
| S 15 | 16 3 38 | 1°53'27 | 0♐57 | 25°16 | 23°19 | 14°58 | 26°39 | 4°55 | 1°31 | 0°44 | 23°50 | 3°11 | 3°10 | 24°50 | 2°29 | S 15 |
| M16 | 16 7 34 | 2°50'51 | 15° 3 | 26°19 | 24°32 | 15°29 | 26°37 | 5° 2 | 1°34 | 0°44 | 23°51 | 3° 0 | 3° 6 | 24°57 | 2°35 | M16 |
| T 17 | 16 11 31 | 3°48'15 | 28°47 | 27°19 | 25°45 | 15°59 | 26°35 | 5° 9 | 1°38 | 0°44 | 23°52 | 2°49 | 3° 3 | 25° 4 | 2°40 | T 17 |
| W18 | 16 15 27 | 4°45'38 | 12♑ 7 | 28°15 | 26°58 | 16°30 | 26°33 | 5°16 | 1°41 | 0°44 | 23°53 | 2°40 | 3° 0 | 25°10 | 2°46 | W18 |
| T 19 | 16 19 24 | 5°43'00 | 25° 4 | 29° 7 | 28°11 | 17° 0 | 26°31 | 5°24 | 1°45 | 0°45 | 23°54 | 2°34 | 2°57 | 25°17 | 2°52 | T 19 |
| F 20 | 16 23 20 | 6°40'21 | 7♒38 | 29°55 | 29°24 | 17°29 | 26°28 | 5°31 | 1°48 | 0°45 | 23°55 | 2°30 | 2°54 | 25°23 | 2°58 | F 20 |
| S 21 | 16 27 17 | 7°37'41 | 19°54 | 0♋39 | 0♋37 | 17°59 | 26°26 | 5°38 | 1°52 | 0°45 | 23°56 | 2°28 | 2°50 | 25°30 | 3° 4 | S 21 |
| S 22 | 16 31 13 | 8°35'01 | 1♓55 | 1°19 | 1°50 | 18°28 | 26°23 | 5°45 | 1°56 | 0°45 | 23°57 | 2°27 | 2°47 | 25°37 | 3° 9 | S 22 |
| M23 | 16 35 10 | 9°32'21 | 13°47 | 1°55 | 3° 2 | 18°57 | 26°20 | 5°52 | 1°59 | 0°45 | 23°58 | 2°27 | 2°44 | 25°43 | 3°15 | M23 |
| T 24 | 16 39 7 | 10°29'40 | 25°35 | 2°27 | 4°15 | 19°26 | 26°17 | 6° 0 | 2° 3 | 0°45 | 23°59 | 2°27 | 2°41 | 25°50 | 3°21 | T 24 |
| W25 | 16 43 3 | 11°26'58 | 7♈26 | 2°55 | 5°28 | 19°54 | 26°14 | 6° 7 | 2° 6 | 0°45 | 24° 0 | 2°24 | 2°38 | 25°57 | 3°27 | W25 |
| T 26 | 16 47 0 | 12°24'16 | 19°23 | 3°18 | 6°41 | 20°22 | 26°10 | 6°14 | 2°10 | 0°R45 | 24° 1 | 2°20 | 2°35 | 26° 3 | 3°33 | T 26 |
| F 27 | 16 50 56 | 13°21'34 | 1♉31 | 3°37 | 7°54 | 20°50 | 26° 6 | 6°22 | 2°13 | 0°45 | 24° 2 | 2°12 | 2°31 | 26°10 | 3°39 | F 27 |
| S 28 | 16 54 53 | 14°18'51 | 13°53 | 3°51 | 9° 6 | 21°17 | 26° 3 | 6°29 | 2°16 | 0°45 | 24° 3 | 2° 3 | 2°28 | 26°17 | 3°45 | S 28 |
| S 29 | 16 58 49 | 15°16'08 | 26°30 | 4° 0 | 10°19 | 21°44 | 25°59 | 6°37 | 2°20 | 0°45 | 24° 4 | 1°51 | 2°25 | 26°23 | 3°51 | S 29 |
| M30 | 17 2 46 | 16°13'24 | 9♊25 | 4° 5 | 11°32 | 22°11 | 25°54 | 6°44 | 2°23 | 0°45 | 24° 5 | 1°39 | 2°22 | 26°30 | 3°57 | M30 |
| T 31 | 17 6 42 | 17♊10'40 | 22♊35 | 4°R 6 | 12♋44 | 22♒37 | 25♏50 | 6♋52 | 2♊27 | 0♓45 | 24♈ 6 | 1♓27 | 2♓19 | 26♓37 | 4♋ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n23 | 21n49 | 4n48 | 23n 7 | 2n 1 | 21n57 | 0n32 | 20s24 | 1s59 | 21s12 | 0s19 | 23n 4 | 0s24 | 20n15 | 0s 7 | 12s 0 | 0s44 | 6s13 | 16s33 | 9s50 | 10s 7 | 1s 6 | 17n44 | 5s47 |
| M 2 | 17 39 | 25 12 | 5 0 | 23 32 | 2 6 | 22 12 | 0 35 | 20 18 | 2 2 | 21 12 | 0 19 | 23 4 | 0 24 | 20 16 | 0 7 | 11 59 | 0 44 | 6 13 | 16 33 | 9 55 | 10 8 | 1 3 | 17 45 | 5 46 |
| T 3 | 17 54 | 27 24 | 4 57 | 23 53 | 2 10 | 22 26 | 0 37 | 20 11 | 2 4 | 21 12 | 0 19 | 23 4 | 0 24 | 20 17 | 0 7 | 11 59 | 0 44 | 6 12 | 16 33 | 9 59 | 10 9 | 0 59 | 17 45 | 5 46 |
| W 4 | 18 10 | 28 7 | 4 39 | 24 13 | 2 13 | 22 40 | 0 40 | 20 5 | 2 7 | 21 12 | 0 19 | 23 4 | 0 24 | 20 17 | 0 7 | 11 59 | 0 44 | 6 12 | 16 33 | 10 3 | 10 10 | 0 56 | 17 45 | 5 46 |
| T 5 | 18 25 | 27 16 | 4 5 | 24 30 | 2 16 | 22 53 | 0 42 | 19 58 | 2 9 | 21 12 | 0 19 | 23 4 | 0 24 | 20 18 | 0 7 | 11 59 | 0 44 | 6 12 | 16 33 | 10 6 | 10 11 | 0 53 | 17 45 | 5 46 |
| F 6 | 18 39 | 24 49 | 3 18 | 24 44 | 2 17 | 23 5 | 0 44 | 19 52 | 2 12 | 21 12 | 0 20 | 23 4 | 0 24 | 20 19 | 0 7 | 11 59 | 0 45 | 6 11 | 16 34 | 10 8 | 10 13 | 0 49 | 17 45 | 5 45 |
| S 7 | 18 54 | 20 55 | 2 19 | 24 56 | 2 18 | 23 17 | 0 47 | 19 45 | 2 14 | 21 12 | 0 20 | 23 4 | 0 24 | 20 19 | 0 7 | 11 58 | 0 45 | 6 11 | 16 34 | 10 9 | 10 14 | 0 46 | 17 46 | 5 45 |
| S 8 | 19 8 | 15 51 | 1 10 | 25 7 | 2 18 | 23 28 | 0 49 | 19 39 | 2 17 | 21 12 | 0 20 | 23 4 | 0 24 | 20 20 | 0 7 | 11 58 | 0 45 | 6 11 | 16 34 | 10 9 | 10 15 | 0 42 | 17 46 | 5 45 |
| M 9 | 19 21 | 9 52 | 0s 3 | 25 14 | 2 18 | 23 38 | 0 51 | 19 32 | 2 19 | 21 13 | 0 20 | 23 4 | 0 24 | 20 21 | 0 7 | 11 58 | 0 45 | 6 11 | 16 34 | 10 9 | 10 16 | 0 39 | 17 46 | 5 45 |
| T 10 | 19 35 | 3 19 | 1 18 | 25 20 | 2 16 | 23 48 | 0 54 | 19 26 | 2 22 | 21 13 | 0 20 | 23 4 | 0 23 | 20 22 | 0 7 | 11 58 | 0 45 | 6 10 | 16 34 | 10 10 | 10 17 | 0 36 | 17 46 | 5 45 |
| W11 | 19 48 | 3s28 | 2 28 | 25 24 | 2 14 | 23 57 | 0 56 | 19 19 | 2 25 | 21 13 | 0 21 | 23 4 | 0 23 | 20 22 | 0 7 | 11 58 | 0 45 | 6 10 | 16 34 | 10 10 | 10 18 | 0 32 | 17 46 | 5 44 |
| T 12 | 20 1 | 10 7 | 3 29 | 25 26 | 2 10 | 24 5 | 0 58 | 19 13 | 2 28 | 21 14 | 0 21 | 23 4 | 0 23 | 20 23 | 0 7 | 11 58 | 0 45 | 6 10 | 16 35 | 10 12 | 10 20 | 0 29 | 17 46 | 5 44 |
| F 13 | 20 13 | 16 15 | 4 17 | 25 27 | 2 6 | 24 13 | 1 0 | 19 6 | 2 30 | 21 14 | 0 21 | 23 3 | 0 23 | 20 24 | 0 7 | 11 57 | 0 45 | 6 10 | 16 35 | 10 15 | 10 21 | 0 25 | 17 46 | 5 44 |
| S 14 | 20 25 | 21 27 | 4 48 | 25 25 | 2 2 | 24 20 | 1 2 | 19 0 | 2 33 | 21 15 | 0 21 | 23 3 | 0 23 | 20 25 | 0 7 | 11 57 | 0 45 | 6 9 | 16 35 | 10 18 | 10 22 | 0 22 | 17 46 | 5 44 |
| S 15 | 20 37 | 25 19 | 5 0 | 25 22 | 1 56 | 24 26 | 1 4 | 18 53 | 2 36 | 21 15 | 0 21 | 23 3 | 0 23 | 20 25 | 0 7 | 11 57 | 0 45 | 6 9 | 16 35 | 10 22 | 10 23 | 0 19 | 17 47 | 5 44 |
| M16 | 20 48 | 27 33 | 4 54 | 25 18 | 1 49 | 24 31 | 1 7 | 18 47 | 2 39 | 21 16 | 0 22 | 23 3 | 0 23 | 20 26 | 0 7 | 11 57 | 0 45 | 6 9 | 16 35 | 10 26 | 10 24 | 0 15 | 17 47 | 5 43 |
| T 17 | 20 59 | 28 2 | 4 31 | 25 12 | 1 42 | 24 36 | 1 9 | 18 40 | 2 41 | 21 16 | 0 22 | 23 3 | 0 23 | 20 27 | 0 7 | 11 57 | 0 45 | 6 9 | 16 36 | 10 30 | 10 25 | 0 12 | 17 47 | 5 43 |
| W18 | 21 10 | 26 50 | 3 53 | 25 5 | 1 34 | 24 40 | 1 11 | 18 34 | 2 44 | 21 17 | 0 22 | 23 3 | 0 23 | 20 27 | 0 7 | 11 57 | 0 45 | 6 9 | 16 36 | 10 34 | 10 26 | 0 8 | 17 47 | 5 43 |
| T 19 | 21 20 | 24 13 | 3 4 | 24 56 | 1 25 | 24 43 | 1 13 | 18 27 | 2 47 | 21 17 | 0 22 | 23 2 | 0 22 | 20 28 | 0 7 | 11 57 | 0 45 | 6 8 | 16 36 | 10 36 | 10 28 | 0 5 | 17 47 | 5 43 |
| F 20 | 21 30 | 20 29 | 2 7 | 24 47 | 1 15 | 24 46 | 1 14 | 18 21 | 2 50 | 21 18 | 0 22 | 23 2 | 0 22 | 20 29 | 0 7 | 11 57 | 0 45 | 6 8 | 16 36 | 10 37 | 10 29 | 0 2 | 17 47 | 5 43 |
| S 21 | 21 40 | 15 57 | 1 6 | 24 36 | 1 5 | 24 48 | 1 16 | 18 14 | 2 53 | 21 19 | 0 23 | 23 2 | 0 22 | 20 30 | 0 7 | 11 57 | 0 45 | 6 8 | 16 36 | 10 38 | 10 30 | 0n 2 | 17 47 | 5 43 |
| S 22 | 21 49 | 10 53 | 0 3 | 24 25 | 0 54 | 24 49 | 1 18 | 18 8 | 2 56 | 21 19 | 0 23 | 23 2 | 0 22 | 20 30 | 0 7 | 11 57 | 0 45 | 6 8 | 16 37 | 10 38 | 10 31 | 0 5 | 17 47 | 5 43 |
| M23 | 21 58 | 5 29 | 1n 0 | 24 13 | 0 42 | 24 49 | 1 20 | 18 2 | 2 59 | 21 20 | 0 23 | 23 2 | 0 22 | 20 31 | 0 7 | 11 57 | 0 45 | 6 8 | 16 37 | 10 38 | 10 32 | 0 9 | 17 47 | 5 42 |
| T 24 | 22 6 | 0n 4 | 1 59 | 23 59 | 0 29 | 24 49 | 1 22 | 17 56 | 3 2 | 21 21 | 0 23 | 23 1 | 0 22 | 20 32 | 0 7 | 11 57 | 0 45 | 6 8 | 16 37 | 10 38 | 10 33 | 0 12 | 17 47 | 5 42 |
| W25 | 22 14 | 5 37 | 2 54 | 23 45 | 0 16 | 24 48 | 1 23 | 17 49 | 3 5 | 21 22 | 0 23 | 23 1 | 0 22 | 20 32 | 0 7 | 11 57 | 0 45 | 6 7 | 16 37 | 10 39 | 10 34 | 0 15 | 17 47 | 5 42 |
| T 26 | 22 22 | 11 1 | 3 41 | 23 31 | 0 2 | 24 46 | 1 25 | 17 43 | 3 8 | 21 23 | 0 23 | 23 1 | 0 22 | 20 33 | 0 7 | 11 57 | 0 45 | 6 7 | 16 38 | 10 41 | 10 36 | 0 19 | 17 47 | 5 42 |
| F 27 | 22 29 | 16 6 | 4 20 | 23 16 | 0s13 | 24 44 | 1 26 | 17 37 | 3 11 | 21 23 | 0 24 | 23 1 | 0 22 | 20 34 | 0 7 | 11 57 | 0 45 | 6 7 | 16 38 | 10 44 | 10 37 | 0 22 | 17 47 | 5 42 |
| S 28 | 22 36 | 20 37 | 4 46 | 23 1 | 0 28 | 24 40 | 1 28 | 17 31 | 3 15 | 21 24 | 0 24 | 23 0 | 0 22 | 20 35 | 0 7 | 11 57 | 0 45 | 6 7 | 16 38 | 10 47 | 10 38 | 0 26 | 17 47 | 5 42 |
| S 29 | 22 42 | 24 18 | 5 0 | 22 45 | 0 43 | 24 36 | 1 29 | 17 26 | 3 18 | 21 25 | 0 24 | 23 0 | 0 21 | 20 35 | 0 7 | 11 57 | 0 45 | 6 7 | 16 38 | 10 51 | 10 39 | 0 29 | 17 47 | 5 42 |
| M30 | 22 49 | 26 51 | 4 58 | 22 29 | 0 59 | 24 32 | 1 31 | 17 20 | 3 21 | 21 26 | 0 24 | 23 0 | 0 21 | 20 36 | 0 7 | 11 57 | 0 45 | 6 7 | 16 39 | 10 56 | 10 40 | 0 32 | 17 46 | 5 42 |
| T 31 | 22n54 | 28n 0 | 4n41 | 22n12 | 1s15 | 24n26 | 1n32 | 17s14 | 3s24 | 21s27 | 0s24 | 23n 0 | 0s21 | 20n37 | 0s 7 | 11s57 | 0s45 | 6s 7 | 16s39 | 11s 0 | 10s41 | 0n36 | 17n46 | 5s42 |

Julian Day Number = 2216457.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'44, Lahiri = 14°52'44 Julian Calendar 1 May 1356 == Greg. Calendar 9 May 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## JUNE 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 10 39 | 18♊ 7'56 | 6♋ 0 | 4°R 2 | 13♋57 | 23♒ 3 | 25°R46 | 6♋59 | 2♊30 | 0°R45 | 24♈ 7 | 1°R17 | 2♓16 | 26♓43 | 4♋10 | W 1 |
| T 2 | 17 14 36 | 19° 5'11 | 19°37 | 3♋53 | 15°10 | 23°29 | 25♑41 | 7° 7 | 2°34 | 0♓45 | 24° 8 | 1♓ 9 | 2°12 | 26°50 | 4°16 | T 2 |
| F 3 | 17 18 32 | 20° 2'25 | 3♌23 | 3°41 | 16°22 | 23°54 | 25°36 | 7°14 | 2°37 | 0°44 | 24° 9 | 1° 4 | 2° 9 | 26°57 | 4°22 | F 3 |
| S 4 | 17 22 29 | 20°59'38 | 17°17 | 3°24 | 17°35 | 24°19 | 25°31 | 7°22 | 2°41 | 0°44 | 24°10 | 1° 1 | 2° 6 | 27° 3 | 4°28 | S 4 |
| S 5 | 17 26 25 | 21°56'51 | 1♍17 | 3° 3 | 18°47 | 24°43 | 25°26 | 7°30 | 2°44 | 0°44 | 24°10 | 1°D 0 | 2° 3 | 27°10 | 4°34 | S 5 |
| M 6 | 17 30 22 | 22°54'04 | 15°21 | 2°39 | 20° 0 | 25° 7 | 25°21 | 7°37 | 2°47 | 0°43 | 24°11 | 1° 1 | 2° 0 | 27°17 | 4°40 | M 6 |
| T 7 | 17 34 18 | 23°51'15 | 29°29 | 2°12 | 21°12 | 25°31 | 25°15 | 7°45 | 2°51 | 0°43 | 24°12 | 1°R 1 | 1°56 | 27°23 | 4°47 | T 7 |
| W 8 | 17 38 15 | 24°48'26 | 13♎40 | 1°42 | 22°24 | 25°54 | 25°10 | 7°53 | 2°54 | 0°43 | 24°13 | 0°59 | 1°53 | 27°30 | 4°53 | W 8 |
| T 9 | 17 42 12 | 25°45'37 | 27°52 | 1° 9 | 23°37 | 26°17 | 25° 4 | 8° 0 | 2°57 | 0°42 | 24°14 | 0°56 | 1°50 | 27°37 | 4°59 | T 9 |
| F 10 | 17 46 8 | 26°42'47 | 12♏ 2 | 0°35 | 24°49 | 26°39 | 24°58 | 8° 8 | 3° 1 | 0°42 | 24°14 | 0°50 | 1°47 | 27°43 | 5° 5 | F 10 |
| S 11 | 17 50 5 | 27°39'57 | 26° 7 | 29♊59 | 26° 1 | 27° 1 | 24°52 | 8°16 | 3° 4 | 0°41 | 24°15 | 0°42 | 1°44 | 27°50 | 5°12 | S 11 |
| S 12 | 17 54 1 | 28°37'06 | 10♐ 2 | 29°24 | 27°14 | 27°22 | 24°46 | 8°24 | 3° 7 | 0°41 | 24°16 | 0°32 | 1°41 | 27°57 | 5°18 | S 12 |
| M13 | 17 57 58 | 29°34'15 | 23°45 | 28°48 | 28°26 | 27°43 | 24°40 | 8°31 | 3°10 | 0°40 | 24°16 | 0°22 | 1°37 | 28° 3 | 5°24 | M13 |
| T 14 | 18 1 54 | 0♋31'25 | 7♑11 | 28°12 | 29°38 | 28° 4 | 24°33 | 8°39 | 3°14 | 0°39 | 24°17 | 0°13 | 1°34 | 28°10 | 5°31 | T 14 |
| W15 | 18 5 51 | 1°28'34 | 20°18 | 27°38 | 0♌50 | 28°24 | 24°27 | 8°47 | 3°17 | 0°39 | 24°18 | 0° 6 | 1°31 | 28°17 | 5°37 | W15 |
| T 16 | 18 9 47 | 2°25'43 | 3♒ 5 | 27° 6 | 2° 2 | 28°43 | 24°20 | 8°55 | 3°20 | 0°38 | 24°18 | 0° 0 | 1°28 | 28°23 | 5°43 | T 16 |
| F 17 | 18 13 44 | 3°22'52 | 15°34 | 26°36 | 3°14 | 29° 2 | 24°14 | 9° 2 | 3°23 | 0°37 | 24°19 | 29♒57 | 1°25 | 28°30 | 5°50 | F 17 |
| S 18 | 18 17 41 | 4°20'02 | 27°48 | 26° 9 | 4°26 | 29°20 | 24° 7 | 9°10 | 3°26 | 0°37 | 24°20 | 29°D56 | 1°22 | 28°37 | 5°56 | S 18 |
| S 19 | 18 21 37 | 5°17'12 | 9♓48 | 25°45 | 5°38 | 29°38 | 24° 0 | 9°18 | 3°30 | 0°36 | 24°20 | 29°56 | 1°18 | 28°43 | 6° 2 | S 19 |
| M20 | 18 25 34 | 6°14'22 | 21°41 | 25°25 | 6°50 | 29°55 | 23°53 | 9°26 | 3°33 | 0°35 | 24°21 | 29°57 | 1°15 | 28°50 | 6° 9 | M20 |
| T 21 | 18 29 30 | 7°11'32 | 3♈30 | 25°10 | 8° 2 | 0♓12 | 23°46 | 9°34 | 3°36 | 0°34 | 24°21 | 29°R58 | 1°12 | 28°57 | 6°15 | T 21 |
| W22 | 18 33 27 | 8° 8'43 | 15°22 | 24°59 | 9°14 | 0°28 | 23°39 | 9°41 | 3°39 | 0°34 | 24°22 | 29°58 | 1° 9 | 29° 3 | 6°21 | W22 |
| T 23 | 18 37 23 | 9° 5'55 | 27°21 | 24°52 | 10°26 | 0°43 | 23°32 | 9°49 | 3°42 | 0°33 | 24°22 | 29°56 | 1° 6 | 29°10 | 6°28 | T 23 |
| F 24 | 18 41 20 | 10° 3'07 | 9♉32 | 24°D51 | 11°38 | 0°58 | 23°24 | 9°57 | 3°45 | 0°32 | 24°23 | 29°52 | 1° 2 | 29°17 | 6°34 | F 24 |
| S 25 | 18 45 16 | 11° 0'20 | 21°59 | 24°55 | 12°50 | 1°12 | 23°17 | 10° 5 | 3°48 | 0°31 | 24°23 | 29°46 | 0°59 | 29°23 | 6°40 | S 25 |
| S 26 | 18 49 13 | 11°57'33 | 4♊46 | 25° 4 | 14° 1 | 1°25 | 23°10 | 10°13 | 3°51 | 0°30 | 24°24 | 29°39 | 0°56 | 29°30 | 6°47 | S 26 |
| M27 | 18 53 10 | 12°54'46 | 17°52 | 25°19 | 15°13 | 1°38 | 23° 2 | 10°21 | 3°54 | 0°29 | 24°24 | 29°32 | 0°53 | 29°37 | 6°53 | M27 |
| T 28 | 18 57 6 | 13°52'01 | 1♋19 | 25°39 | 16°25 | 1°50 | 22°54 | 10°28 | 3°57 | 0°28 | 24°24 | 29°24 | 0°50 | 29°43 | 6°59 | T 28 |
| W29 | 19 1 3 | 14°49'15 | 15° 4 | 26° 5 | 17°36 | 2° 2 | 22°47 | 10°36 | 4° 0 | 0°27 | 24°25 | 29°17 | 0°47 | 29°50 | 7° 6 | W29 |
| T 30 | 19 4 59 | 15♋46'31 | 29♋ 5 | 26♊36 | 18♌48 | 2♓12 | 22♑39 | 10♋44 | 4♊ 2 | 0♓26 | 24♈25 | 29♒12 | 0♓43 | 29♓57 | 7♋12 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 23n 0 | 27n31 | 4n 8 | 21n56 | 1s32 | 24n20 | 1n33 | 17s 9 | 3s27 | 21s28 | 0s25 | 22n59 | 0s21 | 20n37 | 0s 7 | 11s57 | 0s45 | 6s 7 | 16s39 | 11s 3 | 10s42 | 0n39 | 17n46 | 5s41 |
| T 2 | 23 4 | 25 24 | 3 21 | 21 40 | 1 48 | 24 14 | 1 35 | 17 3 | 3 31 | 21 29 | 0 25 | 22 59 | 0 21 | 20 38 | 0 7 | 11 57 | 0 45 | 6 7 | 16 39 | 11 6 | 10 44 | 0 42 | 17 46 | 5 41 |
| F 3 | 23 9 | 21 45 | 2 21 | 21 24 | 2 5 | 24 6 | 1 36 | 16 58 | 3 34 | 21 30 | 0 25 | 22 59 | 0 21 | 20 39 | 0 7 | 11 58 | 0 46 | 6 7 | 16 40 | 11 8 | 10 45 | 0 46 | 17 46 | 5 41 |
| S 4 | 23 13 | 16 51 | 1 12 | 21 8 | 2 21 | 23 58 | 1 37 | 16 53 | 3 37 | 21 32 | 0 25 | 22 58 | 0 21 | 20 39 | 0 7 | 11 58 | 0 46 | 6 7 | 16 40 | 11 9 | 10 46 | 0 49 | 17 46 | 5 41 |
| S 5 | 23 17 | 11 2 | 0s 1 | 20 52 | 2 38 | 23 49 | 1 38 | 16 48 | 3 41 | 21 33 | 0 25 | 22 58 | 0 21 | 20 40 | 0 7 | 11 58 | 0 46 | 6 7 | 16 40 | 11 9 | 10 47 | 0 53 | 17 46 | 5 41 |
| M 6 | 23 20 | 4 38 | 1 16 | 20 37 | 2 53 | 23 39 | 1 39 | 16 43 | 3 44 | 21 34 | 0 26 | 22 58 | 0 21 | 20 41 | 0 7 | 11 58 | 0 46 | 6 6 | 16 40 | 11 9 | 10 48 | 0 56 | 17 46 | 5 41 |
| T 7 | 23 23 | 2s 1 | 2 25 | 20 22 | 3 9 | 23 29 | 1 40 | 16 38 | 3 48 | 21 35 | 0 26 | 22 57 | 0 21 | 20 41 | 0 7 | 11 58 | 0 46 | 6 6 | 16 41 | 11 9 | 10 49 | 0 59 | 17 45 | 5 41 |
| W 8 | 23 25 | 8 35 | 3 27 | 20 8 | 3 23 | 23 18 | 1 40 | 16 33 | 3 51 | 21 36 | 0 26 | 22 57 | 0 20 | 20 42 | 0 7 | 11 58 | 0 46 | 6 6 | 16 41 | 11 10 | 10 50 | 1 3 | 17 45 | 5 41 |
| T 9 | 23 27 | 14 43 | 4 15 | 19 54 | 3 37 | 23 7 | 1 41 | 16 28 | 3 55 | 21 38 | 0 26 | 22 57 | 0 20 | 20 43 | 0 7 | 11 59 | 0 46 | 6 6 | 16 41 | 11 11 | 10 52 | 1 6 | 17 45 | 5 41 |
| F 10 | 23 29 | 20 3 | 4 48 | 19 42 | 3 50 | 22 55 | 1 42 | 16 24 | 3 58 | 21 39 | 0 26 | 22 56 | 0 20 | 20 43 | 0 7 | 11 59 | 0 46 | 6 6 | 16 42 | 11 13 | 10 53 | 1 10 | 17 45 | 5 41 |
| S 11 | 23 30 | 24 15 | 5 3 | 19 30 | 4 1 | 22 42 | 1 42 | 16 20 | 4 2 | 21 40 | 0 27 | 22 56 | 0 20 | 20 44 | 0 7 | 11 59 | 0 46 | 6 6 | 16 42 | 11 16 | 10 54 | 1 13 | 17 44 | 5 41 |
| S 12 | 23 31 | 26 58 | 5 0 | 19 20 | 4 11 | 22 28 | 1 43 | 16 16 | 4 5 | 21 41 | 0 27 | 22 55 | 0 20 | 20 45 | 0 7 | 11 59 | 0 46 | 6 7 | 16 42 | 11 19 | 10 55 | 1 16 | 17 44 | 5 41 |
| M13 | 23 31 | 28 1 | 4 39 | 19 11 | 4 20 | 22 14 | 1 43 | 16 12 | 4 9 | 21 43 | 0 27 | 22 55 | 0 20 | 20 45 | 0 7 | 11 59 | 0 46 | 6 7 | 16 42 | 11 23 | 10 56 | 1 20 | 17 44 | 5 41 |
| T 14 | 23 31 | 27 23 | 4 3 | 19 3 | 4 28 | 21 59 | 1 44 | 16 8 | 4 12 | 21 44 | 0 27 | 22 55 | 0 20 | 20 46 | 0 7 | 12 0 | 0 46 | 6 7 | 16 43 | 11 26 | 10 57 | 1 23 | 17 44 | 5 41 |
| W15 | 23 31 | 25 12 | 3 16 | 18 56 | 4 34 | 21 44 | 1 44 | 16 4 | 4 16 | 21 45 | 0 27 | 22 54 | 0 20 | 20 46 | 0 7 | 12 0 | 0 46 | 6 7 | 16 43 | 11 29 | 10 58 | 1 26 | 17 43 | 5 41 |
| T 16 | 23 30 | 21 47 | 2 19 | 18 51 | 4 38 | 21 28 | 1 44 | 16 1 | 4 20 | 21 47 | 0 27 | 22 54 | 0 20 | 20 47 | 0 7 | 12 0 | 0 46 | 6 7 | 16 43 | 11 31 | 11 0 | 1 30 | 17 43 | 5 41 |
| F 17 | 23 29 | 17 26 | 1 16 | 18 48 | 4 41 | 21 11 | 1 44 | 15 57 | 4 23 | 21 48 | 0 28 | 22 53 | 0 20 | 20 48 | 0 7 | 12 0 | 0 46 | 6 7 | 16 44 | 11 32 | 11 1 | 1 33 | 17 43 | 5 41 |
| S 18 | 23 27 | 12 28 | 0 11 | 18 46 | 4 43 | 20 54 | 1 44 | 15 54 | 4 27 | 21 49 | 0 28 | 22 53 | 0 19 | 20 48 | 0 7 | 12 1 | 0 46 | 6 7 | 16 44 | 11 32 | 11 2 | 1 37 | 17 43 | 5 41 |
| S 19 | 23 25 | 7 6 | 0n53 | 18 45 | 4 42 | 20 37 | 1 44 | 15 51 | 4 30 | 21 51 | 0 28 | 22 52 | 0 19 | 20 49 | 0 7 | 12 1 | 0 46 | 6 7 | 16 44 | 11 32 | 11 3 | 1 40 | 17 42 | 5 41 |
| M20 | 23 23 | 1 34 | 1 54 | 18 46 | 4 41 | 20 18 | 1 44 | 15 49 | 4 34 | 21 52 | 0 28 | 22 52 | 0 19 | 20 50 | 0 7 | 12 1 | 0 46 | 6 7 | 16 45 | 11 32 | 11 4 | 1 43 | 17 42 | 5 41 |
| T 21 | 23 20 | 4n 0 | 2 51 | 18 49 | 4 38 | 20 0 | 1 44 | 15 46 | 4 38 | 21 53 | 0 28 | 22 52 | 0 19 | 20 50 | 0 7 | 12 2 | 0 46 | 6 7 | 16 45 | 11 31 | 11 5 | 1 47 | 17 42 | 5 41 |
| W22 | 23 16 | 9 27 | 3 40 | 18 53 | 4 33 | 19 40 | 1 44 | 15 44 | 4 42 | 21 55 | 0 29 | 22 51 | 0 19 | 20 51 | 0 7 | 12 2 | 0 46 | 6 7 | 16 45 | 11 32 | 11 6 | 1 50 | 17 41 | 5 42 |
| T 23 | 23 13 | 14 36 | 4 20 | 18 58 | 4 27 | 19 21 | 1 43 | 15 42 | 4 45 | 21 56 | 0 29 | 22 51 | 0 19 | 20 51 | 0 7 | 12 2 | 0 46 | 6 7 | 16 46 | 11 32 | 11 7 | 1 53 | 17 41 | 5 42 |
| F 24 | 23 9 | 19 17 | 4 49 | 19 5 | 4 20 | 19 0 | 1 43 | 15 40 | 4 49 | 21 58 | 0 29 | 22 50 | 0 19 | 20 52 | 0 7 | 12 3 | 0 46 | 6 8 | 16 46 | 11 34 | 11 9 | 1 57 | 17 40 | 5 42 |
| S 25 | 23 4 | 23 14 | 5 5 | 19 13 | 4 12 | 18 39 | 1 42 | 15 38 | 4 53 | 21 59 | 0 29 | 22 50 | 0 19 | 20 52 | 0 7 | 12 3 | 0 46 | 6 8 | 16 46 | 11 36 | 11 10 | 2 0 | 17 40 | 5 42 |
| S 26 | 22 59 | 26 11 | 5 6 | 19 23 | 4 3 | 18 18 | 1 42 | 15 37 | 4 57 | 22 1 | 0 29 | 22 49 | 0 19 | 20 53 | 0 7 | 12 3 | 0 46 | 6 8 | 16 46 | 11 38 | 11 11 | 2 4 | 17 40 | 5 42 |
| M27 | 22 54 | 27 49 | 4 52 | 19 33 | 3 53 | 17 56 | 1 41 | 15 36 | 5 0 | 22 2 | 0 29 | 22 49 | 0 19 | 20 54 | 0 7 | 12 4 | 0 46 | 6 8 | 16 47 | 11 41 | 11 12 | 2 7 | 17 39 | 5 42 |
| T 28 | 22 48 | 27 53 | 4 22 | 19 45 | 3 42 | 17 34 | 1 40 | 15 35 | 5 4 | 22 3 | 0 30 | 22 48 | 0 19 | 20 54 | 0 7 | 12 4 | 0 46 | 6 8 | 16 47 | 11 43 | 11 13 | 2 10 | 17 39 | 5 42 |
| W29 | 22 42 | 26 14 | 3 36 | 19 57 | 3 31 | 17 11 | 1 39 | 15 34 | 5 8 | 22 5 | 0 30 | 22 48 | 0 19 | 20 55 | 0 7 | 12 4 | 0 46 | 6 8 | 16 47 | 11 46 | 11 14 | 2 14 | 17 38 | 5 42 |
| T 30 | 22n35 | 22n57 | 2n35 | 20n10 | 3s19 | 16n48 | 1n38 | 15s34 | 5s12 | 22s 6 | 0s30 | 22n47 | 0s18 | 20n55 | 0s 7 | 12s 5 | 0s46 | 6s 8 | 16s48 | 11s47 | 11s15 | 2n17 | 17n38 | 5s42 |

Julian Day Number = 2216488.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'48, Lahiri = 14°52'48 Julian Calendar 1 June 1356 == Greg. Calendar 9 June 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## JULY 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 8 56 | 16♋43'46 | 13♌17 | 27♊13 | 19♌59 | 2♓22 | 22°R32 | 10♋52 | 4♊ 5 | 0°R25 | 24♈26 | 29°R 9 | 0♓40 | 0♈ 3 | 7♋18 | F 1 |
| S 2 | 19 12 52 | 17°41'02 | 27°35 | 27°55 | 21°11 | 2°32 | 22♑24 | 11° 0 | 4° 8 | 0♓24 | 24°26 | 29°D 8 | 0°37 | 0°10 | 7°24 | S 2 |
| S 3 | 19 16 49 | 18°38'18 | 11♍55 | 28°42 | 22°22 | 2°40 | 22°16 | 11° 7 | 4°11 | 0°23 | 24°26 | 29♒ 9 | 0°34 | 0°17 | 7°31 | S 3 |
| M 4 | 19 20 45 | 19°35'34 | 26°15 | 29°35 | 23°34 | 2°48 | 22° 8 | 11°15 | 4°14 | 0°22 | 24°26 | 29°10 | 0°31 | 0°23 | 7°37 | M 4 |
| T 5 | 19 24 42 | 20°32'51 | 10♎30 | 0♋33 | 24°45 | 2°55 | 22° 1 | 11°23 | 4°16 | 0°21 | 24°27 | 29°11 | 0°28 | 0°30 | 7°43 | T 5 |
| W 6 | 19 28 39 | 21°30'08 | 24°39 | 1°36 | 25°56 | 3° 1 | 21°53 | 11°31 | 4°19 | 0°19 | 24°27 | 29°R12 | 0°24 | 0°37 | 7°50 | W 6 |
| T 7 | 19 32 35 | 22°27'26 | 8♏40 | 2°44 | 27° 7 | 3° 7 | 21°45 | 11°38 | 4°21 | 0°18 | 24°27 | 29°10 | 0°21 | 0°43 | 7°56 | T 7 |
| F 8 | 19 36 32 | 23°24'43 | 22°33 | 3°57 | 28°19 | 3°12 | 21°37 | 11°46 | 4°24 | 0°17 | 24°27 | 29° 8 | 0°18 | 0°50 | 8° 2 | F 8 |
| S 9 | 19 40 28 | 24°22'02 | 6♐15 | 5°16 | 29°30 | 3°15 | 21°30 | 11°54 | 4°27 | 0°16 | 24°27 | 29° 4 | 0°15 | 0°57 | 8° 8 | S 9 |
| S 10 | 19 44 25 | 25°19'21 | 19°45 | 6°39 | 0♍41 | 3°19 | 21°22 | 12° 1 | 4°29 | 0°15 | 24°28 | 28°59 | 0°12 | 1° 3 | 8°14 | S 10 |
| M11 | 19 48 21 | 26°16'40 | 3♑ 2 | 8° 6 | 1°52 | 3°21 | 21°14 | 12° 9 | 4°32 | 0°13 | 24°28 | 28°54 | 0° 8 | 1°10 | 8°21 | M11 |
| T 12 | 19 52 18 | 27°14'01 | 16° 5 | 9°38 | 3° 3 | 3°23 | 21° 6 | 12°17 | 4°34 | 0°12 | 24°28 | 28°49 | 0° 5 | 1°17 | 8°27 | T 12 |
| W13 | 19 56 15 | 28°11'22 | 28°53 | 11°14 | 4°14 | 3°24 | 20°59 | 12°24 | 4°37 | 0°11 | 24°28 | 28°45 | 0° 2 | 1°23 | 8°33 | W13 |
| T 14 | 20 0 11 | 29° 8'44 | 11♒26 | 12°55 | 5°24 | 3°R24 | 20°51 | 12°32 | 4°39 | 0° 9 | 24°28 | 28°42 | 29♒59 | 1°30 | 8°39 | T 14 |
| F 15 | 20 4 8 | 0♌ 6'06 | 23°45 | 14°39 | 6°35 | 3°23 | 20°44 | 12°40 | 4°41 | 0° 8 | 24°28 | 28°D41 | 29°56 | 1°37 | 8°45 | F 15 |
| S 16 | 20 8 4 | 1° 3'30 | 5♓52 | 16°26 | 7°46 | 3°21 | 20°36 | 12°47 | 4°44 | 0° 7 | 24°28 | 28°41 | 29°53 | 1°43 | 8°51 | S 16 |
| S 17 | 20 12 1 | 2° 0'55 | 17°50 | 18°17 | 8°56 | 3°19 | 20°29 | 12°55 | 4°46 | 0° 5 | 24°R28 | 28°42 | 29°49 | 1°50 | 8°57 | S 17 |
| M18 | 20 15 57 | 2°58'21 | 29°41 | 20°10 | 10° 7 | 3°16 | 20°21 | 13° 2 | 4°48 | 0° 4 | 24°28 | 28°44 | 29°46 | 1°57 | 9° 3 | M18 |
| T 19 | 20 19 54 | 3°55'48 | 11♈30 | 22° 6 | 11°18 | 3°12 | 20°14 | 13°10 | 4°50 | 0° 2 | 24°28 | 28°45 | 29°43 | 2° 3 | 9° 9 | T 19 |
| W20 | 20 23 50 | 4°53'17 | 23°22 | 24° 4 | 12°28 | 3° 7 | 20° 6 | 13°17 | 4°52 | 0° 1 | 24°28 | 28°47 | 29°40 | 2°10 | 9°15 | W20 |
| T 21 | 20 27 47 | 5°50'47 | 5♉21 | 26° 3 | 13°38 | 3° 2 | 19°59 | 13°25 | 4°55 | 29♒59 | 24°28 | 28°R47 | 29°37 | 2°17 | 9°21 | T 21 |
| F 22 | 20 31 43 | 6°48'18 | 17°32 | 28° 4 | 14°49 | 2°56 | 19°52 | 13°32 | 4°57 | 29°58 | 24°28 | 28°47 | 29°34 | 2°23 | 9°27 | F 22 |
| S 23 | 20 35 40 | 7°45'51 | 29°59 | 0♌ 7 | 15°59 | 2°49 | 19°45 | 13°40 | 4°59 | 29°56 | 24°28 | 28°45 | 29°30 | 2°30 | 9°33 | S 23 |
| S 24 | 20 39 37 | 8°43'26 | 12♊47 | 2° 9 | 17° 9 | 2°41 | 19°38 | 13°47 | 5° 1 | 29°55 | 24°27 | 28°43 | 29°27 | 2°37 | 9°39 | S 24 |
| M25 | 20 43 33 | 9°41'01 | 25°57 | 4°12 | 18°19 | 2°32 | 19°31 | 13°54 | 5° 3 | 29°53 | 24°27 | 28°41 | 29°24 | 2°43 | 9°45 | M25 |
| T 26 | 20 47 30 | 10°38'39 | 9♋32 | 6°16 | 19°29 | 2°23 | 19°24 | 14° 2 | 5° 5 | 29°52 | 24°27 | 28°38 | 29°21 | 2°50 | 9°51 | T 26 |
| W27 | 20 51 26 | 11°36'17 | 23°30 | 8°19 | 20°39 | 2°13 | 19°18 | 14° 9 | 5° 6 | 29°50 | 24°27 | 28°36 | 29°18 | 2°57 | 9°56 | W27 |
| T 28 | 20 55 23 | 12°33'57 | 7♌49 | 10°21 | 21°49 | 2° 3 | 19°11 | 14°16 | 5° 8 | 29°49 | 24°27 | 28°34 | 29°14 | 3° 3 | 10° 2 | T 28 |
| F 29 | 20 59 19 | 13°31'38 | 22°23 | 12°23 | 22°59 | 1°51 | 19° 5 | 14°23 | 5°10 | 29°47 | 24°26 | 28°D34 | 29°11 | 3°10 | 10° 8 | F 29 |
| S 30 | 21 3 16 | 14°29'21 | 7♍ 6 | 14°24 | 24° 9 | 1°39 | 18°58 | 14°30 | 5°12 | 29°46 | 24°26 | 28°34 | 29° 8 | 3°17 | 10°13 | S 30 |
| S 31 | 21 7 13 | 15♌27'04 | 21♍52 | 16♌25 | 25♍19 | 1♓27 | 18♑52 | 14♋38 | 5♊13 | 29♒44 | 24♈26 | 28♒34 | 29♒ 5 | 3♈23 | 10♋19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n28 | 18n15 | 1n25 | 20n24 | 3s 6 | 16n25 | 1n37 | 15s34 | 5s15 | 22s 8 | 0s30 | 22n46 | 0s18 | 20n56 | 0s 7 | 12s 5 | 0s46 | 6s 9 | 16s48 | 11s49 | 11s16 | 2n20 | 17n37 | 5s42 |
| S 2 | 22 21 | 12 29 | 0 8 | 20 38 | 2 53 | 16 1 | 1 36 | 15 34 | 5 19 | 22 9 | 0 30 | 22 46 | 0 18 | 20 56 | 0 7 | 12 6 | 0 46 | 6 9 | 16 48 | 11 49 | 11 18 | 2 24 | 17 37 | 5 43 |
| S 3 | 22 13 | 6 3 | 1s 9 | 20 52 | 2 39 | 15 36 | 1 35 | 15 34 | 5 23 | 22 11 | 0 30 | 22 45 | 0 18 | 20 57 | 0 7 | 12 6 | 0 46 | 6 9 | 16 49 | 11 49 | 11 19 | 2 27 | 17 36 | 5 43 |
| M 4 | 22 5 | 0s40 | 2 22 | 21 6 | 2 25 | 15 11 | 1 34 | 15 35 | 5 26 | 22 12 | 0 30 | 22 45 | 0 18 | 20 57 | 0 7 | 12 7 | 0 47 | 6 9 | 16 49 | 11 48 | 11 20 | 2 31 | 17 36 | 5 43 |
| T 5 | 21 57 | 7 19 | 3 26 | 21 21 | 2 11 | 14 46 | 1 32 | 15 36 | 5 30 | 22 13 | 0 31 | 22 44 | 0 18 | 20 58 | 0 7 | 12 7 | 0 47 | 6 9 | 16 49 | 11 48 | 11 21 | 2 34 | 17 35 | 5 43 |
| W 6 | 21 48 | 13 33 | 4 17 | 21 34 | 1 56 | 14 21 | 1 31 | 15 37 | 5 34 | 22 15 | 0 31 | 22 44 | 0 18 | 20 58 | 0 7 | 12 7 | 0 47 | 6 10 | 16 50 | 11 48 | 11 22 | 2 37 | 17 35 | 5 43 |
| T 7 | 21 39 | 19 2 | 4 52 | 21 48 | 1 42 | 13 55 | 1 29 | 15 38 | 5 37 | 22 16 | 0 31 | 22 43 | 0 18 | 20 59 | 0 7 | 12 8 | 0 47 | 6 10 | 16 50 | 11 48 | 11 23 | 2 41 | 17 34 | 5 43 |
| F 8 | 21 29 | 23 27 | 5 9 | 22 0 | 1 28 | 13 29 | 1 28 | 15 39 | 5 41 | 22 18 | 0 31 | 22 42 | 0 18 | 20 59 | 0 7 | 12 8 | 0 47 | 6 10 | 16 50 | 11 49 | 11 24 | 2 44 | 17 34 | 5 44 |
| S 9 | 21 19 | 26 30 | 5 9 | 22 12 | 1 13 | 13 2 | 1 26 | 15 41 | 5 44 | 22 19 | 0 31 | 22 42 | 0 18 | 21 0 | 0 7 | 12 9 | 0 47 | 6 10 | 16 51 | 11 50 | 11 25 | 2 47 | 17 33 | 5 44 |
| S 10 | 21 9 | 27 58 | 4 51 | 22 23 | 0 59 | 12 35 | 1 24 | 15 43 | 5 48 | 22 20 | 0 31 | 22 41 | 0 18 | 21 0 | 0 7 | 12 9 | 0 47 | 6 11 | 16 51 | 11 52 | 11 27 | 2 51 | 17 33 | 5 44 |
| M11 | 20 58 | 27 47 | 4 18 | 22 32 | 0 45 | 12 8 | 1 22 | 15 46 | 5 51 | 22 22 | 0 31 | 22 41 | 0 18 | 21 1 | 0 7 | 12 10 | 0 47 | 6 11 | 16 51 | 11 54 | 11 28 | 2 54 | 17 32 | 5 44 |
| T 12 | 20 47 | 26 4 | 3 32 | 22 39 | 0 31 | 11 40 | 1 21 | 15 48 | 5 55 | 22 23 | 0 32 | 22 40 | 0 17 | 21 1 | 0 7 | 12 10 | 0 47 | 6 11 | 16 52 | 11 56 | 11 29 | 2 57 | 17 32 | 5 44 |
| W13 | 20 36 | 23 0 | 2 36 | 22 45 | 0 18 | 11 13 | 1 18 | 15 51 | 5 58 | 22 24 | 0 32 | 22 39 | 0 17 | 21 2 | 0 7 | 12 11 | 0 47 | 6 12 | 16 52 | 11 57 | 11 30 | 3 1 | 17 31 | 5 45 |
| T 14 | 20 24 | 18 54 | 1 33 | 22 49 | 0 5 | 10 45 | 1 16 | 15 54 | 6 1 | 22 26 | 0 32 | 22 39 | 0 17 | 21 2 | 0 7 | 12 11 | 0 47 | 6 12 | 16 52 | 11 58 | 11 31 | 3 4 | 17 30 | 5 45 |
| F 15 | 20 12 | 14 5 | 0 27 | 22 51 | 0n 8 | 10 16 | 1 14 | 15 57 | 6 4 | 22 27 | 0 32 | 22 38 | 0 17 | 21 2 | 0 7 | 12 12 | 0 47 | 6 12 | 16 53 | 11 58 | 11 32 | 3 7 | 17 30 | 5 45 |
| S 16 | 20 0 | 8 47 | 0n39 | 22 50 | 0 19 | 9 48 | 1 12 | 16 0 | 6 7 | 22 28 | 0 32 | 22 37 | 0 17 | 21 3 | 0 7 | 12 12 | 0 47 | 6 12 | 16 53 | 11 58 | 11 33 | 3 11 | 17 29 | 5 45 |
| S 17 | 19 47 | 3 15 | 1 43 | 22 47 | 0 31 | 9 19 | 1 9 | 16 4 | 6 10 | 22 29 | 0 32 | 22 37 | 0 17 | 21 3 | 0 7 | 12 13 | 0 47 | 6 13 | 16 53 | 11 58 | 11 34 | 3 14 | 17 29 | 5 46 |
| M18 | 19 34 | 2n21 | 2 42 | 22 41 | 0 41 | 8 50 | 1 7 | 16 8 | 6 13 | 22 31 | 0 32 | 22 36 | 0 17 | 21 4 | 0 7 | 12 13 | 0 47 | 6 13 | 16 54 | 11 57 | 11 36 | 3 18 | 17 28 | 5 46 |
| T 19 | 19 20 | 7 51 | 3 34 | 22 33 | 0 51 | 8 21 | 1 5 | 16 12 | 6 16 | 22 32 | 0 32 | 22 35 | 0 17 | 21 4 | 0 7 | 12 14 | 0 47 | 6 13 | 16 54 | 11 57 | 11 37 | 3 21 | 17 27 | 5 46 |
| W20 | 19 7 | 13 5 | 4 17 | 22 22 | 1 0 | 7 52 | 1 2 | 16 16 | 6 19 | 22 33 | 0 33 | 22 35 | 0 17 | 21 5 | 0 7 | 12 14 | 0 47 | 6 14 | 16 54 | 11 56 | 11 38 | 3 24 | 17 27 | 5 46 |
| T 21 | 18 53 | 17 53 | 4 49 | 22 8 | 1 8 | 7 22 | 0 59 | 16 21 | 6 22 | 22 34 | 0 33 | 22 34 | 0 17 | 21 5 | 0 7 | 12 15 | 0 47 | 6 14 | 16 55 | 11 56 | 11 39 | 3 28 | 17 26 | 5 47 |
| F 22 | 18 38 | 22 4 | 5 9 | 21 52 | 1 16 | 6 52 | 0 56 | 16 26 | 6 24 | 22 35 | 0 33 | 22 33 | 0 17 | 21 5 | 0 7 | 12 15 | 0 47 | 6 14 | 16 55 | 11 56 | 11 40 | 3 31 | 17 25 | 5 47 |
| S 23 | 18 24 | 25 21 | 5 15 | 21 33 | 1 22 | 6 22 | 0 54 | 16 30 | 6 27 | 22 36 | 0 33 | 22 33 | 0 17 | 21 6 | 0 7 | 12 16 | 0 47 | 6 15 | 16 55 | 11 57 | 11 41 | 3 34 | 17 25 | 5 47 |
| S 24 | 18 9 | 27 28 | 5 6 | 21 11 | 1 28 | 5 52 | 0 51 | 16 35 | 6 29 | 22 38 | 0 33 | 22 32 | 0 17 | 21 6 | 0 7 | 12 16 | 0 47 | 6 15 | 16 56 | 11 58 | 11 42 | 3 38 | 17 24 | 5 47 |
| M25 | 17 53 | 28 8 | 4 40 | 20 47 | 1 33 | 5 22 | 0 48 | 16 40 | 6 31 | 22 39 | 0 33 | 22 31 | 0 16 | 21 6 | 0 7 | 12 17 | 0 47 | 6 15 | 16 56 | 11 59 | 11 43 | 3 41 | 17 23 | 5 48 |
| T 26 | 17 38 | 27 9 | 3 59 | 20 21 | 1 37 | 4 52 | 0 45 | 16 46 | 6 33 | 22 40 | 0 33 | 22 31 | 0 16 | 21 7 | 0 7 | 12 18 | 0 47 | 6 16 | 16 56 | 11 59 | 11 45 | 3 44 | 17 22 | 5 48 |
| W27 | 17 22 | 24 27 | 3 2 | 19 52 | 1 41 | 4 21 | 0 42 | 16 51 | 6 35 | 22 41 | 0 33 | 22 30 | 0 16 | 21 7 | 0 7 | 12 18 | 0 47 | 6 16 | 16 57 | 12 0 | 11 46 | 3 48 | 17 22 | 5 48 |
| T 28 | 17 6 | 20 11 | 1 52 | 19 22 | 1 43 | 3 51 | 0 38 | 16 57 | 6 37 | 22 42 | 0 33 | 22 29 | 0 16 | 21 7 | 0 7 | 12 19 | 0 47 | 6 17 | 16 57 | 12 1 | 11 47 | 3 51 | 17 21 | 5 49 |
| F 29 | 16 49 | 14 38 | 0 34 | 18 49 | 1 45 | 3 20 | 0 35 | 17 2 | 6 38 | 22 43 | 0 33 | 22 29 | 0 16 | 21 8 | 0 7 | 12 19 | 0 47 | 6 17 | 16 57 | 12 1 | 11 48 | 3 54 | 17 20 | 5 49 |
| S 30 | 16 33 | 8 12 | 0s47 | 18 15 | 1 46 | 2 49 | 0 32 | 17 8 | 6 39 | 22 44 | 0 33 | 22 28 | 0 16 | 21 8 | 0 7 | 12 20 | 0 47 | 6 17 | 16 58 | 12 1 | 11 49 | 3 58 | 17 19 | 5 49 |
| S 31 | 16n16 | 1n19 | 2s 6 | 17n40 | 1n46 | 2n18 | 0n28 | 17s13 | 6s41 | 22s45 | 0s34 | 22n27 | 0s16 | 21n 8 | 0s 7 | 12s20 | 0s47 | 6s18 | 16s58 | 12s 1 | 11s50 | 4n 1 | 17n19 | 5s50 |

Julian Day Number = 2216518.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'52, Lahiri = 14°52'53 Julian Calendar 1 July 1356 == Greg. Calendar 9 July 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## AUGUST 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 11 9 | 16♌24'49 | 6♎33 | 18♌24 | 26♍28 | 1°R14 | 18°R46 | 14♋45 | 5♊15 | 29°R43 | 24°R26 | 28♒35 | 29♒ 2 | 3♈30 | 10♋25 | M 1 |
| T 2 | 21 15 6 | 17°22'35 | 21° 5 | 20°22 | 27°38 | 1♓ 1 | 18♉40 | 14°52 | 5°17 | 29♒41 | 24♈25 | 28°36 | 28°59 | 3°37 | 10°30 | T 2 |
| W 3 | 21 19 2 | 18°20'22 | 5♏23 | 22°19 | 28°47 | 0°47 | 18°34 | 14°59 | 5°18 | 29°39 | 24°25 | 28°37 | 28°55 | 3°43 | 10°36 | W 3 |
| T 4 | 21 22 59 | 19°18'10 | 19°25 | 24°15 | 29°56 | 0°33 | 18°28 | 15° 6 | 5°20 | 29°38 | 24°25 | 28°R37 | 28°52 | 3°50 | 10°41 | T 4 |
| F 5 | 21 26 55 | 20°16'00 | 3♐10 | 26° 9 | 1♎ 6 | 0°18 | 18°23 | 15°12 | 5°21 | 29°36 | 24°24 | 28°37 | 28°49 | 3°57 | 10°47 | F 5 |
| S 6 | 21 30 52 | 21°13'51 | 16°37 | 28° 2 | 2°15 | 0° 3 | 18°18 | 15°19 | 5°23 | 29°35 | 24°24 | 28°36 | 28°46 | 4° 3 | 10°52 | S 6 |
| S 7 | 21 34 48 | 22°11'43 | 29°48 | 29°54 | 3°24 | 29♒48 | 18°12 | 15°26 | 5°24 | 29°33 | 24°23 | 28°36 | 28°43 | 4°10 | 10°57 | S 7 |
| M 8 | 21 38 45 | 23° 9'36 | 12♑44 | 1♍45 | 4°33 | 29°32 | 18° 7 | 15°33 | 5°25 | 29°31 | 24°23 | 28°35 | 28°39 | 4°17 | 11° 3 | M 8 |
| T 9 | 21 42 42 | 24° 7'31 | 25°25 | 3°34 | 5°42 | 29°17 | 18° 2 | 15°40 | 5°27 | 29°30 | 24°22 | 28°34 | 28°36 | 4°23 | 11° 8 | T 9 |
| W10 | 21 46 38 | 25° 5'27 | 7♒53 | 5°22 | 6°51 | 29° 1 | 17°57 | 15°46 | 5°28 | 29°28 | 24°22 | 28°34 | 28°33 | 4°30 | 11°13 | W10 |
| T 11 | 21 50 35 | 26° 3'24 | 20°11 | 7° 9 | 7°59 | 28°45 | 17°53 | 15°53 | 5°29 | 29°26 | 24°21 | 28°34 | 28°30 | 4°37 | 11°18 | T 11 |
| F 12 | 21 54 31 | 27° 1'24 | 2♓18 | 8°54 | 9° 8 | 28°29 | 17°48 | 15°59 | 5°30 | 29°25 | 24°21 | 28°D34 | 28°27 | 4°43 | 11°23 | F 12 |
| S 13 | 21 58 28 | 27°59'24 | 14°17 | 10°38 | 10°16 | 28°13 | 17°44 | 16° 6 | 5°31 | 29°23 | 24°20 | 28°34 | 28°24 | 4°50 | 11°29 | S 13 |
| S 14 | 22 2 24 | 28°57'27 | 26°11 | 12°21 | 11°25 | 27°56 | 17°40 | 16°12 | 5°32 | 29°21 | 24°20 | 28°R34 | 28°20 | 4°57 | 11°34 | S 14 |
| M15 | 22 6 21 | 29°55'31 | 8♈ 0 | 14° 2 | 12°33 | 27°40 | 17°36 | 16°19 | 5°33 | 29°20 | 24°19 | 28°34 | 28°17 | 5° 3 | 11°39 | M15 |
| T 16 | 22 10 17 | 0♍53'37 | 19°49 | 15°43 | 13°41 | 27°25 | 17°32 | 16°25 | 5°34 | 29°18 | 24°19 | 28°33 | 28°14 | 5°10 | 11°43 | T 16 |
| W17 | 22 14 14 | 1°51'45 | 1♉41 | 17°22 | 14°49 | 27° 9 | 17°29 | 16°32 | 5°35 | 29°17 | 24°18 | 28°33 | 28°11 | 5°17 | 11°48 | W17 |
| T 18 | 22 18 10 | 2°49'56 | 13°40 | 19° 0 | 15°57 | 26°53 | 17°25 | 16°38 | 5°36 | 29°15 | 24°17 | 28°33 | 28° 8 | 5°23 | 11°53 | T 18 |
| F 19 | 22 22 7 | 3°48'08 | 25°49 | 20°36 | 17° 5 | 26°38 | 17°22 | 16°44 | 5°37 | 29°13 | 24°17 | 28°32 | 28° 5 | 5°30 | 11°58 | F 19 |
| S 20 | 22 26 4 | 4°46'22 | 8♊14 | 22°12 | 18°12 | 26°23 | 17°19 | 16°50 | 5°37 | 29°12 | 24°16 | 28°D32 | 28° 1 | 5°37 | 12° 3 | S 20 |
| S 21 | 22 30 0 | 5°44'38 | 20°57 | 23°46 | 19°20 | 26° 8 | 17°16 | 16°56 | 5°38 | 29°10 | 24°15 | 28°33 | 27°58 | 5°43 | 12° 7 | S 21 |
| M22 | 22 33 57 | 6°42'57 | 4♋ 4 | 25°19 | 20°27 | 25°54 | 17°13 | 17° 2 | 5°39 | 29° 8 | 24°15 | 28°33 | 27°55 | 5°50 | 12°12 | M22 |
| T 23 | 22 37 53 | 7°41'18 | 17°36 | 26°51 | 21°35 | 25°40 | 17°11 | 17° 8 | 5°39 | 29° 7 | 24°14 | 28°34 | 27°52 | 5°57 | 12°16 | T 23 |
| W24 | 22 41 50 | 8°39'40 | 1♌35 | 28°22 | 22°42 | 25°26 | 17° 8 | 17°14 | 5°40 | 29° 5 | 24°13 | 28°35 | 27°49 | 6° 3 | 12°21 | W24 |
| T 25 | 22 45 46 | 9°38'05 | 15°59 | 29°52 | 23°49 | 25°13 | 17° 6 | 17°20 | 5°40 | 29° 3 | 24°12 | 28°35 | 27°45 | 6°10 | 12°25 | T 25 |
| F 26 | 22 49 43 | 10°36'32 | 0♍45 | 1♎20 | 24°56 | 25° 1 | 17° 4 | 17°25 | 5°41 | 29° 2 | 24°12 | 28°R36 | 27°42 | 6°17 | 12°30 | F 26 |
| S 27 | 22 53 40 | 11°35'00 | 15°45 | 2°48 | 26° 3 | 24°49 | 17° 2 | 17°31 | 5°41 | 29° 0 | 24°11 | 28°35 | 27°39 | 6°23 | 12°34 | S 27 |
| S 28 | 22 57 36 | 12°33'31 | 0♎52 | 4°14 | 27° 9 | 24°38 | 17° 1 | 17°37 | 5°41 | 28°59 | 24°10 | 28°34 | 27°36 | 6°30 | 12°38 | S 28 |
| M29 | 23 1 33 | 13°32'03 | 15°56 | 5°39 | 28°16 | 24°27 | 16°59 | 17°42 | 5°42 | 28°57 | 24° 9 | 28°32 | 27°33 | 6°37 | 12°42 | M29 |
| T 30 | 23 5 29 | 14°30'37 | 0♏49 | 7° 2 | 29°22 | 24°17 | 16°58 | 17°48 | 5°42 | 28°55 | 24° 8 | 28°30 | 27°30 | 6°43 | 12°46 | T 30 |
| W31 | 23 9 26 | 15♍29'13 | 15♏23 | 8♎25 | 0♏28 | 24♒ 8 | 16♉57 | 17♋53 | 5♊42 | 28♒54 | 24♈ 8 | 28♒29 | 27♒26 | 6♈50 | 12♋50 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n58 | 5s36 | 3s15 | 17n 3 | 1n46 | 1n47 | 0n25 | 17s19 | 6s42 | 22s46 | 0s34 | 22n27 | 0s16 | 21n 9 | 0s 7 | 12s21 | 0s47 | 6s18 | 16s58 | 12s 0 | 11s51 | 4n 4 | 17n18 | 5s50 |
| T 2 | 15 41 | 12 8 | 4 12 | 16 24 | 1 45 | 1 16 | 0 21 | 17 25 | 6 43 | 22 47 | 0 34 | 22 26 | 0 16 | 21 9 | 0 7 | 12 22 | 0 47 | 6 19 | 16 59 | 12 0 | 11 52 | 4 8 | 17 17 | 5 50 |
| W 3 | 15 23 | 17 56 | 4 51 | 15 45 | 1 43 | 0 45 | 0 18 | 17 30 | 6 43 | 22 47 | 0 34 | 22 25 | 0 16 | 21 9 | 0 7 | 12 22 | 0 47 | 6 19 | 16 59 | 12 0 | 11 53 | 4 11 | 17 16 | 5 51 |
| T 4 | 15 5 | 22 40 | 5 13 | 15 5 | 1 41 | 0 14 | 0 14 | 17 36 | 6 44 | 22 48 | 0 34 | 22 24 | 0 16 | 21 9 | 0 7 | 12 23 | 0 47 | 6 19 | 16 59 | 12 0 | 11 55 | 4 14 | 17 16 | 5 51 |
| F 5 | 14 47 | 26 2 | 5 16 | 14 23 | 1 39 | 0s17 | 0 10 | 17 42 | 6 44 | 22 49 | 0 34 | 22 24 | 0 16 | 21 10 | 0 7 | 12 23 | 0 47 | 6 20 | 17 0 | 12 0 | 11 56 | 4 18 | 17 15 | 5 51 |
| S 6 | 14 28 | 27 51 | 5 2 | 13 41 | 1 35 | 0 48 | 0 6 | 17 47 | 6 44 | 22 50 | 0 34 | 22 23 | 0 16 | 21 10 | 0 7 | 12 24 | 0 47 | 6 20 | 17 0 | 12 0 | 11 57 | 4 21 | 17 14 | 5 52 |
| S 7 | 14 10 | 28 3 | 4 31 | 12 59 | 1 32 | 1 19 | 0 3 | 17 53 | 6 44 | 22 51 | 0 34 | 22 22 | 0 15 | 21 10 | 0 7 | 12 24 | 0 47 | 6 21 | 17 0 | 12 0 | 11 58 | 4 24 | 17 13 | 5 52 |
| M 8 | 13 51 | 26 42 | 3 48 | 12 15 | 1 28 | 1 50 | 0s 1 | 17 58 | 6 44 | 22 51 | 0 34 | 22 22 | 0 15 | 21 10 | 0 7 | 12 25 | 0 47 | 6 21 | 17 0 | 12 1 | 11 59 | 4 28 | 17 12 | 5 53 |
| T 9 | 13 32 | 23 59 | 2 54 | 11 32 | 1 24 | 2 21 | 0 5 | 18 3 | 6 43 | 22 52 | 0 34 | 22 21 | 0 15 | 21 11 | 0 7 | 12 26 | 0 47 | 6 22 | 17 1 | 12 1 | 12 0 | 4 31 | 17 12 | 5 53 |
| W10 | 13 12 | 20 10 | 1 52 | 10 48 | 1 19 | 2 52 | 0 9 | 18 8 | 6 43 | 22 53 | 0 34 | 22 20 | 0 15 | 21 11 | 0 7 | 12 26 | 0 47 | 6 22 | 17 1 | 12 1 | 12 1 | 4 34 | 17 11 | 5 53 |
| T 11 | 12 53 | 15 33 | 0 46 | 10 3 | 1 14 | 3 23 | 0 13 | 18 13 | 6 42 | 22 54 | 0 34 | 22 20 | 0 15 | 21 11 | 0 7 | 12 27 | 0 47 | 6 22 | 17 1 | 12 1 | 12 2 | 4 37 | 17 10 | 5 54 |
| F 12 | 12 33 | 10 22 | 0n21 | 9 19 | 1 8 | 3 54 | 0 17 | 18 18 | 6 41 | 22 54 | 0 34 | 22 19 | 0 15 | 21 11 | 0 7 | 12 27 | 0 47 | 6 23 | 17 2 | 12 1 | 12 3 | 4 41 | 17 9 | 5 54 |
| S 13 | 12 13 | 4 53 | 1 26 | 8 34 | 1 2 | 4 25 | 0 22 | 18 22 | 6 40 | 22 55 | 0 34 | 22 18 | 0 15 | 21 12 | 0 7 | 12 28 | 0 47 | 6 23 | 17 2 | 12 1 | 12 4 | 4 44 | 17 8 | 5 55 |
| S 14 | 11 53 | 0n44 | 2 27 | 7 49 | 0 56 | 4 55 | 0 26 | 18 27 | 6 38 | 22 55 | 0 35 | 22 17 | 0 15 | 21 12 | 0 7 | 12 29 | 0 47 | 6 24 | 17 2 | 12 1 | 12 6 | 4 47 | 17 7 | 5 55 |
| M15 | 11 32 | 6 17 | 3 22 | 7 4 | 0 50 | 5 26 | 0 30 | 18 31 | 6 36 | 22 56 | 0 35 | 22 17 | 0 15 | 21 12 | 0 7 | 12 29 | 0 47 | 6 24 | 17 3 | 12 1 | 12 7 | 4 51 | 17 7 | 5 56 |
| T 16 | 11 12 | 11 36 | 4 8 | 6 19 | 0 44 | 5 57 | 0 34 | 18 35 | 6 35 | 22 57 | 0 35 | 22 16 | 0 15 | 21 12 | 0 7 | 12 30 | 0 47 | 6 25 | 17 3 | 12 1 | 12 8 | 4 54 | 17 6 | 5 56 |
| W17 | 10 51 | 16 31 | 4 43 | 5 35 | 0 37 | 6 27 | 0 39 | 18 38 | 6 33 | 22 57 | 0 35 | 22 15 | 0 15 | 21 12 | 0 7 | 12 30 | 0 47 | 6 25 | 17 3 | 12 1 | 12 9 | 4 57 | 17 5 | 5 56 |
| T 18 | 10 30 | 20 52 | 5 7 | 4 50 | 0 30 | 6 57 | 0 43 | 18 42 | 6 30 | 22 58 | 0 35 | 22 15 | 0 15 | 21 12 | 0 7 | 12 31 | 0 47 | 6 26 | 17 3 | 12 1 | 12 10 | 5 1 | 17 4 | 5 57 |
| F 19 | 10 9 | 24 24 | 5 17 | 4 5 | 0 23 | 7 28 | 0 47 | 18 45 | 6 28 | 22 58 | 0 35 | 22 14 | 0 15 | 21 13 | 0 7 | 12 32 | 0 47 | 6 26 | 17 4 | 12 1 | 12 11 | 5 4 | 17 3 | 5 57 |
| S 20 | 9 48 | 26 54 | 5 13 | 3 21 | 0 16 | 7 58 | 0 52 | 18 48 | 6 25 | 22 58 | 0 35 | 22 13 | 0 14 | 21 13 | 0 7 | 12 32 | 0 47 | 6 27 | 17 4 | 12 1 | 12 12 | 5 7 | 17 2 | 5 58 |
| S 21 | 9 26 | 28 6 | 4 53 | 2 37 | 0 8 | 8 28 | 0 56 | 18 50 | 6 23 | 22 59 | 0 35 | 22 13 | 0 14 | 21 13 | 0 7 | 12 33 | 0 47 | 6 27 | 17 4 | 12 1 | 12 13 | 5 11 | 17 1 | 5 58 |
| M22 | 9 5 | 27 46 | 4 18 | 1 53 | 0 1 | 8 57 | 1 1 | 18 53 | 6 20 | 22 59 | 0 35 | 22 12 | 0 14 | 21 13 | 0 7 | 12 33 | 0 47 | 6 28 | 17 4 | 12 1 | 12 14 | 5 14 | 17 0 | 5 59 |
| T 23 | 8 43 | 25 48 | 3 28 | 1 9 | 0s 7 | 9 27 | 1 5 | 18 55 | 6 17 | 23 0 | 0 35 | 22 11 | 0 14 | 21 13 | 0 7 | 12 34 | 0 47 | 6 28 | 17 5 | 12 1 | 12 16 | 5 17 | 17 0 | 5 59 |
| W24 | 8 21 | 22 13 | 2 24 | 0 26 | 0 14 | 9 56 | 1 10 | 18 56 | 6 14 | 23 0 | 0 35 | 22 11 | 0 14 | 21 13 | 0 7 | 12 34 | 0 47 | 6 29 | 17 5 | 12 1 | 12 17 | 5 20 | 16 59 | 6 0 |
| T 25 | 7 59 | 17 12 | 1 9 | 0s17 | 0 22 | 10 26 | 1 14 | 18 58 | 6 10 | 23 0 | 0 35 | 22 10 | 0 14 | 21 13 | 0 7 | 12 35 | 0 47 | 6 29 | 17 5 | 12 0 | 12 18 | 5 24 | 16 58 | 6 0 |
| F 26 | 7 37 | 11 4 | 0s12 | 1 0 | 0 30 | 10 55 | 1 19 | 18 59 | 6 7 | 23 1 | 0 35 | 22 9 | 0 14 | 21 13 | 0 7 | 12 36 | 0 47 | 6 30 | 17 5 | 12 0 | 12 19 | 5 27 | 16 57 | 6 1 |
| S 27 | 7 15 | 4 12 | 1 34 | 1 42 | 0 38 | 11 23 | 1 24 | 18 59 | 6 3 | 23 1 | 0 35 | 22 9 | 0 14 | 21 13 | 0 7 | 12 36 | 0 47 | 6 30 | 17 6 | 12 0 | 12 20 | 5 30 | 16 56 | 6 1 |
| S 28 | 6 52 | 2s56 | 2 49 | 2 23 | 0 46 | 11 52 | 1 28 | 19 0 | 6 0 | 23 1 | 0 35 | 22 8 | 0 14 | 21 13 | 0 7 | 12 37 | 0 47 | 6 30 | 17 6 | 12 1 | 12 21 | 5 34 | 16 55 | 6 2 |
| M29 | 6 30 | 9 52 | 3 53 | 3 5 | 0 54 | 12 20 | 1 33 | 19 0 | 5 56 | 23 1 | 0 35 | 22 7 | 0 14 | 21 13 | 0 7 | 12 37 | 0 47 | 6 31 | 17 6 | 12 1 | 12 22 | 5 37 | 16 54 | 6 2 |
| T 30 | 6 7 | 16 10 | 4 40 | 3 45 | 1 2 | 12 48 | 1 37 | 19 0 | 5 52 | 23 1 | 0 35 | 22 7 | 0 14 | 21 13 | 0 7 | 12 38 | 0 47 | 6 31 | 17 6 | 12 2 | 12 23 | 5 40 | 16 53 | 6 3 |
| W31 | 5n44 | 21s24 | 5s 8 | 4s25 | 1s10 | 13s16 | 1s42 | 18s59 | 5s48 | 23s 2 | 0s35 | 22n 6 | 0s14 | 21n14 | 0s 7 | 12s38 | 0s47 | 6s32 | 17s 6 | 12s 3 | 12s24 | 5n43 | 16n52 | 6s 3 |

Julian Day Number = 2216549.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°45'56, Lahiri = 14°52'57 Julian Calendar 1 Aug. 1356 == Greg. Calendar 9 Aug. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## SEPTEMBER 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 13 22 | 16♍27'50 | 29♏35 | 9♎46 | 1♏34 | 23°R59 | 16°R56 | 17♋58 | 5♊42 | 28°R52 | 24°R 7 | 28°R27 | 27♒23 | 6♈57 | 12♋54 | T 1 |
| F 2 | 23 17 19 | 17°26'29 | 13♐22 | 11° 6 | 2°40 | 23♒51 | 16♑56 | 18° 4 | 5°42 | 28♒51 | 24♈ 6 | 28°D26 | 27°20 | 7° 3 | 12°58 | F 2 |
| S 3 | 23 21 15 | 18°25'10 | 26°45 | 12°24 | 3°45 | 23°44 | 16°55 | 18° 9 | 5°R42 | 28°49 | 24° 5 | 28♒27 | 27°17 | 7°10 | 13° 2 | S 3 |
| S 4 | 23 25 12 | 19°23'53 | 9♑46 | 13°41 | 4°51 | 23°38 | 16°55 | 18°14 | 5°42 | 28°48 | 24° 4 | 28°27 | 27°14 | 7°17 | 13° 6 | S 4 |
| M 5 | 23 29 9 | 20°22'37 | 22°28 | 14°57 | 5°56 | 23°32 | 16°D55 | 18°19 | 5°42 | 28°46 | 24° 3 | 28°29 | 27°11 | 7°24 | 13° 9 | M 5 |
| T 6 | 23 33 5 | 21°21'23 | 4♒54 | 16°11 | 7° 1 | 23°27 | 16°55 | 18°24 | 5°42 | 28°45 | 24° 2 | 28°31 | 27° 7 | 7°30 | 13°13 | T 6 |
| W 7 | 23 37 2 | 22°20'11 | 17° 7 | 17°23 | 8° 6 | 23°23 | 16°56 | 18°29 | 5°42 | 28°43 | 24° 1 | 28°32 | 27° 4 | 7°37 | 13°16 | W 7 |
| T 8 | 23 40 58 | 23°19'01 | 29°11 | 18°34 | 9°11 | 23°20 | 16°56 | 18°33 | 5°41 | 28°42 | 24° 0 | 28°R32 | 27° 1 | 7°44 | 13°20 | T 8 |
| F 9 | 23 44 55 | 24°17'52 | 11♓ 8 | 19°42 | 10°15 | 23°17 | 16°57 | 18°38 | 5°41 | 28°40 | 23°59 | 28°32 | 26°58 | 7°50 | 13°23 | F 9 |
| S 10 | 23 48 51 | 25°16'46 | 23° 1 | 20°49 | 11°19 | 23°16 | 16°58 | 18°43 | 5°41 | 28°39 | 23°59 | 28°30 | 26°55 | 7°57 | 13°27 | S 10 |
| S 11 | 23 52 48 | 26°15'41 | 4♈51 | 21°54 | 12°23 | 23°15 | 16°59 | 18°47 | 5°40 | 28°38 | 23°58 | 28°26 | 26°51 | 8° 4 | 13°30 | S 11 |
| M12 | 23 56 44 | 27°14'39 | 16°41 | 22°56 | 13°27 | 23°D15 | 17° 1 | 18°52 | 5°40 | 28°36 | 23°57 | 28°22 | 26°48 | 8°10 | 13°33 | M12 |
| T 13 | 0 0 41 | 28°13'39 | 28°32 | 23°56 | 14°31 | 23°15 | 17° 2 | 18°56 | 5°39 | 28°35 | 23°56 | 28°16 | 26°45 | 8°17 | 13°36 | T 13 |
| W14 | 0 4 37 | 29°12'41 | 10♉27 | 24°54 | 15°34 | 23°17 | 17° 4 | 19° 0 | 5°39 | 28°33 | 23°55 | 28°11 | 26°42 | 8°24 | 13°39 | W14 |
| T 15 | 0 8 34 | 0♎11'45 | 22°28 | 25°48 | 16°37 | 23°19 | 17° 6 | 19° 4 | 5°38 | 28°32 | 23°54 | 28° 6 | 26°39 | 8°30 | 13°42 | T 15 |
| F 16 | 0 12 31 | 1°10'52 | 4♊39 | 26°39 | 17°40 | 23°22 | 17° 8 | 19° 8 | 5°38 | 28°31 | 23°52 | 28° 2 | 26°36 | 8°37 | 13°45 | F 16 |
| S 17 | 0 16 27 | 2°10'01 | 17° 2 | 27°27 | 18°42 | 23°26 | 17°10 | 19°12 | 5°37 | 28°29 | 23°51 | 27°59 | 26°32 | 8°44 | 13°48 | S 17 |
| S 18 | 0 20 24 | 3° 9'12 | 29°41 | 28°11 | 19°44 | 23°31 | 17°13 | 19°16 | 5°36 | 28°28 | 23°50 | 27°D58 | 26°29 | 8°50 | 13°50 | S 18 |
| M19 | 0 24 20 | 4° 8'26 | 12♋41 | 28°52 | 20°46 | 23°36 | 17°15 | 19°20 | 5°35 | 28°27 | 23°49 | 27°58 | 26°26 | 8°57 | 13°53 | M19 |
| T 20 | 0 28 17 | 5° 7'42 | 26° 4 | 29°27 | 21°48 | 23°42 | 17°18 | 19°24 | 5°34 | 28°26 | 23°48 | 27°59 | 26°23 | 9° 4 | 13°55 | T 20 |
| W21 | 0 32 13 | 6° 7'00 | 9♌54 | 29°58 | 22°49 | 23°49 | 17°21 | 19°27 | 5°34 | 28°24 | 23°47 | 28° 1 | 26°20 | 9°10 | 13°58 | W21 |
| T 22 | 0 36 10 | 7° 6'21 | 24°10 | 0♏24 | 23°50 | 23°56 | 17°25 | 19°31 | 5°33 | 28°23 | 23°46 | 28°R 2 | 26°17 | 9°17 | 14° 0 | T 22 |
| F 23 | 0 40 6 | 8° 5'44 | 8♍51 | 0°44 | 24°51 | 24° 5 | 17°28 | 19°34 | 5°32 | 28°22 | 23°45 | 28° 1 | 26°13 | 9°24 | 14° 2 | F 23 |
| S 24 | 0 44 3 | 9° 5'09 | 23°53 | 0°58 | 25°51 | 24°14 | 17°32 | 19°38 | 5°30 | 28°21 | 23°44 | 27°59 | 26°10 | 9°30 | 14° 5 | S 24 |
| S 25 | 0 48 0 | 10° 4'36 | 9♎ 7 | 1°R 5 | 26°51 | 24°23 | 17°36 | 19°41 | 5°29 | 28°20 | 23°43 | 27°55 | 26° 7 | 9°37 | 14° 7 | S 25 |
| M26 | 0 51 56 | 11° 4'05 | 24°24 | 1° 5 | 27°51 | 24°34 | 17°39 | 19°44 | 5°28 | 28°19 | 23°42 | 27°49 | 26° 4 | 9°44 | 14° 9 | M26 |
| T 27 | 0 55 53 | 12° 3'37 | 9♏32 | 0°57 | 28°50 | 24°45 | 17°44 | 19°47 | 5°27 | 28°17 | 23°41 | 27°42 | 26° 1 | 9°50 | 14°11 | T 27 |
| W28 | 0 59 49 | 13° 3'10 | 24°23 | 0°41 | 29°49 | 24°57 | 17°48 | 19°50 | 5°26 | 28°16 | 23°40 | 27°35 | 25°57 | 9°57 | 14°12 | W28 |
| T 29 | 1 3 46 | 14° 2'45 | 8♐48 | 0°17 | 0♐48 | 25°10 | 17°53 | 19°53 | 5°25 | 28°15 | 23°38 | 27°30 | 25°54 | 10° 4 | 14°14 | T 29 |
| F 30 | 1 7 42 | 15♎ 2'22 | 22♐44 | 29♎44 | 1♐46 | 25♒23 | 17♑57 | 19♋55 | 5♊23 | 28♒14 | 23♈37 | 27♒25 | 25♒51 | 10♈11 | 14♋16 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n22 | 25s16 | 5s16 | 5s 5 | 1s18 | 13s44 | 1s47 | 18s58 | 5s44 | 23s 2 | 0s35 | 22n 5 | 0s14 | 21n14 | 0s 7 | 12s39 | 0s47 | 6s32 | 17s 7 | 12s 3 | 12s25 | 5n47 | 16n52 | 6s 4 |
| F 2 | 4 59 | 27 32 | 5 5 | 5 43 | 1 26 | 14 11 | 1 51 | 18 57 | 5 39 | 23 2 | 0 35 | 22 5 | 0 14 | 21 14 | 0 7 | 12 39 | 0 47 | 6 33 | 17 7 | 12 4 | 12 26 | 5 50 | 16 51 | 6 4 |
| S 3 | 4 36 | 28 7 | 4 38 | 6 21 | 1 34 | 14 38 | 1 56 | 18 55 | 5 35 | 23 2 | 0 35 | 22 4 | 0 13 | 21 14 | 0 7 | 12 40 | 0 47 | 6 33 | 17 7 | 12 3 | 12 28 | 5 53 | 16 50 | 6 5 |
| S 4 | 4 13 | 27 7 | 3 58 | 6 59 | 1 42 | 15 5 | 2 1 | 18 53 | 5 31 | 23 2 | 0 35 | 22 3 | 0 13 | 21 14 | 0 7 | 12 41 | 0 47 | 6 34 | 17 7 | 12 3 | 12 29 | 5 57 | 16 49 | 6 6 |
| M 5 | 3 50 | 24 42 | 3 6 | 7 35 | 1 49 | 15 31 | 2 5 | 18 51 | 5 26 | 23 2 | 0 35 | 22 3 | 0 13 | 21 14 | 0 7 | 12 41 | 0 47 | 6 34 | 17 7 | 12 3 | 12 30 | 6 0 | 16 48 | 6 6 |
| T 6 | 3 26 | 21 9 | 2 7 | 8 11 | 1 57 | 15 57 | 2 10 | 18 48 | 5 22 | 23 2 | 0 35 | 22 2 | 0 13 | 21 14 | 0 7 | 12 42 | 0 47 | 6 35 | 17 8 | 12 2 | 12 31 | 6 3 | 16 47 | 6 7 |
| W 7 | 3 3 | 16 45 | 1 2 | 8 46 | 2 5 | 16 23 | 2 15 | 18 45 | 5 17 | 23 2 | 0 35 | 22 2 | 0 13 | 21 14 | 0 7 | 12 42 | 0 47 | 6 35 | 17 8 | 12 2 | 12 32 | 6 6 | 16 46 | 6 7 |
| T 8 | 2 40 | 11 45 | 0n 4 | 9 20 | 2 12 | 16 48 | 2 19 | 18 42 | 5 13 | 23 2 | 0 35 | 22 1 | 0 13 | 21 13 | 0 7 | 12 43 | 0 47 | 6 36 | 17 8 | 12 1 | 12 33 | 6 10 | 16 45 | 6 8 |
| F 9 | 2 16 | 6 21 | 1 9 | 9 53 | 2 19 | 17 13 | 2 24 | 18 39 | 5 8 | 23 2 | 0 35 | 22 1 | 0 13 | 21 13 | 0 7 | 12 43 | 0 47 | 6 36 | 17 8 | 12 2 | 12 34 | 6 13 | 16 44 | 6 8 |
| S 10 | 1 53 | 0 47 | 2 10 | 10 25 | 2 26 | 17 38 | 2 28 | 18 35 | 5 3 | 23 2 | 0 35 | 22 0 | 0 13 | 21 13 | 0 7 | 12 44 | 0 47 | 6 37 | 17 8 | 12 2 | 12 35 | 6 16 | 16 43 | 6 9 |
| S 11 | 1 29 | 4n47 | 3 6 | 10 56 | 2 33 | 18 2 | 2 33 | 18 31 | 4 59 | 23 1 | 0 35 | 21 59 | 0 13 | 21 13 | 0 6 | 12 44 | 0 47 | 6 37 | 17 8 | 12 4 | 12 36 | 6 19 | 16 43 | 6 10 |
| M12 | 1 6 | 10 10 | 3 54 | 11 25 | 2 40 | 18 26 | 2 37 | 18 26 | 4 54 | 23 1 | 0 35 | 21 59 | 0 13 | 21 13 | 0 6 | 12 45 | 0 47 | 6 38 | 17 9 | 12 5 | 12 37 | 6 23 | 16 42 | 6 10 |
| T 13 | 0 42 | 15 13 | 4 31 | 11 53 | 2 46 | 18 49 | 2 42 | 18 22 | 4 49 | 23 1 | 0 35 | 21 58 | 0 13 | 21 13 | 0 6 | 12 45 | 0 47 | 6 38 | 17 9 | 12 7 | 12 38 | 6 26 | 16 41 | 6 11 |
| W14 | 0 19 | 19 42 | 4 57 | 12 20 | 2 52 | 19 13 | 2 46 | 18 17 | 4 45 | 23 1 | 0 35 | 21 58 | 0 13 | 21 13 | 0 6 | 12 46 | 0 47 | 6 39 | 17 9 | 12 9 | 12 40 | 6 29 | 16 40 | 6 11 |
| T 15 | 0s 5 | 23 27 | 5 10 | 12 46 | 2 58 | 19 35 | 2 51 | 18 12 | 4 40 | 23 1 | 0 35 | 21 57 | 0 13 | 21 13 | 0 6 | 12 46 | 0 47 | 6 39 | 17 9 | 12 11 | 12 41 | 6 32 | 16 39 | 6 12 |
| F 16 | 0 28 | 26 13 | 5 10 | 13 9 | 3 3 | 19 58 | 2 55 | 18 6 | 4 35 | 23 0 | 0 35 | 21 57 | 0 13 | 21 13 | 0 6 | 12 46 | 0 47 | 6 40 | 17 9 | 12 12 | 12 42 | 6 36 | 16 38 | 6 13 |
| S 17 | 0 52 | 27 47 | 4 55 | 13 31 | 3 8 | 20 19 | 2 59 | 18 0 | 4 31 | 23 0 | 0 35 | 21 56 | 0 12 | 21 13 | 0 6 | 12 47 | 0 47 | 6 40 | 17 9 | 12 13 | 12 43 | 6 39 | 16 37 | 6 13 |
| S 18 | 1 15 | 27 57 | 4 26 | 13 51 | 3 12 | 20 41 | 3 4 | 17 55 | 4 26 | 23 0 | 0 35 | 21 56 | 0 12 | 21 13 | 0 6 | 12 47 | 0 47 | 6 41 | 17 9 | 12 13 | 12 44 | 6 42 | 16 36 | 6 14 |
| M19 | 1 39 | 26 36 | 3 42 | 14 10 | 3 16 | 21 2 | 3 8 | 17 48 | 4 21 | 22 59 | 0 35 | 21 55 | 0 12 | 21 12 | 0 6 | 12 48 | 0 47 | 6 41 | 17 10 | 12 13 | 12 45 | 6 45 | 16 35 | 6 14 |
| T 20 | 2 3 | 23 43 | 2 45 | 14 25 | 3 19 | 21 22 | 3 12 | 17 42 | 4 16 | 22 59 | 0 35 | 21 55 | 0 12 | 21 12 | 0 6 | 12 48 | 0 47 | 6 42 | 17 10 | 12 13 | 12 46 | 6 49 | 16 35 | 6 15 |
| W21 | 2 26 | 19 23 | 1 37 | 14 39 | 3 22 | 21 42 | 3 16 | 17 35 | 4 12 | 22 59 | 0 35 | 21 54 | 0 12 | 21 12 | 0 6 | 12 49 | 0 47 | 6 42 | 17 10 | 12 12 | 12 47 | 6 52 | 16 34 | 6 16 |
| T 22 | 2 50 | 13 51 | 0 21 | 14 50 | 3 24 | 22 2 | 3 20 | 17 28 | 4 7 | 22 58 | 0 35 | 21 54 | 0 12 | 21 12 | 0 6 | 12 49 | 0 47 | 6 43 | 17 10 | 12 12 | 12 48 | 6 55 | 16 33 | 6 16 |
| F 23 | 3 13 | 7 22 | 0s59 | 14 58 | 3 24 | 22 21 | 3 24 | 17 21 | 4 3 | 22 58 | 0 35 | 21 54 | 0 12 | 21 12 | 0 6 | 12 49 | 0 47 | 6 43 | 17 10 | 12 12 | 12 49 | 6 58 | 16 32 | 6 17 |
| S 24 | 3 37 | 0 22 | 2 16 | 15 2 | 3 24 | 22 40 | 3 28 | 17 14 | 3 58 | 22 57 | 0 35 | 21 53 | 0 12 | 21 12 | 0 6 | 12 50 | 0 47 | 6 44 | 17 10 | 12 13 | 12 50 | 7 2 | 16 31 | 6 18 |
| S 25 | 4 0 | 6s45 | 3 24 | 15 4 | 3 23 | 22 58 | 3 32 | 17 6 | 3 54 | 22 57 | 0 35 | 21 53 | 0 12 | 21 11 | 0 6 | 12 50 | 0 47 | 6 44 | 17 10 | 12 14 | 12 51 | 7 5 | 16 30 | 6 18 |
| M26 | 4 24 | 13 29 | 4 18 | 15 1 | 3 21 | 23 15 | 3 36 | 16 58 | 3 49 | 22 56 | 0 35 | 21 52 | 0 12 | 21 11 | 0 6 | 12 51 | 0 47 | 6 44 | 17 10 | 12 16 | 12 53 | 7 8 | 16 29 | 6 19 |
| T 27 | 4 47 | 19 21 | 4 53 | 14 55 | 3 17 | 23 32 | 3 40 | 16 50 | 3 45 | 22 56 | 0 35 | 21 52 | 0 12 | 21 11 | 0 6 | 12 51 | 0 47 | 6 45 | 17 10 | 12 19 | 12 54 | 7 11 | 16 29 | 6 19 |
| W28 | 5 10 | 23 54 | 5 8 | 14 45 | 3 12 | 23 49 | 3 43 | 16 42 | 3 40 | 22 55 | 0 35 | 21 52 | 0 12 | 21 11 | 0 6 | 12 51 | 0 47 | 6 45 | 17 10 | 12 21 | 12 55 | 7 15 | 16 28 | 6 20 |
| T 29 | 5 34 | 26 50 | 5 3 | 14 30 | 3 5 | 24 5 | 3 47 | 16 34 | 3 36 | 22 55 | 0 35 | 21 51 | 0 12 | 21 11 | 0 6 | 12 52 | 0 47 | 6 46 | 17 10 | 12 23 | 12 56 | 7 18 | 16 27 | 6 21 |
| F 30 | 5s57 | 27s58 | 4s39 | 14s10 | 2s57 | 24s20 | 3s50 | 16s25 | 3s31 | 22s54 | 0s35 | 21n51 | 0s11 | 21n10 | 0s 6 | 12s52 | 0s47 | 6s46 | 17s10 | 12s25 | 12s57 | 7n21 | 16n26 | 6s21 |

Julian Day Number = 2216580.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'01, Lahiri = 14°53'01 Julian Calendar 1 Sept. 1356 == Greg. Calendar 9 Sept. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## OCTOBER 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 11 39 | 16♎ 2'01 | 6♉12 | 29°R 2 | 2♐44 | 25♒37 | 18♉ 2 | 19♋58 | 5°R22 | 28°R13 | 23°R36 | 27°R23 | 25♒48 | 10♈17 | 14♋17 | S 1 |
| S 2 | 1 15 35 | 17° 1'42 | 19°12 | 28♎12 | 3°41 | 25°51 | 18° 7 | 20° 1 | 5♊20 | 28♒12 | 23♈35 | 27°D23 | 25°45 | 10°24 | 14°19 | S 2 |
| M 3 | 1 19 32 | 18° 1'24 | 1♒50 | 27°14 | 4°37 | 26° 6 | 18°13 | 20° 3 | 5°19 | 28°11 | 23°34 | 27♒23 | 25°42 | 10°31 | 14°20 | M 3 |
| T 4 | 1 23 29 | 19° 1'08 | 14° 9 | 26°10 | 5°34 | 26°22 | 18°18 | 20° 5 | 5°17 | 28°11 | 23°33 | 27°24 | 25°38 | 10°37 | 14°21 | T 4 |
| W 5 | 1 27 25 | 20° 0'54 | 26°14 | 24°59 | 6°29 | 26°39 | 18°24 | 20° 7 | 5°16 | 28°10 | 23°32 | 27°R25 | 25°35 | 10°44 | 14°23 | W 5 |
| T 6 | 1 31 22 | 21° 0'41 | 8♓11 | 23°45 | 7°25 | 26°55 | 18°29 | 20°10 | 5°14 | 28° 9 | 23°31 | 27°24 | 25°32 | 10°51 | 14°24 | T 6 |
| F 7 | 1 35 18 | 22° 0'30 | 20° 2 | 22°29 | 8°19 | 27°13 | 18°35 | 20°12 | 5°13 | 28° 8 | 23°29 | 27°22 | 25°29 | 10°57 | 14°25 | F 7 |
| S 8 | 1 39 15 | 23° 0'21 | 1♈51 | 21°14 | 9°13 | 27°31 | 18°41 | 20°13 | 5°11 | 28° 7 | 23°28 | 27°16 | 25°26 | 11° 4 | 14°26 | S 8 |
| S 9 | 1 43 11 | 24° 0'14 | 13°40 | 20° 1 | 10° 7 | 27°50 | 18°47 | 20°15 | 5° 9 | 28° 7 | 23°27 | 27° 9 | 25°22 | 11°11 | 14°26 | S 9 |
| M10 | 1 47 8 | 25° 0'09 | 25°33 | 18°53 | 10°59 | 28° 9 | 18°54 | 20°17 | 5° 8 | 28° 6 | 23°26 | 26°59 | 25°19 | 11°17 | 14°27 | M10 |
| T 11 | 1 51 4 | 26° 0'06 | 7♉30 | 17°52 | 11°52 | 28°28 | 19° 0 | 20°18 | 5° 6 | 28° 5 | 23°25 | 26°47 | 25°16 | 11°24 | 14°28 | T 11 |
| W12 | 1 55 1 | 27° 0'05 | 19°32 | 17° 0 | 12°43 | 28°49 | 19° 7 | 20°20 | 5° 4 | 28° 4 | 23°24 | 26°35 | 25°13 | 11°31 | 14°28 | W12 |
| T 13 | 1 58 58 | 28° 0'06 | 1♊41 | 16°18 | 13°34 | 29° 9 | 19°14 | 20°21 | 5° 2 | 28° 4 | 23°23 | 26°24 | 25°10 | 11°37 | 14°29 | T 13 |
| F 14 | 2 2 54 | 29° 0'09 | 13°59 | 15°47 | 14°24 | 29°30 | 19°21 | 20°22 | 5° 0 | 28° 3 | 23°21 | 26°15 | 25° 7 | 11°44 | 14°29 | F 14 |
| S 15 | 2 6 51 | 0♏ 0'14 | 26°28 | 15°28 | 15°13 | 29°52 | 19°28 | 20°24 | 4°58 | 28° 3 | 23°20 | 26° 7 | 25° 3 | 11°51 | 14°29 | S 15 |
| S 16 | 2 10 47 | 1° 0'21 | 9♋ 9 | 15°D20 | 16° 2 | 0♓14 | 19°36 | 20°25 | 4°56 | 28° 2 | 23°19 | 26° 2 | 25° 0 | 11°57 | 14°30 | S 16 |
| M17 | 2 14 44 | 2° 0'30 | 22° 6 | 15°23 | 16°50 | 0°36 | 19°43 | 20°25 | 4°54 | 28° 2 | 23°18 | 26° 0 | 24°57 | 12° 4 | 14°R30 | M17 |
| T 18 | 2 18 40 | 3° 0'42 | 5♌22 | 15°37 | 17°36 | 0°59 | 19°51 | 20°26 | 4°52 | 28° 1 | 23°17 | 26°D 0 | 24°54 | 12°11 | 14°30 | T 18 |
| W19 | 2 22 37 | 4° 0'55 | 19° 0 | 16° 2 | 18°22 | 1°23 | 19°59 | 20°27 | 4°50 | 28° 1 | 23°16 | 26°R 0 | 24°51 | 12°18 | 14°30 | W19 |
| T 20 | 2 26 33 | 5° 1'11 | 3♍ 2 | 16°36 | 19° 8 | 1°46 | 20° 7 | 20°27 | 4°48 | 28° 0 | 23°15 | 26° 0 | 24°48 | 12°24 | 14°29 | T 20 |
| F 21 | 2 30 30 | 6° 1'28 | 17°28 | 17°18 | 19°52 | 2°11 | 20°15 | 20°28 | 4°46 | 28° 0 | 23°14 | 25°58 | 24°44 | 12°31 | 14°29 | F 21 |
| S 22 | 2 34 27 | 7° 1'48 | 2♎15 | 18° 8 | 20°35 | 2°35 | 20°23 | 20°28 | 4°44 | 27°59 | 23°13 | 25°54 | 24°41 | 12°38 | 14°29 | S 22 |
| S 23 | 2 38 23 | 8° 2'09 | 17°19 | 19° 4 | 21°17 | 3° 0 | 20°31 | 20°28 | 4°42 | 27°59 | 23°11 | 25°47 | 24°38 | 12°44 | 14°28 | S 23 |
| M24 | 2 42 20 | 9° 2'33 | 2♏30 | 20° 7 | 21°58 | 3°25 | 20°40 | 20°R28 | 4°40 | 27°59 | 23°10 | 25°38 | 24°35 | 12°51 | 14°28 | M24 |
| T 25 | 2 46 16 | 10° 2'58 | 17°39 | 21°14 | 22°38 | 3°51 | 20°48 | 20°28 | 4°37 | 27°59 | 23° 9 | 25°27 | 24°32 | 12°58 | 14°27 | T 25 |
| W26 | 2 50 13 | 11° 3'25 | 2♐33 | 22°26 | 23°17 | 4°17 | 20°57 | 20°28 | 4°35 | 27°58 | 23° 8 | 25°15 | 24°28 | 13° 4 | 14°26 | W26 |
| T 27 | 2 54 9 | 12° 3'54 | 17° 6 | 23°41 | 23°54 | 4°44 | 21° 6 | 20°28 | 4°33 | 27°58 | 23° 7 | 25° 5 | 24°25 | 13°11 | 14°25 | T 27 |
| F 28 | 2 58 6 | 13° 4'24 | 1♑11 | 25° 0 | 24°31 | 5°11 | 21°15 | 20°28 | 4°31 | 27°58 | 23° 6 | 24°57 | 24°22 | 13°18 | 14°24 | F 28 |
| S 29 | 3 2 2 | 14° 4'55 | 14°46 | 26°22 | 25° 6 | 5°38 | 21°24 | 20°27 | 4°28 | 27°58 | 23° 5 | 24°51 | 24°19 | 13°24 | 14°23 | S 29 |
| S 30 | 3 5 59 | 15° 5'28 | 27°52 | 27°46 | 25°39 | 6° 5 | 21°34 | 20°27 | 4°26 | 27°58 | 23° 4 | 24°48 | 24°16 | 13°31 | 14°22 | S 30 |
| M31 | 3 9 56 | 16♏ 6'02 | 10♒32 | 29♎11 | 26♐11 | 6♓33 | 21♉43 | 20♋26 | 4♊24 | 27♒58 | 23♈ 3 | 24♒47 | 24♒13 | 13♈38 | 14♋21 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s20 | 27s23 | 4s 1 | 13s45 | 2s46 | 24s35 | 3s53 | 16s16 | 3s27 | 22s53 | 0s35 | 21n51 | 0s11 | 21n10 | 0s 6 | 12s52 | 0s47 | 6s47 | 17s10 | 12s25 | 12s58 | 7n24 | 16n25 | 6s22 |
| S 2 | 6 43 | 25 18 | 3 11 | 13 16 | 2 34 | 24 50 | 3 57 | 16 7 | 3 23 | 22 53 | 0 35 | 21 50 | 0 11 | 21 10 | 0 6 | 12 53 | 0 47 | 6 47 | 17 10 | 12 26 | 12 59 | 7 28 | 16 25 | 6 23 |
| M 3 | 7 6 | 21 59 | 2 13 | 12 42 | 2 20 | 25 4 | 4 0 | 15 58 | 3 19 | 22 52 | 0 35 | 21 50 | 0 11 | 21 10 | 0 6 | 12 53 | 0 47 | 6 48 | 17 10 | 12 25 | 13 0 | 7 31 | 16 24 | 6 23 |
| T 4 | 7 28 | 17 46 | 1 11 | 12 4 | 2 5 | 25 17 | 4 3 | 15 49 | 3 14 | 22 51 | 0 35 | 21 50 | 0 11 | 21 9 | 0 6 | 12 53 | 0 47 | 6 48 | 17 10 | 12 25 | 13 1 | 7 34 | 16 23 | 6 24 |
| W 5 | 7 51 | 12 55 | 0 6 | 11 22 | 1 47 | 25 30 | 4 5 | 15 39 | 3 10 | 22 50 | 0 35 | 21 50 | 0 11 | 21 9 | 0 6 | 12 54 | 0 47 | 6 48 | 17 10 | 12 25 | 13 2 | 7 37 | 16 22 | 6 25 |
| T 6 | 8 14 | 7 39 | 0n58 | 10 38 | 1 29 | 25 42 | 4 8 | 15 30 | 3 6 | 22 50 | 0 35 | 21 49 | 0 11 | 21 9 | 0 6 | 12 54 | 0 47 | 6 49 | 17 10 | 12 25 | 13 3 | 7 40 | 16 21 | 6 25 |
| F 7 | 8 36 | 2 9 | 1 58 | 9 51 | 1 9 | 25 54 | 4 11 | 15 20 | 3 2 | 22 49 | 0 35 | 21 49 | 0 11 | 21 9 | 0 6 | 12 54 | 0 47 | 6 49 | 17 10 | 12 26 | 13 4 | 7 44 | 16 21 | 6 26 |
| S 8 | 8 58 | 3n23 | 2 54 | 9 4 | 0 48 | 26 5 | 4 13 | 15 10 | 2 58 | 22 48 | 0 35 | 21 49 | 0 11 | 21 8 | 0 6 | 12 54 | 0 47 | 6 50 | 17 10 | 12 28 | 13 5 | 7 47 | 16 20 | 6 27 |
| S 9 | 9 21 | 8 49 | 3 41 | 8 17 | 0 28 | 26 16 | 4 16 | 15 0 | 2 54 | 22 47 | 0 35 | 21 49 | 0 11 | 21 8 | 0 6 | 12 55 | 0 47 | 6 50 | 17 10 | 12 30 | 13 7 | 7 50 | 16 19 | 6 27 |
| M10 | 9 43 | 13 56 | 4 20 | 7 32 | 0 7 | 26 26 | 4 18 | 14 49 | 2 50 | 22 46 | 0 35 | 21 49 | 0 11 | 21 8 | 0 6 | 12 55 | 0 47 | 6 50 | 17 10 | 12 34 | 13 8 | 7 53 | 16 18 | 6 28 |
| T 11 | 10 5 | 18 34 | 4 47 | 6 50 | 0n13 | 26 35 | 4 20 | 14 39 | 2 46 | 22 45 | 0 35 | 21 49 | 0 11 | 21 7 | 0 6 | 12 55 | 0 47 | 6 51 | 17 10 | 12 38 | 13 9 | 7 56 | 16 18 | 6 29 |
| W12 | 10 26 | 22 30 | 5 1 | 6 13 | 0 32 | 26 44 | 4 22 | 14 28 | 2 43 | 22 44 | 0 35 | 21 48 | 0 11 | 21 7 | 0 6 | 12 55 | 0 47 | 6 51 | 17 10 | 12 42 | 13 10 | 8 0 | 16 17 | 6 29 |
| T 13 | 10 48 | 25 30 | 5 2 | 5 40 | 0 50 | 26 52 | 4 24 | 14 17 | 2 39 | 22 43 | 0 35 | 21 48 | 0 10 | 21 7 | 0 6 | 12 56 | 0 47 | 6 51 | 17 10 | 12 46 | 13 11 | 8 3 | 16 16 | 6 30 |
| F 14 | 11 10 | 27 21 | 4 49 | 5 13 | 1 6 | 27 0 | 4 25 | 14 6 | 2 35 | 22 42 | 0 35 | 21 48 | 0 10 | 21 6 | 0 6 | 12 56 | 0 47 | 6 52 | 17 10 | 12 49 | 13 12 | 8 6 | 16 16 | 6 31 |
| S 15 | 11 31 | 27 51 | 4 22 | 4 52 | 1 20 | 27 7 | 4 26 | 13 55 | 2 31 | 22 41 | 0 35 | 21 48 | 0 10 | 21 6 | 0 6 | 12 56 | 0 47 | 6 52 | 17 10 | 12 51 | 13 13 | 8 9 | 16 15 | 6 31 |
| S 16 | 11 52 | 26 54 | 3 42 | 4 38 | 1 33 | 27 14 | 4 28 | 13 44 | 2 28 | 22 40 | 0 35 | 21 48 | 0 10 | 21 6 | 0 6 | 12 56 | 0 47 | 6 52 | 17 10 | 12 53 | 13 14 | 8 12 | 16 14 | 6 32 |
| M17 | 12 13 | 24 30 | 2 50 | 4 29 | 1 44 | 27 20 | 4 29 | 13 33 | 2 24 | 22 39 | 0 35 | 21 48 | 0 10 | 21 5 | 0 6 | 12 56 | 0 47 | 6 53 | 17 10 | 12 54 | 13 15 | 8 16 | 16 14 | 6 33 |
| T 18 | 12 34 | 20 44 | 1 47 | 4 26 | 1 53 | 27 25 | 4 29 | 13 21 | 2 21 | 22 38 | 0 35 | 21 48 | 0 10 | 21 5 | 0 6 | 12 56 | 0 47 | 6 53 | 17 10 | 12 54 | 13 16 | 8 19 | 16 13 | 6 33 |
| W19 | 12 54 | 15 46 | 0 37 | 4 28 | 2 1 | 27 30 | 4 30 | 13 10 | 2 17 | 22 37 | 0 35 | 21 48 | 0 10 | 21 5 | 0 6 | 12 57 | 0 47 | 6 53 | 17 10 | 12 54 | 13 17 | 8 22 | 16 12 | 6 34 |
| T 20 | 13 14 | 9 51 | 0s37 | 4 36 | 2 7 | 27 34 | 4 30 | 12 58 | 2 14 | 22 36 | 0 35 | 21 48 | 0 10 | 21 4 | 0 6 | 12 57 | 0 47 | 6 54 | 17 10 | 12 54 | 13 18 | 8 25 | 16 12 | 6 35 |
| F 21 | 13 35 | 3 16 | 1 51 | 4 48 | 2 11 | 27 38 | 4 31 | 12 46 | 2 10 | 22 35 | 0 35 | 21 48 | 0 10 | 21 4 | 0 6 | 12 57 | 0 47 | 6 54 | 17 10 | 12 54 | 13 19 | 8 28 | 16 11 | 6 35 |
| S 22 | 13 55 | 3s39 | 3 0 | 5 4 | 2 14 | 27 41 | 4 31 | 12 34 | 2 7 | 22 33 | 0 35 | 21 48 | 0 10 | 21 3 | 0 6 | 12 57 | 0 47 | 6 54 | 17 10 | 12 56 | 13 20 | 8 31 | 16 10 | 6 36 |
| S 23 | 14 14 | 10 28 | 3 57 | 5 24 | 2 16 | 27 44 | 4 30 | 12 22 | 2 4 | 22 32 | 0 35 | 21 48 | 0 10 | 21 3 | 0 6 | 12 57 | 0 47 | 6 55 | 17 10 | 12 58 | 13 21 | 8 35 | 16 10 | 6 37 |
| M24 | 14 34 | 16 43 | 4 37 | 5 47 | 2 16 | 27 46 | 4 30 | 12 10 | 2 1 | 22 31 | 0 35 | 21 48 | 0 10 | 21 3 | 0 6 | 12 57 | 0 47 | 6 55 | 17 9 | 13 1 | 13 23 | 8 38 | 16 9 | 6 37 |
| T 25 | 14 53 | 21 55 | 4 58 | 6 13 | 2 16 | 27 48 | 4 29 | 11 57 | 1 57 | 22 29 | 0 35 | 21 48 | 0 9 | 21 2 | 0 6 | 12 57 | 0 47 | 6 55 | 17 9 | 13 5 | 13 24 | 8 41 | 16 9 | 6 38 |
| W26 | 15 12 | 25 37 | 4 59 | 6 41 | 2 15 | 27 49 | 4 28 | 11 45 | 1 54 | 22 28 | 0 35 | 21 48 | 0 9 | 21 2 | 0 6 | 12 57 | 0 47 | 6 56 | 17 9 | 13 9 | 13 25 | 8 44 | 16 8 | 6 39 |
| T 27 | 15 31 | 27 32 | 4 40 | 7 11 | 2 12 | 27 49 | 4 26 | 11 32 | 1 51 | 22 27 | 0 35 | 21 48 | 0 9 | 21 1 | 0 6 | 12 57 | 0 47 | 6 56 | 17 9 | 13 12 | 13 26 | 8 47 | 16 8 | 6 39 |
| F 28 | 15 49 | 27 35 | 4 4 | 7 42 | 2 10 | 27 49 | 4 25 | 11 19 | 1 48 | 22 25 | 0 35 | 21 49 | 0 9 | 21 1 | 0 6 | 12 57 | 0 47 | 6 56 | 17 9 | 13 15 | 13 27 | 8 50 | 16 7 | 6 40 |
| S 29 | 16 7 | 25 56 | 3 15 | 8 15 | 2 6 | 27 49 | 4 23 | 11 7 | 1 45 | 22 24 | 0 35 | 21 49 | 0 9 | 21 1 | 0 6 | 12 57 | 0 47 | 6 56 | 17 9 | 13 17 | 13 28 | 8 54 | 16 7 | 6 40 |
| S 30 | 16 25 | 22 54 | 2 17 | 8 49 | 2 2 | 27 48 | 4 21 | 10 54 | 1 42 | 22 22 | 0 35 | 21 49 | 0 9 | 21 0 | 0 6 | 12 57 | 0 47 | 6 56 | 17 9 | 13 18 | 13 29 | 8 57 | 16 6 | 6 41 |
| M31 | 16s43 | 18s51 | 1s15 | 9s24 | 1n57 | 27s46 | 4s18 | 10s41 | 1s39 | 22s21 | 0s35 | 21n49 | 0s 9 | 21n 0 | 0s 6 | 12s57 | 0s47 | 6s57 | 17s 9 | 13s18 | 13s30 | 9n 0 | 16n 6 | 6s42 |

Julian Day Number = 2216610.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'05, Lahiri = 14°53'05 Julian Calendar 1 Oct. 1356 == Greg. Calendar 9 Oct. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## NOVEMBER 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 13 52 | 17♏ 6'37 | 22♒52 | 0♏39 | 26♐42 | 7♓ 1 | 21♑53 | 20°R25 | 4°R21 | 27°D58 | 23°R 2 | 24°R47 | 24♒ 9 | 13♈45 | 14°R20 | T 1 |
| W 2 | 3 17 49 | 18° 7'13 | 4♓56 | 2° 7 | 27°11 | 7°30 | 22° 2 | 20♋24 | 4♊19 | 27♒58 | 23♈ 1 | 24♒47 | 24° 6 | 13°51 | 14♋18 | W 2 |
| T 3 | 3 21 45 | 19° 7'51 | 16°50 | 3°37 | 27°38 | 7°58 | 22°12 | 20°23 | 4°16 | 27°58 | 23° 0 | 24°45 | 24° 3 | 13°58 | 14°17 | T 3 |
| F 4 | 3 25 42 | 20° 8'29 | 28°39 | 5° 8 | 28° 4 | 8°27 | 22°22 | 20°22 | 4°14 | 27°58 | 22°59 | 24°41 | 24° 0 | 14° 5 | 14°15 | F 4 |
| S 5 | 3 29 38 | 21° 9'09 | 10♈28 | 6°39 | 28°28 | 8°57 | 22°32 | 20°21 | 4°11 | 27°58 | 22°58 | 24°35 | 23°57 | 14°11 | 14°13 | S 5 |
| S 6 | 3 33 35 | 22° 9'51 | 22°20 | 8°11 | 28°50 | 9°26 | 22°42 | 20°19 | 4° 9 | 27°58 | 22°57 | 24°25 | 23°54 | 14°18 | 14°12 | S 6 |
| M 7 | 3 37 31 | 23°10'33 | 4♉17 | 9°43 | 29°10 | 9°56 | 22°52 | 20°18 | 4° 7 | 27°58 | 22°56 | 24°12 | 23°50 | 14°25 | 14°10 | M 7 |
| T 8 | 3 41 28 | 24°11'17 | 16°22 | 11°16 | 29°29 | 10°26 | 23° 3 | 20°16 | 4° 4 | 27°59 | 22°55 | 23°58 | 23°47 | 14°31 | 14° 8 | T 8 |
| W 9 | 3 45 25 | 25°12'02 | 28°35 | 12°49 | 29°45 | 10°56 | 23°13 | 20°15 | 4° 2 | 27°59 | 22°54 | 23°44 | 23°44 | 14°38 | 14° 6 | W 9 |
| T 10 | 3 49 21 | 26°12'49 | 10♊58 | 14°22 | 29°59 | 11°27 | 23°24 | 20°13 | 3°59 | 27°59 | 22°53 | 23°29 | 23°41 | 14°45 | 14° 4 | T 10 |
| F 11 | 3 53 18 | 27°13'36 | 23°31 | 15°56 | 0♑11 | 11°57 | 23°35 | 20°11 | 3°56 | 28° 0 | 22°52 | 23°17 | 23°38 | 14°51 | 14° 1 | F 11 |
| S 12 | 3 57 14 | 28°14'26 | 6♋13 | 17°29 | 0°21 | 12°28 | 23°45 | 20° 9 | 3°54 | 28° 0 | 22°51 | 23° 7 | 23°34 | 14°58 | 13°59 | S 12 |
| S 13 | 4 1 11 | 29°15'16 | 19° 7 | 19° 3 | 0°29 | 13° 0 | 23°56 | 20° 7 | 3°51 | 28° 0 | 22°50 | 23° 1 | 23°31 | 15° 5 | 13°57 | S 13 |
| M14 | 4 5 7 | 0♐16'08 | 2♌12 | 20°37 | 0°34 | 13°31 | 24° 7 | 20° 4 | 3°49 | 28° 1 | 22°50 | 22°57 | 23°28 | 15°12 | 13°54 | M14 |
| T 15 | 4 9 4 | 1°17'02 | 15°31 | 22°10 | 0°37 | 14° 3 | 24°18 | 20° 2 | 3°46 | 28° 1 | 22°49 | 22°56 | 23°25 | 15°18 | 13°52 | T 15 |
| W16 | 4 13 0 | 2°17'56 | 29° 5 | 23°44 | 0°R38 | 14°34 | 24°30 | 20° 0 | 3°44 | 28° 2 | 22°48 | 22°56 | 23°22 | 15°25 | 13°49 | W16 |
| T 17 | 4 16 57 | 3°18'52 | 12♍57 | 25°18 | 0°36 | 15° 6 | 24°41 | 19°57 | 3°41 | 28° 2 | 22°47 | 22°56 | 23°19 | 15°32 | 13°47 | T 17 |
| F 18 | 4 20 54 | 4°19'49 | 27° 6 | 26°52 | 0°31 | 15°39 | 24°52 | 19°55 | 3°39 | 28° 3 | 22°46 | 22°54 | 23°15 | 15°38 | 13°44 | F 18 |
| S 19 | 4 24 50 | 5°20'48 | 11♎33 | 28°25 | 0°25 | 16°11 | 25° 4 | 19°52 | 3°36 | 28° 4 | 22°45 | 22°50 | 23°12 | 15°45 | 13°41 | S 19 |
| S 20 | 4 28 47 | 6°21'48 | 26°14 | 29°59 | 0°15 | 16°44 | 25°15 | 19°49 | 3°34 | 28° 4 | 22°45 | 22°43 | 23° 9 | 15°52 | 13°38 | S 20 |
| M21 | 4 32 43 | 7°22'49 | 11♏ 3 | 1♐33 | 0° 4 | 17°16 | 25°27 | 19°46 | 3°31 | 28° 5 | 22°44 | 22°34 | 23° 6 | 15°58 | 13°35 | M21 |
| T 22 | 4 36 40 | 8°23'51 | 25°53 | 3° 7 | 29♐50 | 17°49 | 25°39 | 19°43 | 3°29 | 28° 6 | 22°43 | 22°22 | 23° 3 | 16° 5 | 13°32 | T 22 |
| W23 | 4 40 36 | 9°24'55 | 10♐35 | 4°41 | 29°33 | 18°22 | 25°51 | 19°40 | 3°26 | 28° 6 | 22°42 | 22°11 | 23° 0 | 16°12 | 13°29 | W23 |
| T 24 | 4 44 33 | 10°25'59 | 25° 0 | 6°15 | 29°14 | 18°56 | 26° 3 | 19°37 | 3°24 | 28° 7 | 22°42 | 22° 0 | 22°56 | 16°18 | 13°26 | T 24 |
| F 25 | 4 48 29 | 11°27'04 | 9♑ 3 | 7°49 | 28°53 | 19°29 | 26°15 | 19°34 | 3°21 | 28° 8 | 22°41 | 21°51 | 22°53 | 16°25 | 13°23 | F 25 |
| S 26 | 4 52 26 | 12°28'09 | 22°40 | 9°23 | 28°30 | 20° 3 | 26°27 | 19°30 | 3°18 | 28° 9 | 22°40 | 21°45 | 22°50 | 16°32 | 13°19 | S 26 |
| S 27 | 4 56 23 | 13°29'15 | 5♒49 | 10°57 | 28° 4 | 20°37 | 26°39 | 19°27 | 3°16 | 28°10 | 22°40 | 21°42 | 22°47 | 16°39 | 13°16 | S 27 |
| M28 | 5 0 19 | 14°30'21 | 18°34 | 12°32 | 27°37 | 21°11 | 26°51 | 19°23 | 3°14 | 28°10 | 22°39 | 21°D40 | 22°44 | 16°45 | 13°13 | M28 |
| T 29 | 5 4 16 | 15°31'28 | 0♓58 | 14° 6 | 27° 7 | 21°45 | 27° 4 | 19°20 | 3°11 | 28°11 | 22°38 | 21°41 | 22°40 | 16°52 | 13° 9 | T 29 |
| W30 | 5 8 12 | 16♐32'35 | 13♓ 5 | 15♐41 | 26♐36 | 22♓19 | 27♑16 | 19♋16 | 3♊ 9 | 28♒12 | 22♈38 | 21°R41 | 22♒37 | 16♈59 | 13♋ 6 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 0 | 14s 6 | 0s10 | 9s59 | 1n52 | 27s44 | 4s15 | 10s27 | 1s36 | 22s19 | 0s35 | 21n49 | 0s 9 | 20n59 | 0s 6 | 12s57 | 0s47 | 6s57 | 17s 8 | 13s18 | 13s31 | 9n 3 | 16n 5 | 6s42 |
| W 2 | 17 17 | 8 54 | 0n53 | 10 35 | 1 47 | 27 42 | 4 12 | 10 14 | 1 34 | 22 18 | 0 35 | 21 49 | 0 9 | 20 59 | 0 6 | 12 57 | 0 47 | 6 57 | 17 8 | 13 18 | 13 32 | 9 6 | 16 5 | 6 43 |
| T 3 | 17 34 | 3 28 | 1 54 | 11 11 | 1 41 | 27 38 | 4 8 | 10 1 | 1 31 | 22 16 | 0 35 | 21 50 | 0 9 | 20 58 | 0 6 | 12 57 | 0 47 | 6 57 | 17 8 | 13 19 | 13 33 | 9 9 | 16 4 | 6 44 |
| F 4 | 17 51 | 2n 3 | 2 49 | 11 47 | 1 35 | 27 35 | 4 4 | 9 47 | 1 28 | 22 15 | 0 35 | 21 50 | 0 9 | 20 58 | 0 6 | 12 57 | 0 47 | 6 58 | 17 8 | 13 20 | 13 34 | 9 12 | 16 4 | 6 44 |
| S 5 | 18 7 | 7 28 | 3 36 | 12 23 | 1 29 | 27 31 | 4 0 | 9 34 | 1 25 | 22 13 | 0 35 | 21 50 | 0 9 | 20 57 | 0 6 | 12 57 | 0 47 | 6 58 | 17 8 | 13 23 | 13 35 | 9 16 | 16 3 | 6 45 |
| S 6 | 18 22 | 12 39 | 4 14 | 12 59 | 1 23 | 27 26 | 3 55 | 9 20 | 1 23 | 22 11 | 0 35 | 21 51 | 0 8 | 20 57 | 0 6 | 12 57 | 0 47 | 6 58 | 17 8 | 13 26 | 13 36 | 9 19 | 16 3 | 6 45 |
| M 7 | 18 38 | 17 24 | 4 42 | 13 34 | 1 16 | 27 21 | 3 50 | 9 6 | 1 20 | 22 10 | 0 35 | 21 51 | 0 8 | 20 57 | 0 6 | 12 57 | 0 47 | 6 58 | 17 7 | 13 30 | 13 37 | 9 22 | 16 2 | 6 46 |
| T 8 | 18 53 | 21 31 | 4 57 | 14 10 | 1 10 | 27 16 | 3 44 | 8 53 | 1 17 | 22 8 | 0 35 | 21 51 | 0 8 | 20 56 | 0 6 | 12 57 | 0 47 | 6 58 | 17 7 | 13 35 | 13 38 | 9 25 | 16 2 | 6 46 |
| W 9 | 19 8 | 24 46 | 4 58 | 14 44 | 1 3 | 27 10 | 3 38 | 8 39 | 1 15 | 22 6 | 0 36 | 21 52 | 0 8 | 20 56 | 0 6 | 12 57 | 0 47 | 6 58 | 17 7 | 13 40 | 13 39 | 9 28 | 16 2 | 6 47 |
| T 10 | 19 22 | 26 53 | 4 46 | 15 19 | 0 56 | 27 3 | 3 32 | 8 25 | 1 12 | 22 4 | 0 36 | 21 52 | 0 8 | 20 55 | 0 6 | 12 57 | 0 47 | 6 58 | 17 7 | 13 44 | 13 40 | 9 31 | 16 1 | 6 48 |
| F 11 | 19 37 | 27 41 | 4 19 | 15 53 | 0 49 | 26 56 | 3 25 | 8 11 | 1 10 | 22 3 | 0 36 | 21 52 | 0 8 | 20 55 | 0 6 | 12 57 | 0 47 | 6 59 | 17 6 | 13 48 | 13 42 | 9 34 | 16 1 | 6 48 |
| S 12 | 19 50 | 27 2 | 3 40 | 16 26 | 0 42 | 26 49 | 3 18 | 7 57 | 1 7 | 22 1 | 0 36 | 21 53 | 0 8 | 20 54 | 0 6 | 12 56 | 0 47 | 6 59 | 17 6 | 13 51 | 13 43 | 9 38 | 16 1 | 6 49 |
| S 13 | 20 4 | 24 56 | 2 48 | 16 59 | 0 35 | 26 41 | 3 10 | 7 42 | 1 5 | 21 59 | 0 36 | 21 53 | 0 8 | 20 54 | 0 6 | 12 56 | 0 47 | 6 59 | 17 6 | 13 54 | 13 44 | 9 41 | 16 0 | 6 49 |
| M14 | 20 17 | 21 29 | 1 47 | 17 31 | 0 28 | 26 33 | 3 1 | 7 28 | 1 3 | 21 57 | 0 36 | 21 53 | 0 8 | 20 53 | 0 6 | 12 56 | 0 47 | 6 59 | 17 6 | 13 55 | 13 45 | 9 44 | 16 0 | 6 50 |
| T 15 | 20 29 | 16 52 | 0 39 | 18 2 | 0 21 | 26 24 | 2 52 | 7 14 | 1 0 | 21 55 | 0 36 | 21 54 | 0 8 | 20 53 | 0 6 | 12 56 | 0 47 | 6 59 | 17 6 | 13 55 | 13 46 | 9 47 | 16 0 | 6 50 |
| W16 | 20 42 | 11 20 | 0s32 | 18 33 | 0 14 | 26 14 | 2 43 | 6 59 | 0 58 | 21 53 | 0 36 | 21 54 | 0 7 | 20 52 | 0 6 | 12 56 | 0 47 | 6 59 | 17 5 | 13 55 | 13 47 | 9 50 | 15 59 | 6 51 |
| T 17 | 20 54 | 5 8 | 1 44 | 19 2 | 0 7 | 26 5 | 2 33 | 6 45 | 0 56 | 21 51 | 0 36 | 21 55 | 0 7 | 20 52 | 0 6 | 12 56 | 0 47 | 6 59 | 17 5 | 13 55 | 13 48 | 9 53 | 15 59 | 6 51 |
| F 18 | 21 5 | 1s27 | 2 50 | 19 31 | 0 1 | 25 54 | 2 23 | 6 30 | 0 54 | 21 49 | 0 36 | 21 55 | 0 7 | 20 51 | 0 6 | 12 55 | 0 47 | 6 59 | 17 5 | 13 56 | 13 49 | 9 56 | 15 59 | 6 52 |
| S 19 | 21 16 | 8 4 | 3 47 | 19 59 | 0s 6 | 25 43 | 2 12 | 6 16 | 0 51 | 21 47 | 0 36 | 21 56 | 0 7 | 20 51 | 0 6 | 12 55 | 0 47 | 6 59 | 17 5 | 13 57 | 13 50 | 9 59 | 15 59 | 6 52 |
| S 20 | 21 27 | 14 21 | 4 30 | 20 26 | 0 13 | 25 32 | 2 0 | 6 1 | 0 49 | 21 45 | 0 36 | 21 56 | 0 7 | 20 51 | 0 6 | 12 55 | 0 47 | 6 59 | 17 4 | 13 59 | 13 51 | 10 2 | 15 59 | 6 53 |
| M21 | 21 37 | 19 52 | 4 55 | 20 52 | 0 20 | 25 20 | 1 48 | 5 46 | 0 47 | 21 43 | 0 36 | 21 57 | 0 7 | 20 50 | 0 6 | 12 55 | 0 47 | 6 59 | 17 4 | 14 3 | 13 52 | 10 5 | 15 58 | 6 53 |
| T 22 | 21 47 | 24 9 | 5 0 | 21 17 | 0 26 | 25 8 | 1 36 | 5 31 | 0 45 | 21 40 | 0 36 | 21 57 | 0 7 | 20 50 | 0 6 | 12 54 | 0 47 | 6 59 | 17 4 | 14 6 | 13 53 | 10 9 | 15 58 | 6 54 |
| W23 | 21 57 | 26 50 | 4 46 | 21 41 | 0 33 | 24 55 | 1 23 | 5 16 | 0 43 | 21 38 | 0 36 | 21 58 | 0 7 | 20 49 | 0 6 | 12 54 | 0 47 | 6 59 | 17 4 | 14 10 | 13 54 | 10 12 | 15 58 | 6 54 |
| T 24 | 22 6 | 27 39 | 4 13 | 22 4 | 0 39 | 24 41 | 1 10 | 5 1 | 0 41 | 21 36 | 0 36 | 21 58 | 0 7 | 20 49 | 0 6 | 12 54 | 0 47 | 6 59 | 17 3 | 14 14 | 13 55 | 10 15 | 15 58 | 6 55 |
| F 25 | 22 14 | 26 38 | 3 26 | 22 26 | 0 45 | 24 27 | 0 56 | 4 46 | 0 39 | 21 34 | 0 36 | 21 59 | 0 7 | 20 48 | 0 6 | 12 54 | 0 47 | 6 59 | 17 3 | 14 16 | 13 56 | 10 18 | 15 58 | 6 55 |
| S 26 | 22 22 | 24 2 | 2 28 | 22 47 | 0 51 | 24 13 | 0 42 | 4 31 | 0 37 | 21 31 | 0 36 | 22 0 | 0 7 | 20 48 | 0 6 | 12 53 | 0 46 | 6 59 | 17 3 | 14 18 | 13 57 | 10 21 | 15 58 | 6 56 |
| S 27 | 22 30 | 20 14 | 1 23 | 23 7 | 0 57 | 23 58 | 0 27 | 4 16 | 0 35 | 21 29 | 0 36 | 22 0 | 0 6 | 20 47 | 0 6 | 12 53 | 0 46 | 6 59 | 17 2 | 14 19 | 13 58 | 10 24 | 15 57 | 6 56 |
| M28 | 22 37 | 15 35 | 0 17 | 23 25 | 1 3 | 23 43 | 0 12 | 4 1 | 0 33 | 21 27 | 0 36 | 22 1 | 0 6 | 20 47 | 0 6 | 12 53 | 0 46 | 6 59 | 17 2 | 14 20 | 13 59 | 10 27 | 15 57 | 6 57 |
| T 29 | 22 44 | 10 24 | 0n49 | 23 43 | 1 9 | 23 27 | 0n 3 | 3 46 | 0 31 | 21 24 | 0 36 | 22 1 | 0 6 | 20 46 | 0 6 | 12 52 | 0 46 | 6 59 | 17 2 | 14 20 | 14 0 | 10 30 | 15 57 | 6 57 |
| W30 | 22s50 | 4s57 | 1n51 | 23s59 | 1s14 | 23s11 | 0n18 | 3s31 | 0s30 | 21s22 | 0s36 | 22n 2 | 0s 6 | 20n46 | 0s 6 | 12s52 | 0s46 | 6s59 | 17s 1 | 14s20 | 14s 1 | 10n33 | 15n57 | 6s57 |

Julian Day Number = 2216641.5, Delta T = 08m59s
Ecliptic obliquity = 23°31'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'09, Lahiri = 14°53'09 Julian Calendar 1 Nov. 1356 == Greg. Calendar 9 Nov. 1356


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# ASTRODIENST EPHEMERIS for the year 1356
# geocentric

## DECEMBER 1356 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 12 9 | 17♐33'42 | 25♓ 1 | 17♐16 | 26°R 4 | 22♓53 | 27♑29 | 19°R12 | 3°R 6 | 28♒13 | 22°R37 | 21°R41 | 22♒34 | 17♈ 5 | 13°R 2 | T 1 |
| F 2 | 5 16 5 | 18°34'49 | 6♈51 | 18°50 | 25♐30 | 23°28 | 27°41 | 19♋ 8 | 3♊ 4 | 28°14 | 22♈36 | 21♒39 | 22°31 | 17°12 | 12♋58 | F 2 |
| S 3 | 5 20 2 | 19°35'57 | 18°41 | 20°25 | 24°55 | 24° 2 | 27°54 | 19° 4 | 3° 1 | 28°16 | 22°36 | 21°35 | 22°28 | 17°19 | 12°55 | S 3 |
| S 4 | 5 23 58 | 20°37'05 | 0♉35 | 22° 1 | 24°19 | 24°37 | 28° 7 | 19° 0 | 2°59 | 28°17 | 22°35 | 21°28 | 22°25 | 17°25 | 12°51 | S 4 |
| M 5 | 5 27 55 | 21°38'14 | 12°36 | 23°36 | 23°43 | 25°12 | 28°19 | 18°56 | 2°56 | 28°18 | 22°35 | 21°19 | 22°21 | 17°32 | 12°47 | M 5 |
| T 6 | 5 31 52 | 22°39'22 | 24°49 | 25°12 | 23° 6 | 25°47 | 28°32 | 18°52 | 2°54 | 28°19 | 22°34 | 21° 8 | 22°18 | 17°39 | 12°43 | T 6 |
| W 7 | 5 35 48 | 23°40'31 | 7♊14 | 26°48 | 22°30 | 26°22 | 28°45 | 18°48 | 2°52 | 28°20 | 22°34 | 20°57 | 22°15 | 17°46 | 12°39 | W 7 |
| T 8 | 5 39 45 | 24°41'40 | 19°52 | 28°24 | 21°53 | 26°57 | 28°58 | 18°44 | 2°49 | 28°21 | 22°33 | 20°46 | 22°12 | 17°52 | 12°36 | T 8 |
| F 9 | 5 43 41 | 25°42'49 | 2♋43 | 0♑ 0 | 21°17 | 27°33 | 29°11 | 18°39 | 2°47 | 28°23 | 22°33 | 20°36 | 22° 9 | 17°59 | 12°32 | F 9 |
| S 10 | 5 47 38 | 26°43'59 | 15°46 | 1°37 | 20°42 | 28° 8 | 29°24 | 18°35 | 2°45 | 28°24 | 22°33 | 20°29 | 22° 6 | 18° 6 | 12°28 | S 10 |
| S 11 | 5 51 34 | 27°45'09 | 29° 1 | 3°14 | 20° 8 | 28°43 | 29°38 | 18°31 | 2°43 | 28°25 | 22°32 | 20°24 | 22° 2 | 18°12 | 12°24 | S 11 |
| M12 | 5 55 31 | 28°46'19 | 12♌26 | 4°51 | 19°34 | 29°19 | 29°51 | 18°26 | 2°40 | 28°27 | 22°32 | 20°22 | 21°59 | 18°19 | 12°20 | M12 |
| T 13 | 5 59 28 | 29°47'30 | 26° 2 | 6°28 | 19° 3 | 29°55 | 0♒ 4 | 18°22 | 2°38 | 28°28 | 22°31 | 20°D22 | 21°56 | 18°26 | 12°15 | T 13 |
| W14 | 6 3 24 | 0♑48'41 | 9♍47 | 8° 6 | 18°32 | 0♈30 | 0°17 | 18°17 | 2°36 | 28°29 | 22°31 | 20°23 | 21°53 | 18°32 | 12°11 | W14 |
| T 15 | 6 7 21 | 1°49'52 | 23°41 | 9°44 | 18° 4 | 1° 6 | 0°31 | 18°12 | 2°34 | 28°31 | 22°31 | 20°24 | 21°50 | 18°39 | 12° 7 | T 15 |
| F 16 | 6 11 17 | 2°51'03 | 7♎45 | 11°22 | 17°38 | 1°42 | 0°44 | 18° 8 | 2°32 | 28°32 | 22°31 | 20°R24 | 21°46 | 18°46 | 12° 3 | F 16 |
| S 17 | 6 15 14 | 3°52'15 | 21°57 | 13° 0 | 17°13 | 2°18 | 0°58 | 18° 3 | 2°30 | 28°34 | 22°30 | 20°22 | 21°43 | 18°53 | 11°59 | S 17 |
| S 18 | 6 19 10 | 4°53'27 | 6♏16 | 14°39 | 16°51 | 2°54 | 1°11 | 17°58 | 2°28 | 28°35 | 22°30 | 20°19 | 21°40 | 18°59 | 11°55 | S 18 |
| M19 | 6 23 7 | 5°54'39 | 20°38 | 16°17 | 16°31 | 3°31 | 1°25 | 17°53 | 2°26 | 28°37 | 22°30 | 20°13 | 21°37 | 19° 6 | 11°50 | M19 |
| T 20 | 6 27 3 | 6°55'51 | 4♐59 | 17°56 | 16°14 | 4° 7 | 1°38 | 17°49 | 2°24 | 28°38 | 22°30 | 20° 6 | 21°34 | 19°13 | 11°46 | T 20 |
| W21 | 6 31 0 | 7°57'04 | 19°13 | 19°34 | 15°59 | 4°43 | 1°52 | 17°44 | 2°22 | 28°40 | 22°29 | 19°59 | 21°31 | 19°19 | 11°42 | W21 |
| T 22 | 6 34 57 | 8°58'16 | 3♑16 | 21°13 | 15°46 | 5°20 | 2° 6 | 17°39 | 2°20 | 28°41 | 22°29 | 19°52 | 21°27 | 19°26 | 11°38 | T 22 |
| F 23 | 6 38 53 | 9°59'28 | 17° 2 | 22°51 | 15°36 | 5°56 | 2°20 | 17°34 | 2°18 | 28°43 | 22°29 | 19°47 | 21°24 | 19°33 | 11°33 | F 23 |
| S 24 | 6 42 50 | 11° 0'40 | 0♒28 | 24°28 | 15°29 | 6°33 | 2°33 | 17°29 | 2°16 | 28°45 | 22°29 | 19°43 | 21°21 | 19°39 | 11°29 | S 24 |
| S 25 | 6 46 46 | 12° 1'51 | 13°32 | 26° 5 | 15°23 | 7°10 | 2°47 | 17°24 | 2°14 | 28°46 | 22°29 | 19°D41 | 21°18 | 19°46 | 11°25 | S 25 |
| M26 | 6 50 43 | 13° 3'01 | 26°16 | 27°42 | 15°21 | 7°46 | 3° 1 | 17°19 | 2°13 | 28°48 | 22°29 | 19°41 | 21°15 | 19°53 | 11°21 | M26 |
| T 27 | 6 54 39 | 14° 4'11 | 8♓41 | 29°17 | 15°D20 | 8°23 | 3°15 | 17°14 | 2°11 | 28°50 | 22°29 | 19°43 | 21°12 | 20° 0 | 11°16 | T 27 |
| W28 | 6 58 36 | 15° 5'21 | 20°50 | 0♒51 | 15°23 | 9° 0 | 3°29 | 17° 9 | 2° 9 | 28°52 | 22°29 | 19°44 | 21° 8 | 20° 6 | 11°12 | W28 |
| T 29 | 7 2 32 | 16° 6'29 | 2♈49 | 2°24 | 15°27 | 9°37 | 3°43 | 17° 4 | 2° 8 | 28°53 | 22°D29 | 19°46 | 21° 5 | 20°13 | 11° 8 | T 29 |
| F 30 | 7 6 29 | 17° 7'37 | 14°41 | 3°54 | 15°34 | 10°14 | 3°57 | 16°59 | 2° 6 | 28°55 | 22°29 | 19°R47 | 21° 2 | 20°20 | 11° 4 | F 30 |
| S 31 | 7 10 26 | 18♑ 8'44 | 26♈32 | 5♒22 | 15♐43 | 10♈51 | 4♒11 | 16♋55 | 2♊ 4 | 28♒57 | 22♈29 | 19♒47 | 20♒59 | 20♈26 | 10♋59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 0n35 | 2n48 | 24s14 | 1s19 | 22s54 | 0n34 | 3s15 | 0s28 | 21s20 | 0s36 | 22n 3 | 0s 6 | 20n45 | 0s 6 | 12s52 | 0s46 | 6s59 | 17s 1 | 14s20 | 14s 2 | 10n36 | 15n57 | 6s58 |
| F 2 | 23 2 | 6 2 | 3 37 | 24 27 | 1 24 | 22 38 | 0 49 | 3 0 | 0 26 | 21 17 | 0 36 | 22 3 | 0 6 | 20 45 | 0 6 | 12 51 | 0 46 | 6 59 | 17 1 | 14 20 | 14 3 | 10 39 | 15 57 | 6 58 |
| S 3 | 23 7 | 11 17 | 4 16 | 24 40 | 1 29 | 22 21 | 1 5 | 2 45 | 0 24 | 21 15 | 0 36 | 22 4 | 0 6 | 20 44 | 0 6 | 12 51 | 0 46 | 6 59 | 17 1 | 14 22 | 14 4 | 10 42 | 15 57 | 6 58 |
| S 4 | 23 11 | 16 9 | 4 44 | 24 51 | 1 34 | 22 4 | 1 20 | 2 29 | 0 22 | 21 12 | 0 36 | 22 5 | 0 6 | 20 44 | 0 6 | 12 50 | 0 46 | 6 59 | 17 0 | 14 24 | 14 6 | 10 45 | 15 57 | 6 59 |
| M 5 | 23 16 | 20 26 | 5 0 | 25 0 | 1 38 | 21 47 | 1 36 | 2 14 | 0 21 | 21 10 | 0 36 | 22 5 | 0 6 | 20 44 | 0 6 | 12 50 | 0 46 | 6 59 | 17 0 | 14 27 | 14 7 | 10 49 | 15 57 | 6 59 |
| T 6 | 23 19 | 23 56 | 5 3 | 25 8 | 1 42 | 21 29 | 1 51 | 1 58 | 0 19 | 21 7 | 0 36 | 22 6 | 0 5 | 20 43 | 0 6 | 12 50 | 0 46 | 6 59 | 17 0 | 14 30 | 14 8 | 10 52 | 15 57 | 6 59 |
| W 7 | 23 22 | 26 23 | 4 52 | 25 15 | 1 46 | 21 12 | 2 7 | 1 43 | 0 17 | 21 4 | 0 36 | 22 7 | 0 5 | 20 43 | 0 6 | 12 49 | 0 46 | 6 58 | 16 59 | 14 34 | 14 9 | 10 55 | 15 57 | 7 0 |
| T 8 | 23 25 | 27 34 | 4 26 | 25 21 | 1 50 | 20 55 | 2 22 | 1 27 | 0 16 | 21 2 | 0 36 | 22 7 | 0 5 | 20 42 | 0 6 | 12 49 | 0 46 | 6 58 | 16 59 | 14 37 | 14 10 | 10 58 | 15 57 | 7 0 |
| F 9 | 23 27 | 27 16 | 3 47 | 25 25 | 1 53 | 20 38 | 2 36 | 1 12 | 0 14 | 20 59 | 0 36 | 22 8 | 0 5 | 20 42 | 0 6 | 12 48 | 0 46 | 6 58 | 16 59 | 14 40 | 14 11 | 11 1 | 15 57 | 7 0 |
| S 10 | 23 29 | 25 29 | 2 54 | 25 27 | 1 56 | 20 22 | 2 50 | 0 56 | 0 13 | 20 56 | 0 36 | 22 9 | 0 5 | 20 41 | 0 6 | 12 48 | 0 46 | 6 58 | 16 58 | 14 43 | 14 12 | 11 4 | 15 57 | 7 1 |
| S 11 | 23 30 | 22 15 | 1 52 | 25 28 | 1 59 | 20 6 | 3 4 | 0 41 | 0 11 | 20 54 | 0 36 | 22 10 | 0 5 | 20 41 | 0 6 | 12 47 | 0 46 | 6 58 | 16 58 | 14 44 | 14 13 | 11 7 | 15 58 | 7 1 |
| M12 | 23 31 | 17 49 | 0 42 | 25 28 | 2 2 | 19 50 | 3 17 | 0 25 | 0 10 | 20 51 | 0 36 | 22 10 | 0 5 | 20 40 | 0 6 | 12 47 | 0 46 | 6 58 | 16 58 | 14 45 | 14 14 | 11 10 | 15 58 | 7 1 |
| T 13 | 23 31 | 12 25 | 0s30 | 25 25 | 2 4 | 19 35 | 3 30 | 0 9 | 0 8 | 20 48 | 0 36 | 22 11 | 0 5 | 20 40 | 0 6 | 12 46 | 0 46 | 6 57 | 16 57 | 14 45 | 14 15 | 11 13 | 15 58 | 7 1 |
| W14 | 23 31 | 6 21 | 1 43 | 25 22 | 2 5 | 19 20 | 3 42 | 0n 6 | 0 7 | 20 45 | 0 36 | 22 12 | 0 5 | 20 40 | 0 6 | 12 46 | 0 46 | 6 57 | 16 57 | 14 45 | 14 16 | 11 16 | 15 58 | 7 2 |
| T 15 | 23 31 | 0s 5 | 2 50 | 25 16 | 2 7 | 19 6 | 3 54 | 0 22 | 0 5 | 20 42 | 0 36 | 22 12 | 0 5 | 20 39 | 0 6 | 12 45 | 0 46 | 6 57 | 16 57 | 14 44 | 14 17 | 11 19 | 15 58 | 7 2 |
| F 16 | 23 30 | 6 34 | 3 47 | 25 9 | 2 8 | 18 53 | 4 5 | 0 38 | 0 4 | 20 39 | 0 36 | 22 13 | 0 4 | 20 39 | 0 6 | 12 45 | 0 46 | 6 57 | 16 56 | 14 44 | 14 18 | 11 22 | 15 58 | 7 2 |
| S 17 | 23 28 | 12 46 | 4 31 | 25 1 | 2 8 | 18 41 | 4 15 | 0 53 | 0 2 | 20 37 | 0 37 | 22 14 | 0 4 | 20 38 | 0 6 | 12 44 | 0 46 | 6 57 | 16 56 | 14 45 | 14 19 | 11 25 | 15 58 | 7 2 |
| S 18 | 23 26 | 18 21 | 4 59 | 24 50 | 2 8 | 18 29 | 4 25 | 1 9 | 0 1 | 20 34 | 0 37 | 22 15 | 0 4 | 20 38 | 0 6 | 12 44 | 0 46 | 6 56 | 16 56 | 14 46 | 14 20 | 11 28 | 15 59 | 7 2 |
| M19 | 23 24 | 22 55 | 5 8 | 24 38 | 2 8 | 18 18 | 4 34 | 1 25 | 0n 1 | 20 31 | 0 37 | 22 15 | 0 4 | 20 38 | 0 6 | 12 43 | 0 46 | 6 56 | 16 55 | 14 48 | 14 21 | 11 31 | 15 59 | 7 2 |
| T 20 | 23 21 | 26 5 | 4 58 | 24 25 | 2 7 | 18 8 | 4 42 | 1 40 | 0 2 | 20 28 | 0 37 | 22 16 | 0 4 | 20 37 | 0 6 | 12 43 | 0 46 | 6 56 | 16 55 | 14 50 | 14 22 | 11 34 | 15 59 | 7 3 |
| W21 | 23 17 | 27 34 | 4 29 | 24 10 | 2 5 | 17 59 | 4 50 | 1 56 | 0 3 | 20 25 | 0 37 | 22 17 | 0 4 | 20 37 | 0 6 | 12 42 | 0 46 | 6 56 | 16 54 | 14 52 | 14 23 | 11 37 | 15 59 | 7 3 |
| T 22 | 23 13 | 27 14 | 3 45 | 23 53 | 2 3 | 17 51 | 4 57 | 2 12 | 0 5 | 20 22 | 0 37 | 22 18 | 0 4 | 20 37 | 0 6 | 12 42 | 0 46 | 6 55 | 16 54 | 14 54 | 14 24 | 11 40 | 16 0 | 7 3 |
| F 23 | 23 9 | 25 13 | 2 48 | 23 34 | 2 1 | 17 43 | 5 3 | 2 27 | 0 6 | 20 19 | 0 37 | 22 18 | 0 4 | 20 36 | 0 6 | 12 41 | 0 46 | 6 55 | 16 54 | 14 56 | 14 25 | 11 43 | 16 0 | 7 3 |
| S 24 | 23 4 | 21 48 | 1 43 | 23 14 | 1 58 | 17 37 | 5 9 | 2 43 | 0 7 | 20 15 | 0 37 | 22 19 | 0 4 | 20 36 | 0 6 | 12 40 | 0 46 | 6 55 | 16 53 | 14 57 | 14 26 | 11 46 | 16 0 | 7 3 |
| S 25 | 22 59 | 17 21 | 0 33 | 22 52 | 1 54 | 17 31 | 5 14 | 2 59 | 0 8 | 20 12 | 0 37 | 22 20 | 0 3 | 20 35 | 0 6 | 12 40 | 0 46 | 6 54 | 16 53 | 14 58 | 14 27 | 11 49 | 16 0 | 7 3 |
| M26 | 22 53 | 12 15 | 0n36 | 22 29 | 1 49 | 17 26 | 5 19 | 3 14 | 0 10 | 20 9 | 0 37 | 22 21 | 0 3 | 20 35 | 0 6 | 12 39 | 0 46 | 6 54 | 16 53 | 14 58 | 14 28 | 11 52 | 16 1 | 7 3 |
| T 27 | 22 47 | 6 46 | 1 42 | 22 4 | 1 44 | 17 22 | 5 23 | 3 30 | 0 11 | 20 6 | 0 37 | 22 21 | 0 3 | 20 35 | 0 6 | 12 39 | 0 46 | 6 54 | 16 52 | 14 57 | 14 29 | 11 55 | 16 1 | 7 3 |
| W28 | 22 40 | 1 10 | 2 42 | 21 38 | 1 38 | 17 19 | 5 26 | 3 46 | 0 12 | 20 3 | 0 37 | 22 22 | 0 3 | 20 35 | 0 6 | 12 38 | 0 46 | 6 53 | 16 52 | 14 57 | 14 30 | 11 58 | 16 1 | 7 3 |
| T 29 | 22 33 | 4n23 | 3 34 | 21 11 | 1 31 | 17 16 | 5 29 | 4 1 | 0 13 | 20 0 | 0 37 | 22 23 | 0 3 | 20 34 | 0 6 | 12 37 | 0 46 | 6 53 | 16 52 | 14 56 | 14 31 | 12 1 | 16 2 | 7 3 |
| F 30 | 22 25 | 9 44 | 4 16 | 20 42 | 1 24 | 17 14 | 5 32 | 4 17 | 0 14 | 19 56 | 0 37 | 22 24 | 0 3 | 20 34 | 0 6 | 12 37 | 0 46 | 6 53 | 16 51 | 14 56 | 14 32 | 12 4 | 16 2 | 7 3 |
| S 31 | 22s17 | 14n44 | 4n48 | 20s12 | 1s15 | 17s13 | 5n34 | 4n33 | 0n15 | 19s53 | 0s37 | 22n24 | 0s 3 | 20n34 | 0s 6 | 12s36 | 0s46 | 6s52 | 16s51 | 14s56 | 14s33 | 12n 7 | 16n 2 | 7s 3 |

Julian Day Number = 2216671.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'29, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'13, Lahiri = 14°53'14 Julian Calendar 1 Dec. 1356 == Greg. Calendar 9 Dec. 1356


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## JANUARY 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 14 22 | 19♉ 9'50 | 8♉27 | 6♒47 | 15♐54 | 11♈28 | 4♒25 | 16°R50 | 2°R 3 | 28♒59 | 22♈29 | 19°R45 | 20♒56 | 20♈33 | 10°R55 | S 1 |
| M 2 | 7 18 19 | 20°10'55 | 20°30 | 8° 9 | 16° 8 | 12° 5 | 4°39 | 16♋45 | 2♊ 1 | 29° 1 | 22°29 | 19♒42 | 20°52 | 20°40 | 10♋51 | M 2 |
| T 3 | 7 22 15 | 21°11'59 | 2♊46 | 9°27 | 16°24 | 12°42 | 4°53 | 16°40 | 2° 0 | 29° 3 | 22°29 | 19°37 | 20°49 | 20°47 | 10°47 | T 3 |
| W 4 | 7 26 12 | 22°13'03 | 15°17 | 10°40 | 16°41 | 13°20 | 5° 7 | 16°35 | 1°59 | 29° 4 | 22°29 | 19°33 | 20°46 | 20°53 | 10°43 | W 4 |
| T 5 | 7 30 8 | 23°14'05 | 28° 6 | 11°48 | 17° 1 | 13°57 | 5°22 | 16°30 | 1°57 | 29° 6 | 22°29 | 19°28 | 20°43 | 21° 0 | 10°38 | T 5 |
| F 6 | 7 34 5 | 24°15'07 | 11♋13 | 12°49 | 17°22 | 14°34 | 5°36 | 16°25 | 1°56 | 29° 8 | 22°29 | 19°24 | 20°40 | 21° 7 | 10°34 | F 6 |
| S 7 | 7 38 2 | 25°16'07 | 24°37 | 13°43 | 17°46 | 15°12 | 5°50 | 16°20 | 1°55 | 29°10 | 22°30 | 19°21 | 20°37 | 21°13 | 10°30 | S 7 |
| S 8 | 7 41 58 | 26°17'07 | 8♌17 | 14°30 | 18°11 | 15°49 | 6° 4 | 16°15 | 1°54 | 29°12 | 22°30 | 19°19 | 20°33 | 21°20 | 10°26 | S 8 |
| M 9 | 7 45 55 | 27°18'06 | 22°10 | 15° 7 | 18°38 | 16°26 | 6°18 | 16°10 | 1°52 | 29°14 | 22°30 | 19°D19 | 20°30 | 21°27 | 10°22 | M 9 |
| T 10 | 7 49 51 | 28°19'04 | 6♍12 | 15°35 | 19° 7 | 17° 4 | 6°33 | 16° 6 | 1°51 | 29°16 | 22°30 | 19°20 | 20°27 | 21°33 | 10°18 | T 10 |
| W11 | 7 53 48 | 29°20'02 | 20°21 | 15°53 | 19°37 | 17°41 | 6°47 | 16° 1 | 1°50 | 29°18 | 22°31 | 19°21 | 20°24 | 21°40 | 10°14 | W11 |
| T 12 | 7 57 44 | 0♒20'58 | 4♎34 | 16°R 0 | 20° 9 | 18°19 | 7° 1 | 15°56 | 1°49 | 29°20 | 22°31 | 19°22 | 20°21 | 21°47 | 10°10 | T 12 |
| F 13 | 8 1 41 | 1°21'54 | 18°47 | 15°56 | 20°42 | 18°56 | 7°16 | 15°51 | 1°48 | 29°22 | 22°31 | 19°24 | 20°18 | 21°54 | 10° 6 | F 13 |
| S 14 | 8 5 37 | 2°22'49 | 2♏58 | 15°41 | 21°17 | 19°34 | 7°30 | 15°47 | 1°47 | 29°24 | 22°32 | 19°R24 | 20°14 | 22° 0 | 10° 2 | S 14 |
| S 15 | 8 9 34 | 3°23'43 | 17° 6 | 15°14 | 21°53 | 20°12 | 7°44 | 15°42 | 1°47 | 29°26 | 22°32 | 19°23 | 20°11 | 22° 7 | 9°59 | S 15 |
| M16 | 8 13 31 | 4°24'37 | 1♐ 8 | 14°37 | 22°30 | 20°49 | 7°59 | 15°38 | 1°46 | 29°29 | 22°32 | 19°22 | 20° 8 | 22°14 | 9°55 | M16 |
| T 17 | 8 17 27 | 5°25'30 | 15° 2 | 13°50 | 23° 9 | 21°27 | 8°13 | 15°33 | 1°45 | 29°31 | 22°33 | 19°21 | 20° 5 | 22°20 | 9°51 | T 17 |
| W18 | 8 21 24 | 6°26'21 | 28°47 | 12°55 | 23°49 | 22° 5 | 8°27 | 15°29 | 1°44 | 29°33 | 22°33 | 19°19 | 20° 2 | 22°27 | 9°48 | W18 |
| T 19 | 8 25 20 | 7°27'12 | 12♑21 | 11°53 | 24°30 | 22°43 | 8°42 | 15°24 | 1°44 | 29°35 | 22°34 | 19°17 | 19°58 | 22°34 | 9°44 | T 19 |
| F 20 | 8 29 17 | 8°28'02 | 25°40 | 10°45 | 25°12 | 23°20 | 8°56 | 15°20 | 1°43 | 29°37 | 22°34 | 19°16 | 19°55 | 22°41 | 9°40 | F 20 |
| S 21 | 8 33 13 | 9°28'50 | 8♒45 | 9°35 | 25°55 | 23°58 | 9°10 | 15°15 | 1°42 | 29°39 | 22°35 | 19°15 | 19°52 | 22°47 | 9°37 | S 21 |
| S 22 | 8 37 10 | 10°29'37 | 21°35 | 8°23 | 26°39 | 24°36 | 9°25 | 15°11 | 1°42 | 29°41 | 22°35 | 19°D15 | 19°49 | 22°54 | 9°33 | S 22 |
| M23 | 8 41 6 | 11°30'23 | 4♓ 9 | 7°12 | 27°24 | 25°14 | 9°39 | 15° 7 | 1°42 | 29°44 | 22°36 | 19°15 | 19°46 | 23° 1 | 9°30 | M23 |
| T 24 | 8 45 3 | 12°31'07 | 16°30 | 6° 4 | 28°11 | 25°52 | 9°53 | 15° 3 | 1°41 | 29°46 | 22°36 | 19°16 | 19°43 | 23° 7 | 9°27 | T 24 |
| W25 | 8 49 0 | 13°31'49 | 28°38 | 5° 0 | 28°58 | 26°30 | 10° 8 | 14°59 | 1°41 | 29°48 | 22°37 | 19°16 | 19°39 | 23°14 | 9°24 | W25 |
| T 26 | 8 52 56 | 14°32'30 | 10♈36 | 4° 1 | 29°45 | 27° 8 | 10°22 | 14°55 | 1°40 | 29°50 | 22°38 | 19°17 | 19°36 | 23°21 | 9°20 | T 26 |
| F 27 | 8 56 53 | 15°33'09 | 22°29 | 3° 9 | 0♑34 | 27°46 | 10°36 | 14°51 | 1°40 | 29°52 | 22°38 | 19°18 | 19°33 | 23°27 | 9°17 | F 27 |
| S 28 | 9 0 49 | 16°33'47 | 4♉21 | 2°24 | 1°24 | 28°24 | 10°51 | 14°47 | 1°40 | 29°55 | 22°39 | 19°18 | 19°30 | 23°34 | 9°14 | S 28 |
| S 29 | 9 4 46 | 17°34'23 | 16°15 | 1°46 | 2°14 | 29° 2 | 11° 5 | 14°43 | 1°40 | 29°57 | 22°39 | 19°R18 | 19°27 | 23°41 | 9°11 | S 29 |
| M30 | 9 8 42 | 18°34'57 | 28°17 | 1°16 | 3° 5 | 29°40 | 11°19 | 14°40 | 1°40 | 29°59 | 22°40 | 19°18 | 19°24 | 23°48 | 9° 8 | M30 |
| T 31 | 9 12 39 | 19♒35'29 | 10♊32 | 0♒54 | 3♑57 | 0♉18 | 11♒34 | 14♋36 | 1°D40 | 0♓ 1 | 22♈41 | 19°D18 | 19♒20 | 23♈54 | 9♋ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 22s 9 | 19n12 | 5n 7 | 19s42 | 1s 6 | 17s13 | 5n36 | 4n48 | 0n17 | 19s50 | 0s37 | 22n25 | 0s 3 | 20n33 | 0s 6 | 12s35 | 0s46 | 6s52 | 16s51 | 14s57 | 14s34 | 12n10 | 16n 3 | 7s 3 | |
| M 2 | 22 0 | 22 57 | 5 13 | 19 11 | 0 55 | 17 13 | 5 37 | 5 4 | 0 18 | 19 46 | 0 37 | 22 26 | 0 3 | 20 33 | 0 6 | 12 35 | 0 46 | 6 52 | 16 50 | 14 58 | 14 35 | 12 13 | 16 3 | 7 3 | |
| T 3 | 21 51 | 25 46 | 5 5 | 18 40 | 0 44 | 17 14 | 5 38 | 5 19 | 0 19 | 19 43 | 0 37 | 22 26 | 0 2 | 20 33 | 0 5 | 12 34 | 0 46 | 6 51 | 16 50 | 14 59 | 14 36 | 12 16 | 16 3 | 7 3 | |
| W 4 | 21 41 | 27 23 | 4 42 | 18 8 | 0 32 | 17 15 | 5 38 | 5 35 | 0 20 | 19 40 | 0 37 | 22 27 | 0 2 | 20 32 | 0 5 | 12 33 | 0 46 | 6 51 | 16 49 | 15 1 | 14 37 | 12 19 | 16 4 | 7 3 | |
| T 5 | 21 31 | 27 36 | 4 5 | 17 37 | 0 19 | 17 17 | 5 38 | 5 50 | 0 21 | 19 36 | 0 38 | 22 28 | 0 2 | 20 32 | 0 5 | 12 33 | 0 46 | 6 51 | 16 49 | 15 2 | 14 38 | 12 22 | 16 4 | 7 3 | |
| F 6 | 21 20 | 26 16 | 3 14 | 17 6 | 0 5 | 17 19 | 5 38 | 6 6 | 0 22 | 19 33 | 0 38 | 22 29 | 0 2 | 20 32 | 0 5 | 12 32 | 0 46 | 6 50 | 16 49 | 15 3 | 14 39 | 12 25 | 16 5 | 7 3 | |
| S 7 | 21 10 | 23 26 | 2 12 | 16 36 | 0n10 | 17 22 | 5 37 | 6 21 | 0 23 | 19 29 | 0 38 | 22 29 | 0 2 | 20 32 | 0 5 | 12 31 | 0 46 | 6 50 | 16 48 | 15 4 | 14 40 | 12 28 | 16 5 | 7 3 | |
| S 8 | 20 58 | 19 14 | 1 0 | 16 8 | 0 26 | 17 25 | 5 36 | 6 37 | 0 24 | 19 26 | 0 38 | 22 30 | 0 2 | 20 32 | 0 5 | 12 31 | 0 46 | 6 49 | 16 48 | 15 5 | 14 41 | 12 31 | 16 5 | 7 3 | |
| M 9 | 20 46 | 13 56 | 0s16 | 15 41 | 0 42 | 17 29 | 5 35 | 6 52 | 0 25 | 19 22 | 0 38 | 22 31 | 0 2 | 20 31 | 0 5 | 12 30 | 0 46 | 6 49 | 16 48 | 15 5 | 14 42 | 12 34 | 16 6 | 7 2 | |
| T 10 | 20 34 | 7 51 | 1 32 | 15 16 | 0 59 | 17 33 | 5 33 | 7 7 | 0 26 | 19 19 | 0 38 | 22 31 | 0 2 | 20 31 | 0 5 | 12 29 | 0 46 | 6 48 | 16 47 | 15 5 | 14 43 | 12 36 | 16 6 | 7 2 | |
| W11 | 20 22 | 1 20 | 2 43 | 14 54 | 1 17 | 17 37 | 5 31 | 7 23 | 0 27 | 19 15 | 0 38 | 22 32 | 0 2 | 20 31 | 0 5 | 12 28 | 0 46 | 6 48 | 16 47 | 15 4 | 14 44 | 12 39 | 16 7 | 7 2 | |
| T 12 | 20 9 | 5s15 | 3 44 | 14 35 | 1 35 | 17 41 | 5 29 | 7 38 | 0 28 | 19 12 | 0 38 | 22 33 | 0 1 | 20 31 | 0 5 | 12 28 | 0 46 | 6 48 | 16 47 | 15 4 | 14 45 | 12 42 | 16 7 | 7 2 | |
| F 13 | 19 56 | 11 34 | 4 32 | 14 20 | 1 52 | 17 46 | 5 27 | 7 53 | 0 29 | 19 8 | 0 38 | 22 33 | 0 1 | 20 31 | 0 5 | 12 27 | 0 46 | 6 47 | 16 46 | 15 3 | 14 46 | 12 45 | 16 8 | 7 2 | |
| S 14 | 19 42 | 17 17 | 5 3 | 14 8 | 2 10 | 17 51 | 5 24 | 8 8 | 0 30 | 19 5 | 0 38 | 22 34 | 0 1 | 20 30 | 0 5 | 12 26 | 0 46 | 6 47 | 16 46 | 15 3 | 14 47 | 12 48 | 16 8 | 7 2 | |
| S 15 | 19 28 | 22 2 | 5 15 | 13 59 | 2 27 | 17 56 | 5 21 | 8 23 | 0 30 | 19 1 | 0 38 | 22 35 | 0 1 | 20 30 | 0 5 | 12 26 | 0 46 | 6 46 | 16 45 | 15 3 | 14 48 | 12 51 | 16 9 | 7 1 | |
| M16 | 19 14 | 25 30 | 5 9 | 13 55 | 2 43 | 18 1 | 5 18 | 8 38 | 0 31 | 18 57 | 0 38 | 22 35 | 0 1 | 20 30 | 0 5 | 12 25 | 0 46 | 6 46 | 16 45 | 15 4 | 14 49 | 12 54 | 16 9 | 7 1 | |
| T 17 | 18 59 | 27 24 | 4 45 | 13 54 | 2 57 | 18 6 | 5 15 | 8 53 | 0 32 | 18 54 | 0 38 | 22 36 | 0 1 | 20 30 | 0 5 | 12 24 | 0 46 | 6 45 | 16 45 | 15 4 | 14 50 | 12 57 | 16 10 | 7 1 | |
| W18 | 18 44 | 27 35 | 4 4 | 13 57 | 3 10 | 18 12 | 5 11 | 9 8 | 0 33 | 18 50 | 0 38 | 22 37 | 0 1 | 20 30 | 0 5 | 12 23 | 0 46 | 6 45 | 16 44 | 15 5 | 14 51 | 13 0 | 16 10 | 7 1 | |
| T 19 | 18 28 | 26 6 | 3 10 | 14 4 | 3 21 | 18 17 | 5 8 | 9 23 | 0 34 | 18 46 | 0 39 | 22 37 | 0 1 | 20 30 | 0 5 | 12 23 | 0 46 | 6 44 | 16 44 | 15 5 | 14 52 | 13 3 | 16 11 | 7 0 | |
| F 20 | 18 13 | 23 10 | 2 7 | 14 13 | 3 30 | 18 22 | 5 4 | 9 38 | 0 35 | 18 43 | 0 39 | 22 38 | 0 1 | 20 30 | 0 5 | 12 22 | 0 46 | 6 44 | 16 44 | 15 6 | 14 53 | 13 6 | 16 11 | 7 0 | |
| S 21 | 17 57 | 19 4 | 0 58 | 14 26 | 3 37 | 18 28 | 5 0 | 9 53 | 0 36 | 18 39 | 0 39 | 22 38 | 0 0 | 20 29 | 0 5 | 12 21 | 0 46 | 6 43 | 16 43 | 15 6 | 14 54 | 13 9 | 16 12 | 7 0 | |
| S 22 | 17 40 | 14 9 | 0n13 | 14 40 | 3 41 | 18 33 | 4 56 | 10 8 | 0 36 | 18 35 | 0 39 | 22 39 | 0 0 | 20 29 | 0 5 | 12 20 | 0 46 | 6 43 | 16 43 | 15 6 | 14 55 | 13 11 | 16 12 | 7 0 | |
| M23 | 17 24 | 8 45 | 1 22 | 14 56 | 3 43 | 18 38 | 4 52 | 10 22 | 0 37 | 18 31 | 0 39 | 22 40 | 0 0 | 20 29 | 0 5 | 12 20 | 0 46 | 6 42 | 16 43 | 15 6 | 14 56 | 13 14 | 16 13 | 6 59 | |
| T 24 | 17 7 | 3 7 | 2 25 | 15 14 | 3 42 | 18 43 | 4 48 | 10 37 | 0 38 | 18 28 | 0 39 | 22 40 | 0 0 | 20 29 | 0 5 | 12 19 | 0 46 | 6 42 | 16 42 | 15 6 | 14 57 | 13 17 | 16 13 | 6 59 | |
| W25 | 16 49 | 2n32 | 3 21 | 15 32 | 3 40 | 18 48 | 4 43 | 10 51 | 0 39 | 18 24 | 0 39 | 22 41 | 0 0 | 20 29 | 0 5 | 12 18 | 0 46 | 6 41 | 16 42 | 15 6 | 14 58 | 13 20 | 16 14 | 6 59 | |
| T 26 | 16 32 | 8 1 | 4 8 | 15 50 | 3 35 | 18 53 | 4 39 | 11 6 | 0 39 | 18 20 | 0 39 | 22 41 | 0n 0 | 20 29 | 0 5 | 12 17 | 0 46 | 6 41 | 16 42 | 15 5 | 14 59 | 13 23 | 16 14 | 6 58 | |
| F 27 | 16 14 | 13 9 | 4 43 | 16 9 | 3 28 | 18 57 | 4 34 | 11 20 | 0 40 | 18 16 | 0 39 | 22 42 | 0 0 | 20 29 | 0 5 | 12 16 | 0 46 | 6 40 | 16 41 | 15 5 | 15 0 | 13 26 | 16 15 | 6 58 | |
| S 28 | 15 56 | 17 49 | 5 7 | 16 27 | 3 20 | 19 1 | 4 30 | 11 35 | 0 41 | 18 12 | 0 39 | 22 42 | 0 0 | 20 29 | 0 5 | 12 16 | 0 46 | 6 40 | 16 41 | 15 5 | 15 1 | 13 29 | 16 15 | 6 58 | |
| S 29 | 15 37 | 21 48 | 5 17 | 16 44 | 3 11 | 19 6 | 4 25 | 11 49 | 0 42 | 18 8 | 0 39 | 22 43 | 0 0 | 20 29 | 0 5 | 12 15 | 0 46 | 6 39 | 16 41 | 15 5 | 15 2 | 13 32 | 16 16 | 6 57 | |
| M30 | 15 19 | 24 56 | 5 13 | 17 1 | 3 1 | 19 10 | 4 20 | 12 3 | 0 42 | 18 5 | 0 40 | 22 43 | 0 0 | 20 29 | 0 5 | 12 14 | 0 46 | 6 39 | 16 40 | 15 5 | 15 3 | 13 35 | 16 17 | 6 57 | |
| T 31 | 15s 0 | 26n59 | 4n56 | 17s16 | 2n49 | 19s13 | 4n15 | 12n17 | 0n43 | 18s 1 | 0s40 | 22n44 | 0n 1 | 20n29 | 0s 5 | 12s13 | 0s46 | 6s38 | 16s40 | 15s 5 | 15s 4 | 13n37 | 16n17 | 6s56 | |

Julian Day Number = 2216702.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'17, Lahiri = 14°53'18 Julian Calendar 1 Jan. 1357 == Greg. Calendar 9 Jan. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## FEBRUARY 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 16 35 | 20♒35'59 | 23♊ 3 | 0°R40 | 4♉49 | 0♉56 | 11♒48 | 14°R33 | 1♊40 | 0♓ 4 | 22♈42 | 19♒18 | 19♒17 | 24♈ 1 | 9°R 3 | W 1 |
| T 2 | 9 20 32 | 21°36'28 | 5♋53 | 0♒33 | 5°42 | 1°34 | 12° 2 | 14♋29 | 1°40 | 0° 6 | 22°42 | 19°18 | 19°14 | 24° 8 | 9♋ 0 | T 2 |
| F 3 | 9 24 29 | 22°36'54 | 19° 7 | 0°D33 | 6°36 | 2°12 | 12°16 | 14°26 | 1°40 | 0° 8 | 22°43 | 19°18 | 19°11 | 24°14 | 8°57 | F 3 |
| S 4 | 9 28 25 | 23°37'19 | 2♌43 | 0°40 | 7°30 | 2°50 | 12°31 | 14°22 | 1°40 | 0°10 | 22°44 | 19°19 | 19° 8 | 24°21 | 8°55 | S 4 |
| S 5 | 9 32 22 | 24°37'42 | 16°41 | 0°52 | 8°25 | 3°28 | 12°45 | 14°19 | 1°41 | 0°13 | 22°45 | 19°R19 | 19° 4 | 24°28 | 8°52 | S 5 |
| M 6 | 9 36 18 | 25°38'03 | 0♍59 | 1°11 | 9°20 | 4° 6 | 12°59 | 14°16 | 1°41 | 0°15 | 22°45 | 19°19 | 19° 1 | 24°35 | 8°50 | M 6 |
| T 7 | 9 40 15 | 26°38'23 | 15°30 | 1°36 | 10°16 | 4°44 | 13°13 | 14°13 | 1°41 | 0°17 | 22°46 | 19°18 | 18°58 | 24°41 | 8°48 | T 7 |
| W 8 | 9 44 11 | 27°38'41 | 0♎ 9 | 2° 5 | 11°13 | 5°22 | 13°27 | 14°10 | 1°42 | 0°19 | 22°47 | 19°18 | 18°55 | 24°48 | 8°45 | W 8 |
| T 9 | 9 48 8 | 28°38'57 | 14°49 | 2°39 | 12°10 | 6° 0 | 13°41 | 14° 7 | 1°42 | 0°22 | 22°48 | 19°16 | 18°52 | 24°55 | 8°43 | T 9 |
| F 10 | 9 52 4 | 29°39'12 | 29°24 | 3°18 | 13° 8 | 6°39 | 13°56 | 14° 5 | 1°43 | 0°24 | 22°49 | 19°15 | 18°49 | 25° 1 | 8°41 | F 10 |
| S 11 | 9 56 1 | 0♓39'25 | 13♏49 | 4° 0 | 14° 6 | 7°17 | 14°10 | 14° 2 | 1°43 | 0°26 | 22°50 | 19°14 | 18°45 | 25° 8 | 8°39 | S 11 |
| S 12 | 9 59 58 | 1°39'37 | 28° 0 | 4°47 | 15° 4 | 7°55 | 14°24 | 14° 0 | 1°44 | 0°29 | 22°51 | 19°D14 | 18°42 | 25°15 | 8°37 | S 12 |
| M13 | 10 3 54 | 2°39'47 | 11♐56 | 5°37 | 16° 3 | 8°33 | 14°38 | 13°57 | 1°44 | 0°31 | 22°52 | 19°14 | 18°39 | 25°22 | 8°36 | M13 |
| T 14 | 10 7 51 | 3°39'56 | 25°35 | 6°30 | 17° 2 | 9°11 | 14°52 | 13°55 | 1°45 | 0°33 | 22°53 | 19°15 | 18°36 | 25°28 | 8°34 | T 14 |
| W15 | 10 11 47 | 4°40'03 | 8♑59 | 7°26 | 18° 2 | 9°49 | 15° 6 | 13°53 | 1°46 | 0°35 | 22°54 | 19°16 | 18°33 | 25°35 | 8°32 | W15 |
| T 16 | 10 15 44 | 5°40'08 | 22° 8 | 8°25 | 19° 2 | 10°28 | 15°20 | 13°50 | 1°47 | 0°38 | 22°55 | 19°17 | 18°30 | 25°42 | 8°31 | T 16 |
| F 17 | 10 19 40 | 6°40'12 | 5♒ 2 | 9°27 | 20° 3 | 11° 6 | 15°33 | 13°48 | 1°48 | 0°40 | 22°56 | 19°18 | 18°26 | 25°48 | 8°29 | F 17 |
| S 18 | 10 23 37 | 7°40'14 | 17°45 | 10°31 | 21° 4 | 11°44 | 15°47 | 13°46 | 1°49 | 0°42 | 22°57 | 19°R19 | 18°23 | 25°55 | 8°28 | S 18 |
| S 19 | 10 27 33 | 8°40'14 | 0♓15 | 11°38 | 22° 5 | 12°22 | 16° 1 | 13°45 | 1°50 | 0°45 | 22°58 | 19°19 | 18°20 | 26° 2 | 8°27 | S 19 |
| M20 | 10 31 30 | 9°40'12 | 12°35 | 12°46 | 23° 6 | 13° 0 | 16°15 | 13°43 | 1°51 | 0°47 | 22°59 | 19°17 | 18°17 | 26° 9 | 8°26 | M20 |
| T 21 | 10 35 27 | 10°40'08 | 24°46 | 13°57 | 24° 8 | 13°38 | 16°29 | 13°41 | 1°52 | 0°49 | 23° 0 | 19°15 | 18°14 | 26°15 | 8°25 | T 21 |
| W22 | 10 39 23 | 11°40'02 | 6♈49 | 15°10 | 25°10 | 14°17 | 16°42 | 13°40 | 1°53 | 0°51 | 23° 1 | 19°11 | 18°10 | 26°22 | 8°24 | W22 |
| T 23 | 10 43 20 | 12°39'54 | 18°45 | 16°25 | 26°13 | 14°55 | 16°56 | 13°38 | 1°54 | 0°54 | 23° 2 | 19° 7 | 18° 7 | 26°29 | 8°23 | T 23 |
| F 24 | 10 47 16 | 13°39'44 | 0♉37 | 17°41 | 27°15 | 15°33 | 17°10 | 13°37 | 1°55 | 0°56 | 23° 3 | 19° 3 | 18° 4 | 26°35 | 8°22 | F 24 |
| S 25 | 10 51 13 | 14°39'32 | 12°28 | 18°59 | 28°18 | 16°11 | 17°23 | 13°36 | 1°56 | 0°58 | 23° 4 | 18°59 | 18° 1 | 26°42 | 8°21 | S 25 |
| S 26 | 10 55 9 | 15°39'18 | 24°22 | 20°19 | 29°22 | 16°50 | 17°37 | 13°35 | 1°58 | 1° 0 | 23° 5 | 18°56 | 17°58 | 26°49 | 8°21 | S 26 |
| M27 | 10 59 6 | 16°39'01 | 6♊22 | 21°40 | 0♒25 | 17°28 | 17°50 | 13°34 | 1°59 | 1° 2 | 23° 6 | 18°54 | 17°55 | 26°56 | 8°20 | M27 |
| T 28 | 11 3 2 | 17♓38'42 | 18♊33 | 23♒ 3 | 1♒29 | 18♉ 6 | 18♒ 4 | 13♋33 | 2♊ 1 | 1♓ 5 | 23♈ 7 | 18°D54 | 17♒51 | 27♈ 2 | 8♋20 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s41 | 27n44 | 4n24 | 17s31 | 2n38 | 19s17 | 4n10 | 12n31 | 0n44 | 17s57 | 0s40 | 22n44 | 0n 1 | 20n29 | 0s 5 | 12s13 | 0s46 | 6s37 | 16s40 | 15s 5 | 15s 5 | 13n40 | 16n18 | 6s56 |
| T 2 | 14 21 | 27 2 | 3 38 | 17 44 | 2 25 | 19 20 | 4 5 | 12 45 | 0 44 | 17 53 | 0 40 | 22 45 | 0 1 | 20 29 | 0 5 | 12 12 | 0 46 | 6 37 | 16 39 | 15 5 | 15 6 | 13 43 | 16 18 | 6 56 |
| F 3 | 14 2 | 24 48 | 2 40 | 17 57 | 2 13 | 19 22 | 4 0 | 12 59 | 0 45 | 17 49 | 0 40 | 22 45 | 0 1 | 20 29 | 0 5 | 12 11 | 0 46 | 6 36 | 16 39 | 15 5 | 15 7 | 13 46 | 16 19 | 6 55 |
| S 4 | 13 42 | 21 6 | 1 31 | 18 8 | 2 0 | 19 25 | 3 54 | 13 13 | 0 46 | 17 45 | 0 40 | 22 46 | 0 1 | 20 29 | 0 5 | 12 10 | 0 46 | 6 36 | 16 39 | 15 5 | 15 8 | 13 49 | 16 19 | 6 55 |
| S 5 | 13 22 | 16 7 | 0 15 | 18 17 | 1 47 | 19 27 | 3 49 | 13 26 | 0 46 | 17 41 | 0 40 | 22 46 | 0 1 | 20 29 | 0 5 | 12 9 | 0 46 | 6 35 | 16 38 | 15 5 | 15 9 | 13 52 | 16 20 | 6 54 |
| M 6 | 13 1 | 10 10 | 1s 4 | 18 26 | 1 35 | 19 29 | 3 44 | 13 40 | 0 47 | 17 37 | 0 40 | 22 47 | 0 1 | 20 29 | 0 5 | 12 9 | 0 46 | 6 35 | 16 38 | 15 5 | 15 10 | 13 54 | 16 21 | 6 54 |
| T 7 | 12 41 | 3 35 | 2 20 | 18 33 | 1 22 | 19 30 | 3 38 | 13 53 | 0 47 | 17 33 | 0 40 | 22 47 | 0 1 | 20 29 | 0 5 | 12 8 | 0 46 | 6 34 | 16 38 | 15 5 | 15 11 | 13 57 | 16 21 | 6 54 |
| W 8 | 12 20 | 3s14 | 3 27 | 18 38 | 1 10 | 19 31 | 3 33 | 14 7 | 0 48 | 17 29 | 0 40 | 22 48 | 0 1 | 20 30 | 0 5 | 12 7 | 0 46 | 6 33 | 16 38 | 15 5 | 15 12 | 14 0 | 16 22 | 6 53 |
| T 9 | 11 59 | 9 52 | 4 21 | 18 42 | 0 57 | 19 31 | 3 27 | 14 20 | 0 49 | 17 25 | 0 41 | 22 48 | 0 2 | 20 30 | 0 5 | 12 6 | 0 46 | 6 33 | 16 37 | 15 6 | 15 13 | 14 3 | 16 22 | 6 53 |
| F 10 | 11 38 | 15 56 | 4 58 | 18 45 | 0 45 | 19 32 | 3 22 | 14 33 | 0 49 | 17 21 | 0 41 | 22 48 | 0 2 | 20 30 | 0 5 | 12 5 | 0 46 | 6 32 | 16 37 | 15 6 | 15 14 | 14 6 | 16 23 | 6 52 |
| S 11 | 11 17 | 21 3 | 5 15 | 18 47 | 0 34 | 19 31 | 3 16 | 14 46 | 0 50 | 17 17 | 0 41 | 22 49 | 0 2 | 20 30 | 0 5 | 12 5 | 0 46 | 6 32 | 16 37 | 15 6 | 15 15 | 14 9 | 16 24 | 6 52 |
| S 12 | 10 55 | 24 52 | 5 13 | 18 47 | 0 22 | 19 31 | 3 11 | 14 59 | 0 50 | 17 13 | 0 41 | 22 49 | 0 2 | 20 30 | 0 5 | 12 4 | 0 46 | 6 31 | 16 36 | 15 6 | 15 16 | 14 11 | 16 24 | 6 51 |
| M13 | 10 34 | 27 7 | 4 52 | 18 45 | 0 11 | 19 30 | 3 5 | 15 12 | 0 51 | 17 9 | 0 41 | 22 49 | 0 2 | 20 30 | 0 5 | 12 3 | 0 46 | 6 31 | 16 36 | 15 6 | 15 17 | 14 14 | 16 25 | 6 51 |
| T 14 | 10 12 | 27 42 | 4 15 | 18 42 | 0 0 | 19 28 | 3 0 | 15 25 | 0 51 | 17 5 | 0 41 | 22 50 | 0 2 | 20 30 | 0 5 | 12 2 | 0 46 | 6 30 | 16 36 | 15 6 | 15 18 | 14 17 | 16 25 | 6 50 |
| W15 | 9 50 | 26 38 | 3 25 | 18 38 | 0s10 | 19 26 | 2 54 | 15 38 | 0 52 | 17 1 | 0 41 | 22 50 | 0 2 | 20 31 | 0 5 | 12 1 | 0 46 | 6 29 | 16 36 | 15 6 | 15 19 | 14 20 | 16 26 | 6 50 |
| T 16 | 9 28 | 24 5 | 2 25 | 18 33 | 0 20 | 19 23 | 2 48 | 15 50 | 0 53 | 16 57 | 0 41 | 22 50 | 0 2 | 20 31 | 0 5 | 12 1 | 0 46 | 6 29 | 16 35 | 15 5 | 15 20 | 14 23 | 16 27 | 6 49 |
| F 17 | 9 6 | 20 20 | 1 18 | 18 26 | 0 30 | 19 20 | 2 43 | 16 3 | 0 53 | 16 53 | 0 41 | 22 51 | 0 2 | 20 31 | 0 5 | 12 0 | 0 46 | 6 28 | 16 35 | 15 5 | 15 21 | 14 25 | 16 27 | 6 49 |
| S 18 | 8 43 | 15 42 | 0 9 | 18 17 | 0 39 | 19 17 | 2 37 | 16 15 | 0 54 | 16 49 | 0 42 | 22 51 | 0 2 | 20 31 | 0 5 | 11 59 | 0 46 | 6 28 | 16 35 | 15 5 | 15 22 | 14 28 | 16 28 | 6 48 |
| S 19 | 8 21 | 10 29 | 1n 0 | 18 7 | 0 48 | 19 13 | 2 32 | 16 28 | 0 54 | 16 45 | 0 42 | 22 51 | 0 3 | 20 31 | 0 5 | 11 58 | 0 46 | 6 27 | 16 35 | 15 5 | 15 23 | 14 31 | 16 28 | 6 48 |
| M20 | 7 58 | 4 56 | 2 5 | 17 56 | 0 56 | 19 8 | 2 26 | 16 40 | 0 55 | 16 41 | 0 42 | 22 52 | 0 3 | 20 32 | 0 5 | 11 57 | 0 46 | 6 26 | 16 34 | 15 5 | 15 24 | 14 34 | 16 29 | 6 47 |
| T 21 | 7 36 | 0n43 | 3 3 | 17 44 | 1 4 | 19 4 | 2 20 | 16 52 | 0 55 | 16 37 | 0 42 | 22 52 | 0 3 | 20 32 | 0 5 | 11 57 | 0 46 | 6 26 | 16 34 | 15 6 | 15 25 | 14 37 | 16 30 | 6 47 |
| W22 | 7 13 | 6 16 | 3 52 | 17 30 | 1 12 | 18 58 | 2 15 | 17 4 | 0 55 | 16 33 | 0 42 | 22 52 | 0 3 | 20 32 | 0 5 | 11 56 | 0 46 | 6 25 | 16 34 | 15 7 | 15 26 | 14 39 | 16 30 | 6 46 |
| T 23 | 6 50 | 11 32 | 4 31 | 17 14 | 1 19 | 18 52 | 2 9 | 17 16 | 0 56 | 16 29 | 0 42 | 22 52 | 0 3 | 20 32 | 0 5 | 11 55 | 0 46 | 6 25 | 16 34 | 15 9 | 15 27 | 14 42 | 16 31 | 6 46 |
| F 24 | 6 27 | 16 22 | 4 57 | 16 57 | 1 26 | 18 46 | 2 4 | 17 27 | 0 56 | 16 25 | 0 42 | 22 53 | 0 3 | 20 32 | 0 5 | 11 54 | 0 46 | 6 24 | 16 33 | 15 10 | 15 28 | 14 45 | 16 31 | 6 45 |
| S 25 | 6 4 | 20 34 | 5 11 | 16 39 | 1 33 | 18 39 | 1 58 | 17 39 | 0 57 | 16 21 | 0 42 | 22 53 | 0 3 | 20 33 | 0 5 | 11 53 | 0 46 | 6 23 | 16 33 | 15 11 | 15 29 | 14 48 | 16 32 | 6 44 |
| S 26 | 5 41 | 23 58 | 5 12 | 16 20 | 1 39 | 18 31 | 1 53 | 17 50 | 0 57 | 16 17 | 0 43 | 22 53 | 0 3 | 20 33 | 0 5 | 11 53 | 0 46 | 6 23 | 16 33 | 15 12 | 15 30 | 14 51 | 16 33 | 6 44 |
| M27 | 5 17 | 26 21 | 4 59 | 15 59 | 1 45 | 18 23 | 1 47 | 18 2 | 0 58 | 16 13 | 0 43 | 22 53 | 0 3 | 20 33 | 0 5 | 11 52 | 0 46 | 6 22 | 16 33 | 15 13 | 15 31 | 14 53 | 16 33 | 6 43 |
| T 28 | 4s54 | 27n33 | 4n33 | 15s37 | 1s50 | 18s15 | 1n42 | 18n13 | 0n58 | 16s 9 | 0s43 | 22n53 | 0n 3 | 20n34 | 0s 5 | 11s51 | 0s46 | 6s22 | 16s32 | 15s13 | 15s32 | 14n56 | 16n34 | 6s43 |

Julian Day Number = 2216733.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'29, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'22, Lahiri = 14°53'22 Julian Calendar 1 Feb. 1357 == Greg. Calendar 9 Feb. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## MARCH 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 6 59 | 18♓38'21 | 0♋59 | 24♒28 | 2♒33 | 18♉44 | 18♒17 | 13°R32 | 2♊ 2 | 1♓ 7 | 23♈ 9 | 18♒54 | 17♒48 | 27♈ 9 | 8°R19 | W 1 |
| T 2 | 11 10 55 | 19°37'57 | 13°46 | 25°54 | 3°37 | 19°22 | 18°30 | 13♋32 | 2° 4 | 1° 9 | 23°10 | 18°56 | 17°45 | 27°16 | 8♋19 | T 2 |
| F 3 | 11 14 52 | 20°37'31 | 26°56 | 27°21 | 4°42 | 20° 1 | 18°44 | 13°31 | 2° 5 | 1°11 | 23°11 | 18°58 | 17°42 | 27°22 | 8°19 | F 3 |
| S 4 | 11 18 49 | 21°37'03 | 10♌33 | 28°50 | 5°46 | 20°39 | 18°57 | 13°31 | 2° 7 | 1°13 | 23°12 | 18°59 | 17°39 | 27°29 | 8°D19 | S 4 |
| S 5 | 11 22 45 | 22°36'32 | 24°37 | 0♓21 | 6°51 | 21°17 | 19°10 | 13°31 | 2° 9 | 1°16 | 23°13 | 18°R59 | 17°35 | 27°36 | 8°19 | S 5 |
| M 6 | 11 26 42 | 23°35'59 | 9♍ 6 | 1°52 | 7°56 | 21°55 | 19°23 | 13°30 | 2°10 | 1°18 | 23°15 | 18°57 | 17°32 | 27°43 | 8°19 | M 6 |
| T 7 | 11 30 38 | 24°35'24 | 23°56 | 3°25 | 9° 2 | 22°33 | 19°36 | 13°D30 | 2°12 | 1°20 | 23°16 | 18°54 | 17°29 | 27°49 | 8°20 | T 7 |
| W 8 | 11 34 35 | 25°34'47 | 8♎58 | 5° 0 | 10° 7 | 23°11 | 19°49 | 13°30 | 2°14 | 1°22 | 23°17 | 18°50 | 17°26 | 27°56 | 8°20 | W 8 |
| T 9 | 11 38 31 | 26°34'08 | 24° 5 | 6°35 | 11°13 | 23°50 | 20° 2 | 13°30 | 2°16 | 1°24 | 23°18 | 18°44 | 17°23 | 28° 3 | 8°20 | T 9 |
| F 10 | 11 42 28 | 27°33'27 | 9♏ 5 | 8°13 | 12°19 | 24°28 | 20°15 | 13°31 | 2°18 | 1°26 | 23°20 | 18°39 | 17°20 | 28° 9 | 8°21 | F 10 |
| S 11 | 11 46 24 | 28°32'44 | 23°51 | 9°51 | 13°25 | 25° 6 | 20°28 | 13°31 | 2°19 | 1°28 | 23°21 | 18°34 | 17°16 | 28°16 | 8°22 | S 11 |
| S 12 | 11 50 21 | 29°32'00 | 8♐16 | 11°31 | 14°31 | 25°44 | 20°41 | 13°32 | 2°21 | 1°30 | 23°22 | 18°30 | 17°13 | 28°23 | 8°22 | S 12 |
| M13 | 11 54 18 | 0♈31'14 | 22°18 | 13°12 | 15°37 | 26°22 | 20°53 | 13°32 | 2°23 | 1°32 | 23°23 | 18°28 | 17°10 | 28°30 | 8°23 | M13 |
| T 14 | 11 58 14 | 1°30'26 | 5♑55 | 14°55 | 16°44 | 27° 0 | 21° 6 | 13°33 | 2°26 | 1°34 | 23°25 | 18°D28 | 17° 7 | 28°36 | 8°24 | T 14 |
| W15 | 12 2 11 | 2°29'36 | 19°10 | 16°39 | 17°51 | 27°39 | 21°18 | 13°34 | 2°28 | 1°36 | 23°26 | 18°29 | 17° 4 | 28°43 | 8°25 | W15 |
| T 16 | 12 6 7 | 3°28'44 | 2♒ 6 | 18°25 | 18°58 | 28°17 | 21°31 | 13°35 | 2°30 | 1°38 | 23°27 | 18°30 | 17° 1 | 28°50 | 8°26 | T 16 |
| F 17 | 12 10 4 | 4°27'51 | 14°44 | 20°11 | 20° 5 | 28°55 | 21°43 | 13°36 | 2°32 | 1°40 | 23°29 | 18°R31 | 16°57 | 28°56 | 8°28 | F 17 |
| S 18 | 12 14 0 | 5°26'55 | 27° 9 | 22° 0 | 21°12 | 29°33 | 21°56 | 13°37 | 2°34 | 1°42 | 23°30 | 18°31 | 16°54 | 29° 3 | 8°29 | S 18 |
| S 19 | 12 17 57 | 6°25'58 | 9♓24 | 23°50 | 22°19 | 0♊11 | 22° 8 | 13°38 | 2°37 | 1°44 | 23°31 | 18°29 | 16°51 | 29°10 | 8°30 | S 19 |
| M20 | 12 21 53 | 7°24'58 | 21°31 | 25°41 | 23°27 | 0°49 | 22°20 | 13°39 | 2°39 | 1°46 | 23°33 | 18°24 | 16°48 | 29°17 | 8°32 | M20 |
| T 21 | 12 25 50 | 8°23'57 | 3♈31 | 27°33 | 24°34 | 1°27 | 22°32 | 13°41 | 2°41 | 1°48 | 23°34 | 18°17 | 16°45 | 29°23 | 8°33 | T 21 |
| W22 | 12 29 47 | 9°22'54 | 15°27 | 29°28 | 25°42 | 2° 5 | 22°44 | 13°43 | 2°44 | 1°50 | 23°35 | 18° 8 | 16°41 | 29°30 | 8°35 | W22 |
| T 23 | 12 33 43 | 10°21'48 | 27°20 | 1♈23 | 26°50 | 2°44 | 22°56 | 13°44 | 2°46 | 1°52 | 23°37 | 17°58 | 16°38 | 29°37 | 8°37 | T 23 |
| F 24 | 12 37 40 | 11°20'41 | 9♉12 | 3°20 | 27°58 | 3°22 | 23° 8 | 13°46 | 2°48 | 1°54 | 23°38 | 17°48 | 16°35 | 29°43 | 8°39 | F 24 |
| S 25 | 12 41 36 | 12°19'31 | 21° 4 | 5°18 | 29° 6 | 4° 0 | 23°20 | 13°48 | 2°51 | 1°56 | 23°39 | 17°38 | 16°32 | 29°50 | 8°41 | S 25 |
| S 26 | 12 45 33 | 13°18'19 | 2♊58 | 7°18 | 0♓14 | 4°38 | 23°31 | 13°50 | 2°54 | 1°58 | 23°41 | 17°29 | 16°29 | 29°57 | 8°43 | S 26 |
| M27 | 12 49 29 | 14°17'05 | 14°59 | 9°19 | 1°22 | 5°16 | 23°43 | 13°52 | 2°56 | 1°59 | 23°42 | 17°23 | 16°26 | 0♉ 4 | 8°45 | M27 |
| T 28 | 12 53 26 | 15°15'49 | 27° 9 | 11°22 | 2°30 | 5°54 | 23°54 | 13°54 | 2°59 | 2° 1 | 23°43 | 17°19 | 16°22 | 0°10 | 8°47 | T 28 |
| W29 | 12 57 22 | 16°14'31 | 9♋32 | 13°25 | 3°39 | 6°32 | 24° 6 | 13°57 | 3° 1 | 2° 3 | 23°45 | 17°17 | 16°19 | 0°17 | 8°49 | W29 |
| T 30 | 13 1 19 | 17°13'10 | 22°13 | 15°30 | 4°47 | 7°10 | 24°17 | 13°59 | 3° 4 | 2° 5 | 23°46 | 17°D17 | 16°16 | 0°24 | 8°52 | T 30 |
| F 31 | 13 5 16 | 18♈11'47 | 5♌17 | 17♈36 | 5♓56 | 7♊48 | 24♒28 | 14♋ 2 | 3♊ 7 | 2♓ 6 | 23♈48 | 17♒18 | 16♒13 | 0♉30 | 8♋54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s31 | 27n24 | 3n53 | 15s13 | 1s55 | 18s 6 | 1n36 | 18n24 | 0n59 | 16s 5 | 0s43 | 22n54 | 0n 4 | 20n34 | 0s 5 | 11s50 | 0s46 | 6s21 | 16s32 | 15s13 | 15s33 | 14n59 | 16n34 | 6s42 |
| T 2 | 4 7 | 25 48 | 3 1 | 14 48 | 1 59 | 17 57 | 1 31 | 18 35 | 0 59 | 16 1 | 0 43 | 22 54 | 0 4 | 20 34 | 0 5 | 11 50 | 0 46 | 6 20 | 16 32 | 15 12 | 15 34 | 15 2 | 16 35 | 6 42 |
| F 3 | 3 44 | 22 46 | 1 58 | 14 22 | 2 3 | 17 47 | 1 25 | 18 46 | 0 59 | 15 57 | 0 43 | 22 54 | 0 4 | 20 35 | 0 5 | 11 49 | 0 46 | 6 20 | 16 32 | 15 12 | 15 35 | 15 4 | 16 35 | 6 41 |
| S 4 | 3 20 | 18 24 | 0 46 | 13 54 | 2 7 | 17 36 | 1 20 | 18 56 | 1 0 | 15 53 | 0 43 | 22 54 | 0 4 | 20 35 | 0 5 | 11 48 | 0 46 | 6 19 | 16 32 | 15 11 | 15 36 | 15 7 | 16 36 | 6 41 |
| S 5 | 2 57 | 12 53 | 0s31 | 13 25 | 2 10 | 17 25 | 1 15 | 19 7 | 1 0 | 15 49 | 0 44 | 22 54 | 0 4 | 20 35 | 0 5 | 11 47 | 0 46 | 6 19 | 16 31 | 15 11 | 15 37 | 15 10 | 16 37 | 6 40 |
| M 6 | 2 33 | 6 32 | 1 48 | 12 55 | 2 13 | 17 14 | 1 10 | 19 17 | 1 1 | 15 45 | 0 44 | 22 54 | 0 4 | 20 36 | 0 5 | 11 47 | 0 46 | 6 18 | 16 31 | 15 12 | 15 38 | 15 12 | 16 37 | 6 39 |
| T 7 | 2 9 | 0s19 | 2 59 | 12 23 | 2 15 | 17 2 | 1 4 | 19 27 | 1 1 | 15 41 | 0 44 | 22 54 | 0 4 | 20 36 | 0 5 | 11 46 | 0 46 | 6 17 | 16 31 | 15 13 | 15 39 | 15 15 | 16 38 | 6 39 |
| W 8 | 1 46 | 7 13 | 3 59 | 11 50 | 2 17 | 16 49 | 0 59 | 19 37 | 1 1 | 15 37 | 0 44 | 22 54 | 0 4 | 20 36 | 0 5 | 11 45 | 0 46 | 6 17 | 16 31 | 15 14 | 15 40 | 15 18 | 16 38 | 6 38 |
| T 9 | 1 22 | 13 44 | 4 42 | 11 16 | 2 18 | 16 36 | 0 54 | 19 47 | 1 2 | 15 33 | 0 44 | 22 54 | 0 4 | 20 37 | 0 5 | 11 44 | 0 47 | 6 16 | 16 31 | 15 16 | 15 41 | 15 21 | 16 39 | 6 38 |
| F 10 | 0 58 | 19 24 | 5 6 | 10 40 | 2 19 | 16 23 | 0 49 | 19 57 | 1 2 | 15 29 | 0 44 | 22 55 | 0 4 | 20 37 | 0 5 | 11 44 | 0 47 | 6 16 | 16 31 | 15 18 | 15 42 | 15 23 | 16 39 | 6 37 |
| S 11 | 0 35 | 23 47 | 5 9 | 10 3 | 2 19 | 16 9 | 0 44 | 20 7 | 1 2 | 15 25 | 0 44 | 22 55 | 0 5 | 20 38 | 0 5 | 11 43 | 0 47 | 6 15 | 16 30 | 15 19 | 15 43 | 15 26 | 16 40 | 6 37 |
| S 12 | 0 11 | 26 34 | 4 52 | 9 25 | 2 19 | 15 55 | 0 39 | 20 16 | 1 3 | 15 21 | 0 45 | 22 55 | 0 5 | 20 38 | 0 5 | 11 42 | 0 47 | 6 14 | 16 30 | 15 20 | 15 44 | 15 29 | 16 40 | 6 36 |
| M13 | 0n12 | 27 35 | 4 18 | 8 45 | 2 19 | 15 40 | 0 34 | 20 26 | 1 3 | 15 17 | 0 45 | 22 55 | 0 5 | 20 38 | 0 5 | 11 41 | 0 47 | 6 14 | 16 30 | 15 21 | 15 45 | 15 31 | 16 41 | 6 35 |
| T 14 | 0 36 | 26 53 | 3 30 | 8 5 | 2 18 | 15 25 | 0 29 | 20 35 | 1 3 | 15 14 | 0 45 | 22 55 | 0 5 | 20 39 | 0 5 | 11 41 | 0 47 | 6 13 | 16 30 | 15 21 | 15 46 | 15 34 | 16 41 | 6 35 |
| W15 | 1 0 | 24 39 | 2 32 | 7 23 | 2 16 | 15 9 | 0 25 | 20 44 | 1 4 | 15 10 | 0 45 | 22 55 | 0 5 | 20 39 | 0 5 | 11 40 | 0 47 | 6 13 | 16 30 | 15 21 | 15 47 | 15 37 | 16 42 | 6 34 |
| T 16 | 1 23 | 21 11 | 1 28 | 6 39 | 2 14 | 14 53 | 0 20 | 20 53 | 1 4 | 15 6 | 0 45 | 22 55 | 0 5 | 20 40 | 0 5 | 11 39 | 0 47 | 6 12 | 16 30 | 15 20 | 15 48 | 15 40 | 16 42 | 6 34 |
| F 17 | 1 47 | 16 48 | 0 20 | 5 55 | 2 12 | 14 36 | 0 15 | 21 2 | 1 4 | 15 2 | 0 45 | 22 55 | 0 5 | 20 40 | 0 5 | 11 39 | 0 47 | 6 11 | 16 30 | 15 20 | 15 49 | 15 42 | 16 43 | 6 33 |
| S 18 | 2 10 | 11 46 | 0n47 | 5 9 | 2 9 | 14 19 | 0 11 | 21 11 | 1 5 | 14 58 | 0 46 | 22 55 | 0 5 | 20 41 | 0 4 | 11 38 | 0 47 | 6 11 | 16 29 | 15 20 | 15 50 | 15 45 | 16 43 | 6 33 |
| S 19 | 2 34 | 6 22 | 1 50 | 4 23 | 2 5 | 14 1 | 0 6 | 21 19 | 1 5 | 14 54 | 0 46 | 22 55 | 0 5 | 20 41 | 0 4 | 11 37 | 0 47 | 6 10 | 16 29 | 15 21 | 15 51 | 15 48 | 16 44 | 6 32 |
| M20 | 2 57 | 0 48 | 2 48 | 3 35 | 2 1 | 13 44 | 0 2 | 21 27 | 1 5 | 14 50 | 0 46 | 22 55 | 0 5 | 20 41 | 0 4 | 11 37 | 0 47 | 6 10 | 16 29 | 15 22 | 15 51 | 15 50 | 16 44 | 6 31 |
| T 21 | 3 21 | 4n44 | 3 38 | 2 45 | 1 57 | 13 25 | 0s 3 | 21 36 | 1 5 | 14 47 | 0 46 | 22 55 | 0 5 | 20 42 | 0 4 | 11 36 | 0 47 | 6 9 | 16 29 | 15 24 | 15 52 | 15 53 | 16 45 | 6 31 |
| W22 | 3 44 | 10 4 | 4 18 | 1 55 | 1 52 | 13 7 | 0 7 | 21 44 | 1 6 | 14 43 | 0 46 | 22 54 | 0 6 | 20 42 | 0 4 | 11 35 | 0 47 | 6 9 | 16 29 | 15 27 | 15 53 | 15 56 | 16 45 | 6 30 |
| T 23 | 4 7 | 15 0 | 4 46 | 1 4 | 1 46 | 12 47 | 0 11 | 21 51 | 1 6 | 14 39 | 0 46 | 22 54 | 0 6 | 20 43 | 0 4 | 11 35 | 0 47 | 6 8 | 16 29 | 15 30 | 15 54 | 15 58 | 16 46 | 6 30 |
| F 24 | 4 30 | 19 22 | 5 2 | 0 12 | 1 40 | 12 28 | 0 15 | 21 59 | 1 6 | 14 35 | 0 47 | 22 54 | 0 6 | 20 43 | 0 4 | 11 34 | 0 47 | 6 7 | 16 29 | 15 33 | 15 55 | 16 1 | 16 46 | 6 29 |
| S 25 | 4 53 | 22 59 | 5 4 | 0n41 | 1 33 | 12 8 | 0 19 | 22 7 | 1 6 | 14 32 | 0 47 | 22 54 | 0 6 | 20 44 | 0 4 | 11 33 | 0 47 | 6 7 | 16 29 | 15 36 | 15 56 | 16 4 | 16 47 | 6 29 |
| S 26 | 5 16 | 25 38 | 4 54 | 1 35 | 1 26 | 11 48 | 0 23 | 22 14 | 1 7 | 14 28 | 0 47 | 22 54 | 0 6 | 20 44 | 0 4 | 11 33 | 0 47 | 6 6 | 16 29 | 15 39 | 15 57 | 16 6 | 16 47 | 6 28 |
| M27 | 5 39 | 27 9 | 4 31 | 2 30 | 1 19 | 11 27 | 0 27 | 22 21 | 1 7 | 14 24 | 0 47 | 22 54 | 0 6 | 20 45 | 0 4 | 11 32 | 0 47 | 6 6 | 16 29 | 15 41 | 15 58 | 16 9 | 16 47 | 6 27 |
| T 28 | 6 2 | 27 24 | 3 55 | 3 26 | 1 11 | 11 6 | 0 31 | 22 28 | 1 7 | 14 21 | 0 47 | 22 54 | 0 6 | 20 45 | 0 4 | 11 31 | 0 47 | 6 5 | 16 28 | 15 42 | 15 59 | 16 11 | 16 48 | 6 27 |
| W29 | 6 25 | 26 18 | 3 7 | 4 22 | 1 2 | 10 45 | 0 35 | 22 35 | 1 7 | 14 17 | 0 48 | 22 54 | 0 6 | 20 46 | 0 4 | 11 31 | 0 47 | 6 5 | 16 28 | 15 43 | 16 0 | 16 14 | 16 48 | 6 26 |
| T 30 | 6 47 | 23 49 | 2 10 | 5 18 | 0 53 | 10 23 | 0 39 | 22 42 | 1 8 | 14 13 | 0 48 | 22 53 | 0 6 | 20 46 | 0 4 | 11 30 | 0 47 | 6 4 | 16 28 | 15 43 | 16 1 | 16 17 | 16 49 | 6 26 |
| F 31 | 7n10 | 20n 3 | 1n 4 | 6n15 | 0s44 | 10s 1 | 0s42 | 22n48 | 1n 8 | 14s10 | 0s48 | 22n53 | 0n 6 | 20n47 | 0s 4 | 11s30 | 0s47 | 6s 4 | 16s28 | 15s42 | 16s 2 | 16n19 | 16n49 | 6s25 |

Julian Day Number = 2216761.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'29, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'26, Lahiri = 14°53'26 Julian Calendar 1 March 1357 == Greg. Calendar 9 March 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## APRIL 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 9 12 | 19♈10'22 | 18♌46 | 19♈42 | 7♓ 5 | 8♊26 | 24♒40 | 14♋ 4 | 3♊ 9 | 2♓ 8 | 23♈49 | 17°R18 | 16♒10 | 0♉37 | 8♋57 | S 1 |
| S 2 | 13 13 9 | 20° 8'54 | 2♍45 | 21°49 | 8°14 | 9° 4 | 24°51 | 14° 7 | 3°12 | 2°10 | 23°50 | 17♒17 | 16° 7 | 0°44 | 8°59 | S 2 |
| M 3 | 13 17 5 | 21° 7'24 | 17°11 | 23°57 | 9°23 | 9°42 | 25° 2 | 14°10 | 3°15 | 2°12 | 23°52 | 17°14 | 16° 3 | 0°51 | 9° 2 | M 3 |
| T 4 | 13 21 2 | 22° 5'52 | 2♎ 4 | 26° 5 | 10°32 | 10°20 | 25°12 | 14°13 | 3°18 | 2°13 | 23°53 | 17° 8 | 16° 0 | 0°57 | 9° 5 | T 4 |
| W 5 | 13 24 58 | 23° 4'18 | 17°14 | 28°13 | 11°41 | 10°58 | 25°23 | 14°16 | 3°21 | 2°15 | 23°54 | 17° 0 | 15°57 | 1° 4 | 9° 8 | W 5 |
| T 6 | 13 28 55 | 24° 2'43 | 2♏34 | 0♉20 | 12°50 | 11°36 | 25°34 | 14°19 | 3°24 | 2°16 | 23°56 | 16°51 | 15°54 | 1°11 | 9°11 | T 6 |
| F 7 | 13 32 51 | 25° 1'05 | 17°51 | 2°27 | 13°59 | 12°14 | 25°44 | 14°22 | 3°27 | 2°18 | 23°57 | 16°41 | 15°51 | 1°17 | 9°14 | F 7 |
| S 8 | 13 36 48 | 25°59'26 | 2♐54 | 4°33 | 15° 8 | 12°52 | 25°55 | 14°25 | 3°30 | 2°19 | 23°59 | 16°32 | 15°47 | 1°24 | 9°17 | S 8 |
| S 9 | 13 40 45 | 26°57'45 | 17°35 | 6°38 | 16°18 | 13°30 | 26° 5 | 14°29 | 3°33 | 2°21 | 24° 0 | 16°25 | 15°44 | 1°31 | 9°20 | S 9 |
| M10 | 13 44 41 | 27°56'02 | 1♑48 | 8°41 | 17°27 | 14° 8 | 26°15 | 14°32 | 3°36 | 2°22 | 24° 1 | 16°20 | 15°41 | 1°38 | 9°24 | M10 |
| T 11 | 13 48 38 | 28°54'18 | 15°33 | 10°43 | 18°37 | 14°46 | 26°25 | 14°36 | 3°39 | 2°24 | 24° 3 | 16°18 | 15°38 | 1°44 | 9°27 | T 11 |
| W12 | 13 52 34 | 29°52'33 | 28°50 | 12°42 | 19°47 | 15°24 | 26°35 | 14°40 | 3°42 | 2°25 | 24° 4 | 16°D17 | 15°35 | 1°51 | 9°31 | W12 |
| T 13 | 13 56 31 | 0♉50'46 | 11♒43 | 14°39 | 20°56 | 16° 2 | 26°45 | 14°43 | 3°45 | 2°27 | 24° 6 | 16°R17 | 15°32 | 1°58 | 9°34 | T 13 |
| F 14 | 14 0 27 | 1°48'57 | 24°15 | 16°33 | 22° 6 | 16°40 | 26°55 | 14°47 | 3°48 | 2°28 | 24° 7 | 16°17 | 15°28 | 2° 5 | 9°38 | F 14 |
| S 15 | 14 4 24 | 2°47'07 | 6♓32 | 18°25 | 23°16 | 17°18 | 27° 5 | 14°51 | 3°51 | 2°29 | 24° 8 | 16°15 | 15°25 | 2°11 | 9°42 | S 15 |
| S 16 | 14 8 20 | 3°45'15 | 18°38 | 20°13 | 24°26 | 17°56 | 27°14 | 14°55 | 3°54 | 2°31 | 24°10 | 16°12 | 15°22 | 2°18 | 9°45 | S 16 |
| M17 | 14 12 17 | 4°43'22 | 0♈36 | 21°58 | 25°36 | 18°34 | 27°24 | 14°59 | 3°57 | 2°32 | 24°11 | 16° 5 | 15°19 | 2°25 | 9°49 | M17 |
| T 18 | 14 16 14 | 5°41'27 | 12°30 | 23°40 | 26°46 | 19°12 | 27°33 | 15° 3 | 4° 0 | 2°33 | 24°12 | 15°55 | 15°16 | 2°31 | 9°53 | T 18 |
| W19 | 14 20 10 | 6°39'30 | 24°22 | 25°18 | 27°56 | 19°50 | 27°42 | 15° 8 | 4° 4 | 2°35 | 24°14 | 15°43 | 15°12 | 2°38 | 9°57 | W19 |
| T 20 | 14 24 7 | 7°37'32 | 6♉13 | 26°53 | 29° 6 | 20°28 | 27°51 | 15°12 | 4° 7 | 2°36 | 24°15 | 15°30 | 15° 9 | 2°45 | 10° 1 | T 20 |
| F 21 | 14 28 3 | 8°35'33 | 18° 6 | 28°24 | 0♈16 | 21° 6 | 28° 0 | 15°17 | 4°10 | 2°37 | 24°16 | 15°16 | 15° 6 | 2°52 | 10° 5 | F 21 |
| S 22 | 14 32 0 | 9°33'31 | 0♊ 1 | 29°51 | 1°27 | 21°44 | 28° 9 | 15°21 | 4°13 | 2°38 | 24°18 | 15° 2 | 15° 3 | 2°58 | 10°10 | S 22 |
| S 23 | 14 35 56 | 10°31'29 | 12° 1 | 1♊15 | 2°37 | 22°22 | 28°18 | 15°26 | 4°17 | 2°39 | 24°19 | 14°50 | 15° 0 | 3° 5 | 10°14 | S 23 |
| M24 | 14 39 53 | 11°29'24 | 24° 6 | 2°34 | 3°47 | 23° 0 | 28°26 | 15°31 | 4°20 | 2°40 | 24°20 | 14°41 | 14°57 | 3°12 | 10°18 | M24 |
| T 25 | 14 43 49 | 12°27'18 | 6♋20 | 3°50 | 4°58 | 23°37 | 28°35 | 15°35 | 4°23 | 2°41 | 24°22 | 14°34 | 14°53 | 3°18 | 10°23 | T 25 |
| W26 | 14 47 46 | 13°25'10 | 18°46 | 5° 1 | 6° 8 | 24°15 | 28°43 | 15°40 | 4°27 | 2°43 | 24°23 | 14°31 | 14°50 | 3°25 | 10°27 | W26 |
| T 27 | 14 51 43 | 14°23'00 | 1♌27 | 6° 8 | 7°19 | 24°53 | 28°51 | 15°45 | 4°30 | 2°44 | 24°24 | 14°29 | 14°47 | 3°32 | 10°32 | T 27 |
| F 28 | 14 55 39 | 15°20'48 | 14°27 | 7°11 | 8°29 | 25°31 | 28°59 | 15°50 | 4°34 | 2°45 | 24°26 | 14°29 | 14°44 | 3°39 | 10°36 | F 28 |
| S 29 | 14 59 36 | 16°18'35 | 27°50 | 8°10 | 9°40 | 26° 9 | 29° 7 | 15°55 | 4°37 | 2°45 | 24°27 | 14°29 | 14°41 | 3°45 | 10°41 | S 29 |
| S 30 | 15 3 32 | 17♉16'20 | 11♍39 | 9♊ 5 | 10♈50 | 26♊47 | 29♒15 | 16♋ 1 | 4♊40 | 2♓46 | 24♈28 | 14♒27 | 14♒38 | 3♉52 | 10♋46 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n32 | 15n 8 | 0s 8 | 7n12 | 0s34 | 9s39 | 0s46 | 22n55 | 1n 8 | 14s 6 | 0s48 | 22n53 | 0n 6 | 20n48 | 0s 4 | 11s29 | 0s47 | 6s 3 | 16s28 | 15s42 | 16s 3 | 16n22 | 16n49 | 6s25 |
| S 2 | 7 54 | 9 16 | 1 21 | 8 10 | 0 24 | 9 16 | 0 49 | 23 1 | 1 8 | 14 3 | 0 48 | 22 53 | 0 6 | 20 48 | 0 4 | 11 28 | 0 47 | 6 3 | 16 28 | 15 43 | 16 4 | 16 25 | 16 50 | 6 24 |
| M 3 | 8 16 | 2 45 | 2 32 | 9 7 | 0 14 | 8 54 | 0 53 | 23 7 | 1 9 | 13 59 | 0 49 | 22 53 | 0 7 | 20 49 | 0 4 | 11 28 | 0 47 | 6 2 | 16 28 | 15 44 | 16 5 | 16 27 | 16 50 | 6 24 |
| T 4 | 8 38 | 4s 6 | 3 34 | 10 3 | 0 3 | 8 30 | 0 56 | 23 13 | 1 9 | 13 56 | 0 49 | 22 52 | 0 7 | 20 49 | 0 4 | 11 27 | 0 47 | 6 1 | 16 28 | 15 45 | 16 6 | 16 30 | 16 51 | 6 23 |
| W 5 | 9 0 | 10 50 | 4 23 | 11 0 | 0n 8 | 8 7 | 0 59 | 23 18 | 1 9 | 13 52 | 0 49 | 22 52 | 0 7 | 20 50 | 0 4 | 11 27 | 0 47 | 6 1 | 16 28 | 15 48 | 16 7 | 16 32 | 16 51 | 6 23 |
| T 6 | 9 22 | 16 59 | 4 53 | 11 55 | 0 18 | 7 43 | 1 2 | 23 24 | 1 9 | 13 49 | 0 49 | 22 52 | 0 7 | 20 50 | 0 4 | 11 26 | 0 47 | 6 0 | 16 28 | 15 50 | 16 8 | 16 35 | 16 51 | 6 22 |
| F 7 | 9 43 | 22 3 | 5 2 | 12 49 | 0 29 | 7 19 | 1 5 | 23 29 | 1 9 | 13 46 | 0 49 | 22 52 | 0 7 | 20 51 | 0 4 | 11 26 | 0 47 | 6 0 | 16 28 | 15 53 | 16 9 | 16 38 | 16 52 | 6 21 |
| S 8 | 10 4 | 25 33 | 4 50 | 13 43 | 0 40 | 6 55 | 1 8 | 23 34 | 1 10 | 13 42 | 0 50 | 22 51 | 0 7 | 20 51 | 0 4 | 11 25 | 0 47 | 5 59 | 16 28 | 15 56 | 16 10 | 16 40 | 16 52 | 6 21 |
| S 9 | 10 26 | 27 15 | 4 19 | 14 35 | 0 51 | 6 31 | 1 11 | 23 39 | 1 10 | 13 39 | 0 50 | 22 51 | 0 7 | 20 52 | 0 4 | 11 25 | 0 47 | 5 59 | 16 28 | 15 58 | 16 11 | 16 43 | 16 52 | 6 20 |
| M10 | 10 47 | 27 4 | 3 33 | 15 25 | 1 1 | 6 6 | 1 14 | 23 44 | 1 10 | 13 36 | 0 50 | 22 51 | 0 7 | 20 53 | 0 4 | 11 24 | 0 47 | 5 58 | 16 28 | 16 0 | 16 11 | 16 45 | 16 52 | 6 20 |
| T 11 | 11 7 | 25 11 | 2 35 | 16 13 | 1 11 | 5 41 | 1 16 | 23 49 | 1 10 | 13 32 | 0 50 | 22 50 | 0 7 | 20 53 | 0 4 | 11 24 | 0 47 | 5 58 | 16 28 | 16 1 | 16 12 | 16 48 | 16 53 | 6 19 |
| W12 | 11 28 | 21 57 | 1 31 | 17 0 | 1 21 | 5 16 | 1 19 | 23 53 | 1 10 | 13 29 | 0 50 | 22 50 | 0 7 | 20 54 | 0 4 | 11 23 | 0 47 | 5 58 | 16 28 | 16 1 | 16 13 | 16 51 | 16 53 | 6 19 |
| T 13 | 11 49 | 17 43 | 0 24 | 17 44 | 1 31 | 4 51 | 1 21 | 23 57 | 1 10 | 13 26 | 0 51 | 22 50 | 0 7 | 20 54 | 0 4 | 11 23 | 0 47 | 5 57 | 16 28 | 16 1 | 16 14 | 16 53 | 16 53 | 6 18 |
| F 14 | 12 9 | 12 49 | 0n42 | 18 26 | 1 40 | 4 25 | 1 24 | 24 1 | 1 11 | 13 23 | 0 51 | 22 49 | 0 7 | 20 55 | 0 4 | 11 22 | 0 47 | 5 57 | 16 28 | 16 1 | 16 15 | 16 56 | 16 53 | 6 18 |
| S 15 | 12 29 | 7 31 | 1 45 | 19 6 | 1 48 | 4 0 | 1 26 | 24 5 | 1 11 | 13 20 | 0 51 | 22 49 | 0 8 | 20 56 | 0 4 | 11 22 | 0 48 | 5 56 | 16 28 | 16 1 | 16 16 | 16 58 | 16 54 | 6 17 |
| S 16 | 12 49 | 2 1 | 2 42 | 19 43 | 1 56 | 3 34 | 1 28 | 24 9 | 1 11 | 13 17 | 0 51 | 22 49 | 0 8 | 20 56 | 0 4 | 11 21 | 0 48 | 5 56 | 16 28 | 16 2 | 16 17 | 17 1 | 16 54 | 6 17 |
| M17 | 13 8 | 3n28 | 3 31 | 20 18 | 2 3 | 3 8 | 1 30 | 24 13 | 1 11 | 13 13 | 0 51 | 22 48 | 0 8 | 20 57 | 0 4 | 11 21 | 0 48 | 5 55 | 16 28 | 16 4 | 16 18 | 17 3 | 16 54 | 6 16 |
| T 18 | 13 28 | 8 48 | 4 11 | 20 51 | 2 9 | 2 42 | 1 32 | 24 16 | 1 11 | 13 10 | 0 52 | 22 48 | 0 8 | 20 57 | 0 4 | 11 20 | 0 48 | 5 55 | 16 28 | 16 7 | 16 19 | 17 6 | 16 54 | 6 16 |
| W19 | 13 47 | 13 48 | 4 39 | 21 20 | 2 15 | 2 16 | 1 34 | 24 19 | 1 11 | 13 8 | 0 52 | 22 48 | 0 8 | 20 58 | 0 4 | 11 20 | 0 48 | 5 54 | 16 28 | 16 11 | 16 20 | 17 8 | 16 54 | 6 16 |
| T 20 | 14 6 | 18 17 | 4 56 | 21 48 | 2 20 | 1 49 | 1 36 | 24 22 | 1 11 | 13 5 | 0 52 | 22 47 | 0 8 | 20 59 | 0 4 | 11 20 | 0 48 | 5 54 | 16 28 | 16 15 | 16 21 | 17 11 | 16 55 | 6 15 |
| F 21 | 14 25 | 22 4 | 4 59 | 22 13 | 2 24 | 1 23 | 1 37 | 24 25 | 1 11 | 13 2 | 0 52 | 22 47 | 0 8 | 20 59 | 0 4 | 11 19 | 0 48 | 5 54 | 16 28 | 16 19 | 16 22 | 17 13 | 16 55 | 6 15 |
| S 22 | 14 44 | 24 56 | 4 50 | 22 35 | 2 27 | 0 56 | 1 39 | 24 27 | 1 12 | 12 59 | 0 53 | 22 46 | 0 8 | 21 0 | 0 4 | 11 19 | 0 48 | 5 53 | 16 29 | 16 23 | 16 23 | 17 16 | 16 55 | 6 14 |
| S 23 | 15 2 | 26 43 | 4 27 | 22 55 | 2 29 | 0 30 | 1 41 | 24 30 | 1 12 | 12 56 | 0 53 | 22 46 | 0 8 | 21 1 | 0 4 | 11 18 | 0 48 | 5 53 | 16 29 | 16 27 | 16 24 | 17 18 | 16 55 | 6 14 |
| M24 | 15 20 | 27 16 | 3 52 | 23 13 | 2 31 | 0 3 | 1 42 | 24 32 | 1 12 | 12 53 | 0 53 | 22 45 | 0 8 | 21 1 | 0 4 | 11 18 | 0 48 | 5 52 | 16 29 | 16 29 | 16 25 | 17 21 | 16 55 | 6 13 |
| T 25 | 15 38 | 26 29 | 3 7 | 23 28 | 2 31 | 0n24 | 1 43 | 24 34 | 1 12 | 12 51 | 0 53 | 22 45 | 0 8 | 21 2 | 0 4 | 11 18 | 0 48 | 5 52 | 16 29 | 16 31 | 16 26 | 17 24 | 16 55 | 6 13 |
| W26 | 15 55 | 24 22 | 2 11 | 23 41 | 2 31 | 0 51 | 1 45 | 24 36 | 1 12 | 12 48 | 0 54 | 22 44 | 0 8 | 21 2 | 0 4 | 11 17 | 0 48 | 5 52 | 16 29 | 16 32 | 16 26 | 17 26 | 16 55 | 6 12 |
| T 27 | 16 13 | 21 1 | 1 8 | 23 52 | 2 30 | 1 17 | 1 46 | 24 38 | 1 12 | 12 45 | 0 54 | 22 44 | 0 9 | 21 3 | 0 4 | 11 17 | 0 48 | 5 51 | 16 29 | 16 33 | 16 27 | 17 29 | 16 55 | 6 12 |
| F 28 | 16 30 | 16 34 | 0 0 | 24 0 | 2 27 | 1 44 | 1 47 | 24 39 | 1 12 | 12 43 | 0 54 | 22 43 | 0 9 | 21 4 | 0 4 | 11 17 | 0 48 | 5 51 | 16 29 | 16 33 | 16 28 | 17 31 | 16 56 | 6 12 |
| S 29 | 16 46 | 11 11 | 1s10 | 24 7 | 2 24 | 2 11 | 1 48 | 24 40 | 1 12 | 12 40 | 0 54 | 22 43 | 0 9 | 21 4 | 0 4 | 11 16 | 0 48 | 5 51 | 16 29 | 16 33 | 16 29 | 17 33 | 16 56 | 6 11 |
| S 30 | 17n 3 | 5n 6 | 2s18 | 24n12 | 2n20 | 2n38 | 1s49 | 24n42 | 1n12 | 12s38 | 0s55 | 22n42 | 0n 9 | 21n 5 | 0s 4 | 11s16 | 0s48 | 5s50 | 16s29 | 16s33 | 16s30 | 17n36 | 16n56 | 6s11 |

Julian Day Number = 2216792.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'30, Lahiri = 14°53'30 Julian Calendar 1 Apr. 1357 == Greg. Calendar 9 Apr. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## MAY 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 7 29 | 18♉14'03 | 25♍55 | 9♊55 | 12♈ 1 | 27♊25 | 29♒22 | 16♋ 6 | 4♊44 | 2♓47 | 24♈30 | 14°R24 | 14♒34 | 3♉59 | 10♋51 | M 1 |
| T 2 | 15 11 25 | 19°11'44 | 10♎37 | 10°41 | 13°12 | 28° 2 | 29°30 | 16°11 | 4°47 | 2°48 | 24°31 | 14♒18 | 14°31 | 4° 5 | 10°56 | T 2 |
| W 3 | 15 15 22 | 20° 9'24 | 25°39 | 11°22 | 14°23 | 28°40 | 29°37 | 16°17 | 4°51 | 2°49 | 24°32 | 14°10 | 14°28 | 4°12 | 11° 1 | W 3 |
| T 4 | 15 19 18 | 21° 7'03 | 10♏54 | 11°59 | 15°33 | 29°18 | 29°44 | 16°22 | 4°54 | 2°50 | 24°33 | 13°59 | 14°25 | 4°19 | 11° 6 | T 4 |
| F 5 | 15 23 15 | 22° 4'40 | 26°11 | 12°31 | 16°44 | 29°56 | 29°51 | 16°28 | 4°58 | 2°51 | 24°35 | 13°49 | 14°22 | 4°26 | 11°11 | F 5 |
| S 6 | 15 27 12 | 23° 2'16 | 11♐19 | 12°58 | 17°55 | 0♋34 | 29°58 | 16°33 | 5° 1 | 2°51 | 24°36 | 13°39 | 14°18 | 4°32 | 11°16 | S 6 |
| S 7 | 15 31 8 | 23°59'51 | 26° 7 | 13°21 | 19° 6 | 1°12 | 0♓ 5 | 16°39 | 5° 4 | 2°52 | 24°37 | 13°30 | 14°15 | 4°39 | 11°21 | S 7 |
| M 8 | 15 35 5 | 24°57'25 | 10♑28 | 13°39 | 20°17 | 1°49 | 0°11 | 16°45 | 5° 8 | 2°53 | 24°38 | 13°25 | 14°12 | 4°46 | 11°26 | M 8 |
| T 9 | 15 39 1 | 25°54'58 | 24°21 | 13°52 | 21°28 | 2°27 | 0°18 | 16°50 | 5°11 | 2°53 | 24°40 | 13°21 | 14° 9 | 4°53 | 11°31 | T 9 |
| W10 | 15 42 58 | 26°52'30 | 7♒44 | 14° 1 | 22°39 | 3° 5 | 0°24 | 16°56 | 5°15 | 2°54 | 24°41 | 13°D20 | 14° 6 | 4°59 | 11°37 | W10 |
| T 11 | 15 46 54 | 27°50'00 | 20°41 | 14°R 5 | 23°50 | 3°43 | 0°30 | 17° 2 | 5°19 | 2°54 | 24°42 | 13°20 | 14° 3 | 5° 6 | 11°42 | T 11 |
| F 12 | 15 50 51 | 28°47'31 | 3♓15 | 14° 4 | 25° 1 | 4°20 | 0°36 | 17° 8 | 5°22 | 2°55 | 24°43 | 13°R20 | 13°59 | 5°13 | 11°48 | F 12 |
| S 13 | 15 54 47 | 29°45'00 | 15°31 | 13°59 | 26°12 | 4°58 | 0°42 | 17°14 | 5°26 | 2°56 | 24°44 | 13°19 | 13°56 | 5°19 | 11°53 | S 13 |
| S 14 | 15 58 44 | 0♊42'28 | 27°35 | 13°49 | 27°24 | 5°36 | 0°47 | 17°20 | 5°29 | 2°56 | 24°46 | 13°16 | 13°53 | 5°26 | 11°59 | S 14 |
| M15 | 16 2 41 | 1°39'56 | 9♈30 | 13°36 | 28°35 | 6°14 | 0°53 | 17°27 | 5°33 | 2°56 | 24°47 | 13°11 | 13°50 | 5°33 | 12° 4 | M15 |
| T 16 | 16 6 37 | 2°37'23 | 21°22 | 13°18 | 29°46 | 6°52 | 0°58 | 17°33 | 5°36 | 2°57 | 24°48 | 13° 3 | 13°47 | 5°40 | 12°10 | T 16 |
| W17 | 16 10 34 | 3°34'49 | 3♉13 | 12°57 | 0♉58 | 7°29 | 1° 3 | 17°39 | 5°40 | 2°57 | 24°49 | 12°52 | 13°44 | 5°46 | 12°16 | W17 |
| T 18 | 16 14 30 | 4°32'14 | 15° 5 | 12°33 | 2° 9 | 8° 7 | 1° 8 | 17°45 | 5°43 | 2°58 | 24°50 | 12°40 | 13°40 | 5°53 | 12°21 | T 18 |
| F 19 | 16 18 27 | 5°29'38 | 27° 2 | 12° 5 | 3°20 | 8°45 | 1°13 | 17°52 | 5°47 | 2°58 | 24°51 | 12°28 | 13°37 | 6° 0 | 12°27 | F 19 |
| S 20 | 16 22 23 | 6°27'02 | 9♊ 3 | 11°36 | 4°32 | 9°23 | 1°17 | 17°58 | 5°50 | 2°58 | 24°52 | 12°16 | 13°34 | 6° 7 | 12°33 | S 20 |
| S 21 | 16 26 20 | 7°24'25 | 21°12 | 11° 5 | 5°43 | 10° 0 | 1°22 | 18° 5 | 5°54 | 2°58 | 24°53 | 12° 6 | 13°31 | 6°13 | 12°39 | S 21 |
| M22 | 16 30 16 | 8°21'47 | 3♋27 | 10°32 | 6°55 | 10°38 | 1°26 | 18°11 | 5°57 | 2°59 | 24°54 | 11°58 | 13°28 | 6°20 | 12°45 | M22 |
| T 23 | 16 34 13 | 9°19'08 | 15°52 | 9°58 | 8° 6 | 11°16 | 1°30 | 18°18 | 6° 1 | 2°59 | 24°55 | 11°52 | 13°24 | 6°27 | 12°51 | T 23 |
| W24 | 16 38 10 | 10°16'28 | 28°28 | 9°25 | 9°18 | 11°54 | 1°34 | 18°25 | 6° 4 | 2°59 | 24°57 | 11°49 | 13°21 | 6°33 | 12°57 | W24 |
| T 25 | 16 42 6 | 11°13'47 | 11♌17 | 8°52 | 10°29 | 12°31 | 1°38 | 18°31 | 6° 8 | 2°59 | 24°58 | 11°D48 | 13°18 | 6°40 | 13° 3 | T 25 |
| F 26 | 16 46 3 | 12°11'05 | 24°22 | 8°19 | 11°41 | 13° 9 | 1°41 | 18°38 | 6°12 | 2°59 | 24°59 | 11°49 | 13°15 | 6°47 | 13° 9 | F 26 |
| S 27 | 16 49 59 | 13° 8'23 | 7♍45 | 7°49 | 12°53 | 13°47 | 1°44 | 18°45 | 6°15 | 2°59 | 25° 0 | 11°R49 | 13°12 | 6°54 | 13°15 | S 27 |
| S 28 | 16 53 56 | 14° 5'39 | 21°29 | 7°20 | 14° 4 | 14°25 | 1°48 | 18°52 | 6°19 | 2°R59 | 25° 0 | 11°49 | 13° 9 | 7° 0 | 13°21 | S 28 |
| M29 | 16 57 52 | 15° 2'54 | 5♎35 | 6°53 | 15°16 | 15° 2 | 1°51 | 18°58 | 6°22 | 2°59 | 25° 1 | 11°47 | 13° 5 | 7° 7 | 13°27 | M29 |
| T 30 | 17 1 49 | 16° 0'08 | 20° 2 | 6°30 | 16°28 | 15°40 | 1°53 | 19° 5 | 6°26 | 2°59 | 25° 2 | 11°44 | 13° 2 | 7°14 | 13°34 | T 30 |
| W31 | 17 5 45 | 16♊57'22 | 4♏47 | 6♊10 | 17♉40 | 16♋18 | 1♓56 | 19♋12 | 6♊29 | 2♓59 | 25♈ 3 | 11♒38 | 12♒59 | 7♉20 | 13♋40 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n19 | 1s26 | 3s20 | 24n14 | 2n15 | 3n 5 | 1s50 | 24n42 | 1n13 | 12s35 | 0s55 | 22n42 | 0n 9 | 21n 6 | 0s 4 | 11s16 | 0s48 | 5s50 | 16s29 | 16s34 | 16s31 | 17n38 | 16n56 | 6s10 |
| T 2 | 17 35 | 8 3 | 4 11 | 24 15 | 2 9 | 3 32 | 1 50 | 24 43 | 1 13 | 12 33 | 0 55 | 22 41 | 0 9 | 21 6 | 0 4 | 11 16 | 0 48 | 5 50 | 16 30 | 16 36 | 16 32 | 17 41 | 16 56 | 6 10 |
| W 3 | 17 51 | 14 22 | 4 45 | 24 14 | 2 1 | 3 59 | 1 51 | 24 44 | 1 13 | 12 31 | 0 55 | 22 41 | 0 9 | 21 7 | 0 4 | 11 15 | 0 48 | 5 49 | 16 30 | 16 38 | 16 33 | 17 43 | 16 56 | 6 10 |
| T 4 | 18 6 | 19 54 | 5 0 | 24 11 | 1 53 | 4 26 | 1 52 | 24 44 | 1 13 | 12 28 | 0 56 | 22 40 | 0 9 | 21 7 | 0 4 | 11 15 | 0 48 | 5 49 | 16 30 | 16 41 | 16 34 | 17 46 | 16 56 | 6 9 |
| F 5 | 18 21 | 24 7 | 4 53 | 24 6 | 1 44 | 4 53 | 1 52 | 24 44 | 1 13 | 12 26 | 0 56 | 22 39 | 0 9 | 21 8 | 0 4 | 11 15 | 0 48 | 5 49 | 16 30 | 16 44 | 16 35 | 17 48 | 16 56 | 6 9 |
| S 6 | 18 36 | 26 37 | 4 26 | 24 0 | 1 34 | 5 19 | 1 52 | 24 44 | 1 13 | 12 24 | 0 56 | 22 39 | 0 9 | 21 9 | 0 4 | 11 15 | 0 48 | 5 48 | 16 30 | 16 47 | 16 36 | 17 51 | 16 56 | 6 8 |
| S 7 | 18 50 | 27 10 | 3 42 | 23 52 | 1 23 | 5 46 | 1 53 | 24 44 | 1 13 | 12 22 | 0 56 | 22 38 | 0 9 | 21 9 | 0 4 | 11 14 | 0 48 | 5 48 | 16 30 | 16 50 | 16 37 | 17 53 | 16 56 | 6 8 |
| M 8 | 19 4 | 25 50 | 2 44 | 23 42 | 1 12 | 6 13 | 1 53 | 24 44 | 1 13 | 12 20 | 0 57 | 22 38 | 0 9 | 21 10 | 0 4 | 11 14 | 0 48 | 5 48 | 16 30 | 16 51 | 16 38 | 17 56 | 16 55 | 6 8 |
| T 9 | 19 18 | 22 57 | 1 39 | 23 31 | 0 59 | 6 39 | 1 53 | 24 43 | 1 13 | 12 18 | 0 57 | 22 37 | 0 9 | 21 11 | 0 4 | 11 14 | 0 48 | 5 47 | 16 31 | 16 52 | 16 39 | 17 58 | 16 55 | 6 7 |
| W10 | 19 32 | 18 53 | 0 30 | 23 19 | 0 45 | 7 6 | 1 53 | 24 42 | 1 13 | 12 16 | 0 57 | 22 36 | 0 10 | 21 11 | 0 4 | 11 14 | 0 48 | 5 47 | 16 31 | 16 53 | 16 39 | 18 1 | 16 55 | 6 7 |
| T 11 | 19 45 | 14 2 | 0n39 | 23 5 | 0 31 | 7 32 | 1 53 | 24 41 | 1 13 | 12 14 | 0 57 | 22 36 | 0 10 | 21 12 | 0 4 | 11 14 | 0 48 | 5 47 | 16 31 | 16 53 | 16 40 | 18 3 | 16 55 | 6 7 |
| F 12 | 19 58 | 8 45 | 1 43 | 22 50 | 0 16 | 7 58 | 1 53 | 24 40 | 1 13 | 12 12 | 0 58 | 22 35 | 0 10 | 21 13 | 0 4 | 11 13 | 0 48 | 5 47 | 16 31 | 16 53 | 16 41 | 18 5 | 16 55 | 6 6 |
| S 13 | 20 10 | 3 15 | 2 42 | 22 34 | 0 0 | 8 24 | 1 53 | 24 39 | 1 13 | 12 10 | 0 58 | 22 34 | 0 10 | 21 13 | 0 4 | 11 13 | 0 49 | 5 46 | 16 31 | 16 53 | 16 42 | 18 8 | 16 55 | 6 6 |
| S 14 | 20 22 | 2n16 | 3 32 | 22 17 | 0s16 | 8 50 | 1 52 | 24 38 | 1 13 | 12 8 | 0 58 | 22 34 | 0 10 | 21 14 | 0 4 | 11 13 | 0 49 | 5 46 | 16 31 | 16 54 | 16 43 | 18 10 | 16 55 | 6 6 |
| M15 | 20 34 | 7 38 | 4 12 | 21 58 | 0 33 | 9 16 | 1 52 | 24 36 | 1 13 | 12 7 | 0 58 | 22 33 | 0 10 | 21 14 | 0 4 | 11 13 | 0 49 | 5 46 | 16 32 | 16 55 | 16 44 | 18 13 | 16 55 | 6 5 |
| T 16 | 20 46 | 12 41 | 4 41 | 21 39 | 0 50 | 9 42 | 1 51 | 24 34 | 1 13 | 12 5 | 0 59 | 22 32 | 0 10 | 21 15 | 0 4 | 11 13 | 0 49 | 5 46 | 16 32 | 16 58 | 16 45 | 18 15 | 16 54 | 6 5 |
| W17 | 20 57 | 17 17 | 4 57 | 21 19 | 1 7 | 10 7 | 1 51 | 24 32 | 1 13 | 12 3 | 0 59 | 22 31 | 0 10 | 21 16 | 0 4 | 11 13 | 0 49 | 5 45 | 16 32 | 17 1 | 16 46 | 18 17 | 16 54 | 6 5 |
| T 18 | 21 7 | 21 13 | 5 1 | 20 59 | 1 24 | 10 32 | 1 50 | 24 30 | 1 13 | 12 2 | 0 59 | 22 31 | 0 10 | 21 16 | 0 4 | 11 13 | 0 49 | 5 45 | 16 32 | 17 4 | 16 47 | 18 20 | 16 54 | 6 4 |
| F 19 | 21 18 | 24 18 | 4 52 | 20 39 | 1 42 | 10 57 | 1 50 | 24 27 | 1 13 | 12 1 | 1 0 | 22 30 | 0 10 | 21 17 | 0 4 | 11 13 | 0 49 | 5 45 | 16 32 | 17 7 | 16 48 | 18 22 | 16 54 | 6 4 |
| S 20 | 21 28 | 26 20 | 4 30 | 20 18 | 1 59 | 11 22 | 1 49 | 24 25 | 1 13 | 11 59 | 1 0 | 22 29 | 0 10 | 21 18 | 0 4 | 11 13 | 0 49 | 5 45 | 16 33 | 17 11 | 16 49 | 18 25 | 16 54 | 6 4 |
| S 21 | 21 37 | 27 8 | 3 55 | 19 57 | 2 15 | 11 47 | 1 48 | 24 22 | 1 13 | 11 58 | 1 0 | 22 28 | 0 10 | 21 18 | 0 4 | 11 12 | 0 49 | 5 45 | 16 33 | 17 14 | 16 50 | 18 27 | 16 53 | 6 4 |
| M22 | 21 47 | 26 38 | 3 9 | 19 37 | 2 31 | 12 11 | 1 47 | 24 19 | 1 13 | 11 57 | 1 0 | 22 27 | 0 10 | 21 19 | 0 4 | 11 12 | 0 49 | 5 45 | 16 33 | 17 16 | 16 50 | 18 29 | 16 53 | 6 3 |
| T 23 | 21 56 | 24 47 | 2 14 | 19 17 | 2 47 | 12 35 | 1 46 | 24 16 | 1 13 | 11 55 | 1 1 | 22 27 | 0 11 | 21 20 | 0 4 | 11 12 | 0 49 | 5 44 | 16 33 | 17 18 | 16 51 | 18 32 | 16 53 | 6 3 |
| W24 | 22 4 | 21 41 | 1 11 | 18 57 | 3 1 | 12 59 | 1 45 | 24 13 | 1 13 | 11 54 | 1 1 | 22 26 | 0 11 | 21 20 | 0 4 | 11 12 | 0 49 | 5 44 | 16 33 | 17 18 | 16 52 | 18 34 | 16 52 | 6 3 |
| T 25 | 22 12 | 17 30 | 0 3 | 18 39 | 3 15 | 13 23 | 1 44 | 24 9 | 1 13 | 11 53 | 1 1 | 22 25 | 0 11 | 21 21 | 0 4 | 11 12 | 0 49 | 5 44 | 16 34 | 17 19 | 16 53 | 18 37 | 16 52 | 6 2 |
| F 26 | 22 20 | 12 24 | 1s 7 | 18 22 | 3 27 | 13 46 | 1 43 | 24 5 | 1 13 | 11 52 | 1 2 | 22 24 | 0 11 | 21 21 | 0 4 | 11 12 | 0 49 | 5 44 | 16 34 | 17 18 | 16 54 | 18 39 | 16 52 | 6 2 |
| S 27 | 22 27 | 6 37 | 2 14 | 18 6 | 3 39 | 14 9 | 1 41 | 24 2 | 1 13 | 11 51 | 1 2 | 22 23 | 0 11 | 21 22 | 0 4 | 11 12 | 0 49 | 5 44 | 16 34 | 17 18 | 16 55 | 18 41 | 16 51 | 6 2 |
| S 28 | 22 34 | 0 24 | 3 16 | 17 51 | 3 49 | 14 32 | 1 40 | 23 58 | 1 13 | 11 50 | 1 2 | 22 22 | 0 11 | 21 23 | 0 4 | 11 12 | 0 49 | 5 44 | 16 34 | 17 18 | 16 56 | 18 44 | 16 51 | 6 2 |
| M29 | 22 41 | 6s 0 | 4 7 | 17 38 | 3 58 | 14 54 | 1 39 | 23 53 | 1 13 | 11 50 | 1 2 | 22 21 | 0 11 | 21 23 | 0 4 | 11 12 | 0 49 | 5 44 | 16 35 | 17 19 | 16 57 | 18 46 | 16 51 | 6 2 |
| T 30 | 22 47 | 12 14 | 4 44 | 17 27 | 4 5 | 15 16 | 1 37 | 23 49 | 1 13 | 11 49 | 1 3 | 22 21 | 0 11 | 21 24 | 0 4 | 11 13 | 0 49 | 5 43 | 16 35 | 17 20 | 16 58 | 18 48 | 16 50 | 6 1 |
| W31 | 22n53 | 17s55 | 5s 3 | 17n17 | 4s11 | 15n38 | 1s36 | 23n44 | 1n13 | 11s48 | 1s 3 | 22n20 | 0n11 | 21n24 | 0s 4 | 11s13 | 0s49 | 5s43 | 16s35 | 17s21 | 16s59 | 18n51 | 16n50 | 6s 1 |

Julian Day Number = 2216822.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'28, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'34, Lahiri = 14°53'34 Julian Calendar 1 May 1357 == Greg. Calendar 9 May 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## JUNE 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 9 42 | 17♊54'35 | 19♏44 | 5°R54 | 18♉51 | 16♋56 | 1♓58 | 19♋19 | 6♊33 | 2°R59 | 25♈ 4 | 11°R30 | 12♒56 | 7♉27 | 13♋46 | T 1 |
| F 2 | 17 13 39 | 18°51'47 | 4♐45 | 5♊42 | 20° 3 | 17°33 | 2° 1 | 19°26 | 6°36 | 2♓59 | 25° 5 | 11♒23 | 12°53 | 7°34 | 13°52 | F 2 |
| S 3 | 17 17 35 | 19°48'59 | 19°40 | 5°34 | 21°15 | 18°11 | 2° 3 | 19°34 | 6°40 | 2°59 | 25° 6 | 11°15 | 12°50 | 7°41 | 13°59 | S 3 |
| S 4 | 17 21 32 | 20°46'11 | 4♑21 | 5°D30 | 22°27 | 18°49 | 2° 5 | 19°41 | 6°43 | 2°59 | 25° 7 | 11° 9 | 12°46 | 7°47 | 14° 5 | S 4 |
| M 5 | 17 25 28 | 21°43'22 | 18°40 | 5°31 | 23°39 | 19°27 | 2° 6 | 19°48 | 6°46 | 2°58 | 25° 8 | 11° 5 | 12°43 | 7°54 | 14°12 | M 5 |
| T 6 | 17 29 25 | 22°40'33 | 2♒33 | 5°36 | 24°51 | 20° 4 | 2° 8 | 19°55 | 6°50 | 2°58 | 25° 9 | 11° 3 | 12°40 | 8° 1 | 14°18 | T 6 |
| W 7 | 17 33 21 | 23°37'44 | 16° 0 | 5°47 | 26° 3 | 20°42 | 2° 9 | 20° 2 | 6°53 | 2°58 | 25° 9 | 11°D 3 | 12°37 | 8° 8 | 14°24 | W 7 |
| T 8 | 17 37 18 | 24°34'54 | 29° 1 | 6° 2 | 27°15 | 21°20 | 2°10 | 20° 9 | 6°57 | 2°57 | 25°10 | 11° 4 | 12°34 | 8°14 | 14°31 | T 8 |
| F 9 | 17 41 15 | 25°32'05 | 11♓39 | 6°21 | 28°27 | 21°58 | 2°11 | 20°17 | 7° 0 | 2°57 | 25°11 | 11° 5 | 12°30 | 8°21 | 14°37 | F 9 |
| S 10 | 17 45 11 | 26°29'16 | 23°58 | 6°46 | 29°39 | 22°35 | 2°12 | 20°24 | 7° 4 | 2°57 | 25°12 | 11°R 6 | 12°27 | 8°28 | 14°44 | S 10 |
| S 11 | 17 49 8 | 27°26'26 | 6♈ 4 | 7°15 | 0♊51 | 23°13 | 2°12 | 20°31 | 7° 7 | 2°56 | 25°12 | 11° 5 | 12°24 | 8°34 | 14°51 | S 11 |
| M12 | 17 53 4 | 28°23'37 | 18° 0 | 7°49 | 2° 4 | 23°51 | 2°13 | 20°39 | 7°10 | 2°56 | 25°13 | 11° 3 | 12°21 | 8°41 | 14°57 | M12 |
| T 13 | 17 57 1 | 29°20'48 | 29°53 | 8°28 | 3°16 | 24°28 | 2°R13 | 20°46 | 7°14 | 2°55 | 25°14 | 11° 0 | 12°18 | 8°48 | 15° 4 | T 13 |
| W14 | 18 0 57 | 0♋17'59 | 11♉45 | 9°11 | 4°28 | 25° 6 | 2°13 | 20°54 | 7°17 | 2°55 | 25°15 | 10°54 | 12°15 | 8°55 | 15°10 | W14 |
| T 15 | 18 4 54 | 1°15'11 | 23°40 | 9°59 | 5°40 | 25°44 | 2°12 | 21° 1 | 7°20 | 2°54 | 25°15 | 10°48 | 12°11 | 9° 1 | 15°17 | T 15 |
| F 16 | 18 8 50 | 2°12'22 | 5♊42 | 10°52 | 6°53 | 26°22 | 2°12 | 21° 9 | 7°24 | 2°54 | 25°16 | 10°41 | 12° 8 | 9° 8 | 15°24 | F 16 |
| S 17 | 18 12 47 | 3° 9'34 | 17°51 | 11°48 | 8° 5 | 27° 0 | 2°11 | 21°16 | 7°27 | 2°53 | 25°17 | 10°34 | 12° 5 | 9°15 | 15°30 | S 17 |
| S 18 | 18 16 44 | 4° 6'46 | 0♋11 | 12°50 | 9°17 | 27°37 | 2°10 | 21°24 | 7°30 | 2°52 | 25°17 | 10°28 | 12° 2 | 9°22 | 15°37 | S 18 |
| M19 | 18 20 40 | 5° 3'57 | 12°41 | 13°55 | 10°30 | 28°15 | 2° 9 | 21°31 | 7°33 | 2°52 | 25°18 | 10°24 | 11°59 | 9°28 | 15°44 | M19 |
| T 20 | 18 24 37 | 6° 1'09 | 25°23 | 15° 5 | 11°42 | 28°53 | 2° 8 | 21°39 | 7°37 | 2°51 | 25°18 | 10°21 | 11°56 | 9°35 | 15°51 | T 20 |
| W21 | 18 28 33 | 6°58'21 | 8♌17 | 16°19 | 12°55 | 29°31 | 2° 7 | 21°46 | 7°40 | 2°50 | 25°19 | 10°D20 | 11°52 | 9°42 | 15°57 | W21 |
| T 22 | 18 32 30 | 7°55'33 | 21°23 | 17°37 | 14° 7 | 0♌ 8 | 2° 5 | 21°54 | 7°43 | 2°50 | 25°19 | 10°21 | 11°49 | 9°48 | 16° 4 | T 22 |
| F 23 | 18 36 26 | 8°52'45 | 4♍42 | 18°59 | 15°20 | 0°46 | 2° 3 | 22° 2 | 7°46 | 2°49 | 25°20 | 10°22 | 11°46 | 9°55 | 16°11 | F 23 |
| S 24 | 18 40 23 | 9°49'57 | 18°16 | 20°25 | 16°32 | 1°24 | 2° 1 | 22° 9 | 7°49 | 2°48 | 25°21 | 10°23 | 11°43 | 10° 2 | 16°18 | S 24 |
| S 25 | 18 44 19 | 10°47'09 | 2♎ 4 | 21°55 | 17°45 | 2° 2 | 1°59 | 22°17 | 7°52 | 2°47 | 25°21 | 10°25 | 11°40 | 10° 9 | 16°24 | S 25 |
| M26 | 18 48 16 | 11°44'20 | 16° 7 | 23°29 | 18°58 | 2°40 | 1°57 | 22°25 | 7°56 | 2°46 | 25°21 | 10°R25 | 11°36 | 10°15 | 16°31 | M26 |
| T 27 | 18 52 13 | 12°41'32 | 0♏23 | 25° 7 | 20°10 | 3°17 | 1°54 | 22°32 | 7°59 | 2°45 | 25°22 | 10°24 | 11°33 | 10°22 | 16°38 | T 27 |
| W28 | 18 56 9 | 13°38'44 | 14°49 | 26°48 | 21°23 | 3°55 | 1°51 | 22°40 | 8° 2 | 2°44 | 25°22 | 10°22 | 11°30 | 10°29 | 16°45 | W28 |
| T 29 | 19 0 6 | 14°35'57 | 29°23 | 28°33 | 22°36 | 4°33 | 1°48 | 22°48 | 8° 5 | 2°44 | 25°23 | 10°19 | 11°27 | 10°35 | 16°52 | T 29 |
| F 30 | 19 4 2 | 15♋33'09 | 13♐59 | 0♋21 | 23♊48 | 5♌11 | 1♓45 | 22♋55 | 8♊ 8 | 2♓43 | 25♈23 | 10♒15 | 11♒24 | 10♉42 | 16♋59 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n58 | 22s35 | 5s 2 | 17n10 | 4s16 | 15n59 | 1s34 | 23n40 | 1n13 | 11s48 | 1s 3 | 22n19 | 0n11 | 21n25 | 0s 4 | 11s13 | 0s49 | 5s43 | 16s35 | 17s24 | 17s 0 | 18n53 | 16n49 | 6s 1 | T 1 |
| F 2 | 23 3 | 25 46 | 4 41 | 17 5 | 4 19 | 16 20 | 1 33 | 23 35 | 1 13 | 11 47 | 1 4 | 22 18 | 0 11 | 21 26 | 0 4 | 11 13 | 0 49 | 5 43 | 16 36 | 17 26 | 17 0 | 18 55 | 16 49 | 6 1 | F 2 |
| S 3 | 23 8 | 27 7 | 4 0 | 17 1 | 4 21 | 16 41 | 1 31 | 23 30 | 1 13 | 11 47 | 1 4 | 22 17 | 0 11 | 21 26 | 0 4 | 11 13 | 0 49 | 5 43 | 16 36 | 17 28 | 17 1 | 18 58 | 16 49 | 6 1 | S 3 |
| S 4 | 23 12 | 26 31 | 3 4 | 17 0 | 4 22 | 17 1 | 1 29 | 23 24 | 1 13 | 11 46 | 1 4 | 22 16 | 0 12 | 21 27 | 0 4 | 11 13 | 0 49 | 5 43 | 16 36 | 17 29 | 17 2 | 19 0 | 16 48 | 6 0 | S 4 |
| M 5 | 23 16 | 24 9 | 1 57 | 17 1 | 4 21 | 17 21 | 1 27 | 23 19 | 1 13 | 11 46 | 1 4 | 22 15 | 0 12 | 21 27 | 0 4 | 11 13 | 0 49 | 5 43 | 16 36 | 17 31 | 17 3 | 19 2 | 16 48 | 6 0 | M 5 |
| T 6 | 23 19 | 20 24 | 0 46 | 17 3 | 4 20 | 17 40 | 1 25 | 23 13 | 1 13 | 11 46 | 1 5 | 22 14 | 0 12 | 21 28 | 0 4 | 11 13 | 0 49 | 5 43 | 16 37 | 17 31 | 17 4 | 19 4 | 16 47 | 6 0 | T 6 |
| W 7 | 23 22 | 15 40 | 0n27 | 17 8 | 4 17 | 17 59 | 1 24 | 23 8 | 1 13 | 11 45 | 1 5 | 22 13 | 0 12 | 21 29 | 0 4 | 11 13 | 0 49 | 5 43 | 16 37 | 17 31 | 17 5 | 19 7 | 16 47 | 6 0 | W 7 |
| T 8 | 23 25 | 10 22 | 1 35 | 17 14 | 4 13 | 18 17 | 1 22 | 23 2 | 1 13 | 11 45 | 1 5 | 22 12 | 0 12 | 21 29 | 0 4 | 11 13 | 0 49 | 5 43 | 16 37 | 17 31 | 17 6 | 19 9 | 16 46 | 6 0 | T 8 |
| F 9 | 23 27 | 4 48 | 2 38 | 17 23 | 4 8 | 18 35 | 1 20 | 22 56 | 1 13 | 11 45 | 1 6 | 22 11 | 0 12 | 21 30 | 0 4 | 11 14 | 0 50 | 5 43 | 16 38 | 17 31 | 17 7 | 19 11 | 16 46 | 6 0 | F 9 |
| S 10 | 23 29 | 0n49 | 3 31 | 17 33 | 4 2 | 18 53 | 1 18 | 22 50 | 1 13 | 11 45 | 1 6 | 22 10 | 0 12 | 21 30 | 0 4 | 11 14 | 0 50 | 5 43 | 16 38 | 17 30 | 17 8 | 19 14 | 16 45 | 5 59 | S 10 |
| S 11 | 23 30 | 6 17 | 4 14 | 17 44 | 3 55 | 19 10 | 1 16 | 22 43 | 1 13 | 11 45 | 1 6 | 22 9 | 0 12 | 21 31 | 0 4 | 11 14 | 0 50 | 5 43 | 16 38 | 17 30 | 17 9 | 19 16 | 16 44 | 5 59 | S 11 |
| M12 | 23 31 | 11 28 | 4 45 | 17 57 | 3 47 | 19 27 | 1 13 | 22 37 | 1 13 | 11 46 | 1 7 | 22 8 | 0 12 | 21 31 | 0 4 | 11 14 | 0 50 | 5 43 | 16 38 | 17 31 | 17 9 | 19 18 | 16 44 | 5 59 | M12 |
| T 13 | 23 31 | 16 11 | 5 3 | 18 11 | 3 39 | 19 43 | 1 11 | 22 30 | 1 13 | 11 46 | 1 7 | 22 7 | 0 12 | 21 32 | 0 4 | 11 14 | 0 50 | 5 43 | 16 39 | 17 32 | 17 10 | 19 20 | 16 43 | 5 59 | T 13 |
| W14 | 23 31 | 20 18 | 5 9 | 18 27 | 3 30 | 19 59 | 1 9 | 22 23 | 1 13 | 11 46 | 1 7 | 22 6 | 0 12 | 21 33 | 0 4 | 11 15 | 0 50 | 5 43 | 16 39 | 17 33 | 17 11 | 19 23 | 16 43 | 5 59 | W14 |
| T 15 | 23 31 | 23 37 | 5 1 | 18 44 | 3 20 | 20 14 | 1 7 | 22 16 | 1 13 | 11 46 | 1 7 | 22 5 | 0 12 | 21 33 | 0 4 | 11 15 | 0 50 | 5 43 | 16 39 | 17 35 | 17 12 | 19 25 | 16 42 | 5 59 | T 15 |
| F 16 | 23 30 | 25 56 | 4 40 | 19 1 | 3 10 | 20 29 | 1 5 | 22 9 | 1 13 | 11 47 | 1 8 | 22 4 | 0 12 | 21 34 | 0 4 | 11 15 | 0 50 | 5 43 | 16 40 | 17 37 | 17 13 | 19 27 | 16 41 | 5 59 | F 16 |
| S 17 | 23 29 | 27 4 | 4 7 | 19 20 | 2 59 | 20 43 | 1 2 | 22 1 | 1 13 | 11 47 | 1 8 | 22 3 | 0 13 | 21 34 | 0 4 | 11 15 | 0 50 | 5 43 | 16 40 | 17 39 | 17 14 | 19 29 | 16 41 | 5 59 | S 17 |
| S 18 | 23 28 | 26 52 | 3 21 | 19 39 | 2 47 | 20 56 | 1 0 | 21 54 | 1 13 | 11 48 | 1 8 | 22 1 | 0 13 | 21 35 | 0 4 | 11 16 | 0 50 | 5 43 | 16 40 | 17 41 | 17 15 | 19 32 | 16 40 | 5 59 | S 18 |
| M19 | 23 26 | 25 19 | 2 25 | 19 58 | 2 36 | 21 9 | 0 58 | 21 46 | 1 12 | 11 49 | 1 9 | 22 0 | 0 13 | 21 35 | 0 4 | 11 16 | 0 50 | 5 43 | 16 40 | 17 42 | 17 16 | 19 34 | 16 39 | 5 59 | M19 |
| T 20 | 23 23 | 22 28 | 1 21 | 20 18 | 2 24 | 21 22 | 0 55 | 21 38 | 1 12 | 11 49 | 1 9 | 21 59 | 0 13 | 21 36 | 0 4 | 11 16 | 0 50 | 5 43 | 16 41 | 17 42 | 17 17 | 19 36 | 16 39 | 5 59 | T 20 |
| W21 | 23 20 | 18 27 | 0 11 | 20 39 | 2 11 | 21 33 | 0 53 | 21 30 | 1 12 | 11 50 | 1 9 | 21 58 | 0 13 | 21 36 | 0 4 | 11 16 | 0 50 | 5 43 | 16 41 | 17 43 | 17 17 | 19 38 | 16 38 | 5 58 | W21 |
| T 22 | 23 17 | 13 29 | 1s 0 | 20 59 | 1 59 | 21 45 | 0 50 | 21 22 | 1 12 | 11 51 | 1 10 | 21 57 | 0 13 | 21 37 | 0 4 | 11 17 | 0 50 | 5 44 | 16 41 | 17 43 | 17 18 | 19 40 | 16 37 | 5 58 | T 22 |
| F 23 | 23 14 | 7 49 | 2 9 | 21 19 | 1 46 | 21 55 | 0 48 | 21 14 | 1 12 | 11 52 | 1 10 | 21 56 | 0 13 | 21 37 | 0 4 | 11 17 | 0 50 | 5 44 | 16 42 | 17 42 | 17 19 | 19 43 | 16 37 | 5 58 | F 23 |
| S 24 | 23 10 | 1 42 | 3 13 | 21 38 | 1 33 | 22 5 | 0 45 | 21 5 | 1 12 | 11 53 | 1 10 | 21 55 | 0 13 | 21 38 | 0 4 | 11 17 | 0 50 | 5 44 | 16 42 | 17 42 | 17 20 | 19 45 | 16 36 | 5 58 | S 24 |
| S 25 | 23 5 | 4s35 | 4 6 | 21 57 | 1 20 | 22 15 | 0 43 | 20 57 | 1 12 | 11 54 | 1 10 | 21 54 | 0 13 | 21 39 | 0 4 | 11 18 | 0 50 | 5 44 | 16 42 | 17 42 | 17 21 | 19 47 | 16 35 | 5 58 | S 25 |
| M26 | 23 0 | 10 45 | 4 46 | 22 15 | 1 6 | 22 24 | 0 40 | 20 48 | 1 12 | 11 55 | 1 11 | 21 52 | 0 13 | 21 39 | 0 4 | 11 18 | 0 50 | 5 44 | 16 43 | 17 42 | 17 22 | 19 49 | 16 34 | 5 58 | M26 |
| T 27 | 22 55 | 16 27 | 5 8 | 22 33 | 0 53 | 22 32 | 0 38 | 20 39 | 1 12 | 11 56 | 1 11 | 21 51 | 0 13 | 21 40 | 0 4 | 11 18 | 0 50 | 5 44 | 16 43 | 17 42 | 17 23 | 19 51 | 16 33 | 5 58 | T 27 |
| W28 | 22 49 | 21 18 | 5 12 | 22 49 | 0 41 | 22 40 | 0 35 | 20 30 | 1 12 | 11 58 | 1 11 | 21 50 | 0 13 | 21 40 | 0 4 | 11 19 | 0 50 | 5 44 | 16 43 | 17 42 | 17 24 | 19 54 | 16 33 | 5 58 | W28 |
| T 29 | 22 43 | 24 54 | 4 56 | 23 3 | 0 28 | 22 46 | 0 33 | 20 21 | 1 12 | 11 59 | 1 12 | 21 49 | 0 14 | 21 41 | 0 4 | 11 19 | 0 50 | 5 45 | 16 44 | 17 43 | 17 24 | 19 56 | 16 32 | 5 58 | T 29 |
| F 30 | 22n37 | 26s52 | 4s21 | 23n16 | 0s15 | 22n53 | 0s30 | 20n12 | 1n12 | 12s 0 | 1s12 | 21n48 | 0n14 | 21n41 | 0s 3 | 11s20 | 0s50 | 5s45 | 16s44 | 17s44 | 17s25 | 19n58 | 16n31 | 5s58 | F 30 |

Julian Day Number = 2216853.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'38, Lahiri = 14°53'39 Julian Calendar 1 June 1357 == Greg. Calendar 9 June 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## JULY 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 7 59 | 16♋30'22 | 28♐30 | 2♋12 | 25♊ 1 | 5♌49 | 1°R42 | 23♋ 3 | 8♊11 | 2°R42 | 25♈23 | 10°R12 | 11♒21 | 10♉49 | 17♋ 5 | S 1 |
| S 2 | 19 11 55 | 17°27'35 | 12♏50 | 4° 6 | 26°14 | 6°26 | 1♓38 | 23°11 | 8°14 | 2♓41 | 25°24 | 10♒ 9 | 11°17 | 10°56 | 17°12 | S 2 |
| M 3 | 19 15 52 | 18°24'49 | 26°54 | 6° 3 | 27°27 | 7° 4 | 1°35 | 23°19 | 8°17 | 2°40 | 25°24 | 10° 8 | 11°14 | 11° 2 | 17°19 | M 3 |
| T 4 | 19 19 48 | 19°22'03 | 10♒37 | 8° 2 | 28°40 | 7°42 | 1°31 | 23°26 | 8°19 | 2°38 | 25°24 | 10°D 7 | 11°11 | 11° 9 | 17°26 | T 4 |
| W 5 | 19 23 45 | 20°19'18 | 23°59 | 10° 3 | 29°53 | 8°20 | 1°27 | 23°34 | 8°22 | 2°37 | 25°25 | 10° 8 | 11° 8 | 11°16 | 17°33 | W 5 |
| T 6 | 19 27 42 | 21°16'33 | 6♓59 | 12° 6 | 1♋ 6 | 8°58 | 1°23 | 23°42 | 8°25 | 2°36 | 25°25 | 10° 9 | 11° 5 | 11°23 | 17°40 | T 6 |
| F 7 | 19 31 38 | 22°13'49 | 19°38 | 14°10 | 2°19 | 9°36 | 1°18 | 23°50 | 8°28 | 2°35 | 25°25 | 10°10 | 11° 2 | 11°29 | 17°46 | F 7 |
| S 8 | 19 35 35 | 23°11'07 | 2♈ 0 | 16°15 | 3°32 | 10°13 | 1°14 | 23°57 | 8°31 | 2°34 | 25°25 | 10°12 | 10°58 | 11°36 | 17°53 | S 8 |
| S 9 | 19 39 31 | 24° 8'25 | 14° 8 | 18°21 | 4°45 | 10°51 | 1° 9 | 24° 5 | 8°33 | 2°33 | 25°26 | 10°13 | 10°55 | 11°43 | 18° 0 | S 9 |
| M10 | 19 43 28 | 25° 5'44 | 26° 7 | 20°28 | 5°58 | 11°29 | 1° 4 | 24°13 | 8°36 | 2°32 | 25°26 | 10°R13 | 10°52 | 11°49 | 18° 7 | M10 |
| T 11 | 19 47 24 | 26° 3'05 | 8♉ 0 | 22°34 | 7°11 | 12° 7 | 0°59 | 24°21 | 8°39 | 2°30 | 25°26 | 10°13 | 10°49 | 11°56 | 18°14 | T 11 |
| W12 | 19 51 21 | 27° 0'26 | 19°54 | 24°41 | 8°24 | 12°45 | 0°54 | 24°29 | 8°41 | 2°29 | 25°26 | 10°12 | 10°46 | 12° 3 | 18°21 | W12 |
| T 13 | 19 55 17 | 27°57'49 | 1♊52 | 26°47 | 9°37 | 13°23 | 0°49 | 24°36 | 8°44 | 2°28 | 25°26 | 10°10 | 10°42 | 12°10 | 18°27 | T 13 |
| F 14 | 19 59 14 | 28°55'12 | 13°57 | 28°52 | 10°51 | 14° 1 | 0°43 | 24°44 | 8°46 | 2°27 | 25°26 | 10° 9 | 10°39 | 12°16 | 18°34 | F 14 |
| S 15 | 20 3 11 | 29°52'37 | 26°14 | 0♌57 | 12° 4 | 14°39 | 0°38 | 24°52 | 8°49 | 2°25 | 25°26 | 10° 7 | 10°36 | 12°23 | 18°41 | S 15 |
| S 16 | 20 7 7 | 0♌50'03 | 8♋44 | 3° 1 | 13°17 | 15°17 | 0°32 | 25° 0 | 8°52 | 2°24 | 25°26 | 10° 6 | 10°33 | 12°30 | 18°48 | S 16 |
| M17 | 20 11 4 | 1°47'30 | 21°29 | 5° 3 | 14°31 | 15°55 | 0°26 | 25° 7 | 8°54 | 2°23 | 25°26 | 10° 5 | 10°30 | 12°37 | 18°54 | M17 |
| T 18 | 20 15 0 | 2°44'58 | 4♌30 | 7° 5 | 15°44 | 16°33 | 0°20 | 25°15 | 8°56 | 2°21 | 25°R26 | 10°D 5 | 10°27 | 12°43 | 19° 1 | T 18 |
| W19 | 20 18 57 | 3°42'27 | 17°46 | 9° 5 | 16°57 | 17°11 | 0°14 | 25°23 | 8°59 | 2°20 | 25°26 | 10° 5 | 10°23 | 12°50 | 19° 8 | W19 |
| T 20 | 20 22 53 | 4°39'57 | 1♍16 | 11° 4 | 18°11 | 17°49 | 0° 7 | 25°30 | 9° 1 | 2°18 | 25°26 | 10° 5 | 10°20 | 12°57 | 19°15 | T 20 |
| F 21 | 20 26 50 | 5°37'27 | 15° 0 | 13° 1 | 19°24 | 18°27 | 0° 1 | 25°38 | 9° 3 | 2°17 | 25°26 | 10° 5 | 10°17 | 13° 3 | 19°21 | F 21 |
| S 22 | 20 30 46 | 6°34'59 | 28°54 | 14°57 | 20°38 | 19° 5 | 29♒54 | 25°46 | 9° 6 | 2°16 | 25°26 | 10° 6 | 10°14 | 13°10 | 19°28 | S 22 |
| S 23 | 20 34 43 | 7°32'31 | 12♎57 | 16°51 | 21°51 | 19°43 | 29°48 | 25°54 | 9° 8 | 2°14 | 25°26 | 10° 6 | 10°11 | 13°17 | 19°35 | S 23 |
| M24 | 20 38 40 | 8°30'05 | 27° 6 | 18°44 | 23° 5 | 20°21 | 29°41 | 26° 1 | 9°10 | 2°13 | 25°26 | 10° 6 | 10° 8 | 13°24 | 19°41 | M24 |
| T 25 | 20 42 36 | 9°27'39 | 11♏20 | 20°36 | 24°19 | 20°59 | 29°34 | 26° 9 | 9°12 | 2°11 | 25°26 | 10°R 6 | 10° 4 | 13°30 | 19°48 | T 25 |
| W26 | 20 46 33 | 10°25'14 | 25°35 | 22°26 | 25°32 | 21°37 | 29°27 | 26°16 | 9°14 | 2°10 | 25°26 | 10°D 6 | 10° 1 | 13°37 | 19°55 | W26 |
| T 27 | 20 50 29 | 11°22'51 | 9♐49 | 24°14 | 26°46 | 22°15 | 29°20 | 26°24 | 9°16 | 2° 8 | 25°26 | 10° 6 | 9°58 | 13°44 | 20° 1 | T 27 |
| F 28 | 20 54 26 | 12°20'28 | 23°59 | 26° 1 | 28° 0 | 22°53 | 29°13 | 26°32 | 9°19 | 2° 7 | 25°25 | 10° 6 | 9°55 | 13°51 | 20° 8 | F 28 |
| S 29 | 20 58 22 | 13°18'06 | 8♑ 2 | 27°47 | 29°13 | 23°31 | 29° 5 | 26°39 | 9°20 | 2° 5 | 25°25 | 10° 7 | 9°52 | 13°57 | 20°14 | S 29 |
| S 30 | 21 2 19 | 14°15'46 | 21°54 | 29°31 | 0♌27 | 24° 9 | 28°58 | 26°47 | 9°22 | 2° 4 | 25°25 | 10° 7 | 9°48 | 14° 4 | 20°21 | S 30 |
| M31 | 21 6 16 | 15♌13'27 | 5♒34 | 1♍13 | 1♌41 | 24♌47 | 28♒51 | 26♋54 | 9♊24 | 2♓ 2 | 25♈25 | 10°R 7 | 9♒45 | 14♉11 | 20♋27 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n30 | 27s 0 | 3s29 | 23n27 | 0s 3 | 22n58 | 0s27 | 20n 2 | 1n11 | 12s 2 | 1s12 | 21n46 | 0n14 | 21n41 | 0s 3 | 11s20 | 0s50 | 5s45 | 16s44 | 17s45 | 17s26 | 20n 0 | 16n30 | 5s58 |
| S 2 | 22 23 | 25 18 | 2 24 | 23 36 | 0n 9 | 23 3 | 0 25 | 19 53 | 1 11 | 12 3 | 1 12 | 21 45 | 0 14 | 21 42 | 0 3 | 11 20 | 0 50 | 5 45 | 16 45 | 17 46 | 17 27 | 20 2 | 16 29 | 5 58 |
| M 3 | 22 15 | 22 2 | 1 12 | 23 43 | 0 20 | 23 8 | 0 22 | 19 43 | 1 11 | 12 5 | 1 13 | 21 44 | 0 14 | 21 42 | 0 3 | 11 21 | 0 50 | 5 45 | 16 45 | 17 46 | 17 28 | 20 4 | 16 28 | 5 58 |
| T 4 | 22 7 | 17 35 | 0n 3 | 23 47 | 0 31 | 23 11 | 0 20 | 19 33 | 1 11 | 12 7 | 1 13 | 21 43 | 0 14 | 21 43 | 0 3 | 11 21 | 0 50 | 5 45 | 16 45 | 17 46 | 17 29 | 20 7 | 16 27 | 5 58 |
| W 5 | 21 59 | 12 23 | 1 16 | 23 49 | 0 41 | 23 14 | 0 17 | 19 23 | 1 11 | 12 8 | 1 13 | 21 41 | 0 14 | 21 43 | 0 3 | 11 22 | 0 50 | 5 46 | 16 46 | 17 46 | 17 30 | 20 9 | 16 27 | 5 59 |
| T 6 | 21 50 | 6 46 | 2 23 | 23 49 | 0 50 | 23 17 | 0 14 | 19 13 | 1 11 | 12 10 | 1 13 | 21 40 | 0 14 | 21 44 | 0 3 | 11 22 | 0 50 | 5 46 | 16 46 | 17 46 | 17 31 | 20 11 | 16 26 | 5 59 |
| F 7 | 21 41 | 1 2 | 3 21 | 23 45 | 0 59 | 23 19 | 0 12 | 19 3 | 1 11 | 12 12 | 1 14 | 21 39 | 0 14 | 21 44 | 0 3 | 11 22 | 0 50 | 5 46 | 16 46 | 17 45 | 17 31 | 20 13 | 16 25 | 5 59 |
| S 8 | 21 31 | 4n36 | 4 8 | 23 39 | 1 8 | 23 19 | 0 9 | 18 53 | 1 11 | 12 14 | 1 14 | 21 38 | 0 14 | 21 45 | 0 3 | 11 23 | 0 50 | 5 46 | 16 47 | 17 45 | 17 32 | 20 15 | 16 24 | 5 59 |
| S 9 | 21 22 | 9 57 | 4 44 | 23 30 | 1 15 | 23 20 | 0 7 | 18 42 | 1 10 | 12 16 | 1 14 | 21 36 | 0 14 | 21 45 | 0 3 | 11 23 | 0 51 | 5 47 | 16 47 | 17 45 | 17 33 | 20 17 | 16 23 | 5 59 |
| M10 | 21 11 | 14 52 | 5 6 | 23 18 | 1 22 | 23 19 | 0 4 | 18 31 | 1 10 | 12 18 | 1 15 | 21 35 | 0 14 | 21 46 | 0 3 | 11 24 | 0 51 | 5 47 | 16 47 | 17 45 | 17 34 | 20 19 | 16 22 | 5 59 |
| T 11 | 21 1 | 19 12 | 5 15 | 23 4 | 1 27 | 23 18 | 0 1 | 18 21 | 1 10 | 12 20 | 1 15 | 21 34 | 0 15 | 21 46 | 0 3 | 11 24 | 0 51 | 5 47 | 16 48 | 17 45 | 17 35 | 20 21 | 16 21 | 5 59 |
| W12 | 20 50 | 22 46 | 5 11 | 22 47 | 1 33 | 23 17 | 0n 1 | 18 10 | 1 10 | 12 22 | 1 15 | 21 33 | 0 15 | 21 46 | 0 3 | 11 25 | 0 51 | 5 47 | 16 48 | 17 45 | 17 36 | 20 24 | 16 20 | 5 59 |
| T 13 | 20 39 | 25 24 | 4 54 | 22 27 | 1 37 | 23 14 | 0 4 | 17 59 | 1 10 | 12 24 | 1 15 | 21 31 | 0 15 | 21 47 | 0 3 | 11 25 | 0 51 | 5 48 | 16 48 | 17 45 | 17 37 | 20 26 | 16 19 | 5 59 |
| F 14 | 20 27 | 26 54 | 4 23 | 22 6 | 1 40 | 23 11 | 0 6 | 17 48 | 1 10 | 12 26 | 1 16 | 21 30 | 0 15 | 21 47 | 0 3 | 11 26 | 0 51 | 5 48 | 16 49 | 17 46 | 17 38 | 20 28 | 16 18 | 5 59 |
| S 15 | 20 15 | 27 7 | 3 39 | 21 42 | 1 43 | 23 7 | 0 9 | 17 36 | 1 10 | 12 28 | 1 16 | 21 29 | 0 15 | 21 48 | 0 3 | 11 26 | 0 51 | 5 48 | 16 49 | 17 46 | 17 38 | 20 30 | 16 17 | 5 59 |
| S 16 | 20 3 | 25 59 | 2 45 | 21 15 | 1 45 | 23 3 | 0 11 | 17 25 | 1 10 | 12 30 | 1 16 | 21 27 | 0 15 | 21 48 | 0 3 | 11 27 | 0 51 | 5 49 | 16 49 | 17 47 | 17 39 | 20 32 | 16 16 | 6 0 |
| M17 | 19 50 | 23 28 | 1 41 | 20 47 | 1 46 | 22 58 | 0 14 | 17 14 | 1 9 | 12 33 | 1 16 | 21 26 | 0 15 | 21 48 | 0 3 | 11 27 | 0 51 | 5 49 | 16 50 | 17 47 | 17 40 | 20 34 | 16 15 | 6 0 |
| T 18 | 19 37 | 19 42 | 0 31 | 20 17 | 1 47 | 22 52 | 0 16 | 17 2 | 1 9 | 12 35 | 1 16 | 21 25 | 0 15 | 21 49 | 0 3 | 11 28 | 0 51 | 5 49 | 16 50 | 17 47 | 17 41 | 20 36 | 16 14 | 6 0 |
| W19 | 19 24 | 14 53 | 0s42 | 19 46 | 1 47 | 22 45 | 0 19 | 16 50 | 1 9 | 12 38 | 1 17 | 21 23 | 0 15 | 21 49 | 0 3 | 11 28 | 0 51 | 5 49 | 16 50 | 17 47 | 17 42 | 20 38 | 16 13 | 6 0 |
| T 20 | 19 10 | 9 16 | 1 55 | 19 13 | 1 46 | 22 38 | 0 21 | 16 39 | 1 9 | 12 40 | 1 17 | 21 22 | 0 15 | 21 50 | 0 3 | 11 29 | 0 51 | 5 50 | 16 51 | 17 47 | 17 43 | 20 40 | 16 12 | 6 0 |
| F 21 | 18 56 | 3 8 | 3 2 | 18 38 | 1 45 | 22 30 | 0 24 | 16 27 | 1 9 | 12 43 | 1 17 | 21 21 | 0 15 | 21 50 | 0 3 | 11 29 | 0 51 | 5 50 | 16 51 | 17 47 | 17 44 | 20 42 | 16 10 | 6 0 |
| S 22 | 18 42 | 3s12 | 3 59 | 18 3 | 1 43 | 22 22 | 0 26 | 16 15 | 1 9 | 12 45 | 1 17 | 21 19 | 0 16 | 21 50 | 0 3 | 11 30 | 0 51 | 5 50 | 16 51 | 17 47 | 17 44 | 20 44 | 16 9 | 6 1 |
| S 23 | 18 27 | 9 27 | 4 42 | 17 26 | 1 40 | 22 13 | 0 28 | 16 2 | 1 8 | 12 48 | 1 18 | 21 18 | 0 16 | 21 51 | 0 3 | 11 30 | 0 51 | 5 51 | 16 52 | 17 47 | 17 45 | 20 46 | 16 8 | 6 1 |
| M24 | 18 12 | 15 16 | 5 9 | 16 48 | 1 37 | 22 3 | 0 31 | 15 50 | 1 8 | 12 50 | 1 18 | 21 17 | 0 16 | 21 51 | 0 3 | 11 31 | 0 51 | 5 51 | 16 52 | 17 47 | 17 46 | 20 48 | 16 7 | 6 1 |
| T 25 | 17 57 | 20 18 | 5 17 | 16 10 | 1 34 | 21 52 | 0 33 | 15 38 | 1 8 | 12 53 | 1 18 | 21 15 | 0 16 | 21 51 | 0 3 | 11 32 | 0 51 | 5 51 | 16 52 | 17 47 | 17 47 | 20 50 | 16 6 | 6 1 |
| W26 | 17 41 | 24 10 | 5 5 | 15 30 | 1 30 | 21 41 | 0 35 | 15 25 | 1 8 | 12 55 | 1 18 | 21 14 | 0 16 | 21 52 | 0 3 | 11 32 | 0 51 | 5 52 | 16 53 | 17 47 | 17 48 | 20 52 | 16 5 | 6 1 |
| T 27 | 17 26 | 26 32 | 4 35 | 14 50 | 1 26 | 21 29 | 0 37 | 15 13 | 1 8 | 12 58 | 1 18 | 21 13 | 0 16 | 21 52 | 0 3 | 11 33 | 0 51 | 5 52 | 16 53 | 17 47 | 17 49 | 20 54 | 16 4 | 6 2 |
| F 28 | 17 10 | 27 12 | 3 49 | 14 9 | 1 21 | 21 17 | 0 40 | 15 0 | 1 8 | 13 1 | 1 19 | 21 11 | 0 16 | 21 52 | 0 3 | 11 33 | 0 51 | 5 53 | 16 53 | 17 46 | 17 50 | 20 56 | 16 3 | 6 2 |
| S 29 | 16 53 | 26 5 | 2 49 | 13 28 | 1 16 | 21 4 | 0 42 | 14 47 | 1 7 | 13 4 | 1 19 | 21 10 | 0 16 | 21 53 | 0 3 | 11 34 | 0 51 | 5 53 | 16 54 | 17 46 | 17 50 | 20 58 | 16 1 | 6 2 |
| S 30 | 16 37 | 23 22 | 1 39 | 12 47 | 1 10 | 20 50 | 0 44 | 14 35 | 1 7 | 13 6 | 1 19 | 21 9 | 0 16 | 21 53 | 0 3 | 11 34 | 0 51 | 5 53 | 16 54 | 17 46 | 17 51 | 21 0 | 16 0 | 6 2 |
| M31 | 16n20 | 19s21 | 0s25 | 12n 5 | 1n 4 | 20n36 | 0n46 | 14n22 | 1n 7 | 13s 9 | 1s19 | 21n 7 | 0n16 | 21n53 | 0s 3 | 11s35 | 0s51 | 5s54 | 16s54 | 17s46 | 17s52 | 21n 2 | 15n59 | 6s 3 |

Julian Day Number = 2216883.5, Delta T = 08m58s
Ecliptic obliquity = 23°31'27, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'42, Lahiri = 14°53'43 Julian Calendar 1 July 1357 == Greg. Calendar 9 July 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## AUGUST 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 10 12 | 16♌11'08 | 18♒59 | 2♍55 | 2♌55 | 25♌25 | 28°R43 | 27♋ 2 | 9♊26 | 2°R 1 | 25°R24 | 10°R 7 | 9♒42 | 14♉17 | 20♋34 | T 1 |
| W 2 | 21 14 9 | 17° 8'52 | 2♓ 8 | 4°34 | 4° 9 | 26° 3 | 28♒36 | 27° 9 | 9°28 | 1♓59 | 25♈24 | 10♒ 7 | 9°39 | 14°24 | 20°40 | W 2 |
| T 3 | 21 18 5 | 18° 6'36 | 15° 0 | 6°13 | 5°23 | 26°41 | 28°28 | 27°17 | 9°30 | 1°57 | 25°24 | 10° 6 | 9°36 | 14°31 | 20°47 | T 3 |
| F 4 | 21 22 2 | 19° 4'23 | 27°35 | 7°50 | 6°37 | 27°20 | 28°20 | 27°24 | 9°32 | 1°56 | 25°23 | 10° 5 | 9°33 | 14°38 | 20°53 | F 4 |
| S 5 | 21 25 58 | 20° 2'11 | 9♈55 | 9°25 | 7°51 | 27°58 | 28°13 | 27°32 | 9°33 | 1°54 | 25°23 | 10° 4 | 9°29 | 14°44 | 20°59 | S 5 |
| S 6 | 21 29 55 | 21° 0'00 | 22° 3 | 10°59 | 9° 5 | 28°36 | 28° 5 | 27°39 | 9°35 | 1°53 | 25°23 | 10° 2 | 9°26 | 14°51 | 21° 6 | S 6 |
| M 7 | 21 33 51 | 21°57'52 | 4♉ 2 | 12°32 | 10°19 | 29°14 | 27°57 | 27°46 | 9°36 | 1°51 | 25°22 | 10° 1 | 9°23 | 14°58 | 21°12 | M 7 |
| T 8 | 21 37 48 | 22°55'45 | 15°56 | 14° 3 | 11°33 | 29°52 | 27°49 | 27°54 | 9°38 | 1°49 | 25°22 | 10° 1 | 9°20 | 15° 4 | 21°18 | T 8 |
| W 9 | 21 41 44 | 23°53'40 | 27°49 | 15°33 | 12°47 | 0♍31 | 27°41 | 28° 1 | 9°39 | 1°48 | 25°21 | 10°D 0 | 9°17 | 15°11 | 21°24 | W 9 |
| T 10 | 21 45 41 | 24°51'37 | 9♊47 | 17° 2 | 14° 1 | 1° 9 | 27°33 | 28° 8 | 9°41 | 1°46 | 25°21 | 10° 1 | 9°14 | 15°18 | 21°31 | T 10 |
| F 11 | 21 49 38 | 25°49'36 | 21°53 | 18°29 | 15°15 | 1°47 | 27°25 | 28°15 | 9°42 | 1°44 | 25°20 | 10° 2 | 9°10 | 15°25 | 21°37 | F 11 |
| S 12 | 21 53 34 | 26°47'36 | 4♋12 | 19°55 | 16°29 | 2°26 | 27°18 | 28°22 | 9°44 | 1°43 | 25°20 | 10° 3 | 9° 7 | 15°31 | 21°43 | S 12 |
| S 13 | 21 57 31 | 27°45'39 | 16°48 | 21°19 | 17°43 | 3° 4 | 27°10 | 28°30 | 9°45 | 1°41 | 25°19 | 10° 5 | 9° 4 | 15°38 | 21°49 | S 13 |
| M14 | 22 1 27 | 28°43'43 | 29°44 | 22°42 | 18°58 | 3°42 | 27° 2 | 28°37 | 9°46 | 1°40 | 25°19 | 10° 6 | 9° 1 | 15°45 | 21°55 | M14 |
| T 15 | 22 5 24 | 29°41'49 | 13♌ 0 | 24° 3 | 20°12 | 4°21 | 26°54 | 28°44 | 9°47 | 1°38 | 25°18 | 10°R 6 | 8°58 | 15°52 | 22° 1 | T 15 |
| W16 | 22 9 20 | 0♍39'57 | 26°37 | 25°23 | 21°26 | 4°59 | 26°46 | 28°51 | 9°49 | 1°36 | 25°18 | 10° 5 | 8°54 | 15°58 | 22° 7 | W16 |
| T 17 | 22 13 17 | 1°38'07 | 10♍33 | 26°41 | 22°41 | 5°37 | 26°38 | 28°58 | 9°50 | 1°35 | 25°17 | 10° 3 | 8°51 | 16° 5 | 22°13 | T 17 |
| F 18 | 22 17 13 | 2°36'18 | 24°45 | 27°58 | 23°55 | 6°16 | 26°30 | 29° 5 | 9°51 | 1°33 | 25°16 | 10° 1 | 8°48 | 16°12 | 22°19 | F 18 |
| S 19 | 22 21 10 | 3°34'31 | 9♎ 7 | 29°13 | 25° 9 | 6°54 | 26°22 | 29°12 | 9°52 | 1°31 | 25°16 | 9°58 | 8°45 | 16°18 | 22°24 | S 19 |
| S 20 | 22 25 7 | 4°32'46 | 23°34 | 0♎26 | 26°24 | 7°33 | 26°15 | 29°18 | 9°53 | 1°30 | 25°15 | 9°54 | 8°42 | 16°25 | 22°30 | S 20 |
| M21 | 22 29 3 | 5°31'02 | 8♏ 1 | 1°37 | 27°38 | 8°11 | 26° 7 | 29°25 | 9°54 | 1°28 | 25°15 | 9°52 | 8°39 | 16°32 | 22°36 | M21 |
| T 22 | 22 33 0 | 6°29'20 | 22°23 | 2°47 | 28°53 | 8°49 | 25°59 | 29°32 | 9°55 | 1°26 | 25°14 | 9°50 | 8°35 | 16°39 | 22°42 | T 22 |
| W23 | 22 36 56 | 7°27'39 | 6♐36 | 3°54 | 0♍ 7 | 9°28 | 25°52 | 29°39 | 9°55 | 1°25 | 25°13 | 9°D49 | 8°32 | 16°45 | 22°47 | W23 |
| T 24 | 22 40 53 | 8°26'00 | 20°40 | 4°59 | 1°22 | 10° 6 | 25°44 | 29°45 | 9°56 | 1°23 | 25°12 | 9°50 | 8°29 | 16°52 | 22°53 | T 24 |
| F 25 | 22 44 49 | 9°24'22 | 4♑31 | 6° 2 | 2°36 | 10°45 | 25°36 | 29°52 | 9°57 | 1°21 | 25°12 | 9°51 | 8°26 | 16°59 | 22°58 | F 25 |
| S 26 | 22 48 46 | 10°22'46 | 18°10 | 7° 3 | 3°51 | 11°23 | 25°29 | 29°59 | 9°58 | 1°20 | 25°11 | 9°52 | 8°23 | 17° 5 | 23° 4 | S 26 |
| S 27 | 22 52 42 | 11°21'12 | 1♒37 | 8° 1 | 5° 5 | 12° 2 | 25°22 | 0♌ 5 | 9°58 | 1°18 | 25°10 | 9°53 | 8°19 | 17°12 | 23° 9 | S 27 |
| M28 | 22 56 39 | 12°19'39 | 14°52 | 8°56 | 6°20 | 12°41 | 25°14 | 0°11 | 9°59 | 1°17 | 25° 9 | 9°R54 | 8°16 | 17°19 | 23°14 | M28 |
| T 29 | 23 0 36 | 13°18'08 | 27°54 | 9°48 | 7°35 | 13°19 | 25° 7 | 0°18 | 9°59 | 1°15 | 25° 9 | 9°52 | 8°13 | 17°26 | 23°20 | T 29 |
| W30 | 23 4 32 | 14°16'39 | 10♓44 | 10°37 | 8°49 | 13°58 | 25° 0 | 0°24 | 10° 0 | 1°13 | 25° 8 | 9°49 | 8°10 | 17°32 | 23°25 | W30 |
| T 31 | 23 8 29 | 15♍15'12 | 23♓22 | 11♎23 | 10♍ 4 | 14♍36 | 24♒53 | 0♌31 | 10♊ 0 | 1♓12 | 25♈ 7 | 9♒45 | 8♒ 7 | 17♉39 | 23♋30 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 2 | 14s24 | 0n49 | 11n23 | 0n58 | 20n21 | 0n48 | 14n 9 | 1n 7 | 13s12 | 1s19 | 21n 6 | 0n17 | 21n53 | 0s 3 | 11s35 | 0s51 | 5s54 | 16s54 | 17s46 | 17s53 | 21n 4 | 15n58 | 6s 3 |
| W 2 | 15 45 | 8 54 | 1 59 | 10 40 | 0 52 | 20 6 | 0 50 | 13 55 | 1 7 | 13 15 | 1 19 | 21 4 | 0 17 | 21 54 | 0 3 | 11 36 | 0 51 | 5 55 | 16 55 | 17 46 | 17 54 | 21 6 | 15 57 | 6 3 |
| T 3 | 15 27 | 3 9 | 3 1 | 9 58 | 0 45 | 19 50 | 0 52 | 13 42 | 1 7 | 13 17 | 1 20 | 21 3 | 0 17 | 21 54 | 0 3 | 11 37 | 0 51 | 5 55 | 16 55 | 17 47 | 17 55 | 21 8 | 15 55 | 6 3 |
| F 4 | 15 9 | 2n36 | 3 53 | 9 15 | 0 38 | 19 33 | 0 54 | 13 29 | 1 6 | 13 20 | 1 20 | 21 2 | 0 17 | 21 54 | 0 3 | 11 37 | 0 51 | 5 55 | 16 55 | 17 47 | 17 56 | 21 10 | 15 54 | 6 4 |
| S 5 | 14 51 | 8 8 | 4 33 | 8 32 | 0 31 | 19 16 | 0 56 | 13 15 | 1 6 | 13 23 | 1 20 | 21 0 | 0 17 | 21 55 | 0 3 | 11 38 | 0 51 | 5 56 | 16 56 | 17 47 | 17 56 | 21 12 | 15 53 | 6 4 |
| S 6 | 14 33 | 13 15 | 5 1 | 7 50 | 0 23 | 18 58 | 0 57 | 13 2 | 1 6 | 13 26 | 1 20 | 20 59 | 0 17 | 21 55 | 0 3 | 11 38 | 0 51 | 5 56 | 16 56 | 17 48 | 17 57 | 21 14 | 15 52 | 6 4 |
| M 7 | 14 14 | 17 50 | 5 14 | 7 7 | 0 16 | 18 40 | 0 59 | 12 48 | 1 6 | 13 29 | 1 20 | 20 58 | 0 17 | 21 55 | 0 3 | 11 39 | 0 51 | 5 57 | 16 56 | 17 48 | 17 58 | 21 16 | 15 51 | 6 5 |
| T 8 | 13 55 | 21 40 | 5 14 | 6 25 | 0 8 | 18 21 | 1 1 | 12 35 | 1 6 | 13 32 | 1 20 | 20 56 | 0 17 | 21 55 | 0 3 | 11 40 | 0 51 | 5 57 | 16 57 | 17 48 | 17 59 | 21 18 | 15 49 | 6 5 |
| W 9 | 13 36 | 24 37 | 5 1 | 5 43 | 0s 0 | 18 2 | 1 3 | 12 21 | 1 5 | 13 34 | 1 20 | 20 55 | 0 17 | 21 55 | 0 3 | 11 40 | 0 51 | 5 57 | 16 57 | 17 48 | 18 0 | 21 20 | 15 48 | 6 5 |
| T 10 | 13 17 | 26 31 | 4 34 | 5 1 | 0 8 | 17 42 | 1 4 | 12 7 | 1 5 | 13 37 | 1 20 | 20 54 | 0 17 | 21 56 | 0 3 | 11 41 | 0 51 | 5 58 | 16 57 | 17 48 | 18 1 | 21 22 | 15 47 | 6 5 |
| F 11 | 12 57 | 27 12 | 3 56 | 4 19 | 0 17 | 17 22 | 1 6 | 11 53 | 1 5 | 13 40 | 1 21 | 20 52 | 0 17 | 21 56 | 0 3 | 11 41 | 0 51 | 5 58 | 16 58 | 17 48 | 18 2 | 21 24 | 15 46 | 6 6 |
| S 12 | 12 38 | 26 33 | 3 5 | 3 38 | 0 25 | 17 1 | 1 7 | 11 39 | 1 5 | 13 43 | 1 21 | 20 51 | 0 18 | 21 56 | 0 3 | 11 42 | 0 51 | 5 59 | 16 58 | 17 47 | 18 2 | 21 26 | 15 44 | 6 6 |
| S 13 | 12 18 | 24 32 | 2 5 | 2 57 | 0 33 | 16 40 | 1 9 | 11 25 | 1 4 | 13 46 | 1 21 | 20 49 | 0 18 | 21 56 | 0 3 | 11 43 | 0 51 | 5 59 | 16 58 | 17 47 | 18 3 | 21 28 | 15 43 | 6 6 |
| M14 | 11 57 | 21 12 | 0 57 | 2 16 | 0 42 | 16 18 | 1 10 | 11 11 | 1 4 | 13 49 | 1 21 | 20 48 | 0 18 | 21 57 | 0 3 | 11 43 | 0 51 | 6 0 | 16 58 | 17 47 | 18 4 | 21 30 | 15 42 | 6 7 |
| T 15 | 11 37 | 16 43 | 0s16 | 1 36 | 0 51 | 15 56 | 1 11 | 10 57 | 1 4 | 13 51 | 1 21 | 20 47 | 0 18 | 21 57 | 0 3 | 11 44 | 0 51 | 6 0 | 16 59 | 17 47 | 18 5 | 21 32 | 15 40 | 6 7 |
| W16 | 11 17 | 11 17 | 1 30 | 0 56 | 0 59 | 15 33 | 1 13 | 10 42 | 1 4 | 13 54 | 1 21 | 20 45 | 0 18 | 21 57 | 0 3 | 11 44 | 0 51 | 6 1 | 16 59 | 17 47 | 18 6 | 21 34 | 15 39 | 6 8 |
| T 17 | 10 56 | 5 10 | 2 40 | 0 17 | 1 8 | 15 10 | 1 14 | 10 28 | 1 4 | 13 57 | 1 21 | 20 44 | 0 18 | 21 57 | 0 3 | 11 45 | 0 51 | 6 1 | 16 59 | 17 47 | 18 7 | 21 35 | 15 38 | 6 8 |
| F 18 | 10 35 | 1s17 | 3 41 | 0s22 | 1 17 | 14 47 | 1 15 | 10 14 | 1 3 | 14 0 | 1 21 | 20 43 | 0 18 | 21 57 | 0 3 | 11 46 | 0 51 | 6 1 | 16 59 | 17 48 | 18 7 | 21 37 | 15 37 | 6 8 |
| S 19 | 10 14 | 7 45 | 4 29 | 1 0 | 1 26 | 14 23 | 1 16 | 9 59 | 1 3 | 14 2 | 1 21 | 20 41 | 0 18 | 21 57 | 0 3 | 11 46 | 0 51 | 6 2 | 17 0 | 17 49 | 18 8 | 21 39 | 15 35 | 6 9 |
| S 20 | 9 53 | 13 50 | 5 1 | 1 37 | 1 35 | 13 58 | 1 17 | 9 45 | 1 3 | 14 5 | 1 21 | 20 40 | 0 18 | 21 58 | 0 3 | 11 47 | 0 51 | 6 2 | 17 0 | 17 50 | 18 9 | 21 41 | 15 34 | 6 9 |
| M21 | 9 31 | 19 10 | 5 13 | 2 14 | 1 43 | 13 33 | 1 18 | 9 30 | 1 3 | 14 8 | 1 21 | 20 39 | 0 19 | 21 58 | 0 3 | 11 47 | 0 51 | 6 3 | 17 0 | 17 51 | 18 10 | 21 43 | 15 33 | 6 10 |
| T 22 | 9 10 | 23 21 | 5 6 | 2 49 | 1 52 | 13 8 | 1 19 | 9 15 | 1 2 | 14 10 | 1 21 | 20 37 | 0 19 | 21 58 | 0 3 | 11 48 | 0 51 | 6 3 | 17 1 | 17 51 | 18 11 | 21 45 | 15 31 | 6 10 |
| W23 | 8 48 | 26 5 | 4 40 | 3 24 | 2 1 | 12 43 | 1 20 | 9 0 | 1 2 | 14 13 | 1 21 | 20 36 | 0 19 | 21 58 | 0 3 | 11 49 | 0 51 | 6 4 | 17 1 | 17 51 | 18 12 | 21 47 | 15 30 | 6 10 |
| T 24 | 8 26 | 27 8 | 3 57 | 3 58 | 2 9 | 12 17 | 1 21 | 8 46 | 1 2 | 14 16 | 1 21 | 20 35 | 0 19 | 21 58 | 0 3 | 11 49 | 0 51 | 6 4 | 17 1 | 17 51 | 18 12 | 21 48 | 15 29 | 6 11 |
| F 25 | 8 4 | 26 28 | 3 1 | 4 31 | 2 18 | 11 51 | 1 21 | 8 31 | 1 2 | 14 18 | 1 21 | 20 34 | 0 19 | 21 58 | 0 3 | 11 50 | 0 51 | 6 5 | 17 1 | 17 51 | 18 13 | 21 50 | 15 27 | 6 11 |
| S 26 | 7 42 | 24 12 | 1 56 | 5 3 | 2 26 | 11 24 | 1 22 | 8 16 | 1 1 | 14 21 | 1 21 | 20 32 | 0 19 | 21 58 | 0 3 | 11 50 | 0 51 | 6 5 | 17 1 | 17 50 | 18 14 | 21 52 | 15 26 | 6 12 |
| S 27 | 7 20 | 20 36 | 0 45 | 5 33 | 2 34 | 10 58 | 1 23 | 8 1 | 1 1 | 14 23 | 1 21 | 20 31 | 0 19 | 21 58 | 0 3 | 11 51 | 0 51 | 6 6 | 17 2 | 17 50 | 18 15 | 21 54 | 15 25 | 6 12 |
| M28 | 6 58 | 16 0 | 0n27 | 6 2 | 2 42 | 10 30 | 1 23 | 7 46 | 1 1 | 14 26 | 1 21 | 20 30 | 0 19 | 21 58 | 0 3 | 11 52 | 0 51 | 6 6 | 17 2 | 17 50 | 18 16 | 21 56 | 15 24 | 6 13 |
| T 29 | 6 35 | 10 44 | 1 37 | 6 30 | 2 50 | 10 3 | 1 24 | 7 31 | 1 1 | 14 28 | 1 21 | 20 28 | 0 19 | 21 59 | 0 3 | 11 52 | 0 51 | 6 7 | 17 2 | 17 50 | 18 17 | 21 58 | 15 22 | 6 13 |
| W30 | 6 13 | 5 6 | 2 40 | 6 57 | 2 58 | 9 35 | 1 24 | 7 16 | 1 0 | 14 31 | 1 21 | 20 27 | 0 20 | 21 59 | 0 3 | 11 53 | 0 51 | 6 7 | 17 2 | 17 51 | 18 17 | 21 59 | 15 21 | 6 13 |
| T 31 | 5n50 | 0n38 | 3n34 | 7s21 | 3s 5 | 9n 7 | 1n24 | 7n 0 | 1n 0 | 14s33 | 1s21 | 20n26 | 0n20 | 21n59 | 0s 3 | 11s53 | 0s51 | 6s 8 | 17s 3 | 17s52 | 18s18 | 22n 1 | 15n20 | 6s14 |

Julian Day Number = 2216914.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'47, Lahiri = 14°53'47 Julian Calendar 1 Aug. 1357 == Greg. Calendar 9 Aug. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## SEPTEMBER 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 12 25 | 16♍13'46 | 5♈47 | 12♎ 5 | 11♍19 | 15♍15 | 24°R46 | 0♌37 | 10♊ 0 | 1°R10 | 25°R 6 | 9°R39 | 8♒ 4 | 17♉46 | 23♋35 | F 1 |
| S 2 | 23 16 22 | 17°12'23 | 18° 2 | 12°44 | 12°33 | 15°54 | 24♒40 | 0°43 | 10° 1 | 1♓ 9 | 25♈ 5 | 9♒32 | 8° 0 | 17°53 | 23°40 | S 2 |
| S 3 | 23 20 18 | 18°11'02 | 0♉ 6 | 13°18 | 13°48 | 16°32 | 24°33 | 0°49 | 10° 1 | 1° 7 | 25° 4 | 9°25 | 7°57 | 17°59 | 23°45 | S 3 |
| M 4 | 23 24 15 | 19° 9'43 | 12° 3 | 13°47 | 15° 3 | 17°11 | 24°26 | 0°55 | 10° 1 | 1° 5 | 25° 4 | 9°19 | 7°54 | 18° 6 | 23°50 | M 4 |
| T 5 | 23 28 11 | 20° 8'27 | 23°56 | 14°12 | 16°18 | 17°50 | 24°20 | 1° 1 | 10° 1 | 1° 4 | 25° 3 | 9°14 | 7°51 | 18°13 | 23°55 | T 5 |
| W 6 | 23 32 8 | 21° 7'12 | 5♊48 | 14°31 | 17°32 | 18°29 | 24°14 | 1° 7 | 10° 1 | 1° 2 | 25° 2 | 9°11 | 7°48 | 18°19 | 24° 0 | W 6 |
| T 7 | 23 36 5 | 22° 6'00 | 17°43 | 14°44 | 18°47 | 19° 8 | 24° 8 | 1°13 | 10°R 2 | 1° 1 | 25° 1 | 9°D 9 | 7°45 | 18°26 | 24° 5 | T 7 |
| F 8 | 23 40 1 | 23° 4'50 | 29°47 | 14°52 | 20° 2 | 19°46 | 24° 2 | 1°19 | 10° 2 | 0°59 | 25° 0 | 9° 9 | 7°41 | 18°33 | 24° 9 | F 8 |
| S 9 | 23 43 58 | 24° 3'43 | 12♋ 4 | 14°R53 | 21°17 | 20°25 | 23°56 | 1°24 | 10° 1 | 0°58 | 24°59 | 9°10 | 7°38 | 18°40 | 24°14 | S 9 |
| S 10 | 23 47 54 | 25° 2'38 | 24°40 | 14°47 | 22°32 | 21° 4 | 23°50 | 1°30 | 10° 1 | 0°56 | 24°58 | 9°12 | 7°35 | 18°46 | 24°19 | S 10 |
| M11 | 23 51 51 | 26° 1'35 | 7♌37 | 14°34 | 23°47 | 21°43 | 23°45 | 1°36 | 10° 1 | 0°55 | 24°57 | 9°R13 | 7°32 | 18°53 | 24°23 | M11 |
| T 12 | 23 55 47 | 27° 0'34 | 21° 1 | 14°13 | 25° 2 | 22°22 | 23°39 | 1°41 | 10° 1 | 0°54 | 24°56 | 9°12 | 7°29 | 19° 0 | 24°27 | T 12 |
| W13 | 23 59 44 | 27°59'36 | 4♍50 | 13°45 | 26°17 | 23° 1 | 23°34 | 1°47 | 10° 1 | 0°52 | 24°55 | 9° 9 | 7°25 | 19° 6 | 24°32 | W13 |
| T 14 | 0 3 40 | 28°58'39 | 19° 5 | 13° 9 | 27°31 | 23°40 | 23°29 | 1°52 | 10° 0 | 0°51 | 24°54 | 9° 5 | 7°22 | 19°13 | 24°36 | T 14 |
| F 15 | 0 7 37 | 29°57'45 | 3♎40 | 12°26 | 28°46 | 24°19 | 23°24 | 1°57 | 10° 0 | 0°49 | 24°53 | 8°58 | 7°19 | 19°20 | 24°40 | F 15 |
| S 16 | 0 11 34 | 0♎56'53 | 18°29 | 11°36 | 0♎ 1 | 24°58 | 23°19 | 2° 3 | 10° 0 | 0°48 | 24°52 | 8°50 | 7°16 | 19°27 | 24°44 | S 16 |
| S 17 | 0 15 30 | 1°56'03 | 3♏24 | 10°39 | 1°16 | 25°37 | 23°14 | 2° 8 | 9°59 | 0°47 | 24°51 | 8°41 | 7°13 | 19°33 | 24°48 | S 17 |
| M18 | 0 19 27 | 2°55'15 | 18°15 | 9°36 | 2°31 | 26°16 | 23°10 | 2°13 | 9°59 | 0°45 | 24°50 | 8°34 | 7°10 | 19°40 | 24°52 | M18 |
| T 19 | 0 23 23 | 3°54'28 | 2♐55 | 8°29 | 3°46 | 26°55 | 23° 6 | 2°18 | 9°58 | 0°44 | 24°49 | 8°28 | 7° 6 | 19°47 | 24°56 | T 19 |
| W20 | 0 27 20 | 4°53'44 | 17°18 | 7°20 | 5° 1 | 27°34 | 23° 2 | 2°23 | 9°57 | 0°43 | 24°48 | 8°25 | 7° 3 | 19°54 | 25° 0 | W20 |
| T 21 | 0 31 16 | 5°53'01 | 1♑22 | 6° 9 | 6°16 | 28°13 | 22°58 | 2°28 | 9°57 | 0°41 | 24°47 | 8°D23 | 7° 0 | 20° 0 | 25° 4 | T 21 |
| F 22 | 0 35 13 | 6°52'20 | 15° 7 | 4°59 | 7°31 | 28°52 | 22°54 | 2°32 | 9°56 | 0°40 | 24°46 | 8°24 | 6°57 | 20° 7 | 25° 7 | F 22 |
| S 23 | 0 39 9 | 7°51'41 | 28°33 | 3°51 | 8°46 | 29°31 | 22°51 | 2°37 | 9°55 | 0°39 | 24°45 | 8°24 | 6°54 | 20°14 | 25°11 | S 23 |
| S 24 | 0 43 6 | 8°51'04 | 11♒41 | 2°48 | 10° 2 | 0♏11 | 22°47 | 2°42 | 9°54 | 0°38 | 24°44 | 8°R25 | 6°51 | 20°20 | 25°15 | S 24 |
| M25 | 0 47 3 | 9°50'28 | 24°36 | 1°52 | 11°17 | 0°50 | 22°44 | 2°46 | 9°53 | 0°36 | 24°43 | 8°23 | 6°47 | 20°27 | 25°18 | M25 |
| T 26 | 0 50 59 | 10°49'54 | 7♓18 | 1° 4 | 12°32 | 1°29 | 22°41 | 2°51 | 9°53 | 0°35 | 24°42 | 8°20 | 6°44 | 20°34 | 25°21 | T 26 |
| W27 | 0 54 56 | 11°49'22 | 19°50 | 0°25 | 13°47 | 2° 8 | 22°38 | 2°55 | 9°52 | 0°34 | 24°40 | 8°13 | 6°41 | 20°41 | 25°25 | W27 |
| T 28 | 0 58 52 | 12°48'52 | 2♈12 | 29♍56 | 15° 2 | 2°47 | 22°36 | 2°59 | 9°51 | 0°33 | 24°39 | 8° 4 | 6°38 | 20°47 | 25°28 | T 28 |
| F 29 | 1 2 49 | 13°48'24 | 14°26 | 29°39 | 16°17 | 3°27 | 22°33 | 3° 3 | 9°49 | 0°32 | 24°38 | 7°53 | 6°35 | 20°54 | 25°31 | F 29 |
| S 30 | 1 6 45 | 14♎47'58 | 26♈32 | 29°D32 | 17♎32 | 4♎ 6 | 22♒31 | 3♌ 7 | 9♊48 | 0♓31 | 24♈37 | 7♒40 | 6♒31 | 21♉ 1 | 25♋34 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n27 | 6n15 | 4n18 | 7s44 | 3s12 | 8n39 | 1n25 | 6n45 | 1n 0 | 14s35 | 1s21 | 20n25 | 0n20 | 21n59 | 0s 3 | 11s54 | 0s51 | 6s 8 | 17s 3 | 17s54 | 18s19 | 22n 3 | 15n18 | 6s14 |
| S 2 | 5 4 | 11 32 | 4 48 | 8 5 | 3 18 | 8 11 | 1 25 | 6 30 | 1 0 | 14 37 | 1 21 | 20 24 | 0 20 | 21 59 | 0 3 | 11 54 | 0 51 | 6 9 | 17 3 | 17 56 | 18 20 | 22 5 | 15 17 | 6 15 |
| S 3 | 4 41 | 16 18 | 5 5 | 8 24 | 3 24 | 7 42 | 1 25 | 6 15 | 0 59 | 14 40 | 1 21 | 20 22 | 0 20 | 21 59 | 0 3 | 11 55 | 0 51 | 6 9 | 17 3 | 17 58 | 18 21 | 22 7 | 15 16 | 6 15 |
| M 4 | 4 18 | 20 24 | 5 9 | 8 41 | 3 30 | 7 13 | 1 25 | 5 59 | 0 59 | 14 42 | 1 21 | 20 21 | 0 20 | 21 59 | 0 3 | 11 56 | 0 51 | 6 10 | 17 3 | 17 59 | 18 21 | 22 8 | 15 14 | 6 16 |
| T 5 | 3 55 | 23 39 | 4 59 | 8 55 | 3 35 | 6 44 | 1 25 | 5 44 | 0 59 | 14 44 | 1 21 | 20 20 | 0 20 | 21 59 | 0 3 | 11 56 | 0 51 | 6 10 | 17 4 | 18 1 | 18 22 | 22 10 | 15 13 | 6 16 |
| W 6 | 3 32 | 25 53 | 4 37 | 9 6 | 3 39 | 6 15 | 1 25 | 5 28 | 0 59 | 14 46 | 1 21 | 20 19 | 0 20 | 21 59 | 0 3 | 11 57 | 0 51 | 6 11 | 17 4 | 18 1 | 18 23 | 22 12 | 15 12 | 6 17 |
| T 7 | 3 9 | 26 59 | 4 2 | 9 14 | 3 42 | 5 45 | 1 25 | 5 13 | 0 58 | 14 48 | 1 21 | 20 18 | 0 20 | 21 59 | 0 3 | 11 57 | 0 51 | 6 11 | 17 4 | 18 2 | 18 24 | 22 14 | 15 10 | 6 17 |
| F 8 | 2 45 | 26 48 | 3 17 | 9 20 | 3 45 | 5 16 | 1 25 | 4 57 | 0 58 | 14 50 | 1 21 | 20 16 | 0 21 | 21 59 | 0 3 | 11 58 | 0 51 | 6 12 | 17 4 | 18 2 | 18 25 | 22 15 | 15 9 | 6 18 |
| S 9 | 2 22 | 25 19 | 2 21 | 9 21 | 3 46 | 4 46 | 1 25 | 4 42 | 0 58 | 14 52 | 1 21 | 20 15 | 0 21 | 21 59 | 0 3 | 11 58 | 0 51 | 6 12 | 17 4 | 18 1 | 18 26 | 22 17 | 15 8 | 6 19 |
| S 10 | 1 59 | 22 33 | 1 18 | 9 19 | 3 47 | 4 16 | 1 24 | 4 26 | 0 57 | 14 54 | 1 21 | 20 14 | 0 21 | 21 59 | 0 3 | 11 59 | 0 51 | 6 13 | 17 5 | 18 1 | 18 26 | 22 19 | 15 7 | 6 19 |
| M11 | 1 35 | 18 34 | 0 9 | 9 14 | 3 46 | 3 46 | 1 24 | 4 10 | 0 57 | 14 55 | 1 21 | 20 13 | 0 21 | 21 59 | 0 3 | 11 59 | 0 51 | 6 13 | 17 5 | 18 1 | 18 27 | 22 21 | 15 5 | 6 20 |
| T 12 | 1 12 | 13 33 | 1s 3 | 9 3 | 3 44 | 3 16 | 1 23 | 3 55 | 0 57 | 14 57 | 1 21 | 20 12 | 0 21 | 21 59 | 0 3 | 12 0 | 0 51 | 6 14 | 17 5 | 18 1 | 18 28 | 22 22 | 15 4 | 6 20 |
| W13 | 0 48 | 7 42 | 2 13 | 8 49 | 3 40 | 2 45 | 1 23 | 3 39 | 0 57 | 14 59 | 1 21 | 20 11 | 0 21 | 21 59 | 0 3 | 12 0 | 0 51 | 6 14 | 17 5 | 18 2 | 18 29 | 22 24 | 15 3 | 6 21 |
| T 14 | 0 24 | 1 19 | 3 17 | 8 30 | 3 34 | 2 15 | 1 22 | 3 23 | 0 56 | 15 0 | 1 20 | 20 10 | 0 21 | 21 59 | 0 3 | 12 1 | 0 51 | 6 15 | 17 5 | 18 3 | 18 30 | 22 26 | 15 1 | 6 21 |
| F 15 | 0 1 | 5s17 | 4 10 | 8 6 | 3 27 | 1 44 | 1 22 | 3 7 | 0 56 | 15 2 | 1 20 | 20 9 | 0 21 | 21 59 | 0 3 | 12 1 | 0 51 | 6 15 | 17 5 | 18 5 | 18 30 | 22 28 | 15 0 | 6 22 |
| S 16 | 0s23 | 11 41 | 4 47 | 7 38 | 3 18 | 1 14 | 1 21 | 2 52 | 0 56 | 15 3 | 1 20 | 20 7 | 0 22 | 21 59 | 0 3 | 12 2 | 0 51 | 6 16 | 17 5 | 18 7 | 18 31 | 22 29 | 14 59 | 6 22 |
| S 17 | 0 46 | 17 27 | 5 4 | 7 5 | 3 7 | 0 43 | 1 20 | 2 36 | 0 55 | 15 5 | 1 20 | 20 6 | 0 22 | 21 59 | 0 3 | 12 2 | 0 51 | 6 16 | 17 6 | 18 9 | 18 32 | 22 31 | 14 58 | 6 23 |
| M18 | 1 10 | 22 8 | 5 1 | 6 29 | 2 54 | 0 13 | 1 19 | 2 20 | 0 55 | 15 6 | 1 20 | 20 5 | 0 22 | 21 59 | 0 3 | 12 3 | 0 51 | 6 16 | 17 6 | 18 11 | 18 33 | 22 33 | 14 56 | 6 24 |
| T 19 | 1 34 | 25 22 | 4 38 | 5 49 | 2 39 | 0s18 | 1 19 | 2 4 | 0 55 | 15 7 | 1 20 | 20 4 | 0 22 | 21 59 | 0 3 | 12 3 | 0 51 | 6 17 | 17 6 | 18 13 | 18 34 | 22 34 | 14 55 | 6 24 |
| W20 | 1 57 | 26 52 | 3 58 | 5 6 | 2 22 | 0 49 | 1 18 | 1 48 | 0 54 | 15 9 | 1 20 | 20 3 | 0 22 | 21 58 | 0 3 | 12 4 | 0 51 | 6 17 | 17 6 | 18 13 | 18 34 | 22 36 | 14 54 | 6 25 |
| T 21 | 2 21 | 26 36 | 3 5 | 4 21 | 2 5 | 1 20 | 1 17 | 1 32 | 0 54 | 15 10 | 1 20 | 20 2 | 0 22 | 21 58 | 0 3 | 12 4 | 0 51 | 6 18 | 17 6 | 18 14 | 18 35 | 22 38 | 14 53 | 6 25 |
| F 22 | 2 44 | 24 40 | 2 1 | 3 36 | 1 45 | 1 50 | 1 16 | 1 16 | 0 54 | 15 11 | 1 20 | 20 1 | 0 22 | 21 58 | 0 3 | 12 5 | 0 51 | 6 18 | 17 6 | 18 14 | 18 36 | 22 39 | 14 51 | 6 26 |
| S 23 | 3 8 | 21 23 | 0 53 | 2 50 | 1 25 | 2 21 | 1 15 | 1 0 | 0 53 | 15 12 | 1 19 | 20 1 | 0 22 | 21 58 | 0 3 | 12 5 | 0 51 | 6 19 | 17 6 | 18 14 | 18 37 | 22 41 | 14 50 | 6 27 |
| S 24 | 3 31 | 17 4 | 0n18 | 2 7 | 1 5 | 2 52 | 1 13 | 0 45 | 0 53 | 15 13 | 1 19 | 20 0 | 0 23 | 21 58 | 0 3 | 12 5 | 0 51 | 6 19 | 17 6 | 18 14 | 18 38 | 22 43 | 14 49 | 6 27 |
| M25 | 3 55 | 12 2 | 1 25 | 1 25 | 0 44 | 3 22 | 1 12 | 0 29 | 0 53 | 15 14 | 1 19 | 19 59 | 0 23 | 21 58 | 0 3 | 12 6 | 0 51 | 6 20 | 17 6 | 18 14 | 18 39 | 22 44 | 14 48 | 6 28 |
| T 26 | 4 18 | 6 35 | 2 28 | 0 47 | 0 24 | 3 53 | 1 11 | 0 13 | 0 52 | 15 15 | 1 19 | 19 58 | 0 23 | 21 58 | 0 3 | 12 6 | 0 51 | 6 20 | 17 6 | 18 15 | 18 39 | 22 46 | 14 46 | 6 28 |
| W27 | 4 41 | 0 57 | 3 22 | 0 14 | 0 4 | 4 23 | 1 10 | 0s 3 | 0 52 | 15 16 | 1 19 | 19 57 | 0 23 | 21 58 | 0 3 | 12 7 | 0 51 | 6 21 | 17 7 | 18 17 | 18 40 | 22 48 | 14 45 | 6 29 |
| T 28 | 5 5 | 4n37 | 4 5 | 0n15 | 0n14 | 4 54 | 1 8 | 0 19 | 0 52 | 15 16 | 1 19 | 19 56 | 0 23 | 21 57 | 0 3 | 12 7 | 0 51 | 6 21 | 17 7 | 18 19 | 18 41 | 22 49 | 14 44 | 6 30 |
| F 29 | 5 28 | 9 57 | 4 37 | 0 38 | 0 32 | 5 24 | 1 7 | 0 35 | 0 51 | 15 17 | 1 19 | 19 55 | 0 23 | 21 57 | 0 3 | 12 7 | 0 51 | 6 21 | 17 7 | 18 22 | 18 42 | 22 51 | 14 43 | 6 30 |
| S 30 | 5s51 | 14n51 | 4n56 | 0n55 | 0n48 | 5s54 | 1n 5 | 0s51 | 0n51 | 15s17 | 1s18 | 19n54 | 0n23 | 21n57 | 0s 3 | 12s 8 | 0s51 | 6s22 | 17s 7 | 18s25 | 18s43 | 22n52 | 14n42 | 6s31 |

Julian Day Number = 2216945.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'51, Lahiri = 14°53'51 Julian Calendar 1 Sept. 1357 == Greg. Calendar 9 Sept. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## OCTOBER 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 10 42 | 15♎47'34 | 8♉31 | 29♍37 | 18♎47 | 4♎45 | 22°R29 | 3♌11 | 9°R47 | 0°R30 | 24°R36 | 7°R27 | 6♒28 | 21♉ 7 | 25♋37 | S 1 |
| M 2 | 1 14 38 | 16°47'12 | 20°25 | 29°52 | 20° 2 | 5°25 | 22♒27 | 3°15 | 9♊46 | 0♓29 | 24♈35 | 7♒15 | 6°25 | 21°14 | 25°39 | M 2 |
| T 3 | 1 18 35 | 17°46'53 | 2♊16 | 0♎18 | 21°17 | 6° 4 | 22°26 | 3°19 | 9°45 | 0°28 | 24°34 | 7° 5 | 6°22 | 21°21 | 25°42 | T 3 |
| W 4 | 1 22 31 | 18°46'36 | 14° 7 | 0°53 | 22°32 | 6°44 | 22°24 | 3°23 | 9°43 | 0°27 | 24°33 | 6°57 | 6°19 | 21°28 | 25°45 | W 4 |
| T 5 | 1 26 28 | 19°46'21 | 26° 0 | 1°37 | 23°48 | 7°23 | 22°23 | 3°26 | 9°42 | 0°26 | 24°31 | 6°52 | 6°16 | 21°34 | 25°47 | T 5 |
| F 6 | 1 30 25 | 20°46'08 | 8♋ 1 | 2°29 | 25° 3 | 8° 3 | 22°22 | 3°30 | 9°41 | 0°25 | 24°30 | 6°50 | 6°12 | 21°41 | 25°50 | F 6 |
| S 7 | 1 34 21 | 21°45'58 | 20°14 | 3°28 | 26°18 | 8°42 | 22°22 | 3°33 | 9°39 | 0°24 | 24°29 | 6°D49 | 6° 9 | 21°48 | 25°52 | S 7 |
| S 8 | 1 38 18 | 22°45'49 | 2♌45 | 4°34 | 27°33 | 9°22 | 22°21 | 3°37 | 9°38 | 0°23 | 24°28 | 6°R49 | 6° 6 | 21°54 | 25°54 | S 8 |
| M 9 | 1 42 14 | 23°45'43 | 15°38 | 5°45 | 28°48 | 10° 1 | 22°21 | 3°40 | 9°36 | 0°22 | 24°27 | 6°49 | 6° 3 | 22° 1 | 25°57 | M 9 |
| T 10 | 1 46 11 | 24°45'39 | 28°58 | 7° 1 | 0♏ 3 | 10°41 | 22°D20 | 3°43 | 9°35 | 0°22 | 24°26 | 6°47 | 6° 0 | 22° 8 | 25°59 | T 10 |
| W11 | 1 50 7 | 25°45'38 | 12♍47 | 8°20 | 1°19 | 11°21 | 22°20 | 3°46 | 9°33 | 0°21 | 24°25 | 6°43 | 5°56 | 22°15 | 26° 1 | W11 |
| T 12 | 1 54 4 | 26°45'38 | 27° 6 | 9°44 | 2°34 | 12° 0 | 22°21 | 3°49 | 9°31 | 0°20 | 24°24 | 6°36 | 5°53 | 22°21 | 26° 3 | T 12 |
| F 13 | 1 58 0 | 27°45'41 | 11♎52 | 11°10 | 3°49 | 12°40 | 22°21 | 3°52 | 9°30 | 0°19 | 24°22 | 6°27 | 5°50 | 22°28 | 26° 4 | F 13 |
| S 14 | 2 1 57 | 28°45'45 | 26°57 | 12°39 | 5° 4 | 13°20 | 22°22 | 3°55 | 9°28 | 0°19 | 24°21 | 6°16 | 5°47 | 22°35 | 26° 6 | S 14 |
| S 15 | 2 5 54 | 29°45'52 | 12♏11 | 14° 9 | 6°19 | 13°59 | 22°23 | 3°57 | 9°26 | 0°18 | 24°20 | 6° 4 | 5°44 | 22°41 | 26° 8 | S 15 |
| M16 | 2 9 50 | 0♏46'00 | 27°24 | 15°41 | 7°35 | 14°39 | 22°24 | 4° 0 | 9°24 | 0°17 | 24°19 | 5°54 | 5°41 | 22°48 | 26° 9 | M16 |
| T 17 | 2 13 47 | 1°46'11 | 12♐25 | 17°15 | 8°50 | 15°19 | 22°25 | 4° 2 | 9°23 | 0°17 | 24°18 | 5°45 | 5°37 | 22°55 | 26°11 | T 17 |
| W18 | 2 17 43 | 2°46'23 | 27° 6 | 18°50 | 10° 5 | 15°59 | 22°26 | 4° 4 | 9°21 | 0°16 | 24°17 | 5°39 | 5°34 | 23° 2 | 26°12 | W18 |
| T 19 | 2 21 40 | 3°46'36 | 11♑22 | 20°25 | 11°20 | 16°39 | 22°28 | 4° 7 | 9°19 | 0°16 | 24°16 | 5°36 | 5°31 | 23° 8 | 26°13 | T 19 |
| F 20 | 2 25 36 | 4°46'51 | 25°11 | 22° 1 | 12°36 | 17°19 | 22°30 | 4° 9 | 9°17 | 0°15 | 24°15 | 5°35 | 5°28 | 23°15 | 26°14 | F 20 |
| S 21 | 2 29 33 | 5°47'07 | 8♒36 | 23°38 | 13°51 | 17°59 | 22°32 | 4°11 | 9°15 | 0°15 | 24°13 | 5°35 | 5°25 | 23°22 | 26°15 | S 21 |
| S 22 | 2 33 29 | 6°47'25 | 21°39 | 25°14 | 15° 6 | 18°38 | 22°34 | 4°13 | 9°13 | 0°14 | 24°12 | 5°34 | 5°22 | 23°29 | 26°16 | S 22 |
| M23 | 2 37 26 | 7°47'44 | 4♓23 | 26°51 | 16°21 | 19°18 | 22°37 | 4°14 | 9°11 | 0°14 | 24°11 | 5°32 | 5°18 | 23°35 | 26°17 | M23 |
| T 24 | 2 41 23 | 8°48'05 | 16°52 | 28°28 | 17°36 | 19°58 | 22°39 | 4°16 | 9° 9 | 0°14 | 24°10 | 5°28 | 5°15 | 23°42 | 26°18 | T 24 |
| W25 | 2 45 19 | 9°48'27 | 29°11 | 0♏ 5 | 18°52 | 20°38 | 22°42 | 4°18 | 9° 7 | 0°13 | 24° 9 | 5°20 | 5°12 | 23°49 | 26°18 | W25 |
| T 26 | 2 49 16 | 10°48'50 | 11♈20 | 1°42 | 20° 7 | 21°18 | 22°45 | 4°19 | 9° 5 | 0°13 | 24° 8 | 5°10 | 5° 9 | 23°55 | 26°19 | T 26 |
| F 27 | 2 53 12 | 11°49'16 | 23°23 | 3°19 | 21°22 | 21°59 | 22°49 | 4°20 | 9° 2 | 0°13 | 24° 7 | 4°57 | 5° 6 | 24° 2 | 26°19 | F 27 |
| S 28 | 2 57 9 | 12°49'42 | 5♉21 | 4°56 | 22°37 | 22°39 | 22°52 | 4°21 | 9° 0 | 0°12 | 24° 6 | 4°43 | 5° 2 | 24° 9 | 26°20 | S 28 |
| S 29 | 3 1 5 | 13°50'11 | 17°16 | 6°33 | 23°52 | 23°19 | 22°56 | 4°23 | 8°58 | 0°12 | 24° 5 | 4°28 | 4°59 | 24°16 | 26°20 | S 29 |
| M30 | 3 5 2 | 14°50'41 | 29° 8 | 8° 9 | 25° 8 | 23°59 | 23° 0 | 4°24 | 8°56 | 0°12 | 24° 4 | 4°14 | 4°56 | 24°22 | 26°20 | M30 |
| T 31 | 3 8 58 | 15♏51'13 | 10♊59 | 9♏46 | 26♏23 | 24♎39 | 23♒ 4 | 4♌24 | 8♊53 | 0♓12 | 24♈ 3 | 4♒ 2 | 4♒53 | 24♉29 | 26°R20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s14 | 19n 8 | 5n 1 | 1n 7 | 1n 3 | 6s24 | 1n 4 | 1s 7 | 0n51 | 15s18 | 1s18 | 19n54 | 0n23 | 21n57 | 0s 3 | 12s 8 | 0s51 | 6s22 | 17s 7 | 18s28 | 18s43 | 22n54 | 14n41 | 6s32 |
| M 2 | 6 37 | 22 38 | 4 54 | 1 12 | 1 16 | 6 54 | 1 2 | 1 23 | 0 50 | 15 18 | 1 18 | 19 53 | 0 24 | 21 57 | 0 3 | 12 8 | 0 51 | 6 23 | 17 7 | 18 31 | 18 44 | 22 56 | 14 39 | 6 32 |
| T 3 | 7 0 | 25 9 | 4 33 | 1 13 | 1 27 | 7 24 | 1 0 | 1 39 | 0 50 | 15 19 | 1 18 | 19 52 | 0 24 | 21 57 | 0 3 | 12 9 | 0 51 | 6 23 | 17 7 | 18 34 | 18 45 | 22 57 | 14 38 | 6 33 |
| W 4 | 7 23 | 26 34 | 4 1 | 1 8 | 1 37 | 7 54 | 0 59 | 1 55 | 0 50 | 15 19 | 1 18 | 19 51 | 0 24 | 21 56 | 0 3 | 12 9 | 0 51 | 6 24 | 17 7 | 18 36 | 18 46 | 22 59 | 14 37 | 6 34 |
| T 5 | 7 46 | 26 46 | 3 18 | 0 58 | 1 45 | 8 23 | 0 57 | 2 11 | 0 49 | 15 19 | 1 18 | 19 51 | 0 24 | 21 56 | 0 3 | 12 9 | 0 51 | 6 24 | 17 7 | 18 37 | 18 46 | 23 0 | 14 36 | 6 34 |
| F 6 | 8 8 | 25 43 | 2 26 | 0 43 | 1 52 | 8 52 | 0 55 | 2 27 | 0 49 | 15 19 | 1 17 | 19 50 | 0 24 | 21 56 | 0 3 | 12 10 | 0 51 | 6 24 | 17 7 | 18 38 | 18 47 | 23 2 | 14 35 | 6 35 |
| S 7 | 8 31 | 23 25 | 1 27 | 0 24 | 1 57 | 9 21 | 0 53 | 2 43 | 0 49 | 15 20 | 1 17 | 19 49 | 0 24 | 21 56 | 0 3 | 12 10 | 0 51 | 6 25 | 17 7 | 18 38 | 18 48 | 23 4 | 14 34 | 6 36 |
| S 8 | 8 53 | 19 58 | 0 22 | 0 2 | 2 1 | 9 50 | 0 52 | 2 59 | 0 48 | 15 20 | 1 17 | 19 49 | 0 24 | 21 56 | 0 3 | 12 10 | 0 51 | 6 25 | 17 7 | 18 38 | 18 49 | 23 5 | 14 33 | 6 36 |
| M 9 | 9 15 | 15 28 | 0s47 | 0s23 | 2 4 | 10 19 | 0 50 | 3 15 | 0 48 | 15 20 | 1 17 | 19 48 | 0 25 | 21 55 | 0 3 | 12 11 | 0 51 | 6 26 | 17 7 | 18 38 | 18 50 | 23 7 | 14 32 | 6 37 |
| T 10 | 9 37 | 10 5 | 1 54 | 0 52 | 2 6 | 10 47 | 0 48 | 3 31 | 0 48 | 15 19 | 1 17 | 19 47 | 0 25 | 21 55 | 0 3 | 12 11 | 0 51 | 6 26 | 17 7 | 18 39 | 18 50 | 23 8 | 14 31 | 6 38 |
| W11 | 9 59 | 4 3 | 2 58 | 1 23 | 2 7 | 11 15 | 0 46 | 3 47 | 0 47 | 15 19 | 1 17 | 19 47 | 0 25 | 21 55 | 0 3 | 12 11 | 0 51 | 6 26 | 17 7 | 18 40 | 18 51 | 23 10 | 14 30 | 6 38 |
| T 12 | 10 21 | 2s24 | 3 52 | 1 56 | 2 7 | 11 43 | 0 44 | 4 3 | 0 47 | 15 19 | 1 16 | 19 46 | 0 25 | 21 55 | 0 3 | 12 11 | 0 51 | 6 27 | 17 7 | 18 41 | 18 52 | 23 11 | 14 29 | 6 39 |
| F 13 | 10 43 | 8 54 | 4 33 | 2 30 | 2 6 | 12 11 | 0 42 | 4 19 | 0 46 | 15 19 | 1 16 | 19 46 | 0 25 | 21 54 | 0 3 | 12 12 | 0 51 | 6 27 | 17 7 | 18 44 | 18 53 | 23 13 | 14 28 | 6 40 |
| S 14 | 11 4 | 15 1 | 4 56 | 3 7 | 2 4 | 12 38 | 0 40 | 4 34 | 0 46 | 15 18 | 1 16 | 19 45 | 0 25 | 21 54 | 0 3 | 12 12 | 0 51 | 6 28 | 17 7 | 18 46 | 18 54 | 23 14 | 14 27 | 6 40 |
| S 15 | 11 26 | 20 17 | 4 58 | 3 44 | 2 1 | 13 5 | 0 37 | 4 50 | 0 46 | 15 18 | 1 16 | 19 45 | 0 25 | 21 54 | 0 3 | 12 12 | 0 51 | 6 28 | 17 7 | 18 49 | 18 54 | 23 16 | 14 26 | 6 41 |
| M16 | 11 47 | 24 11 | 4 40 | 4 23 | 1 58 | 13 32 | 0 35 | 5 6 | 0 45 | 15 17 | 1 16 | 19 44 | 0 26 | 21 54 | 0 3 | 12 12 | 0 51 | 6 28 | 17 7 | 18 52 | 18 55 | 23 17 | 14 25 | 6 42 |
| T 17 | 12 8 | 26 21 | 4 1 | 5 2 | 1 55 | 13 58 | 0 33 | 5 22 | 0 45 | 15 17 | 1 16 | 19 44 | 0 26 | 21 53 | 0 3 | 12 13 | 0 51 | 6 29 | 17 7 | 18 54 | 18 56 | 23 19 | 14 24 | 6 42 |
| W18 | 12 29 | 26 38 | 3 8 | 5 42 | 1 51 | 14 24 | 0 31 | 5 38 | 0 44 | 15 16 | 1 15 | 19 43 | 0 26 | 21 53 | 0 3 | 12 13 | 0 51 | 6 29 | 17 7 | 18 56 | 18 57 | 23 20 | 14 23 | 6 43 |
| T 19 | 12 49 | 25 6 | 2 4 | 6 22 | 1 46 | 14 50 | 0 29 | 5 53 | 0 44 | 15 15 | 1 15 | 19 43 | 0 26 | 21 53 | 0 3 | 12 13 | 0 51 | 6 29 | 17 6 | 18 56 | 18 57 | 23 22 | 14 22 | 6 44 |
| F 20 | 13 10 | 22 4 | 0 55 | 7 2 | 1 41 | 15 15 | 0 26 | 6 9 | 0 44 | 15 15 | 1 15 | 19 43 | 0 26 | 21 53 | 0 3 | 12 13 | 0 51 | 6 30 | 17 6 | 18 57 | 18 58 | 23 23 | 14 21 | 6 45 |
| S 21 | 13 30 | 17 55 | 0n16 | 7 43 | 1 36 | 15 40 | 0 24 | 6 25 | 0 43 | 15 14 | 1 15 | 19 42 | 0 26 | 21 52 | 0 3 | 12 13 | 0 51 | 6 30 | 17 6 | 18 57 | 18 59 | 23 25 | 14 20 | 6 45 |
| S 22 | 13 50 | 13 1 | 1 24 | 8 24 | 1 31 | 16 5 | 0 22 | 6 40 | 0 43 | 15 13 | 1 15 | 19 42 | 0 26 | 21 52 | 0 3 | 12 13 | 0 51 | 6 30 | 17 6 | 18 57 | 19 0 | 23 26 | 14 19 | 6 46 |
| M23 | 14 10 | 7 41 | 2 26 | 9 4 | 1 25 | 16 29 | 0 19 | 6 56 | 0 42 | 15 12 | 1 15 | 19 42 | 0 27 | 21 52 | 0 3 | 12 13 | 0 51 | 6 30 | 17 6 | 18 57 | 19 1 | 23 28 | 14 19 | 6 47 |
| T 24 | 14 29 | 2 8 | 3 19 | 9 44 | 1 19 | 16 52 | 0 17 | 7 11 | 0 42 | 15 11 | 1 14 | 19 42 | 0 27 | 21 51 | 0 3 | 12 14 | 0 51 | 6 31 | 17 6 | 18 58 | 19 1 | 23 29 | 14 18 | 6 47 |
| W25 | 14 48 | 3n23 | 4 3 | 10 24 | 1 13 | 17 15 | 0 15 | 7 27 | 0 42 | 15 10 | 1 14 | 19 41 | 0 27 | 21 51 | 0 3 | 12 14 | 0 51 | 6 31 | 17 6 | 19 0 | 19 2 | 23 31 | 14 17 | 6 48 |
| T 26 | 15 7 | 8 42 | 4 34 | 11 4 | 1 7 | 17 38 | 0 12 | 7 42 | 0 41 | 15 9 | 1 14 | 19 41 | 0 27 | 21 51 | 0 3 | 12 14 | 0 51 | 6 31 | 17 6 | 19 3 | 19 3 | 23 32 | 14 16 | 6 49 |
| F 27 | 15 26 | 13 39 | 4 53 | 11 43 | 1 0 | 18 0 | 0 10 | 7 58 | 0 41 | 15 7 | 1 14 | 19 41 | 0 27 | 21 50 | 0 3 | 12 14 | 0 51 | 6 32 | 17 6 | 19 6 | 19 4 | 23 34 | 14 15 | 6 49 |
| S 28 | 15 45 | 18 3 | 4 59 | 12 22 | 0 54 | 18 22 | 0 8 | 8 13 | 0 40 | 15 6 | 1 14 | 19 41 | 0 27 | 21 50 | 0 3 | 12 14 | 0 51 | 6 32 | 17 6 | 19 9 | 19 4 | 23 35 | 14 15 | 6 50 |
| S 29 | 16 3 | 21 43 | 4 52 | 13 1 | 0 47 | 18 44 | 0 5 | 8 28 | 0 40 | 15 5 | 1 13 | 19 41 | 0 27 | 21 50 | 0 3 | 12 14 | 0 51 | 6 32 | 17 5 | 19 13 | 19 5 | 23 36 | 14 14 | 6 51 |
| M30 | 16 21 | 24 28 | 4 32 | 13 38 | 0 40 | 19 4 | 0 3 | 8 44 | 0 39 | 15 3 | 1 13 | 19 41 | 0 28 | 21 49 | 0 3 | 12 14 | 0 51 | 6 32 | 17 5 | 19 16 | 19 6 | 23 38 | 14 13 | 6 51 |
| T 31 | 16s39 | 26n 8 | 4n 0 | 14s16 | 0n34 | 19s25 | 0n 0 | 8s59 | 0n39 | 15s 2 | 1s13 | 19n40 | 0n28 | 21n49 | 0s 3 | 12s14 | 0s51 | 6s33 | 17s 5 | 19s19 | 19s 7 | 23n39 | 14n13 | 6s52 |

Julian Day Number = 2216975.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'55, Lahiri = 14°53'55 Julian Calendar 1 Oct. 1357 == Greg. Calendar 9 Oct. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## NOVEMBER 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 12 55 | 16♏51'46 | 22♊51 | 11♏22 | 27♏38 | 25♎19 | 23♒ 8 | 4♌25 | 8°R51 | 0°R12 | 24°R 2 | 3°R52 | 4♒50 | 24♉36 | 26°R20 | W 1 |
| T 2 | 3 16 52 | 17°52'21 | 4♋47 | 12°58 | 28°53 | 26° 0 | 23°12 | 4°26 | 8♊49 | 0♓12 | 24♈ 1 | 3♒46 | 4°47 | 24°42 | 26♋20 | T 2 |
| F 3 | 3 20 48 | 18°52'58 | 16°49 | 14°33 | 0♐ 8 | 26°40 | 23°17 | 4°26 | 8°47 | 0°D12 | 24° 0 | 3°43 | 4°43 | 24°49 | 26°19 | F 3 |
| S 4 | 3 24 45 | 19°53'36 | 29° 1 | 16° 9 | 1°24 | 27°20 | 23°22 | 4°27 | 8°44 | 0°12 | 23°59 | 3°D41 | 4°40 | 24°56 | 26°19 | S 4 |
| S 5 | 3 28 41 | 20°54'16 | 11♌29 | 17°44 | 2°39 | 28° 1 | 23°26 | 4°27 | 8°42 | 0°12 | 23°58 | 3°41 | 4°37 | 25° 3 | 26°18 | S 5 |
| M 6 | 3 32 38 | 21°54'58 | 24°16 | 19°19 | 3°54 | 28°41 | 23°32 | 4°27 | 8°39 | 0°12 | 23°57 | 3°R42 | 4°34 | 25° 9 | 26°18 | M 6 |
| T 7 | 3 36 34 | 22°55'42 | 7♍28 | 20°54 | 5° 9 | 29°21 | 23°37 | 4°R28 | 8°37 | 0°12 | 23°56 | 3°41 | 4°31 | 25°16 | 26°17 | T 7 |
| W 8 | 3 40 31 | 23°56'27 | 21° 9 | 22°29 | 6°25 | 0♏ 2 | 23°42 | 4°28 | 8°35 | 0°12 | 23°55 | 3°38 | 4°28 | 25°23 | 26°16 | W 8 |
| T 9 | 3 44 27 | 24°57'13 | 5♎18 | 24° 4 | 7°40 | 0°42 | 23°48 | 4°27 | 8°32 | 0°12 | 23°54 | 3°32 | 4°24 | 25°29 | 26°15 | T 9 |
| F 10 | 3 48 24 | 25°58'02 | 19°57 | 25°39 | 8°55 | 1°23 | 23°54 | 4°27 | 8°30 | 0°12 | 23°53 | 3°24 | 4°21 | 25°36 | 26°15 | F 10 |
| S 11 | 3 52 21 | 26°58'51 | 4♏59 | 27°13 | 10°10 | 2° 3 | 24° 0 | 4°27 | 8°27 | 0°13 | 23°52 | 3°15 | 4°18 | 25°43 | 26°13 | S 11 |
| S 12 | 3 56 17 | 27°59'43 | 20°16 | 28°47 | 11°25 | 2°44 | 24° 6 | 4°26 | 8°25 | 0°13 | 23°51 | 3° 4 | 4°15 | 25°50 | 26°12 | S 12 |
| M13 | 4 0 14 | 29° 0'35 | 5♐37 | 0♐22 | 12°41 | 3°24 | 24°12 | 4°26 | 8°22 | 0°13 | 23°50 | 2°55 | 4°12 | 25°56 | 26°11 | M13 |
| T 14 | 4 4 10 | 0♐ 1'29 | 20°50 | 1°56 | 13°56 | 4° 5 | 24°19 | 4°25 | 8°20 | 0°14 | 23°49 | 2°47 | 4° 8 | 26° 3 | 26°10 | T 14 |
| W15 | 4 8 7 | 1° 2'24 | 5♑46 | 3°30 | 15°11 | 4°46 | 24°26 | 4°24 | 8°17 | 0°14 | 23°48 | 2°41 | 4° 5 | 26°10 | 26° 8 | W15 |
| T 16 | 4 12 3 | 2° 3'19 | 20°16 | 5° 4 | 16°26 | 5°26 | 24°32 | 4°23 | 8°15 | 0°14 | 23°47 | 2°39 | 4° 2 | 26°16 | 26° 7 | T 16 |
| F 17 | 4 16 0 | 3° 4'16 | 4♒18 | 6°38 | 17°41 | 6° 7 | 24°39 | 4°22 | 8°12 | 0°15 | 23°46 | 2°D38 | 3°59 | 26°23 | 26° 5 | F 17 |
| S 18 | 4 19 57 | 4° 5'13 | 17°51 | 8°12 | 18°57 | 6°48 | 24°47 | 4°21 | 8°10 | 0°15 | 23°46 | 2°39 | 3°56 | 26°30 | 26° 3 | S 18 |
| S 19 | 4 23 53 | 5° 6'11 | 0♓58 | 9°46 | 20°12 | 7°29 | 24°54 | 4°20 | 8° 7 | 0°16 | 23°45 | 2°R39 | 3°53 | 26°37 | 26° 1 | S 19 |
| M20 | 4 27 50 | 6° 7'09 | 13°43 | 11°20 | 21°27 | 8° 9 | 25° 1 | 4°19 | 8° 4 | 0°17 | 23°44 | 2°39 | 3°49 | 26°43 | 25°59 | M20 |
| T 21 | 4 31 46 | 7° 8'08 | 26° 9 | 12°54 | 22°42 | 8°50 | 25° 9 | 4°17 | 8° 2 | 0°17 | 23°43 | 2°37 | 3°46 | 26°50 | 25°57 | T 21 |
| W22 | 4 35 43 | 8° 9'08 | 8♈22 | 14°29 | 23°57 | 9°31 | 25°17 | 4°15 | 7°59 | 0°18 | 23°42 | 2°33 | 3°43 | 26°57 | 25°55 | W22 |
| T 23 | 4 39 39 | 9°10'09 | 20°25 | 16° 3 | 25°12 | 10°12 | 25°25 | 4°14 | 7°57 | 0°18 | 23°42 | 2°26 | 3°40 | 27° 3 | 25°53 | T 23 |
| F 24 | 4 43 36 | 10°11'10 | 2♉21 | 17°37 | 26°28 | 10°53 | 25°33 | 4°12 | 7°54 | 0°19 | 23°41 | 2°17 | 3°37 | 27°10 | 25°51 | F 24 |
| S 25 | 4 47 32 | 11°12'12 | 14°14 | 19°11 | 27°43 | 11°34 | 25°41 | 4°10 | 7°52 | 0°20 | 23°40 | 2° 7 | 3°34 | 27°17 | 25°48 | S 25 |
| S 26 | 4 51 29 | 12°13'14 | 26° 6 | 20°45 | 28°58 | 12°15 | 25°50 | 4° 8 | 7°49 | 0°21 | 23°40 | 1°56 | 3°30 | 27°23 | 25°46 | S 26 |
| M27 | 4 55 26 | 13°14'17 | 7♊58 | 22°20 | 0♑13 | 12°56 | 25°58 | 4° 6 | 7°47 | 0°21 | 23°39 | 1°47 | 3°27 | 27°30 | 25°43 | M27 |
| T 28 | 4 59 22 | 14°15'21 | 19°53 | 23°54 | 1°28 | 13°37 | 26° 7 | 4° 4 | 7°44 | 0°22 | 23°38 | 1°38 | 3°24 | 27°37 | 25°41 | T 28 |
| W29 | 5 3 19 | 15°16'26 | 1♋50 | 25°29 | 2°43 | 14°18 | 26°16 | 4° 1 | 7°42 | 0°23 | 23°38 | 1°32 | 3°21 | 27°44 | 25°38 | W29 |
| T 30 | 5 7 15 | 16♐17'31 | 13♋53 | 27♐ 3 | 3♑58 | 14♏59 | 26♒25 | 3♌59 | 7♊39 | 0♓24 | 23♈37 | 1♒28 | 3♒18 | 27♉50 | 25♋35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s56 | 26n38 | 3n18 | 14s52 | 0n27 | 19s44 | 0s 2 | 9s14 | 0n38 | 15s 0 | 1s13 | 19n40 | 0n28 | 21n49 | 0s 3 | 12s14 | 0s51 | 6s33 | 17s 5 | 19s21 | 19s 8 | 23n41 | 14n12 | 6s53 |
| T 2 | 17 13 | 25 53 | 2 27 | 15 28 | 0 20 | 20 3 | 0 5 | 9 29 | 0 38 | 14 59 | 1 13 | 19 40 | 0 28 | 21 48 | 0 3 | 12 14 | 0 51 | 6 33 | 17 5 | 19 23 | 19 8 | 23 42 | 14 11 | 6 54 |
| F 3 | 17 30 | 23 55 | 1 28 | 16 3 | 0 13 | 20 22 | 0 7 | 9 44 | 0 38 | 14 57 | 1 13 | 19 40 | 0 28 | 21 48 | 0 3 | 12 14 | 0 51 | 6 33 | 17 5 | 19 23 | 19 9 | 23 43 | 14 11 | 6 54 |
| S 4 | 17 46 | 20 50 | 0 25 | 16 38 | 0 6 | 20 40 | 0 10 | 9 59 | 0 37 | 14 55 | 1 12 | 19 40 | 0 28 | 21 48 | 0 3 | 12 14 | 0 51 | 6 33 | 17 4 | 19 24 | 19 10 | 23 45 | 14 10 | 6 55 |
| S 5 | 18 3 | 16 44 | 0s41 | 17 11 | 0s 0 | 20 58 | 0 12 | 10 14 | 0 37 | 14 53 | 1 12 | 19 41 | 0 28 | 21 47 | 0 3 | 12 14 | 0 51 | 6 34 | 17 4 | 19 24 | 19 11 | 23 46 | 14 10 | 6 56 |
| M 6 | 18 19 | 11 48 | 1 47 | 17 44 | 0 7 | 21 14 | 0 14 | 10 29 | 0 36 | 14 52 | 1 12 | 19 41 | 0 29 | 21 47 | 0 3 | 12 14 | 0 51 | 6 34 | 17 4 | 19 24 | 19 11 | 23 48 | 14 9 | 6 56 |
| T 7 | 18 34 | 6 11 | 2 49 | 18 16 | 0 14 | 21 31 | 0 17 | 10 44 | 0 36 | 14 50 | 1 12 | 19 41 | 0 29 | 21 47 | 0 3 | 12 14 | 0 51 | 6 34 | 17 4 | 19 24 | 19 12 | 23 49 | 14 8 | 6 57 |
| W 8 | 18 49 | 0 6 | 3 44 | 18 47 | 0 20 | 21 46 | 0 19 | 10 58 | 0 35 | 14 48 | 1 12 | 19 41 | 0 29 | 21 46 | 0 3 | 12 14 | 0 51 | 6 34 | 17 4 | 19 25 | 19 13 | 23 50 | 14 8 | 6 58 |
| T 9 | 19 4 | 6s12 | 4 27 | 19 17 | 0 27 | 22 1 | 0 22 | 11 13 | 0 35 | 14 46 | 1 12 | 19 41 | 0 29 | 21 46 | 0 3 | 12 14 | 0 51 | 6 34 | 17 4 | 19 26 | 19 14 | 23 52 | 14 7 | 6 58 |
| F 10 | 19 19 | 12 22 | 4 54 | 19 47 | 0 33 | 22 16 | 0 24 | 11 28 | 0 34 | 14 43 | 1 11 | 19 41 | 0 29 | 21 45 | 0 3 | 12 14 | 0 51 | 6 34 | 17 3 | 19 28 | 19 14 | 23 53 | 14 7 | 6 59 |
| S 11 | 19 33 | 17 58 | 5 2 | 20 15 | 0 39 | 22 30 | 0 27 | 11 42 | 0 34 | 14 41 | 1 11 | 19 42 | 0 29 | 21 45 | 0 3 | 12 14 | 0 51 | 6 34 | 17 3 | 19 30 | 19 15 | 23 54 | 14 7 | 7 0 |
| S 12 | 19 47 | 22 31 | 4 49 | 20 42 | 0 46 | 22 43 | 0 29 | 11 56 | 0 33 | 14 39 | 1 11 | 19 42 | 0 30 | 21 45 | 0 2 | 12 13 | 0 51 | 6 35 | 17 3 | 19 32 | 19 16 | 23 56 | 14 6 | 7 0 |
| M13 | 20 1 | 25 30 | 4 15 | 21 9 | 0 52 | 22 55 | 0 31 | 12 11 | 0 33 | 14 37 | 1 11 | 19 42 | 0 30 | 21 44 | 0 2 | 12 13 | 0 51 | 6 35 | 17 3 | 19 35 | 19 17 | 23 57 | 14 6 | 7 1 |
| T 14 | 20 14 | 26 35 | 3 23 | 21 34 | 0 58 | 23 7 | 0 34 | 12 25 | 0 32 | 14 34 | 1 11 | 19 42 | 0 30 | 21 44 | 0 2 | 12 13 | 0 51 | 6 35 | 17 2 | 19 36 | 19 17 | 23 58 | 14 5 | 7 2 |
| W15 | 20 26 | 25 42 | 2 18 | 21 58 | 1 4 | 23 18 | 0 36 | 12 39 | 0 32 | 14 32 | 1 11 | 19 43 | 0 30 | 21 43 | 0 2 | 12 13 | 0 51 | 6 35 | 17 2 | 19 38 | 19 18 | 24 0 | 14 5 | 7 2 |
| T 16 | 20 39 | 23 4 | 1 6 | 22 21 | 1 9 | 23 28 | 0 38 | 12 53 | 0 31 | 14 30 | 1 10 | 19 43 | 0 30 | 21 43 | 0 2 | 12 13 | 0 50 | 6 35 | 17 2 | 19 38 | 19 19 | 24 1 | 14 5 | 7 3 |
| F 17 | 20 51 | 19 7 | 0n 9 | 22 43 | 1 15 | 23 38 | 0 41 | 13 7 | 0 31 | 14 27 | 1 10 | 19 44 | 0 30 | 21 43 | 0 2 | 12 13 | 0 50 | 6 35 | 17 2 | 19 38 | 19 20 | 24 2 | 14 4 | 7 3 |
| S 18 | 21 2 | 14 15 | 1 21 | 23 4 | 1 20 | 23 47 | 0 43 | 13 21 | 0 30 | 14 25 | 1 10 | 19 44 | 0 30 | 21 42 | 0 2 | 12 12 | 0 50 | 6 35 | 17 2 | 19 38 | 19 20 | 24 3 | 14 4 | 7 4 |
| S 19 | 21 14 | 8 54 | 2 26 | 23 24 | 1 25 | 23 55 | 0 45 | 13 35 | 0 30 | 14 22 | 1 10 | 19 44 | 0 31 | 21 42 | 0 2 | 12 12 | 0 50 | 6 35 | 17 1 | 19 38 | 19 21 | 24 5 | 14 4 | 7 5 |
| M20 | 21 24 | 3 20 | 3 21 | 23 43 | 1 30 | 24 2 | 0 47 | 13 49 | 0 29 | 14 19 | 1 10 | 19 45 | 0 31 | 21 42 | 0 2 | 12 12 | 0 50 | 6 35 | 17 1 | 19 38 | 19 22 | 24 6 | 14 3 | 7 5 |
| T 21 | 21 35 | 2n14 | 4 6 | 24 0 | 1 35 | 24 9 | 0 50 | 14 2 | 0 29 | 14 17 | 1 10 | 19 45 | 0 31 | 21 41 | 0 2 | 12 12 | 0 50 | 6 35 | 17 1 | 19 39 | 19 23 | 24 7 | 14 3 | 7 6 |
| W22 | 21 45 | 7 36 | 4 39 | 24 16 | 1 40 | 24 15 | 0 52 | 14 16 | 0 28 | 14 14 | 1 9 | 19 46 | 0 31 | 21 41 | 0 2 | 12 12 | 0 50 | 6 35 | 17 1 | 19 40 | 19 23 | 24 9 | 14 3 | 7 6 |
| T 23 | 21 54 | 12 37 | 4 59 | 24 31 | 1 44 | 24 20 | 0 54 | 14 29 | 0 28 | 14 11 | 1 9 | 19 46 | 0 31 | 21 40 | 0 2 | 12 11 | 0 50 | 6 35 | 17 0 | 19 41 | 19 24 | 24 10 | 14 3 | 7 7 |
| F 24 | 22 3 | 17 6 | 5 6 | 24 44 | 1 48 | 24 25 | 0 56 | 14 43 | 0 27 | 14 8 | 1 9 | 19 47 | 0 31 | 21 40 | 0 2 | 12 11 | 0 50 | 6 35 | 17 0 | 19 43 | 19 25 | 24 11 | 14 3 | 7 8 |
| S 25 | 22 12 | 20 55 | 4 59 | 24 57 | 1 52 | 24 28 | 0 58 | 14 56 | 0 27 | 14 5 | 1 9 | 19 48 | 0 32 | 21 40 | 0 2 | 12 11 | 0 50 | 6 35 | 17 0 | 19 46 | 19 26 | 24 12 | 14 3 | 7 8 |
| S 26 | 22 20 | 23 52 | 4 39 | 25 7 | 1 56 | 24 31 | 1 0 | 15 9 | 0 26 | 14 2 | 1 9 | 19 48 | 0 32 | 21 39 | 0 2 | 12 10 | 0 50 | 6 35 | 16 59 | 19 48 | 19 26 | 24 14 | 14 2 | 7 9 |
| M27 | 22 28 | 25 47 | 4 8 | 25 17 | 1 59 | 24 34 | 1 2 | 15 22 | 0 26 | 13 59 | 1 9 | 19 49 | 0 32 | 21 39 | 0 2 | 12 10 | 0 50 | 6 35 | 16 59 | 19 50 | 19 27 | 24 15 | 14 2 | 7 9 |
| T 28 | 22 35 | 26 32 | 3 25 | 25 25 | 2 2 | 24 35 | 1 4 | 15 35 | 0 25 | 13 56 | 1 9 | 19 50 | 0 32 | 21 38 | 0 2 | 12 10 | 0 50 | 6 35 | 16 59 | 19 52 | 19 28 | 24 16 | 14 2 | 7 10 |
| W29 | 22 42 | 26 3 | 2 33 | 25 31 | 2 5 | 24 36 | 1 6 | 15 48 | 0 24 | 13 53 | 1 8 | 19 50 | 0 32 | 21 38 | 0 2 | 12 10 | 0 50 | 6 35 | 16 59 | 19 53 | 19 29 | 24 17 | 14 2 | 7 10 |
| T 30 | 22s49 | 24n21 | 1n33 | 25s36 | 2s 7 | 24s36 | 1s 8 | 16s 0 | 0n24 | 13s50 | 1s 8 | 19n51 | 0n32 | 21n37 | 0s 2 | 12s 9 | 0s50 | 6s35 | 16s58 | 19s54 | 19s29 | 24n18 | 14n 2 | 7s11 |

Julian Day Number = 2217006.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'27, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°46'59, Lahiri = 14°54'00 Julian Calendar 1 Nov. 1357 == Greg. Calendar 9 Nov. 1357


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# ASTRODIENST EPHEMERIS for the year 1357
# geocentric

## DECEMBER 1357 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 11 12 | 17♐18'37 | 26♋ 4 | 28♐37 | 5♑13 | 15♏40 | 26♒34 | 3°R57 | 7°R37 | 0♓25 | 23°R36 | 1°D26 | 3♒14 | 27♉57 | 25°R32 | F 1 |
| S 2 | 5 15 8 | 18°19'44 | 8♌24 | 0♑12 | 6°28 | 16°21 | 26°43 | 3♌54 | 7♊34 | 0°26 | 23♈36 | 1♒26 | 3°11 | 28° 4 | 25♋29 | S 2 |
| S 3 | 5 19 5 | 19°20'51 | 20°57 | 1°46 | 7°44 | 17° 2 | 26°52 | 3°51 | 7°32 | 0°27 | 23°35 | 1°27 | 3° 8 | 28°10 | 25°26 | S 3 |
| M 4 | 5 23 1 | 20°21'59 | 3♍46 | 3°20 | 8°59 | 17°44 | 27° 2 | 3°48 | 7°29 | 0°28 | 23°35 | 1°29 | 3° 5 | 28°17 | 25°23 | M 4 |
| T 5 | 5 26 58 | 21°23'08 | 16°55 | 4°54 | 10°14 | 18°25 | 27°11 | 3°46 | 7°27 | 0°29 | 23°34 | 1°R30 | 3° 2 | 28°24 | 25°20 | T 5 |
| W 6 | 5 30 55 | 22°24'18 | 0♎27 | 6°27 | 11°29 | 19° 6 | 27°21 | 3°43 | 7°24 | 0°30 | 23°33 | 1°30 | 2°59 | 28°31 | 25°17 | W 6 |
| T 7 | 5 34 51 | 23°25'28 | 14°23 | 8° 0 | 12°44 | 19°47 | 27°31 | 3°39 | 7°22 | 0°31 | 23°33 | 1°28 | 2°55 | 28°37 | 25°13 | T 7 |
| F 8 | 5 38 48 | 24°26'39 | 28°45 | 9°33 | 13°59 | 20°29 | 27°41 | 3°36 | 7°19 | 0°32 | 23°32 | 1°24 | 2°52 | 28°44 | 25°10 | F 8 |
| S 9 | 5 42 44 | 25°27'50 | 13♏29 | 11° 5 | 15°14 | 21°10 | 27°51 | 3°33 | 7°17 | 0°33 | 23°32 | 1°19 | 2°49 | 28°51 | 25° 6 | S 9 |
| S 10 | 5 46 41 | 26°29'02 | 28°29 | 12°36 | 16°29 | 21°52 | 28° 1 | 3°30 | 7°15 | 0°35 | 23°32 | 1°14 | 2°46 | 28°57 | 25° 3 | S 10 |
| M11 | 5 50 37 | 27°30'15 | 13♐37 | 14° 6 | 17°44 | 22°33 | 28°12 | 3°26 | 7°12 | 0°36 | 23°31 | 1° 9 | 2°43 | 29° 4 | 24°59 | M11 |
| T 12 | 5 54 34 | 28°31'27 | 28°44 | 15°34 | 18°59 | 23°14 | 28°22 | 3°23 | 7°10 | 0°37 | 23°31 | 1° 5 | 2°40 | 29°11 | 24°56 | T 12 |
| W13 | 5 58 30 | 29°32'40 | 13♑39 | 17° 2 | 20°14 | 23°56 | 28°33 | 3°19 | 7° 8 | 0°38 | 23°30 | 1° 2 | 2°36 | 29°18 | 24°52 | W13 |
| T 14 | 6 2 27 | 0♑33'53 | 28°15 | 18°27 | 21°29 | 24°38 | 28°43 | 3°15 | 7° 5 | 0°40 | 23°30 | 1°D 1 | 2°33 | 29°24 | 24°48 | T 14 |
| F 15 | 6 6 24 | 1°35'06 | 12♒26 | 19°50 | 22°44 | 25°19 | 28°54 | 3°12 | 7° 3 | 0°41 | 23°30 | 1° 1 | 2°30 | 29°31 | 24°44 | F 15 |
| S 16 | 6 10 20 | 2°36'18 | 26° 9 | 21°10 | 23°59 | 26° 1 | 29° 5 | 3° 8 | 7° 1 | 0°42 | 23°29 | 1° 3 | 2°27 | 29°38 | 24°40 | S 16 |
| S 17 | 6 14 17 | 3°37'30 | 9♓26 | 22°27 | 25°14 | 26°42 | 29°16 | 3° 4 | 6°58 | 0°44 | 23°29 | 1° 4 | 2°24 | 29°44 | 24°36 | S 17 |
| M18 | 6 18 13 | 4°38'42 | 22°17 | 23°41 | 26°29 | 27°24 | 29°27 | 3° 0 | 6°56 | 0°45 | 23°29 | 1° 6 | 2°20 | 29°51 | 24°32 | M18 |
| T 19 | 6 22 10 | 5°39'53 | 4♈48 | 24°50 | 27°44 | 28° 6 | 29°39 | 2°56 | 6°54 | 0°47 | 23°29 | 1°R 6 | 2°17 | 29°58 | 24°28 | T 19 |
| W20 | 6 26 6 | 6°41'04 | 17° 2 | 25°54 | 28°58 | 28°47 | 29°50 | 2°52 | 6°52 | 0°48 | 23°28 | 1° 6 | 2°14 | 0♊ 5 | 24°24 | W20 |
| T 21 | 6 30 3 | 7°42'15 | 29° 4 | 26°52 | 0♒13 | 29°29 | 0♓ 1 | 2°48 | 6°50 | 0°50 | 23°28 | 1° 4 | 2°11 | 0°11 | 24°20 | T 21 |
| F 22 | 6 33 59 | 8°43'25 | 10♉59 | 27°44 | 1°28 | 0♐11 | 0°13 | 2°43 | 6°48 | 0°51 | 23°28 | 1° 1 | 2° 8 | 0°18 | 24°16 | F 22 |
| S 23 | 6 37 56 | 9°44'35 | 22°50 | 28°28 | 2°43 | 0°53 | 0°25 | 2°39 | 6°46 | 0°53 | 23°28 | 0°58 | 2° 5 | 0°25 | 24°12 | S 23 |
| S 24 | 6 41 53 | 10°45'44 | 4♊41 | 29° 3 | 3°58 | 1°34 | 0°36 | 2°35 | 6°44 | 0°55 | 23°28 | 0°54 | 2° 1 | 0°31 | 24° 8 | S 24 |
| M25 | 6 45 49 | 11°46'53 | 16°35 | 29°30 | 5°13 | 2°16 | 0°48 | 2°30 | 6°42 | 0°56 | 23°27 | 0°51 | 1°58 | 0°38 | 24° 3 | M25 |
| T 26 | 6 49 46 | 12°48'01 | 28°35 | 29°46 | 6°27 | 2°58 | 1° 0 | 2°26 | 6°40 | 0°58 | 23°27 | 0°48 | 1°55 | 0°45 | 23°59 | T 26 |
| W27 | 6 53 42 | 13°49'09 | 10♋41 | 29°R51 | 7°42 | 3°40 | 1°12 | 2°21 | 6°38 | 0°59 | 23°27 | 0°46 | 1°52 | 0°51 | 23°55 | W27 |
| T 28 | 6 57 39 | 14°50'16 | 22°57 | 29°44 | 8°57 | 4°22 | 1°24 | 2°17 | 6°36 | 1° 1 | 23°27 | 0°45 | 1°49 | 0°58 | 23°51 | T 28 |
| F 29 | 7 1 35 | 15°51'23 | 5♌22 | 29°26 | 10°11 | 5° 4 | 1°36 | 2°12 | 6°34 | 1° 3 | 23°27 | 0°D45 | 1°46 | 1° 5 | 23°46 | F 29 |
| S 30 | 7 5 32 | 16°52'30 | 17°59 | 28°57 | 11°26 | 5°46 | 1°48 | 2° 8 | 6°33 | 1° 5 | 23°D27 | 0°46 | 1°42 | 1°12 | 23°42 | S 30 |
| S 31 | 7 9 29 | 17♑53'36 | 0♍48 | 28♑16 | 12♒41 | 6♐28 | 2♓ 1 | 2♌ 3 | 6♊31 | 1♓ 6 | 23♈27 | 0♒47 | 1♒39 | 1♊18 | 23♋37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s55 | 21n29 | 0n29 | 25s40 | 2s 9 | 24s35 | 1s10 | 16s13 | 0n23 | 13s46 | 1s 8 | 19n52 | 0n32 | 21n37 | 0s 2 | 12s 9 | 0s50 | 6s35 | 16s58 | 19s55 | 19s30 | 24n20 | 14n 2 | 7s11 |
| S 2 | 23 1 | 17 37 | 0s38 | 25 42 | 2 11 | 24 33 | 1 12 | 16 25 | 0 23 | 13 43 | 1 8 | 19 52 | 0 33 | 21 37 | 0 2 | 12 9 | 0 50 | 6 35 | 16 58 | 19 55 | 19 31 | 24 21 | 14 2 | 7 12 |
| S 3 | 23 6 | 12 55 | 1 44 | 25 43 | 2 12 | 24 31 | 1 13 | 16 38 | 0 22 | 13 40 | 1 8 | 19 53 | 0 33 | 21 36 | 0 2 | 12 8 | 0 50 | 6 35 | 16 57 | 19 54 | 19 32 | 24 22 | 14 2 | 7 12 |
| M 4 | 23 10 | 7 35 | 2 46 | 25 41 | 2 13 | 24 28 | 1 15 | 16 50 | 0 22 | 13 36 | 1 8 | 19 54 | 0 33 | 21 36 | 0 2 | 12 8 | 0 50 | 6 35 | 16 57 | 19 54 | 19 32 | 24 23 | 14 2 | 7 13 |
| T 5 | 23 15 | 1 47 | 3 42 | 25 39 | 2 13 | 24 24 | 1 17 | 17 2 | 0 21 | 13 33 | 1 8 | 19 55 | 0 33 | 21 36 | 0 2 | 12 7 | 0 50 | 6 35 | 16 57 | 19 54 | 19 33 | 24 24 | 14 2 | 7 13 |
| W 6 | 23 18 | 4s15 | 4 27 | 25 34 | 2 13 | 24 20 | 1 18 | 17 14 | 0 20 | 13 29 | 1 7 | 19 56 | 0 33 | 21 35 | 0 2 | 12 7 | 0 50 | 6 35 | 16 56 | 19 54 | 19 34 | 24 25 | 14 3 | 7 14 |
| T 7 | 23 22 | 10 15 | 4 57 | 25 29 | 2 12 | 24 14 | 1 20 | 17 26 | 0 20 | 13 26 | 1 7 | 19 57 | 0 33 | 21 35 | 0 2 | 12 7 | 0 50 | 6 35 | 16 56 | 19 54 | 19 34 | 24 27 | 14 3 | 7 14 |
| F 8 | 23 24 | 15 54 | 5 11 | 25 21 | 2 11 | 24 8 | 1 21 | 17 37 | 0 19 | 13 22 | 1 7 | 19 57 | 0 33 | 21 34 | 0 2 | 12 6 | 0 50 | 6 34 | 16 56 | 19 55 | 19 35 | 24 28 | 14 3 | 7 15 |
| S 9 | 23 27 | 20 46 | 5 4 | 25 12 | 2 9 | 24 1 | 1 23 | 17 49 | 0 19 | 13 19 | 1 7 | 19 58 | 0 34 | 21 34 | 0 2 | 12 6 | 0 50 | 6 34 | 16 55 | 19 56 | 19 36 | 24 29 | 14 3 | 7 15 |
| S 10 | 23 29 | 24 23 | 4 37 | 25 1 | 2 6 | 23 54 | 1 24 | 18 0 | 0 18 | 13 15 | 1 7 | 19 59 | 0 34 | 21 34 | 0 2 | 12 5 | 0 50 | 6 34 | 16 55 | 19 57 | 19 37 | 24 30 | 14 3 | 7 16 |
| M11 | 23 30 | 26 19 | 3 50 | 24 49 | 2 3 | 23 45 | 1 25 | 18 12 | 0 17 | 13 11 | 1 7 | 20 0 | 0 34 | 21 33 | 0 2 | 12 5 | 0 50 | 6 34 | 16 55 | 19 58 | 19 37 | 24 31 | 14 4 | 7 16 |
| T 12 | 23 31 | 26 18 | 2 47 | 24 35 | 1 59 | 23 36 | 1 27 | 18 23 | 0 17 | 13 7 | 1 7 | 20 1 | 0 34 | 21 33 | 0 2 | 12 4 | 0 50 | 6 34 | 16 54 | 19 59 | 19 38 | 24 32 | 14 4 | 7 16 |
| W13 | 23 31 | 24 22 | 1 34 | 24 20 | 1 55 | 23 27 | 1 28 | 18 34 | 0 16 | 13 4 | 1 7 | 20 2 | 0 34 | 21 32 | 0 2 | 12 4 | 0 50 | 6 34 | 16 54 | 20 0 | 19 39 | 24 33 | 14 4 | 7 17 |
| T 14 | 23 31 | 20 50 | 0 15 | 24 3 | 1 50 | 23 16 | 1 29 | 18 44 | 0 16 | 13 0 | 1 6 | 20 3 | 0 34 | 21 32 | 0 2 | 12 3 | 0 50 | 6 33 | 16 54 | 20 0 | 19 40 | 24 35 | 14 4 | 7 17 |
| F 15 | 23 31 | 16 8 | 1n 2 | 23 45 | 1 43 | 23 5 | 1 30 | 18 55 | 0 15 | 12 56 | 1 6 | 20 4 | 0 34 | 21 32 | 0 2 | 12 3 | 0 50 | 6 33 | 16 53 | 20 0 | 19 40 | 24 36 | 14 5 | 7 17 |
| S 16 | 23 30 | 10 45 | 2 14 | 23 26 | 1 36 | 22 53 | 1 31 | 19 6 | 0 14 | 12 52 | 1 6 | 20 5 | 0 35 | 21 31 | 0 2 | 12 2 | 0 50 | 6 33 | 16 53 | 20 0 | 19 41 | 24 37 | 14 5 | 7 18 |
| S 17 | 23 28 | 5 3 | 3 15 | 23 6 | 1 28 | 22 40 | 1 32 | 19 16 | 0 14 | 12 48 | 1 6 | 20 6 | 0 35 | 21 31 | 0 2 | 12 2 | 0 50 | 6 33 | 16 53 | 19 59 | 19 42 | 24 38 | 14 5 | 7 18 |
| M18 | 23 27 | 0n41 | 4 5 | 22 44 | 1 19 | 22 27 | 1 33 | 19 26 | 0 13 | 12 44 | 1 6 | 20 7 | 0 35 | 21 31 | 0 2 | 12 1 | 0 50 | 6 33 | 16 52 | 19 59 | 19 42 | 24 39 | 14 6 | 7 18 |
| T 19 | 23 24 | 6 13 | 4 42 | 22 22 | 1 9 | 22 13 | 1 34 | 19 36 | 0 12 | 12 40 | 1 6 | 20 8 | 0 35 | 21 30 | 0 2 | 12 1 | 0 50 | 6 32 | 16 52 | 19 59 | 19 43 | 24 40 | 14 6 | 7 19 |
| W20 | 23 21 | 11 24 | 5 5 | 22 0 | 0 58 | 21 59 | 1 35 | 19 46 | 0 12 | 12 36 | 1 6 | 20 9 | 0 35 | 21 30 | 0 2 | 12 0 | 0 50 | 6 32 | 16 52 | 19 59 | 19 44 | 24 41 | 14 6 | 7 19 |
| T 21 | 23 18 | 16 4 | 5 14 | 21 37 | 0 46 | 21 44 | 1 35 | 19 56 | 0 11 | 12 32 | 1 6 | 20 11 | 0 35 | 21 30 | 0 2 | 12 0 | 0 50 | 6 32 | 16 51 | 19 59 | 19 45 | 24 42 | 14 7 | 7 19 |
| F 22 | 23 14 | 20 4 | 5 10 | 21 14 | 0 33 | 21 28 | 1 36 | 20 5 | 0 10 | 12 28 | 1 6 | 20 12 | 0 35 | 21 29 | 0 2 | 11 59 | 0 50 | 6 32 | 16 51 | 20 0 | 19 45 | 24 43 | 14 7 | 7 19 |
| S 23 | 23 10 | 23 15 | 4 52 | 20 51 | 0 19 | 21 11 | 1 37 | 20 15 | 0 10 | 12 23 | 1 6 | 20 13 | 0 36 | 21 29 | 0 2 | 11 59 | 0 50 | 6 31 | 16 51 | 20 1 | 19 46 | 24 44 | 14 8 | 7 20 |
| S 24 | 23 5 | 25 26 | 4 22 | 20 28 | 0 3 | 20 54 | 1 37 | 20 24 | 0 9 | 12 19 | 1 5 | 20 14 | 0 36 | 21 29 | 0 2 | 11 58 | 0 50 | 6 31 | 16 50 | 20 2 | 19 47 | 24 45 | 14 8 | 7 20 |
| M25 | 23 0 | 26 30 | 3 40 | 20 7 | 0n13 | 20 36 | 1 37 | 20 33 | 0 8 | 12 15 | 1 5 | 20 15 | 0 36 | 21 28 | 0 2 | 11 57 | 0 50 | 6 31 | 16 50 | 20 2 | 19 47 | 24 46 | 14 9 | 7 20 |
| T 26 | 22 54 | 26 19 | 2 48 | 19 47 | 0 30 | 20 18 | 1 38 | 20 42 | 0 8 | 12 10 | 1 5 | 20 16 | 0 36 | 21 28 | 0 2 | 11 57 | 0 50 | 6 30 | 16 50 | 20 3 | 19 48 | 24 47 | 14 9 | 7 20 |
| W27 | 22 48 | 24 54 | 1 49 | 19 28 | 0 48 | 19 59 | 1 38 | 20 51 | 0 7 | 12 6 | 1 5 | 20 17 | 0 36 | 21 28 | 0 2 | 11 56 | 0 50 | 6 30 | 16 49 | 20 3 | 19 49 | 24 48 | 14 10 | 7 21 |
| T 28 | 22 42 | 22 16 | 0 43 | 19 11 | 1 7 | 19 40 | 1 38 | 20 59 | 0 6 | 12 2 | 1 5 | 20 19 | 0 36 | 21 27 | 0 2 | 11 56 | 0 50 | 6 30 | 16 49 | 20 4 | 19 50 | 24 49 | 14 10 | 7 21 |
| F 29 | 22 35 | 18 35 | 0s26 | 18 57 | 1 26 | 19 20 | 1 38 | 21 7 | 0 6 | 11 57 | 1 5 | 20 20 | 0 36 | 21 27 | 0 2 | 11 55 | 0 50 | 6 30 | 16 48 | 20 4 | 19 50 | 24 50 | 14 11 | 7 21 |
| S 30 | 22 27 | 14 0 | 1 34 | 18 44 | 1 45 | 18 59 | 1 38 | 21 16 | 0 5 | 11 53 | 1 5 | 20 21 | 0 36 | 21 27 | 0 2 | 11 54 | 0 50 | 6 29 | 16 48 | 20 3 | 19 51 | 24 51 | 14 12 | 7 21 |
| S 31 | 22s19 | 8n45 | 2s39 | 18s35 | 2n 3 | 18s38 | 1s38 | 21s24 | 0n 4 | 11s48 | 1s 5 | 20n22 | 0n37 | 21n26 | 0s 2 | 11s54 | 0s50 | 6s29 | 16s48 | 20s 3 | 19s52 | 24n52 | 14n12 | 7s21 |

Julian Day Number = 2217036.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'03, Lahiri = 14°54'04 Julian Calendar 1 Dec. 1357 == Greg. Calendar 9 Dec. 1357


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## JANUARY 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 13 25 | 18♉54'41 | 13♍51 | 27°R24 | 13♒55 | 7♐10 | 2♓13 | 1°R58 | 6°R29 | 1♓ 8 | 23♈27 | 0♒48 | 1♒36 | 1♊25 | 23°R33 | M 1 |
| T 2 | 7 17 22 | 19°55'46 | 27° 9 | 26♉24 | 15°10 | 7°52 | 2°26 | 1♌54 | 6♊27 | 1°10 | 23°27 | 0°49 | 1°33 | 1°32 | 23♋29 | T 2 |
| W 3 | 7 21 18 | 20°56'51 | 10♎43 | 25°16 | 16°24 | 8°34 | 2°38 | 1°49 | 6°26 | 1°12 | 23°27 | 0°50 | 1°30 | 1°38 | 23°24 | W 3 |
| T 4 | 7 25 15 | 21°57'55 | 24°34 | 24° 2 | 17°39 | 9°16 | 2°51 | 1°44 | 6°24 | 1°14 | 23°28 | 0°R50 | 1°26 | 1°45 | 23°20 | T 4 |
| F 5 | 7 29 11 | 22°58'59 | 8♏41 | 22°46 | 18°53 | 9°59 | 3° 4 | 1°39 | 6°23 | 1°16 | 23°28 | 0°49 | 1°23 | 1°52 | 23°15 | F 5 |
| S 6 | 7 33 8 | 24° 0'03 | 23° 4 | 21°29 | 20° 8 | 10°41 | 3°16 | 1°34 | 6°21 | 1°17 | 23°28 | 0°49 | 1°20 | 1°59 | 23°11 | S 6 |
| S 7 | 7 37 4 | 25° 1'06 | 7♐38 | 20°14 | 21°22 | 11°23 | 3°29 | 1°29 | 6°20 | 1°19 | 23°28 | 0°48 | 1°17 | 2° 5 | 23° 6 | S 7 |
| M 8 | 7 41 1 | 26° 2'09 | 22°20 | 19° 2 | 22°37 | 12° 5 | 3°42 | 1°25 | 6°18 | 1°21 | 23°28 | 0°48 | 1°14 | 2°12 | 23° 2 | M 8 |
| T 9 | 7 44 58 | 27° 3'11 | 7♑ 3 | 17°56 | 23°51 | 12°48 | 3°55 | 1°20 | 6°17 | 1°23 | 23°28 | 0°47 | 1°11 | 2°19 | 22°58 | T 9 |
| W10 | 7 48 54 | 28° 4'12 | 21°40 | 16°56 | 25° 6 | 13°30 | 4° 8 | 1°15 | 6°16 | 1°25 | 23°29 | 0°47 | 1° 7 | 2°25 | 22°53 | W10 |
| T 11 | 7 52 51 | 29° 5'12 | 6♒ 4 | 16° 5 | 26°20 | 14°12 | 4°21 | 1°10 | 6°14 | 1°27 | 23°29 | 0°D47 | 1° 4 | 2°32 | 22°49 | T 11 |
| F 12 | 7 56 47 | 0♒ 6'11 | 20°10 | 15°22 | 27°34 | 14°55 | 4°35 | 1° 5 | 6°13 | 1°29 | 23°29 | 0°47 | 1° 1 | 2°39 | 22°44 | F 12 |
| S 13 | 8 0 44 | 1° 7'09 | 3♓54 | 14°47 | 28°48 | 15°37 | 4°48 | 1° 0 | 6°12 | 1°31 | 23°29 | 0°R47 | 0°58 | 2°45 | 22°40 | S 13 |
| S 14 | 8 4 40 | 2° 8'05 | 17°15 | 14°21 | 0♓ 3 | 16°20 | 5° 1 | 0°55 | 6°11 | 1°33 | 23°30 | 0°47 | 0°55 | 2°52 | 22°36 | S 14 |
| M15 | 8 8 37 | 3° 9'01 | 0♈13 | 14° 4 | 1°17 | 17° 2 | 5°15 | 0°50 | 6°10 | 1°35 | 23°30 | 0°47 | 0°52 | 2°59 | 22°31 | M15 |
| T 16 | 8 12 33 | 4° 9'55 | 12°49 | 13°55 | 2°31 | 17°44 | 5°28 | 0°45 | 6° 9 | 1°37 | 23°30 | 0°46 | 0°48 | 3° 6 | 22°27 | T 16 |
| W17 | 8 16 30 | 5°10'47 | 25° 8 | 13°D54 | 3°45 | 18°27 | 5°41 | 0°40 | 6° 8 | 1°39 | 23°31 | 0°46 | 0°45 | 3°12 | 22°23 | W17 |
| T 18 | 8 20 27 | 6°11'38 | 7♉12 | 14° 0 | 4°59 | 19°10 | 5°55 | 0°35 | 6° 7 | 1°41 | 23°31 | 0°D46 | 0°42 | 3°19 | 22°18 | T 18 |
| F 19 | 8 24 23 | 7°12'28 | 19° 8 | 14°14 | 6°13 | 19°52 | 6° 9 | 0°31 | 6° 6 | 1°44 | 23°32 | 0°46 | 0°39 | 3°26 | 22°14 | F 19 |
| S 20 | 8 28 20 | 8°13'16 | 0♊59 | 14°33 | 7°27 | 20°35 | 6°22 | 0°26 | 6° 5 | 1°46 | 23°32 | 0°47 | 0°36 | 3°32 | 22°10 | S 20 |
| S 21 | 8 32 16 | 9°14'03 | 12°50 | 14°59 | 8°41 | 21°17 | 6°36 | 0°21 | 6° 4 | 1°48 | 23°33 | 0°47 | 0°32 | 3°39 | 22° 6 | S 21 |
| M22 | 8 36 13 | 10°14'48 | 24°46 | 15°30 | 9°55 | 22° 0 | 6°50 | 0°16 | 6° 4 | 1°50 | 23°33 | 0°48 | 0°29 | 3°46 | 22° 1 | M22 |
| T 23 | 8 40 9 | 11°15'32 | 6♋50 | 16° 5 | 11° 9 | 22°43 | 7° 3 | 0°11 | 6° 3 | 1°52 | 23°34 | 0°49 | 0°26 | 3°52 | 21°57 | T 23 |
| W24 | 8 44 6 | 12°16'14 | 19° 6 | 16°46 | 12°23 | 23°25 | 7°17 | 0° 6 | 6° 2 | 1°54 | 23°34 | 0°50 | 0°23 | 3°59 | 21°53 | W24 |
| T 25 | 8 48 2 | 13°16'55 | 1♌34 | 17°30 | 13°36 | 24° 8 | 7°31 | 0° 2 | 6° 2 | 1°56 | 23°35 | 0°R50 | 0°20 | 4° 6 | 21°49 | T 25 |
| F 26 | 8 51 59 | 14°17'34 | 14°18 | 18°19 | 14°50 | 24°51 | 7°45 | 29♋57 | 6° 1 | 1°59 | 23°35 | 0°50 | 0°17 | 4°13 | 21°45 | F 26 |
| S 27 | 8 55 56 | 15°18'11 | 27°16 | 19°11 | 16° 4 | 25°34 | 7°59 | 29°52 | 6° 1 | 2° 1 | 23°36 | 0°49 | 0°13 | 4°19 | 21°41 | S 27 |
| S 28 | 8 59 52 | 16°18'47 | 10♍29 | 20° 6 | 17°17 | 26°16 | 8°13 | 29°48 | 6° 0 | 2° 3 | 23°37 | 0°47 | 0°10 | 4°26 | 21°38 | S 28 |
| M29 | 9 3 49 | 17°19'22 | 23°57 | 21° 4 | 18°31 | 26°59 | 8°27 | 29°43 | 6° 0 | 2° 5 | 23°37 | 0°45 | 0° 7 | 4°33 | 21°34 | M29 |
| T 30 | 9 7 45 | 18°19'56 | 7♎36 | 22° 5 | 19°44 | 27°42 | 8°41 | 29°39 | 6° 0 | 2° 7 | 23°38 | 0°42 | 0° 4 | 4°39 | 21°30 | T 30 |
| W31 | 9 11 42 | 19♒20'28 | 21♎26 | 23♑ 8 | 20♓58 | 28♐25 | 8♓55 | 29♋34 | 5♊59 | 2♓10 | 23♈38 | 0♒40 | 0♒ 1 | 4♊46 | 21♋26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s11 | 3n 3 | 3s37 | 18s27 | 2n21 | 18s17 | 1s38 | 21s31 | 0n 4 | 11s44 | 1s 5 | 20n23 | 0n37 | 21n26 | 0s 2 | 11s53 | 0s50 | 6s28 | 16s47 | 20s 3 | 19s52 | 24n53 | 14n13 | 7s21 |
| T 2 | 22 2 | 2s54 | 4 24 | 18 23 | 2 37 | 17 55 | 1 38 | 21 39 | 0 3 | 11 39 | 1 5 | 20 24 | 0 37 | 21 26 | 0 2 | 11 52 | 0 50 | 6 28 | 16 47 | 20 3 | 19 53 | 24 54 | 14 13 | 7 21 |
| W 3 | 21 53 | 8 49 | 4 58 | 18 20 | 2 52 | 17 32 | 1 38 | 21 46 | 0 2 | 11 34 | 1 5 | 20 26 | 0 37 | 21 26 | 0 2 | 11 52 | 0 50 | 6 28 | 16 47 | 20 3 | 19 54 | 24 55 | 14 14 | 7 21 |
| T 4 | 21 44 | 14 26 | 5 15 | 18 20 | 3 5 | 17 9 | 1 38 | 21 54 | 0 1 | 11 30 | 1 4 | 20 27 | 0 37 | 21 25 | 0 2 | 11 51 | 0 50 | 6 27 | 16 46 | 20 3 | 19 55 | 24 56 | 14 15 | 7 21 |
| F 5 | 21 34 | 19 24 | 5 14 | 18 23 | 3 16 | 16 45 | 1 37 | 22 1 | 0 1 | 11 25 | 1 4 | 20 28 | 0 37 | 21 25 | 0 2 | 11 50 | 0 50 | 6 27 | 16 46 | 20 3 | 19 55 | 24 57 | 14 15 | 7 21 |
| S 6 | 21 23 | 23 20 | 4 54 | 18 26 | 3 24 | 16 21 | 1 37 | 22 8 | 0 0 | 11 20 | 1 4 | 20 29 | 0 37 | 21 25 | 0 2 | 11 50 | 0 50 | 6 27 | 16 46 | 20 3 | 19 56 | 24 58 | 14 16 | 7 21 |
| S 7 | 21 12 | 25 50 | 4 14 | 18 32 | 3 30 | 15 57 | 1 36 | 22 14 | 0s 1 | 11 16 | 1 4 | 20 30 | 0 37 | 21 25 | 0 2 | 11 49 | 0 50 | 6 26 | 16 45 | 20 3 | 19 57 | 24 59 | 14 17 | 7 22 |
| M 8 | 21 1 | 26 35 | 3 18 | 18 39 | 3 33 | 15 32 | 1 36 | 22 21 | 0 1 | 11 11 | 1 4 | 20 32 | 0 38 | 21 24 | 0 2 | 11 48 | 0 50 | 6 26 | 16 45 | 20 3 | 19 57 | 25 0 | 14 17 | 7 22 |
| T 9 | 20 49 | 25 28 | 2 8 | 18 47 | 3 34 | 15 7 | 1 35 | 22 27 | 0 2 | 11 6 | 1 4 | 20 33 | 0 38 | 21 24 | 0 2 | 11 48 | 0 50 | 6 25 | 16 44 | 20 3 | 19 58 | 25 1 | 14 18 | 7 21 |
| W10 | 20 37 | 22 36 | 0 50 | 18 55 | 3 33 | 14 41 | 1 34 | 22 33 | 0 3 | 11 1 | 1 4 | 20 34 | 0 38 | 21 24 | 0 2 | 11 47 | 0 50 | 6 25 | 16 44 | 20 3 | 19 59 | 25 2 | 14 19 | 7 21 |
| T 11 | 20 25 | 18 21 | 0n29 | 19 5 | 3 30 | 14 15 | 1 33 | 22 39 | 0 4 | 10 56 | 1 4 | 20 35 | 0 38 | 21 24 | 0 2 | 11 46 | 0 50 | 6 25 | 16 44 | 20 3 | 19 59 | 25 3 | 14 20 | 7 21 |
| F 12 | 20 12 | 13 9 | 1 46 | 19 15 | 3 25 | 13 48 | 1 33 | 22 44 | 0 4 | 10 51 | 1 4 | 20 36 | 0 38 | 21 24 | 0 2 | 11 45 | 0 50 | 6 24 | 16 43 | 20 3 | 20 0 | 25 4 | 14 20 | 7 21 |
| S 13 | 19 59 | 7 25 | 2 54 | 19 25 | 3 18 | 13 22 | 1 32 | 22 50 | 0 5 | 10 47 | 1 4 | 20 38 | 0 38 | 21 23 | 0 2 | 11 45 | 0 50 | 6 24 | 16 43 | 20 3 | 20 1 | 25 4 | 14 21 | 7 21 |
| S 14 | 19 45 | 1 31 | 3 50 | 19 36 | 3 10 | 12 54 | 1 30 | 22 55 | 0 6 | 10 42 | 1 4 | 20 39 | 0 38 | 21 23 | 0 2 | 11 44 | 0 50 | 6 23 | 16 43 | 20 3 | 20 2 | 25 5 | 14 22 | 7 21 |
| M15 | 19 31 | 4n16 | 4 33 | 19 46 | 3 2 | 12 27 | 1 29 | 23 0 | 0 7 | 10 37 | 1 4 | 20 40 | 0 38 | 21 23 | 0 2 | 11 43 | 0 50 | 6 23 | 16 42 | 20 3 | 20 2 | 25 6 | 14 23 | 7 21 |
| T 16 | 19 17 | 9 42 | 5 2 | 19 57 | 2 52 | 11 59 | 1 28 | 23 5 | 0 8 | 10 32 | 1 4 | 20 41 | 0 38 | 21 23 | 0 2 | 11 43 | 0 50 | 6 22 | 16 42 | 20 3 | 20 3 | 25 7 | 14 24 | 7 21 |
| W17 | 19 2 | 14 39 | 5 16 | 20 7 | 2 42 | 11 31 | 1 27 | 23 9 | 0 8 | 10 27 | 1 4 | 20 42 | 0 38 | 21 23 | 0 2 | 11 42 | 0 50 | 6 22 | 16 42 | 20 3 | 20 4 | 25 8 | 14 24 | 7 21 |
| T 18 | 18 47 | 18 55 | 5 15 | 20 17 | 2 31 | 11 2 | 1 25 | 23 14 | 0 9 | 10 22 | 1 4 | 20 43 | 0 39 | 21 23 | 0 2 | 11 41 | 0 50 | 6 21 | 16 41 | 20 3 | 20 4 | 25 9 | 14 25 | 7 21 |
| F 19 | 18 32 | 22 23 | 5 1 | 20 27 | 2 20 | 10 34 | 1 24 | 23 18 | 0 10 | 10 16 | 1 4 | 20 45 | 0 39 | 21 22 | 0 2 | 11 40 | 0 50 | 6 21 | 16 41 | 20 3 | 20 5 | 25 10 | 14 26 | 7 20 |
| S 20 | 18 16 | 24 54 | 4 34 | 20 36 | 2 9 | 10 5 | 1 23 | 23 22 | 0 11 | 10 11 | 1 4 | 20 46 | 0 39 | 21 22 | 0 2 | 11 40 | 0 50 | 6 20 | 16 41 | 20 3 | 20 6 | 25 11 | 14 27 | 7 20 |
| S 21 | 18 0 | 26 19 | 3 56 | 20 44 | 1 57 | 9 36 | 1 21 | 23 26 | 0 11 | 10 6 | 1 3 | 20 47 | 0 39 | 21 22 | 0 2 | 11 39 | 0 50 | 6 20 | 16 40 | 20 3 | 20 6 | 25 11 | 14 28 | 7 20 |
| M22 | 17 44 | 26 32 | 3 7 | 20 52 | 1 46 | 9 6 | 1 19 | 23 29 | 0 12 | 10 1 | 1 3 | 20 48 | 0 39 | 21 22 | 0 2 | 11 38 | 0 50 | 6 19 | 16 40 | 20 3 | 20 7 | 25 12 | 14 29 | 7 20 |
| T 23 | 17 28 | 25 30 | 2 9 | 20 59 | 1 34 | 8 36 | 1 18 | 23 32 | 0 13 | 9 56 | 1 3 | 20 49 | 0 39 | 21 22 | 0 2 | 11 37 | 0 50 | 6 19 | 16 40 | 20 3 | 20 8 | 25 13 | 14 29 | 7 20 |
| W24 | 17 11 | 23 14 | 1 5 | 21 6 | 1 23 | 8 6 | 1 16 | 23 36 | 0 14 | 9 51 | 1 3 | 20 50 | 0 39 | 21 22 | 0 2 | 11 36 | 0 50 | 6 18 | 16 39 | 20 3 | 20 8 | 25 14 | 14 30 | 7 19 |
| T 25 | 16 54 | 19 49 | 0s 4 | 21 11 | 1 12 | 7 36 | 1 14 | 23 38 | 0 15 | 9 45 | 1 3 | 20 51 | 0 39 | 21 22 | 0 2 | 11 36 | 0 50 | 6 18 | 16 39 | 20 2 | 20 9 | 25 15 | 14 31 | 7 19 |
| F 26 | 16 36 | 15 25 | 1 14 | 21 16 | 1 1 | 7 6 | 1 12 | 23 41 | 0 16 | 9 40 | 1 3 | 20 52 | 0 39 | 21 22 | 0 2 | 11 35 | 0 50 | 6 17 | 16 39 | 20 3 | 20 10 | 25 15 | 14 32 | 7 19 |
| S 27 | 16 18 | 10 15 | 2 21 | 21 19 | 0 50 | 6 36 | 1 10 | 23 43 | 0 16 | 9 35 | 1 3 | 20 53 | 0 39 | 21 22 | 0 2 | 11 34 | 0 50 | 6 17 | 16 38 | 20 3 | 20 10 | 25 16 | 14 33 | 7 19 |
| S 28 | 16 0 | 4 33 | 3 22 | 21 22 | 0 39 | 6 5 | 1 8 | 23 46 | 0 17 | 9 30 | 1 3 | 20 55 | 0 39 | 21 21 | 0 2 | 11 33 | 0 50 | 6 16 | 16 38 | 20 3 | 20 11 | 25 17 | 14 34 | 7 18 |
| M29 | 15 42 | 1s27 | 4 13 | 21 23 | 0 29 | 5 34 | 1 6 | 23 47 | 0 18 | 9 24 | 1 3 | 20 56 | 0 40 | 21 21 | 0 2 | 11 32 | 0 50 | 6 16 | 16 38 | 20 4 | 20 12 | 25 18 | 14 35 | 7 18 |
| T 30 | 15 23 | 7 28 | 4 50 | 21 24 | 0 19 | 5 3 | 1 4 | 23 49 | 0 19 | 9 19 | 1 3 | 20 57 | 0 40 | 21 21 | 0 2 | 11 32 | 0 50 | 6 15 | 16 37 | 20 4 | 20 12 | 25 19 | 14 36 | 7 18 |
| W31 | 15s 4 | 13s11 | 5s11 | 21s23 | 0n 9 | 4s32 | 1s 1 | 23s51 | 0s20 | 9s14 | 1s 3 | 20n58 | 0n40 | 21n21 | 0s 2 | 11s31 | 0s50 | 6s15 | 16s37 | 20s 5 | 20s13 | 25n19 | 14n36 | 7s17 |

Julian Day Number = 2217067.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'08, Lahiri = 14°54'08 Julian Calendar 1 Jan. 1358 == Greg. Calendar 9 Jan. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## FEBRUARY 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 15 38 | 20♒20'59 | 5♏25 | 24♑14 | 22♓11 | 29♐ 8 | 9♓ 9 | 29°R30 | 5°R59 | 2♓12 | 23♈39 | 0°R39 | 29♑58 | 4♊53 | 21°R23 | T 1 |
| F 2 | 9 19 35 | 21°21'28 | 19°30 | 25°22 | 23°24 | 29°51 | 9°23 | 29♋25 | 5♊59 | 2°14 | 23°40 | 0°D38 | 29°54 | 4°59 | 21♋19 | F 2 |
| S 3 | 9 23 31 | 22°21'57 | 3♐41 | 26°32 | 24°37 | 0♑34 | 9°38 | 29°21 | 5°59 | 2°16 | 23°41 | 0♒38 | 29°51 | 5° 6 | 21°15 | S 3 |
| S 4 | 9 27 28 | 23°22'24 | 17°55 | 27°44 | 25°51 | 1°17 | 9°52 | 29°17 | 5°D59 | 2°19 | 23°41 | 0°39 | 29°48 | 5°13 | 21°12 | S 4 |
| M 5 | 9 31 25 | 24°22'49 | 2♑10 | 28°58 | 27° 4 | 2° 0 | 10° 6 | 29°12 | 5°59 | 2°21 | 23°42 | 0°41 | 29°45 | 5°20 | 21° 9 | M 5 |
| T 6 | 9 35 21 | 25°23'14 | 16°23 | 0♒13 | 28°17 | 2°43 | 10°20 | 29° 8 | 5°59 | 2°23 | 23°43 | 0°42 | 29°42 | 5°26 | 21° 5 | T 6 |
| W 7 | 9 39 18 | 26°23'36 | 0♒31 | 1°31 | 29°30 | 3°26 | 10°35 | 29° 4 | 5°59 | 2°26 | 23°44 | 0°R43 | 29°38 | 5°33 | 21° 2 | W 7 |
| T 8 | 9 43 14 | 27°23'57 | 14°31 | 2°49 | 0♈43 | 4° 9 | 10°49 | 29° 0 | 5°59 | 2°28 | 23°45 | 0°42 | 29°35 | 5°40 | 20°59 | T 8 |
| F 9 | 9 47 11 | 28°24'17 | 28°18 | 4° 9 | 1°56 | 4°52 | 11° 3 | 28°56 | 5°59 | 2°30 | 23°45 | 0°40 | 29°32 | 5°46 | 20°56 | F 9 |
| S 10 | 9 51 7 | 29°24'34 | 11♓49 | 5°31 | 3° 8 | 5°35 | 11°18 | 28°52 | 6° 0 | 2°32 | 23°46 | 0°36 | 29°29 | 5°53 | 20°53 | S 10 |
| S 11 | 9 55 4 | 0♓24'50 | 25° 3 | 6°54 | 4°21 | 6°19 | 11°32 | 28°48 | 6° 0 | 2°35 | 23°47 | 0°32 | 29°26 | 6° 0 | 20°50 | S 11 |
| M12 | 9 59 0 | 1°25'03 | 7♈58 | 8°18 | 5°34 | 7° 2 | 11°47 | 28°45 | 6° 0 | 2°37 | 23°48 | 0°27 | 29°23 | 6° 6 | 20°47 | M12 |
| T 13 | 10 2 57 | 2°25'15 | 20°35 | 9°43 | 6°46 | 7°45 | 12° 1 | 28°41 | 6° 1 | 2°39 | 23°49 | 0°21 | 29°19 | 6°13 | 20°44 | T 13 |
| W14 | 10 6 54 | 3°25'25 | 2♉55 | 11°10 | 7°59 | 8°28 | 12°15 | 28°37 | 6° 1 | 2°41 | 23°50 | 0°17 | 29°16 | 6°20 | 20°41 | W14 |
| T 15 | 10 10 50 | 4°25'32 | 15° 2 | 12°38 | 9°11 | 9°12 | 12°30 | 28°34 | 6° 2 | 2°44 | 23°51 | 0°13 | 29°13 | 6°27 | 20°39 | T 15 |
| F 16 | 10 14 47 | 5°25'38 | 26°58 | 14° 7 | 10°24 | 9°55 | 12°44 | 28°30 | 6° 2 | 2°46 | 23°52 | 0°11 | 29°10 | 6°33 | 20°36 | F 16 |
| S 17 | 10 18 43 | 6°25'41 | 8♊50 | 15°37 | 11°36 | 10°38 | 12°59 | 28°27 | 6° 3 | 2°48 | 23°53 | 0°D11 | 29° 7 | 6°40 | 20°33 | S 17 |
| S 18 | 10 22 40 | 7°25'42 | 20°41 | 17° 9 | 12°48 | 11°21 | 13°13 | 28°24 | 6° 4 | 2°51 | 23°54 | 0°12 | 29° 4 | 6°47 | 20°31 | S 18 |
| M19 | 10 26 36 | 8°25'41 | 2♋37 | 18°42 | 14° 0 | 12° 5 | 13°28 | 28°21 | 6° 5 | 2°53 | 23°55 | 0°13 | 29° 0 | 6°53 | 20°29 | M19 |
| T 20 | 10 30 33 | 9°25'38 | 14°43 | 20°16 | 15°12 | 12°48 | 13°42 | 28°17 | 6° 5 | 2°55 | 23°56 | 0°15 | 28°57 | 7° 0 | 20°27 | T 20 |
| W21 | 10 34 29 | 10°25'33 | 27° 3 | 21°51 | 16°24 | 13°31 | 13°57 | 28°14 | 6° 6 | 2°57 | 23°57 | 0°R16 | 28°54 | 7° 7 | 20°24 | W21 |
| T 22 | 10 38 26 | 11°25'25 | 9♌40 | 23°27 | 17°36 | 14°15 | 14°11 | 28°12 | 6° 7 | 3° 0 | 23°58 | 0°16 | 28°51 | 7°13 | 20°22 | T 22 |
| F 23 | 10 42 23 | 12°25'16 | 22°38 | 25° 4 | 18°48 | 14°58 | 14°26 | 28° 9 | 6° 8 | 3° 2 | 23°59 | 0°13 | 28°48 | 7°20 | 20°20 | F 23 |
| S 24 | 10 46 19 | 13°25'04 | 5♍56 | 26°43 | 20° 0 | 15°42 | 14°40 | 28° 6 | 6° 9 | 3° 4 | 24° 0 | 0° 9 | 28°44 | 7°27 | 20°19 | S 24 |
| S 25 | 10 50 16 | 14°24'50 | 19°34 | 28°22 | 21°11 | 16°25 | 14°55 | 28° 3 | 6°10 | 3° 6 | 24° 1 | 0° 3 | 28°41 | 7°33 | 20°17 | S 25 |
| M26 | 10 54 12 | 15°24'34 | 3♎29 | 0♓ 3 | 22°23 | 17° 9 | 15° 9 | 28° 1 | 6°11 | 3° 9 | 24° 2 | 29♑56 | 28°38 | 7°40 | 20°15 | M26 |
| T 27 | 10 58 9 | 16°24'16 | 17°38 | 1°45 | 23°34 | 17°52 | 15°24 | 27°58 | 6°12 | 3°11 | 24° 3 | 29°48 | 28°35 | 7°47 | 20°14 | T 27 |
| W28 | 11 2 5 | 17♓23'57 | 1♏54 | 3♓29 | 24♈45 | 18♑36 | 15♓38 | 27♋56 | 6♊14 | 3♓13 | 24♈ 5 | 29♑41 | 28♑32 | 7♊54 | 20♋12 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s45 | 18s18 | 5s14 | 21s21 | 0s 1 | 4s 1 | 0s59 | 23s52 | 0s21 | 9s 8 | 1s 3 | 20n59 | 0n40 | 21n21 | 0s 2 | 11s30 | 0s50 | 6s14 | 16s37 | 20s 5 | 20s14 | 25n20 | 14n37 | 7s17 | T 1 |
| F 2 | 14 26 | 22 27 | 4 58 | 21 18 | 0 10 | 3 30 | 0 57 | 23 53 | 0 22 | 9 3 | 1 3 | 21 0 | 0 40 | 21 21 | 0 2 | 11 29 | 0 50 | 6 14 | 16 36 | 20 5 | 20 15 | 25 21 | 14 38 | 7 17 | F 2 |
| S 3 | 14 6 | 25 17 | 4 24 | 21 14 | 0 19 | 2 58 | 0 54 | 23 54 | 0 22 | 8 58 | 1 3 | 21 1 | 0 40 | 21 21 | 0 2 | 11 28 | 0 50 | 6 13 | 16 36 | 20 5 | 20 15 | 25 22 | 14 39 | 7 16 | S 3 |
| S 4 | 13 47 | 26 32 | 3 34 | 21 9 | 0 28 | 2 27 | 0 52 | 23 54 | 0 23 | 8 52 | 1 3 | 21 2 | 0 40 | 21 21 | 0 2 | 11 28 | 0 50 | 6 13 | 16 36 | 20 5 | 20 16 | 25 22 | 14 40 | 7 16 | S 4 |
| M 5 | 13 27 | 26 1 | 2 31 | 21 2 | 0 36 | 1 55 | 0 49 | 23 55 | 0 24 | 8 47 | 1 3 | 21 3 | 0 40 | 21 21 | 0 2 | 11 27 | 0 50 | 6 12 | 16 35 | 20 5 | 20 17 | 25 23 | 14 41 | 7 15 | M 5 |
| T 6 | 13 6 | 23 48 | 1 18 | 20 54 | 0 44 | 1 24 | 0 46 | 23 55 | 0 25 | 8 41 | 1 3 | 21 3 | 0 40 | 21 21 | 0 2 | 11 26 | 0 50 | 6 11 | 16 35 | 20 4 | 20 17 | 25 24 | 14 42 | 7 15 | T 6 |
| W 7 | 12 46 | 20 8 | 0 1 | 20 44 | 0 52 | 0 52 | 0 44 | 23 55 | 0 26 | 8 36 | 1 3 | 21 4 | 0 40 | 21 21 | 0 2 | 11 25 | 0 50 | 6 11 | 16 35 | 20 4 | 20 18 | 25 25 | 14 43 | 7 15 | W 7 |
| T 8 | 12 25 | 15 20 | 1n15 | 20 34 | 1 0 | 0 21 | 0 41 | 23 54 | 0 27 | 8 30 | 1 3 | 21 5 | 0 40 | 21 21 | 0 2 | 11 24 | 0 50 | 6 10 | 16 34 | 20 4 | 20 19 | 25 25 | 14 44 | 7 14 | T 8 |
| F 9 | 12 4 | 9 50 | 2 26 | 20 22 | 1 7 | 0n11 | 0 38 | 23 54 | 0 28 | 8 25 | 1 3 | 21 6 | 0 40 | 21 21 | 0 2 | 11 24 | 0 50 | 6 10 | 16 34 | 20 5 | 20 19 | 25 26 | 14 45 | 7 14 | F 9 |
| S 10 | 11 43 | 3 58 | 3 26 | 20 9 | 1 14 | 0 43 | 0 35 | 23 53 | 0 29 | 8 20 | 1 3 | 21 7 | 0 40 | 21 22 | 0 2 | 11 23 | 0 50 | 6 9 | 16 34 | 20 5 | 20 20 | 25 27 | 14 45 | 7 13 | S 10 |
| S 11 | 11 22 | 1n55 | 4 15 | 19 54 | 1 20 | 1 14 | 0 32 | 23 52 | 0 29 | 8 14 | 1 3 | 21 8 | 0 41 | 21 22 | 0 2 | 11 22 | 0 50 | 6 9 | 16 33 | 20 7 | 20 21 | 25 27 | 14 46 | 7 13 | S 11 |
| M12 | 11 1 | 7 35 | 4 49 | 19 38 | 1 26 | 1 46 | 0 29 | 23 51 | 0 30 | 8 9 | 1 3 | 21 9 | 0 41 | 21 22 | 0 2 | 11 21 | 0 50 | 6 8 | 16 33 | 20 8 | 20 21 | 25 28 | 14 47 | 7 12 | M12 |
| T 13 | 10 39 | 12 48 | 5 7 | 19 21 | 1 32 | 2 18 | 0 26 | 23 49 | 0 31 | 8 3 | 1 3 | 21 10 | 0 41 | 21 22 | 0 1 | 11 20 | 0 50 | 6 7 | 16 33 | 20 9 | 20 22 | 25 29 | 14 48 | 7 12 | T 13 |
| W14 | 10 17 | 17 24 | 5 12 | 19 3 | 1 37 | 2 49 | 0 23 | 23 47 | 0 32 | 7 57 | 1 3 | 21 10 | 0 41 | 21 22 | 0 1 | 11 20 | 0 50 | 6 7 | 16 33 | 20 10 | 20 23 | 25 29 | 14 49 | 7 11 | W14 |
| T 15 | 9 55 | 21 12 | 5 2 | 18 43 | 1 42 | 3 21 | 0 20 | 23 45 | 0 33 | 7 52 | 1 3 | 21 11 | 0 41 | 21 22 | 0 1 | 11 19 | 0 50 | 6 6 | 16 32 | 20 11 | 20 23 | 25 30 | 14 50 | 7 11 | T 15 |
| F 16 | 9 33 | 24 4 | 4 39 | 18 22 | 1 47 | 3 52 | 0 17 | 23 43 | 0 34 | 7 46 | 1 3 | 21 12 | 0 41 | 21 22 | 0 1 | 11 18 | 0 50 | 6 6 | 16 32 | 20 11 | 20 24 | 25 31 | 14 51 | 7 10 | F 16 |
| S 17 | 9 11 | 25 52 | 4 4 | 17 59 | 1 51 | 4 23 | 0 14 | 23 41 | 0 35 | 7 41 | 1 3 | 21 13 | 0 41 | 21 22 | 0 1 | 11 17 | 0 50 | 6 5 | 16 32 | 20 11 | 20 25 | 25 31 | 14 52 | 7 10 | S 17 |
| S 18 | 8 49 | 26 30 | 3 19 | 17 35 | 1 55 | 4 55 | 0 11 | 23 38 | 0 36 | 7 35 | 1 3 | 21 13 | 0 41 | 21 22 | 0 1 | 11 16 | 0 50 | 6 4 | 16 32 | 20 11 | 20 25 | 25 32 | 14 53 | 7 9 | S 18 |
| M19 | 8 26 | 25 55 | 2 25 | 17 10 | 1 59 | 5 26 | 0 7 | 23 35 | 0 37 | 7 30 | 1 3 | 21 14 | 0 41 | 21 22 | 0 1 | 11 15 | 0 50 | 6 4 | 16 31 | 20 10 | 20 26 | 25 33 | 14 53 | 7 9 | M19 |
| T 20 | 8 4 | 24 6 | 1 24 | 16 43 | 2 2 | 5 57 | 0 4 | 23 32 | 0 38 | 7 24 | 1 3 | 21 15 | 0 41 | 21 23 | 0 1 | 11 15 | 0 50 | 6 3 | 16 31 | 20 10 | 20 26 | 25 33 | 14 54 | 7 8 | T 20 |
| W21 | 7 41 | 21 7 | 0 18 | 16 15 | 2 5 | 6 28 | 0 1 | 23 29 | 0 39 | 7 19 | 1 3 | 21 15 | 0 41 | 21 23 | 0 1 | 11 14 | 0 50 | 6 3 | 16 31 | 20 10 | 20 27 | 25 34 | 14 55 | 7 8 | W21 |
| T 22 | 7 18 | 17 5 | 0s51 | 15 45 | 2 7 | 6 58 | 0n 3 | 23 25 | 0 40 | 7 13 | 1 3 | 21 16 | 0 41 | 21 23 | 0 1 | 11 13 | 0 50 | 6 2 | 16 31 | 20 10 | 20 28 | 25 34 | 14 56 | 7 7 | T 22 |
| F 23 | 6 55 | 12 9 | 1 58 | 15 14 | 2 9 | 7 29 | 0 6 | 23 21 | 0 41 | 7 7 | 1 3 | 21 17 | 0 41 | 21 23 | 0 1 | 11 12 | 0 50 | 6 1 | 16 30 | 20 10 | 20 28 | 25 35 | 14 57 | 7 6 | F 23 |
| S 24 | 6 32 | 6 34 | 3 1 | 14 42 | 2 11 | 7 59 | 0 9 | 23 17 | 0 42 | 7 2 | 1 3 | 21 17 | 0 41 | 21 23 | 0 1 | 11 11 | 0 50 | 6 1 | 16 30 | 20 11 | 20 29 | 25 36 | 14 58 | 7 6 | S 24 |
| S 25 | 6 9 | 0 33 | 3 55 | 14 8 | 2 12 | 8 30 | 0 13 | 23 13 | 0 43 | 6 56 | 1 3 | 21 18 | 0 41 | 21 23 | 0 1 | 11 11 | 0 50 | 6 0 | 16 30 | 20 13 | 20 30 | 25 36 | 14 59 | 7 5 | S 25 |
| M26 | 5 46 | 5s36 | 4 36 | 13 33 | 2 13 | 9 0 | 0 16 | 23 8 | 0 44 | 6 51 | 1 3 | 21 18 | 0 41 | 21 24 | 0 1 | 11 10 | 0 50 | 6 0 | 16 30 | 20 14 | 20 30 | 25 37 | 14 59 | 7 5 | M26 |
| T 27 | 5 23 | 11 34 | 5 1 | 12 57 | 2 13 | 9 30 | 0 20 | 23 4 | 0 45 | 6 45 | 1 3 | 21 19 | 0 41 | 21 24 | 0 1 | 11 9 | 0 50 | 5 59 | 16 29 | 20 16 | 20 31 | 25 37 | 15 0 | 7 4 | T 27 |
| W28 | 5s 0 | 16s58 | 5s 7 | 12s19 | 2s13 | 9n59 | 0n24 | 22s59 | 0s46 | 6s39 | 1s 3 | 21n19 | 0n41 | 21n24 | 0s 1 | 11s 8 | 0s50 | 5s58 | 16s29 | 20s17 | 20s32 | 25n38 | 15n 1 | 7s 3 | W28 |

Julian Day Number = 2217098.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'12, Lahiri = 14°54'12 Julian Calendar 1 Feb. 1358 == Greg. Calendar 9 Feb. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## MARCH 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 6 2 | 18♓23'35 | 16♏13 | 5♓13 | 25♈57 | 19♑19 | 15♓53 | 27°R54 | 6♊15 | 3♓15 | 24♈ 6 | 29°R35 | 28♑29 | 8♊ 0 | 20°R11 | T 1 |
| F 2 | 11 9 58 | 19°23'12 | 0♐30 | 6°59 | 27° 8 | 20° 3 | 16° 7 | 27♋52 | 6°16 | 3°17 | 24° 7 | 29♑32 | 28°25 | 8° 7 | 20♋ 9 | F 2 |
| S 3 | 11 13 55 | 20°22'47 | 14°43 | 8°46 | 28°19 | 20°46 | 16°22 | 27°50 | 6°18 | 3°20 | 24° 8 | 29°D30 | 28°22 | 8°14 | 20° 8 | S 3 |
| S 4 | 11 17 52 | 21°22'21 | 28°50 | 10°34 | 29°30 | 21°30 | 16°36 | 27°48 | 6°19 | 3°22 | 24° 9 | 29°30 | 28°19 | 8°20 | 20° 7 | S 4 |
| M 5 | 11 21 48 | 22°21'52 | 12♑49 | 12°24 | 0♉40 | 22°13 | 16°51 | 27°46 | 6°20 | 3°24 | 24°10 | 29°31 | 28°16 | 8°27 | 20° 6 | M 5 |
| T 6 | 11 25 45 | 23°21'22 | 26°39 | 14°15 | 1°51 | 22°57 | 17° 5 | 27°44 | 6°22 | 3°26 | 24°12 | 29°R32 | 28°13 | 8°34 | 20° 5 | T 6 |
| W 7 | 11 29 41 | 24°20'50 | 10♒21 | 16° 7 | 3° 2 | 23°41 | 17°20 | 27°42 | 6°23 | 3°28 | 24°13 | 29°31 | 28° 9 | 8°40 | 20° 4 | W 7 |
| T 8 | 11 33 38 | 25°20'17 | 23°53 | 18° 0 | 4°12 | 24°24 | 17°34 | 27°41 | 6°25 | 3°31 | 24°14 | 29°29 | 28° 6 | 8°47 | 20° 4 | T 8 |
| F 9 | 11 37 34 | 26°19'41 | 7♓15 | 19°55 | 5°23 | 25° 8 | 17°49 | 27°39 | 6°27 | 3°33 | 24°15 | 29°23 | 28° 3 | 8°54 | 20° 3 | F 9 |
| S 10 | 11 41 31 | 27°19'03 | 20°25 | 21°51 | 6°33 | 25°52 | 18° 3 | 27°38 | 6°28 | 3°35 | 24°16 | 29°16 | 28° 0 | 9° 0 | 20° 3 | S 10 |
| S 11 | 11 45 27 | 28°18'23 | 3♈23 | 23°48 | 7°43 | 26°35 | 18°18 | 27°37 | 6°30 | 3°37 | 24°18 | 29° 6 | 27°57 | 9° 7 | 20° 2 | S 11 |
| M12 | 11 49 24 | 29°17'41 | 16° 6 | 25°47 | 8°53 | 27°19 | 18°32 | 27°36 | 6°32 | 3°39 | 24°19 | 28°55 | 27°54 | 9°14 | 20° 2 | M12 |
| T 13 | 11 53 20 | 0♈16'57 | 28°36 | 27°46 | 10° 3 | 28° 3 | 18°46 | 27°35 | 6°34 | 3°41 | 24°20 | 28°44 | 27°50 | 9°21 | 20° 2 | T 13 |
| W14 | 11 57 17 | 1°16'11 | 10♉52 | 29°47 | 11°13 | 28°46 | 19° 1 | 27°34 | 6°36 | 3°43 | 24°22 | 28°33 | 27°47 | 9°27 | 20°D 2 | W14 |
| T 15 | 12 1 14 | 2°15'22 | 22°56 | 1♈49 | 12°22 | 29°30 | 19°15 | 27°33 | 6°38 | 3°45 | 24°23 | 28°24 | 27°44 | 9°34 | 20° 2 | T 15 |
| F 16 | 12 5 10 | 3°14'31 | 4♊51 | 3°51 | 13°32 | 0♒14 | 19°29 | 27°32 | 6°40 | 3°47 | 24°24 | 28°18 | 27°41 | 9°41 | 20° 2 | F 16 |
| S 17 | 12 9 7 | 4°13'38 | 16°42 | 5°55 | 14°41 | 0°58 | 19°44 | 27°32 | 6°42 | 3°49 | 24°25 | 28°14 | 27°38 | 9°47 | 20° 2 | S 17 |
| S 18 | 12 13 3 | 5°12'43 | 28°31 | 7°59 | 15°50 | 1°41 | 19°58 | 27°31 | 6°44 | 3°51 | 24°27 | 28°13 | 27°35 | 9°54 | 20° 2 | S 18 |
| M19 | 12 17 0 | 6°11'45 | 10♋26 | 10° 3 | 17° 0 | 2°25 | 20°12 | 27°31 | 6°46 | 3°53 | 24°28 | 28°D12 | 27°31 | 10° 1 | 20° 3 | M19 |
| T 20 | 12 20 56 | 7°10'45 | 22°31 | 12° 8 | 18° 8 | 3° 9 | 20°26 | 27°31 | 6°48 | 3°55 | 24°29 | 28°R13 | 27°28 | 10° 7 | 20° 3 | T 20 |
| W21 | 12 24 53 | 8° 9'43 | 4♌51 | 14°13 | 19°17 | 3°53 | 20°40 | 27°31 | 6°50 | 3°57 | 24°31 | 28°13 | 27°25 | 10°14 | 20° 4 | W21 |
| T 22 | 12 28 49 | 9° 8'38 | 17°31 | 16°17 | 20°26 | 4°36 | 20°55 | 27°D31 | 6°52 | 3°59 | 24°32 | 28°11 | 27°22 | 10°21 | 20° 5 | T 22 |
| F 23 | 12 32 46 | 10° 7'31 | 0♍35 | 18°21 | 21°34 | 5°20 | 21° 9 | 27°31 | 6°54 | 4° 1 | 24°33 | 28° 7 | 27°19 | 10°27 | 20° 5 | F 23 |
| S 24 | 12 36 43 | 11° 6'22 | 14° 5 | 20°24 | 22°43 | 6° 4 | 21°23 | 27°31 | 6°57 | 4° 3 | 24°35 | 28° 1 | 27°15 | 10°34 | 20° 6 | S 24 |
| S 25 | 12 40 39 | 12° 5'10 | 28° 0 | 22°26 | 23°51 | 6°48 | 21°37 | 27°31 | 6°59 | 4° 5 | 24°36 | 27°52 | 27°12 | 10°41 | 20° 7 | S 25 |
| M26 | 12 44 36 | 13° 3'57 | 12♎18 | 24°27 | 24°59 | 7°31 | 21°51 | 27°32 | 7° 1 | 4° 7 | 24°37 | 27°41 | 27° 9 | 10°47 | 20° 8 | M26 |
| T 27 | 12 48 32 | 14° 2'41 | 26°52 | 26°25 | 26° 7 | 8°15 | 22° 5 | 27°32 | 7° 4 | 4° 9 | 24°39 | 27°30 | 27° 6 | 10°54 | 20°10 | T 27 |
| W28 | 12 52 29 | 15° 1'24 | 11♏36 | 28°21 | 27°14 | 8°59 | 22°19 | 27°33 | 7° 6 | 4°11 | 24°40 | 27°20 | 27° 3 | 11° 1 | 20°11 | W28 |
| T 29 | 12 56 25 | 16° 0'05 | 26°21 | 0♉15 | 28°22 | 9°43 | 22°33 | 27°34 | 7° 9 | 4°12 | 24°42 | 27°11 | 27° 0 | 11° 8 | 20°12 | T 29 |
| F 30 | 13 0 22 | 16°58'44 | 10♐59 | 2° 6 | 29°29 | 10°27 | 22°47 | 27°35 | 7°11 | 4°14 | 24°43 | 27° 4 | 26°56 | 11°14 | 20°14 | F 30 |
| S 31 | 13 4 18 | 17♈57'21 | 25♐27 | 3♉53 | 0♊36 | 11♒10 | 23♓ 0 | 27♋36 | 7♊14 | 4♓16 | 24♈44 | 27♑ 1 | 26♑53 | 11♊21 | 20♋15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 4s36 | 21s27 | 4s55 | 11s40 | 2s12 | 10n29 | 0n27 | 22s54 | 0s47 | 6s34 | 1s 3 | 21n20 | 0n41 | 21n24 | 0s 1 | 11s 7 | 0s50 | 5s58 | 16s29 | 20s19 | 20s32 | 25n38 | 15n 2 | 7s 3 | T 1 |
| F 2 | 4 13 | 24 38 | 4 24 | 11 0 | 2 11 | 10 58 | 0 31 | 22 48 | 0 48 | 6 28 | 1 3 | 21 20 | 0 41 | 21 25 | 0 1 | 11 7 | 0 50 | 5 57 | 16 29 | 20 19 | 20 33 | 25 39 | 15 3 | 7 2 | F 2 |
| S 3 | 3 49 | 26 14 | 3 37 | 10 18 | 2 9 | 11 27 | 0 34 | 22 43 | 0 49 | 6 22 | 1 4 | 21 21 | 0 41 | 21 25 | 0 1 | 11 6 | 0 50 | 5 57 | 16 29 | 20 20 | 20 34 | 25 40 | 15 3 | 7 2 | S 3 |
| S 4 | 3 26 | 26 8 | 2 37 | 9 35 | 2 7 | 11 55 | 0 38 | 22 37 | 0 49 | 6 17 | 1 4 | 21 21 | 0 41 | 21 25 | 0 1 | 11 5 | 0 50 | 5 56 | 16 28 | 20 20 | 20 34 | 25 40 | 15 4 | 7 1 | S 4 |
| M 5 | 3 2 | 24 23 | 1 29 | 8 51 | 2 4 | 12 24 | 0 42 | 22 31 | 0 50 | 6 11 | 1 4 | 21 22 | 0 42 | 21 25 | 0 1 | 11 4 | 0 50 | 5 55 | 16 28 | 20 19 | 20 35 | 25 41 | 15 5 | 7 0 | M 5 |
| T 6 | 2 39 | 21 9 | 0 15 | 8 5 | 2 1 | 12 52 | 0 45 | 22 25 | 0 51 | 6 6 | 1 4 | 21 22 | 0 42 | 21 26 | 0 1 | 11 4 | 0 50 | 5 55 | 16 28 | 20 19 | 20 36 | 25 41 | 15 6 | 7 0 | T 6 |
| W 7 | 2 15 | 16 47 | 0n58 | 7 18 | 1 57 | 13 20 | 0 49 | 22 18 | 0 52 | 6 0 | 1 4 | 21 22 | 0 42 | 21 26 | 0 1 | 11 3 | 0 50 | 5 54 | 16 28 | 20 19 | 20 36 | 25 42 | 15 6 | 6 59 | W 7 |
| T 8 | 1 52 | 11 37 | 2 7 | 6 30 | 1 53 | 13 47 | 0 52 | 22 11 | 0 53 | 5 54 | 1 4 | 21 23 | 0 42 | 21 26 | 0 1 | 11 2 | 0 50 | 5 54 | 16 28 | 20 20 | 20 37 | 25 42 | 15 7 | 6 58 | T 8 |
| F 9 | 1 28 | 5 59 | 3 8 | 5 40 | 1 49 | 14 14 | 0 56 | 22 5 | 0 55 | 5 49 | 1 4 | 21 23 | 0 42 | 21 26 | 0 1 | 11 1 | 0 50 | 5 53 | 16 27 | 20 21 | 20 37 | 25 43 | 15 8 | 6 58 | F 9 |
| S 10 | 1 4 | 0 10 | 3 57 | 4 50 | 1 43 | 14 41 | 1 0 | 21 57 | 0 56 | 5 43 | 1 4 | 21 23 | 0 42 | 21 27 | 0 1 | 11 0 | 0 50 | 5 52 | 16 27 | 20 23 | 20 38 | 25 43 | 15 9 | 6 57 | S 10 |
| S 11 | 0 41 | 5n32 | 4 34 | 3 58 | 1 38 | 15 8 | 1 3 | 21 50 | 0 57 | 5 38 | 1 4 | 21 24 | 0 42 | 21 27 | 0 1 | 11 0 | 0 50 | 5 52 | 16 27 | 20 25 | 20 39 | 25 44 | 15 9 | 6 56 | S 11 |
| M12 | 0 17 | 10 54 | 4 56 | 3 5 | 1 31 | 15 34 | 1 7 | 21 43 | 0 58 | 5 32 | 1 4 | 21 24 | 0 42 | 21 27 | 0 1 | 10 59 | 0 50 | 5 51 | 16 27 | 20 27 | 20 39 | 25 44 | 15 10 | 6 56 | M12 |
| T 13 | 0n 7 | 15 44 | 5 3 | 2 11 | 1 25 | 16 0 | 1 11 | 21 35 | 0 59 | 5 26 | 1 4 | 21 24 | 0 42 | 21 28 | 0 1 | 10 58 | 0 50 | 5 51 | 16 27 | 20 29 | 20 40 | 25 45 | 15 11 | 6 55 | T 13 |
| W14 | 0 30 | 19 50 | 4 57 | 1 16 | 1 17 | 16 25 | 1 14 | 21 27 | 1 0 | 5 21 | 1 4 | 21 24 | 0 42 | 21 28 | 0 1 | 10 57 | 0 50 | 5 50 | 16 27 | 20 31 | 20 41 | 25 45 | 15 11 | 6 54 | W14 |
| T 15 | 0 54 | 23 1 | 4 37 | 0 20 | 1 9 | 16 50 | 1 18 | 21 19 | 1 1 | 5 15 | 1 4 | 21 24 | 0 42 | 21 28 | 0 1 | 10 57 | 0 50 | 5 49 | 16 26 | 20 33 | 20 41 | 25 45 | 15 12 | 6 54 | T 15 |
| F 16 | 1 18 | 25 11 | 4 5 | 0n36 | 1 1 | 17 15 | 1 22 | 21 11 | 1 2 | 5 10 | 1 4 | 21 25 | 0 42 | 21 29 | 0 1 | 10 56 | 0 50 | 5 49 | 16 26 | 20 34 | 20 42 | 25 46 | 15 13 | 6 53 | F 16 |
| S 17 | 1 41 | 26 13 | 3 22 | 1 33 | 0 52 | 17 39 | 1 25 | 21 2 | 1 3 | 5 4 | 1 4 | 21 25 | 0 42 | 21 29 | 0 1 | 10 55 | 0 50 | 5 48 | 16 26 | 20 35 | 20 43 | 25 46 | 15 13 | 6 52 | S 17 |
| S 18 | 2 5 | 26 2 | 2 31 | 2 31 | 0 43 | 18 3 | 1 29 | 20 53 | 1 4 | 4 58 | 1 4 | 21 25 | 0 42 | 21 29 | 0 1 | 10 55 | 0 50 | 5 48 | 16 26 | 20 36 | 20 43 | 25 47 | 15 14 | 6 52 | S 18 |
| M19 | 2 28 | 24 40 | 1 33 | 3 29 | 0 33 | 18 27 | 1 32 | 20 44 | 1 5 | 4 53 | 1 4 | 21 25 | 0 42 | 21 30 | 0 1 | 10 54 | 0 50 | 5 47 | 16 26 | 20 36 | 20 44 | 25 47 | 15 15 | 6 51 | M19 |
| T 20 | 2 52 | 22 8 | 0 30 | 4 28 | 0 23 | 18 50 | 1 36 | 20 35 | 1 6 | 4 47 | 1 5 | 21 25 | 0 42 | 21 30 | 0 1 | 10 53 | 0 50 | 5 47 | 16 26 | 20 36 | 20 44 | 25 48 | 15 15 | 6 50 | T 20 |
| W21 | 3 15 | 18 33 | 0s35 | 5 26 | 0 13 | 19 12 | 1 39 | 20 26 | 1 7 | 4 42 | 1 5 | 21 25 | 0 42 | 21 31 | 0 1 | 10 52 | 0 50 | 5 46 | 16 26 | 20 36 | 20 45 | 25 48 | 15 16 | 6 50 | W21 |
| T 22 | 3 38 | 14 2 | 1 41 | 6 24 | 0 2 | 19 34 | 1 43 | 20 17 | 1 8 | 4 36 | 1 5 | 21 25 | 0 42 | 21 31 | 0 1 | 10 52 | 0 50 | 5 45 | 16 26 | 20 36 | 20 46 | 25 48 | 15 16 | 6 49 | T 22 |
| F 23 | 4 1 | 8 46 | 2 43 | 7 22 | 0n 9 | 19 56 | 1 46 | 20 7 | 1 9 | 4 31 | 1 5 | 21 25 | 0 42 | 21 31 | 0 1 | 10 51 | 0 50 | 5 45 | 16 25 | 20 37 | 20 46 | 25 49 | 15 17 | 6 48 | F 23 |
| S 24 | 4 25 | 2 56 | 3 38 | 8 19 | 0 20 | 20 17 | 1 50 | 19 57 | 1 10 | 4 25 | 1 5 | 21 25 | 0 42 | 21 32 | 0 1 | 10 50 | 0 50 | 5 44 | 16 25 | 20 38 | 20 47 | 25 49 | 15 17 | 6 48 | S 24 |
| S 25 | 4 48 | 3s12 | 4 22 | 9 15 | 0 32 | 20 38 | 1 53 | 19 47 | 1 11 | 4 20 | 1 5 | 21 25 | 0 42 | 21 32 | 0 1 | 10 50 | 0 51 | 5 44 | 16 25 | 20 40 | 20 48 | 25 50 | 15 18 | 6 47 | S 25 |
| M26 | 5 11 | 9 19 | 4 50 | 10 10 | 0 43 | 20 58 | 1 56 | 19 37 | 1 12 | 4 14 | 1 5 | 21 25 | 0 42 | 21 33 | 0 1 | 10 49 | 0 51 | 5 43 | 16 25 | 20 42 | 20 48 | 25 50 | 15 18 | 6 46 | M26 |
| T 27 | 5 34 | 15 4 | 5 1 | 11 4 | 0 54 | 21 17 | 2 0 | 19 27 | 1 13 | 4 9 | 1 5 | 21 25 | 0 42 | 21 33 | 0 1 | 10 48 | 0 51 | 5 43 | 16 25 | 20 44 | 20 49 | 25 50 | 15 19 | 6 46 | T 27 |
| W28 | 5 56 | 19 59 | 4 52 | 11 57 | 1 5 | 21 36 | 2 3 | 19 16 | 1 14 | 4 3 | 1 5 | 21 25 | 0 42 | 21 33 | 0 1 | 10 48 | 0 51 | 5 42 | 16 25 | 20 46 | 20 49 | 25 51 | 15 19 | 6 45 | W28 |
| T 29 | 6 19 | 23 40 | 4 23 | 12 47 | 1 16 | 21 55 | 2 6 | 19 5 | 1 15 | 3 58 | 1 5 | 21 25 | 0 42 | 21 34 | 0 1 | 10 47 | 0 51 | 5 42 | 16 25 | 20 48 | 20 50 | 25 51 | 15 20 | 6 44 | T 29 |
| F 30 | 6 42 | 25 46 | 3 38 | 13 36 | 1 27 | 22 13 | 2 9 | 18 54 | 1 16 | 3 53 | 1 5 | 21 24 | 0 42 | 21 34 | 0 1 | 10 47 | 0 51 | 5 41 | 16 25 | 20 49 | 20 51 | 25 51 | 15 20 | 6 44 | F 30 |
| S 31 | 7n 4 | 26s 5 | 2s39 | 14n23 | 1n37 | 22n31 | 2n12 | 18s43 | 1s17 | 3s47 | 1s 5 | 21n24 | 0n42 | 21n35 | 0s 1 | 10s46 | 0s51 | 5s40 | 16s25 | 20s50 | 20s51 | 25n52 | 15n21 | 6s43 | S 31 |

Julian Day Number = 2217126.5, Delta T = 08m57s
Ecliptic obliquity = 23°31'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'16, Lahiri = 14°54'16 Julian Calendar 1 March 1358 == Greg. Calendar 9 March 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## APRIL 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 8 15 | 18♈55'57 | 9♉39 | 5♌37 | 1♊43 | 11♒54 | 23♓14 | 27♋37 | 7♊16 | 4♓18 | 24♈46 | 26°R59 | 26♉50 | 11♊28 | 20♋17 | S 1 |
| M 2 | 13 12 12 | 19°54'31 | 23°35 | 7°18 | 2°50 | 12°38 | 23°28 | 27°38 | 7°19 | 4°20 | 24°47 | 26♉59 | 26°47 | 11°34 | 20°19 | M 2 |
| T 3 | 13 16 8 | 20°53'03 | 7♒15 | 8°54 | 3°57 | 13°22 | 23°42 | 27°39 | 7°22 | 4°21 | 24°48 | 26°59 | 26°44 | 11°41 | 20°21 | T 3 |
| W 4 | 13 20 5 | 21°51'34 | 20°41 | 10°27 | 5° 3 | 14° 6 | 23°55 | 27°41 | 7°24 | 4°23 | 24°50 | 26°58 | 26°41 | 11°48 | 20°23 | W 4 |
| T 5 | 13 24 1 | 22°50'02 | 3♓53 | 11°55 | 6° 9 | 14°50 | 24° 9 | 27°42 | 7°27 | 4°25 | 24°51 | 26°54 | 26°37 | 11°54 | 20°25 | T 5 |
| F 6 | 13 27 58 | 23°48'30 | 16°54 | 13°18 | 7°15 | 15°33 | 24°22 | 27°44 | 7°30 | 4°26 | 24°53 | 26°47 | 26°34 | 12° 1 | 20°27 | F 6 |
| S 7 | 13 31 54 | 24°46'55 | 29°43 | 14°37 | 8°21 | 16°17 | 24°36 | 27°45 | 7°33 | 4°28 | 24°54 | 26°38 | 26°31 | 12° 8 | 20°29 | S 7 |
| S 8 | 13 35 51 | 25°45'19 | 12♈21 | 15°51 | 9°27 | 17° 1 | 24°49 | 27°47 | 7°36 | 4°29 | 24°55 | 26°26 | 26°28 | 12°14 | 20°32 | S 8 |
| M 9 | 13 39 47 | 26°43'41 | 24°49 | 17° 1 | 10°32 | 17°45 | 25° 3 | 27°49 | 7°38 | 4°31 | 24°57 | 26°12 | 26°25 | 12°21 | 20°34 | M 9 |
| T 10 | 13 43 44 | 27°42'01 | 7♉ 6 | 18° 5 | 11°37 | 18°28 | 25°16 | 27°51 | 7°41 | 4°33 | 24°58 | 25°58 | 26°21 | 12°28 | 20°37 | T 10 |
| W11 | 13 47 41 | 28°40'19 | 19°13 | 19° 5 | 12°42 | 19°12 | 25°30 | 27°53 | 7°44 | 4°34 | 24°59 | 25°45 | 26°18 | 12°34 | 20°40 | W11 |
| T 12 | 13 51 37 | 29°38'35 | 1♊12 | 19°59 | 13°47 | 19°56 | 25°43 | 27°55 | 7°47 | 4°36 | 25° 1 | 25°34 | 26°15 | 12°41 | 20°42 | T 12 |
| F 13 | 13 55 34 | 0♉36'50 | 13° 4 | 20°48 | 14°51 | 20°40 | 25°56 | 27°58 | 7°50 | 4°37 | 25° 2 | 25°25 | 26°12 | 12°48 | 20°45 | F 13 |
| S 14 | 13 59 30 | 1°35'02 | 24°53 | 21°32 | 15°55 | 21°23 | 26° 9 | 28° 0 | 7°53 | 4°39 | 25° 4 | 25°20 | 26° 9 | 12°54 | 20°48 | S 14 |
| S 15 | 14 3 27 | 2°33'13 | 6♋41 | 22°11 | 16°59 | 22° 7 | 26°22 | 28° 3 | 7°56 | 4°40 | 25° 5 | 25°16 | 26° 6 | 13° 1 | 20°51 | S 15 |
| M16 | 14 7 23 | 3°31'21 | 18°34 | 22°45 | 18° 3 | 22°51 | 26°35 | 28° 5 | 7°59 | 4°41 | 25° 6 | 25°15 | 26° 2 | 13° 8 | 20°54 | M16 |
| T 17 | 14 11 20 | 4°29'28 | 0♌37 | 23°13 | 19° 6 | 23°34 | 26°48 | 28° 8 | 8° 2 | 4°43 | 25° 8 | 25°15 | 25°59 | 13°14 | 20°57 | T 17 |
| W18 | 14 15 16 | 5°27'33 | 12°55 | 23°36 | 20° 9 | 24°18 | 27° 1 | 28°11 | 8° 5 | 4°44 | 25° 9 | 25°15 | 25°56 | 13°21 | 21° 1 | W18 |
| T 19 | 14 19 13 | 6°25'35 | 25°33 | 23°54 | 21°12 | 25° 1 | 27°14 | 28°14 | 8° 9 | 4°45 | 25°10 | 25°14 | 25°53 | 13°28 | 21° 4 | T 19 |
| F 20 | 14 23 10 | 7°23'36 | 8♍36 | 24° 6 | 22°15 | 25°45 | 27°27 | 28°17 | 8°12 | 4°47 | 25°12 | 25°11 | 25°50 | 13°35 | 21° 8 | F 20 |
| S 21 | 14 27 6 | 8°21'34 | 22° 8 | 24°13 | 23°17 | 26°29 | 27°39 | 28°20 | 8°15 | 4°48 | 25°13 | 25° 5 | 25°46 | 13°41 | 21°11 | S 21 |
| S 22 | 14 31 3 | 9°19'31 | 6♎ 8 | 24°R15 | 24°19 | 27°12 | 27°52 | 28°23 | 8°18 | 4°49 | 25°14 | 24°57 | 25°43 | 13°48 | 21°15 | S 22 |
| M23 | 14 34 59 | 10°17'26 | 20°35 | 24°12 | 25°20 | 27°56 | 28° 4 | 28°27 | 8°21 | 4°50 | 25°16 | 24°47 | 25°40 | 13°55 | 21°18 | M23 |
| T 24 | 14 38 56 | 11°15'20 | 5♏25 | 24° 4 | 26°21 | 28°39 | 28°17 | 28°30 | 8°25 | 4°52 | 25°17 | 24°36 | 25°37 | 14° 1 | 21°22 | T 24 |
| W25 | 14 42 52 | 12°13'12 | 20°27 | 23°51 | 27°22 | 29°23 | 28°29 | 28°33 | 8°28 | 4°53 | 25°18 | 24°26 | 25°34 | 14° 8 | 21°26 | W25 |
| T 26 | 14 46 49 | 13°11'02 | 5♐34 | 23°35 | 28°22 | 0♓ 6 | 28°42 | 28°37 | 8°31 | 4°54 | 25°20 | 24°18 | 25°31 | 14°15 | 21°30 | T 26 |
| F 27 | 14 50 45 | 14° 8'51 | 20°34 | 23°14 | 29°23 | 0°49 | 28°54 | 28°41 | 8°34 | 4°55 | 25°21 | 24°12 | 25°27 | 14°21 | 21°34 | F 27 |
| S 28 | 14 54 42 | 15° 6'39 | 5♑20 | 22°50 | 0♋22 | 1°33 | 29° 6 | 28°45 | 8°38 | 4°56 | 25°22 | 24° 8 | 25°24 | 14°28 | 21°38 | S 28 |
| S 29 | 14 58 39 | 16° 4'26 | 19°47 | 22°23 | 1°22 | 2°16 | 29°18 | 28°48 | 8°41 | 4°57 | 25°24 | 24°D 7 | 25°21 | 14°35 | 21°43 | S 29 |
| M30 | 15 2 35 | 17♉ 2'11 | 3♒51 | 21♌53 | 2♋20 | 3♓ 0 | 29♓30 | 28♋52 | 8♊44 | 4♓58 | 25♈25 | 24♑ 7 | 25♑18 | 14♊41 | 21♋47 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n26 | 24s40 | 1s30 | 15n 7 | 1n47 | 22n47 | 2n16 | 18s32 | 1s18 | 3s42 | 1s 6 | 21n24 | 0n42 | 21n35 | 0s 1 | 10s45 | 0s51 | 5s40 | 16s25 | 20s50 | 20s52 | 25n52 | 15n21 | 6s42 |
| M 2 | 7 49 | 21 45 | 0 18 | 15 49 | 1 56 | 23 4 | 2 19 | 18 21 | 1 20 | 3 36 | 1 6 | 21 24 | 0 42 | 21 36 | 0 1 | 10 45 | 0 51 | 5 39 | 16 25 | 20 50 | 20 52 | 25 52 | 15 22 | 6 42 |
| T 3 | 8 11 | 17 39 | 0n54 | 16 29 | 2 5 | 23 20 | 2 22 | 18 9 | 1 21 | 3 31 | 1 6 | 21 24 | 0 42 | 21 36 | 0 1 | 10 44 | 0 51 | 5 39 | 16 25 | 20 50 | 20 53 | 25 53 | 15 22 | 6 41 |
| W 4 | 8 33 | 12 44 | 2 2 | 17 6 | 2 13 | 23 35 | 2 24 | 17 58 | 1 22 | 3 26 | 1 6 | 21 23 | 0 42 | 21 36 | 0 1 | 10 43 | 0 51 | 5 38 | 16 25 | 20 50 | 20 54 | 25 53 | 15 22 | 6 40 |
| T 5 | 8 55 | 7 18 | 3 2 | 17 41 | 2 20 | 23 50 | 2 27 | 17 46 | 1 23 | 3 20 | 1 6 | 21 23 | 0 42 | 21 37 | 0 1 | 10 43 | 0 51 | 5 38 | 16 25 | 20 51 | 20 54 | 25 53 | 15 23 | 6 40 |
| F 6 | 9 16 | 1 39 | 3 51 | 18 13 | 2 27 | 24 4 | 2 30 | 17 34 | 1 24 | 3 15 | 1 6 | 21 23 | 0 42 | 21 37 | 0 1 | 10 42 | 0 51 | 5 37 | 16 25 | 20 52 | 20 55 | 25 54 | 15 23 | 6 39 |
| S 7 | 9 38 | 3n59 | 4 28 | 18 42 | 2 32 | 24 17 | 2 33 | 17 22 | 1 25 | 3 10 | 1 6 | 21 22 | 0 42 | 21 38 | 0 1 | 10 42 | 0 51 | 5 37 | 16 25 | 20 54 | 20 56 | 25 54 | 15 23 | 6 38 |
| S 8 | 9 59 | 9 21 | 4 51 | 19 9 | 2 37 | 24 30 | 2 35 | 17 9 | 1 26 | 3 5 | 1 6 | 21 22 | 0 42 | 21 38 | 0 1 | 10 41 | 0 51 | 5 36 | 16 25 | 20 57 | 20 56 | 25 54 | 15 24 | 6 38 |
| M 9 | 10 20 | 14 17 | 5 0 | 19 33 | 2 41 | 24 42 | 2 38 | 16 57 | 1 27 | 2 59 | 1 6 | 21 22 | 0 42 | 21 39 | 0 1 | 10 41 | 0 51 | 5 36 | 16 25 | 20 59 | 20 57 | 25 54 | 15 24 | 6 37 |
| T 10 | 10 42 | 18 33 | 4 54 | 19 54 | 2 44 | 24 54 | 2 40 | 16 44 | 1 28 | 2 54 | 1 7 | 21 21 | 0 42 | 21 39 | 0 1 | 10 40 | 0 51 | 5 35 | 16 25 | 21 2 | 20 57 | 25 55 | 15 24 | 6 36 |
| W11 | 11 2 | 22 0 | 4 35 | 20 12 | 2 46 | 25 5 | 2 43 | 16 32 | 1 29 | 2 49 | 1 7 | 21 21 | 0 42 | 21 40 | 0 1 | 10 40 | 0 51 | 5 35 | 16 25 | 21 4 | 20 58 | 25 55 | 15 24 | 6 36 |
| T 12 | 11 23 | 24 28 | 4 5 | 20 28 | 2 47 | 25 16 | 2 45 | 16 19 | 1 30 | 2 44 | 1 7 | 21 21 | 0 42 | 21 40 | 0 1 | 10 39 | 0 51 | 5 34 | 16 25 | 21 6 | 20 59 | 25 55 | 15 25 | 6 35 |
| F 13 | 11 44 | 25 48 | 3 23 | 20 42 | 2 47 | 25 26 | 2 47 | 16 6 | 1 31 | 2 39 | 1 7 | 21 20 | 0 42 | 21 41 | 0 1 | 10 39 | 0 51 | 5 34 | 16 25 | 21 8 | 20 59 | 25 55 | 15 25 | 6 34 |
| S 14 | 12 4 | 25 59 | 2 33 | 20 52 | 2 45 | 25 35 | 2 49 | 15 53 | 1 32 | 2 34 | 1 7 | 21 20 | 0 42 | 21 41 | 0 1 | 10 38 | 0 51 | 5 33 | 16 25 | 21 9 | 21 0 | 25 56 | 15 25 | 6 34 |
| S 15 | 12 24 | 24 58 | 1 37 | 21 0 | 2 43 | 25 43 | 2 51 | 15 40 | 1 33 | 2 29 | 1 7 | 21 19 | 0 42 | 21 42 | 0 1 | 10 38 | 0 51 | 5 33 | 16 25 | 21 9 | 21 0 | 25 56 | 15 25 | 6 33 |
| M16 | 12 44 | 22 49 | 0 35 | 21 6 | 2 40 | 25 51 | 2 53 | 15 26 | 1 34 | 2 23 | 1 7 | 21 19 | 0 42 | 21 42 | 0 1 | 10 37 | 0 51 | 5 33 | 16 25 | 21 10 | 21 1 | 25 56 | 15 25 | 6 33 |
| T 17 | 13 4 | 19 38 | 0s28 | 21 9 | 2 35 | 25 59 | 2 55 | 15 13 | 1 36 | 2 18 | 1 7 | 21 18 | 0 42 | 21 43 | 0 1 | 10 37 | 0 51 | 5 32 | 16 25 | 21 10 | 21 2 | 25 56 | 15 26 | 6 32 |
| W18 | 13 23 | 15 31 | 1 32 | 21 9 | 2 29 | 26 6 | 2 57 | 14 59 | 1 37 | 2 13 | 1 8 | 21 17 | 0 42 | 21 43 | 0 1 | 10 36 | 0 51 | 5 32 | 16 25 | 21 10 | 21 2 | 25 56 | 15 26 | 6 31 |
| T 19 | 13 43 | 10 39 | 2 33 | 21 7 | 2 22 | 26 12 | 2 58 | 14 46 | 1 38 | 2 8 | 1 8 | 21 17 | 0 42 | 21 44 | 0 1 | 10 36 | 0 51 | 5 31 | 16 25 | 21 10 | 21 3 | 25 57 | 15 26 | 6 31 |
| F 20 | 14 2 | 5 9 | 3 28 | 21 2 | 2 14 | 26 17 | 3 0 | 14 32 | 1 39 | 2 4 | 1 8 | 21 16 | 0 43 | 21 44 | 0 1 | 10 35 | 0 51 | 5 31 | 16 25 | 21 10 | 21 3 | 25 57 | 15 26 | 6 30 |
| S 21 | 14 20 | 0s45 | 4 14 | 20 55 | 2 5 | 26 22 | 3 1 | 14 18 | 1 40 | 1 59 | 1 8 | 21 16 | 0 43 | 21 45 | 0 1 | 10 35 | 0 51 | 5 30 | 16 25 | 21 12 | 21 4 | 25 57 | 15 26 | 6 29 |
| S 22 | 14 39 | 6 49 | 4 46 | 20 45 | 1 55 | 26 26 | 3 3 | 14 4 | 1 41 | 1 54 | 1 8 | 21 15 | 0 43 | 21 45 | 0 1 | 10 34 | 0 51 | 5 30 | 16 25 | 21 13 | 21 4 | 25 57 | 15 26 | 6 29 |
| M23 | 14 57 | 12 42 | 5 1 | 20 33 | 1 43 | 26 30 | 3 4 | 13 50 | 1 42 | 1 49 | 1 8 | 21 14 | 0 43 | 21 46 | 0 1 | 10 34 | 0 51 | 5 30 | 16 25 | 21 15 | 21 5 | 25 57 | 15 26 | 6 28 |
| T 24 | 15 16 | 18 1 | 4 56 | 20 19 | 1 31 | 26 33 | 3 5 | 13 36 | 1 43 | 1 44 | 1 9 | 21 14 | 0 43 | 21 46 | 0 1 | 10 34 | 0 51 | 5 29 | 16 25 | 21 17 | 21 6 | 25 58 | 15 26 | 6 28 |
| W25 | 15 33 | 22 17 | 4 32 | 20 3 | 1 17 | 26 35 | 3 6 | 13 21 | 1 44 | 1 39 | 1 9 | 21 13 | 0 43 | 21 47 | 0 1 | 10 33 | 0 51 | 5 29 | 16 25 | 21 18 | 21 6 | 25 58 | 15 26 | 6 27 |
| T 26 | 15 51 | 25 2 | 3 48 | 19 45 | 1 3 | 26 37 | 3 6 | 13 7 | 1 45 | 1 34 | 1 9 | 21 12 | 0 43 | 21 47 | 0 1 | 10 33 | 0 52 | 5 28 | 16 25 | 21 20 | 21 7 | 25 58 | 15 26 | 6 27 |
| F 27 | 16 8 | 25 59 | 2 48 | 19 25 | 0 48 | 26 38 | 3 7 | 12 52 | 1 46 | 1 30 | 1 9 | 21 12 | 0 43 | 21 48 | 0 1 | 10 32 | 0 52 | 5 28 | 16 25 | 21 21 | 21 7 | 25 58 | 15 26 | 6 26 |
| S 28 | 16 26 | 25 3 | 1 38 | 19 3 | 0 32 | 26 39 | 3 8 | 12 38 | 1 47 | 1 25 | 1 9 | 21 11 | 0 43 | 21 48 | 0 1 | 10 32 | 0 52 | 5 28 | 16 25 | 21 22 | 21 8 | 25 58 | 15 26 | 6 25 |
| S 29 | 16 42 | 22 26 | 0 23 | 18 40 | 0 15 | 26 39 | 3 8 | 12 23 | 1 48 | 1 20 | 1 9 | 21 10 | 0 43 | 21 49 | 0 1 | 10 32 | 0 52 | 5 27 | 16 26 | 21 22 | 21 9 | 25 58 | 15 26 | 6 25 |
| M30 | 16n59 | 18s31 | 0n52 | 18n16 | 0s 2 | 26n38 | 3n 8 | 12s 8 | 1s49 | 1s16 | 1s 9 | 21n 9 | 0n43 | 21n49 | 0s 1 | 10s31 | 0s52 | 5s27 | 16s26 | 21s22 | 21s 9 | 25n58 | 15n26 | 6s24 |

Julian Day Number = 2217157.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'20, Lahiri = 14°54'20 Julian Calendar 1 Apr. 1358 == Greg. Calendar 9 Apr. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## MAY 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 6 32 | 17♉59'55 | 17♒34 | 21°R21 | 3♋19 | 3♓43 | 29♓42 | 28♋56 | 8♊48 | 4♓59 | 25♈26 | 24°R 8 | 25♑15 | 14♊48 | 21♋51 | T 1 |
| W 2 | 15 10 28 | 18°57'38 | 0♓55 | 20♉47 | 4°17 | 4°26 | 29°54 | 29° 0 | 8°51 | 5° 0 | 25°28 | 24♑ 7 | 25°12 | 14°55 | 21°56 | W 2 |
| T 3 | 15 14 25 | 19°55'20 | 13°58 | 20°13 | 5°15 | 5° 9 | 0♈ 6 | 29° 5 | 8°54 | 5° 1 | 25°29 | 24° 4 | 25° 8 | 15° 1 | 22° 0 | T 3 |
| F 4 | 15 18 21 | 20°53'01 | 26°46 | 19°38 | 6°12 | 5°53 | 0°17 | 29° 9 | 8°58 | 5° 2 | 25°30 | 24° 0 | 25° 5 | 15° 8 | 22° 5 | F 4 |
| S 5 | 15 22 18 | 21°50'41 | 9♈20 | 19° 4 | 7° 9 | 6°36 | 0°29 | 29°13 | 9° 1 | 5° 3 | 25°31 | 23°52 | 25° 2 | 15°15 | 22° 9 | S 5 |
| S 6 | 15 26 14 | 22°48'20 | 21°42 | 18°31 | 8° 5 | 7°19 | 0°40 | 29°18 | 9° 5 | 5° 3 | 25°33 | 23°43 | 24°59 | 15°21 | 22°14 | S 6 |
| M 7 | 15 30 11 | 23°45'57 | 3♉56 | 17°59 | 9° 1 | 8° 2 | 0°52 | 29°22 | 9° 8 | 5° 4 | 25°34 | 23°32 | 24°56 | 15°28 | 22°19 | M 7 |
| T 8 | 15 34 8 | 24°43'34 | 16° 1 | 17°29 | 9°56 | 8°45 | 1° 3 | 29°27 | 9°12 | 5° 5 | 25°35 | 23°21 | 24°52 | 15°35 | 22°24 | T 8 |
| W 9 | 15 38 4 | 25°41'09 | 27°59 | 17° 1 | 10°51 | 9°28 | 1°14 | 29°32 | 9°15 | 5° 6 | 25°36 | 23°10 | 24°49 | 15°41 | 22°29 | W 9 |
| T 10 | 15 42 1 | 26°38'43 | 9♊52 | 16°37 | 11°45 | 10°11 | 1°26 | 29°36 | 9°19 | 5° 6 | 25°38 | 23° 2 | 24°46 | 15°48 | 22°34 | T 10 |
| F 11 | 15 45 57 | 27°36'16 | 21°41 | 16°15 | 12°38 | 10°54 | 1°37 | 29°41 | 9°22 | 5° 7 | 25°39 | 22°55 | 24°43 | 15°55 | 22°39 | F 11 |
| S 12 | 15 49 54 | 28°33'48 | 3♋29 | 15°58 | 13°31 | 11°37 | 1°47 | 29°46 | 9°26 | 5° 8 | 25°40 | 22°50 | 24°40 | 16° 1 | 22°44 | S 12 |
| S 13 | 15 53 50 | 29°31'18 | 15°18 | 15°44 | 14°24 | 12°19 | 1°58 | 29°51 | 9°29 | 5° 8 | 25°41 | 22°48 | 24°37 | 16° 8 | 22°49 | S 13 |
| M14 | 15 57 47 | 0♊28'48 | 27°12 | 15°34 | 15°15 | 13° 2 | 2° 9 | 29°56 | 9°33 | 5° 9 | 25°42 | 22°D48 | 24°33 | 16°15 | 22°54 | M14 |
| T 15 | 16 1 43 | 1°26'15 | 9♌15 | 15°29 | 16° 7 | 13°45 | 2°20 | 0♌ 1 | 9°36 | 5° 9 | 25°44 | 22°49 | 24°30 | 16°21 | 23° 0 | T 15 |
| W16 | 16 5 40 | 2°23'42 | 21°33 | 15°D28 | 16°57 | 14°27 | 2°30 | 0° 7 | 9°40 | 5°10 | 25°45 | 22°50 | 24°27 | 16°28 | 23° 5 | W16 |
| T 17 | 16 9 37 | 3°21'07 | 4♍ 9 | 15°31 | 17°47 | 15°10 | 2°41 | 0°12 | 9°43 | 5°10 | 25°46 | 22°R51 | 24°24 | 16°35 | 23°11 | T 17 |
| F 18 | 16 13 33 | 4°18'31 | 17° 8 | 15°39 | 18°36 | 15°52 | 2°51 | 0°17 | 9°47 | 5°11 | 25°47 | 22°50 | 24°21 | 16°42 | 23°16 | F 18 |
| S 19 | 16 17 30 | 5°15'54 | 0♎35 | 15°51 | 19°24 | 16°35 | 3° 1 | 0°23 | 9°50 | 5°11 | 25°48 | 22°47 | 24°18 | 16°48 | 23°22 | S 19 |
| S 20 | 16 21 26 | 6°13'16 | 14°31 | 16° 8 | 20°11 | 17°17 | 3°11 | 0°28 | 9°54 | 5°11 | 25°49 | 22°43 | 24°14 | 16°55 | 23°27 | S 20 |
| M21 | 16 25 23 | 7°10'37 | 28°55 | 16°29 | 20°58 | 17°59 | 3°21 | 0°34 | 9°57 | 5°12 | 25°50 | 22°37 | 24°11 | 17° 2 | 23°33 | M21 |
| T 22 | 16 29 19 | 8° 7'56 | 13♏44 | 16°55 | 21°43 | 18°41 | 3°31 | 0°39 | 10° 1 | 5°12 | 25°51 | 22°30 | 24° 8 | 17° 8 | 23°39 | T 22 |
| W23 | 16 33 16 | 9° 5'15 | 28°51 | 17°25 | 22°28 | 19°24 | 3°41 | 0°45 | 10° 5 | 5°12 | 25°52 | 22°24 | 24° 5 | 17°15 | 23°45 | W23 |
| T 24 | 16 37 12 | 10° 2'33 | 14♐ 6 | 17°59 | 23°12 | 20° 6 | 3°50 | 0°51 | 10° 8 | 5°13 | 25°53 | 22°19 | 24° 2 | 17°22 | 23°50 | T 24 |
| F 25 | 16 41 9 | 10°59'50 | 29°18 | 18°38 | 23°55 | 20°48 | 4° 0 | 0°57 | 10°12 | 5°13 | 25°55 | 22°15 | 23°58 | 17°28 | 23°56 | F 25 |
| S 26 | 16 45 6 | 11°57'07 | 14♑19 | 19°20 | 24°37 | 21°29 | 4° 9 | 1° 3 | 10°15 | 5°13 | 25°56 | 22°13 | 23°55 | 17°35 | 24° 2 | S 26 |
| S 27 | 16 49 2 | 12°54'23 | 29° 0 | 20° 7 | 25°18 | 22°11 | 4°19 | 1° 8 | 10°19 | 5°13 | 25°57 | 22°D13 | 23°52 | 17°42 | 24° 8 | S 27 |
| M28 | 16 52 59 | 13°51'39 | 13♒18 | 20°57 | 25°57 | 22°53 | 4°28 | 1°14 | 10°22 | 5°13 | 25°58 | 22°14 | 23°49 | 17°48 | 24°15 | M28 |
| T 29 | 16 56 55 | 14°48'54 | 27° 9 | 21°51 | 26°36 | 23°35 | 4°37 | 1°21 | 10°26 | 5°13 | 25°59 | 22°16 | 23°46 | 17°55 | 24°21 | T 29 |
| W30 | 17 0 52 | 15°46'09 | 10♓35 | 22°49 | 27°13 | 24°16 | 4°46 | 1°27 | 10°29 | 5°13 | 26° 0 | 22°R17 | 23°43 | 18° 2 | 24°27 | W30 |
| T 31 | 17 4 48 | 16♊43'23 | 23♓39 | 23♉51 | 27♋50 | 24♓58 | 4♈55 | 1♌33 | 10♊33 | 5°R13 | 26♈ 0 | 22♑17 | 23♑39 | 18♊ 8 | 24♋33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n15 | 13s42 | 2n 1 | 17n51 | 0s19 | 26n37 | 3n 8 | 11s54 | 1s50 | 1s11 | 1s10 | 21n 8 | 0n43 | 21n50 | 0s 1 | 10s31 | 0s52 | 5s27 | 16s26 | 21s22 | 21s10 | 25n59 | 15n26 | 6s24 |
| W 2 | 17 31 | 8 20 | 3 3 | 17 25 | 0 37 | 26 36 | 3 8 | 11 39 | 1 51 | 1 6 | 1 10 | 21 8 | 0 43 | 21 51 | 0 1 | 10 31 | 0 52 | 5 26 | 16 26 | 21 22 | 21 10 | 25 59 | 15 26 | 6 23 |
| T 3 | 17 47 | 2 45 | 3 53 | 17 0 | 0 54 | 26 33 | 3 8 | 11 24 | 1 52 | 1 2 | 1 10 | 21 7 | 0 43 | 21 51 | 0 1 | 10 31 | 0 52 | 5 26 | 16 26 | 21 22 | 21 11 | 25 59 | 15 25 | 6 23 |
| F 4 | 18 2 | 2n50 | 4 30 | 16 34 | 1 11 | 26 30 | 3 8 | 11 9 | 1 53 | 0 57 | 1 10 | 21 6 | 0 43 | 21 52 | 0 1 | 10 30 | 0 52 | 5 26 | 16 26 | 21 23 | 21 11 | 25 59 | 15 25 | 6 22 |
| S 5 | 18 17 | 8 13 | 4 54 | 16 8 | 1 28 | 26 27 | 3 7 | 10 54 | 1 54 | 0 53 | 1 10 | 21 5 | 0 43 | 21 52 | 0 1 | 10 30 | 0 52 | 5 25 | 16 26 | 21 24 | 21 12 | 25 59 | 15 25 | 6 21 |
| S 6 | 18 32 | 13 10 | 5 4 | 15 43 | 1 45 | 26 23 | 3 7 | 10 38 | 1 55 | 0 48 | 1 10 | 21 4 | 0 43 | 21 53 | 0 1 | 10 30 | 0 52 | 5 25 | 16 26 | 21 26 | 21 13 | 25 59 | 15 25 | 6 21 |
| M 7 | 18 47 | 17 33 | 4 59 | 15 19 | 2 1 | 26 18 | 3 6 | 10 23 | 1 56 | 0 44 | 1 11 | 21 3 | 0 43 | 21 53 | 0 1 | 10 29 | 0 52 | 5 25 | 16 26 | 21 28 | 21 13 | 25 59 | 15 25 | 6 20 |
| T 8 | 19 1 | 21 10 | 4 41 | 14 56 | 2 16 | 26 13 | 3 5 | 10 8 | 1 57 | 0 40 | 1 11 | 21 2 | 0 43 | 21 54 | 0 1 | 10 29 | 0 52 | 5 24 | 16 27 | 21 30 | 21 14 | 25 59 | 15 24 | 6 20 |
| W 9 | 19 15 | 23 51 | 4 10 | 14 35 | 2 30 | 26 8 | 3 4 | 9 53 | 1 58 | 0 35 | 1 11 | 21 1 | 0 43 | 21 54 | 0 1 | 10 29 | 0 52 | 5 24 | 16 27 | 21 32 | 21 14 | 25 59 | 15 24 | 6 19 |
| T 10 | 19 28 | 25 27 | 3 29 | 14 15 | 2 43 | 26 2 | 3 2 | 9 37 | 2 0 | 0 31 | 1 11 | 21 0 | 0 43 | 21 55 | 0 1 | 10 29 | 0 52 | 5 24 | 16 27 | 21 33 | 21 15 | 25 59 | 15 24 | 6 19 |
| F 11 | 19 42 | 25 54 | 2 39 | 13 57 | 2 56 | 25 55 | 3 1 | 9 22 | 2 1 | 0 27 | 1 11 | 20 59 | 0 43 | 21 55 | 0 1 | 10 29 | 0 52 | 5 24 | 16 27 | 21 34 | 21 15 | 25 59 | 15 23 | 6 18 |
| S 12 | 19 55 | 25 11 | 1 42 | 13 42 | 3 7 | 25 48 | 2 59 | 9 6 | 2 2 | 0 23 | 1 12 | 20 58 | 0 43 | 21 56 | 0 1 | 10 28 | 0 52 | 5 23 | 16 27 | 21 35 | 21 16 | 25 59 | 15 23 | 6 18 |
| S 13 | 20 7 | 23 19 | 0 40 | 13 28 | 3 17 | 25 41 | 2 57 | 8 51 | 2 3 | 0 19 | 1 12 | 20 57 | 0 43 | 21 56 | 0 1 | 10 28 | 0 52 | 5 23 | 16 27 | 21 35 | 21 17 | 25 59 | 15 23 | 6 17 |
| M14 | 20 19 | 20 24 | 0s24 | 13 17 | 3 26 | 25 33 | 2 55 | 8 35 | 2 4 | 0 15 | 1 12 | 20 56 | 0 43 | 21 57 | 0 1 | 10 28 | 0 52 | 5 23 | 16 28 | 21 35 | 21 17 | 25 59 | 15 22 | 6 17 |
| T 15 | 20 31 | 16 36 | 1 28 | 13 8 | 3 33 | 25 25 | 2 53 | 8 20 | 2 4 | 0 10 | 1 12 | 20 55 | 0 43 | 21 58 | 0 1 | 10 28 | 0 52 | 5 23 | 16 28 | 21 35 | 21 18 | 25 59 | 15 22 | 6 16 |
| W16 | 20 43 | 12 2 | 2 29 | 13 1 | 3 40 | 25 16 | 2 50 | 8 4 | 2 5 | 0 6 | 1 12 | 20 54 | 0 43 | 21 58 | 0 1 | 10 28 | 0 52 | 5 22 | 16 28 | 21 35 | 21 18 | 25 59 | 15 22 | 6 16 |
| T 17 | 20 54 | 6 51 | 3 24 | 12 57 | 3 45 | 25 7 | 2 48 | 7 48 | 2 6 | 0 2 | 1 13 | 20 53 | 0 43 | 21 59 | 0 1 | 10 28 | 0 52 | 5 22 | 16 28 | 21 35 | 21 19 | 25 59 | 15 21 | 6 16 |
| F 18 | 21 5 | 1 15 | 4 11 | 12 55 | 3 49 | 24 57 | 2 45 | 7 33 | 2 7 | 0n 1 | 1 13 | 20 52 | 0 43 | 21 59 | 0 1 | 10 27 | 0 52 | 5 22 | 16 28 | 21 35 | 21 19 | 25 59 | 15 21 | 6 15 |
| S 19 | 21 15 | 4s36 | 4 46 | 12 56 | 3 53 | 24 47 | 2 42 | 7 17 | 2 8 | 0 5 | 1 13 | 20 51 | 0 43 | 22 0 | 0 1 | 10 27 | 0 52 | 5 22 | 16 29 | 21 35 | 21 20 | 25 59 | 15 20 | 6 15 |
| S 20 | 21 25 | 10 26 | 5 6 | 12 59 | 3 55 | 24 37 | 2 38 | 7 1 | 2 9 | 0 9 | 1 13 | 20 49 | 0 43 | 22 0 | 0 1 | 10 27 | 0 52 | 5 22 | 16 29 | 21 36 | 21 21 | 25 59 | 15 20 | 6 14 |
| M21 | 21 35 | 15 54 | 5 7 | 13 4 | 3 56 | 24 26 | 2 35 | 6 46 | 2 10 | 0 13 | 1 13 | 20 48 | 0 43 | 22 1 | 0 1 | 10 27 | 0 52 | 5 21 | 16 29 | 21 37 | 21 21 | 25 59 | 15 19 | 6 14 |
| T 22 | 21 44 | 20 35 | 4 48 | 13 11 | 3 56 | 24 15 | 2 31 | 6 30 | 2 11 | 0 17 | 1 14 | 20 47 | 0 43 | 22 1 | 0 1 | 10 27 | 0 53 | 5 21 | 16 29 | 21 38 | 21 22 | 25 59 | 15 19 | 6 13 |
| W23 | 21 53 | 24 1 | 4 9 | 13 20 | 3 55 | 24 4 | 2 27 | 6 14 | 2 12 | 0 20 | 1 14 | 20 46 | 0 43 | 22 2 | 0 1 | 10 27 | 0 53 | 5 21 | 16 29 | 21 39 | 21 22 | 25 59 | 15 18 | 6 13 |
| T 24 | 22 2 | 25 45 | 3 12 | 13 32 | 3 53 | 23 52 | 2 23 | 5 59 | 2 13 | 0 24 | 1 14 | 20 45 | 0 43 | 22 2 | 0 1 | 10 27 | 0 53 | 5 21 | 16 30 | 21 40 | 21 23 | 25 59 | 15 18 | 6 13 |
| F 25 | 22 10 | 25 32 | 2 1 | 13 45 | 3 50 | 23 40 | 2 18 | 5 43 | 2 14 | 0 28 | 1 14 | 20 43 | 0 43 | 22 3 | 0 1 | 10 27 | 0 53 | 5 21 | 16 30 | 21 41 | 21 23 | 25 59 | 15 17 | 6 12 |
| S 26 | 22 18 | 23 28 | 0 43 | 14 0 | 3 46 | 23 28 | 2 13 | 5 27 | 2 15 | 0 31 | 1 14 | 20 42 | 0 43 | 22 3 | 0 0 | 10 27 | 0 53 | 5 21 | 16 30 | 21 41 | 21 24 | 25 59 | 15 16 | 6 12 |
| S 27 | 22 26 | 19 50 | 0n37 | 14 16 | 3 42 | 23 15 | 2 8 | 5 11 | 2 16 | 0 35 | 1 15 | 20 41 | 0 43 | 22 4 | 0 0 | 10 27 | 0 53 | 5 20 | 16 30 | 21 41 | 21 24 | 25 59 | 15 16 | 6 11 |
| M28 | 22 33 | 15 6 | 1 52 | 14 35 | 3 36 | 23 3 | 2 3 | 4 56 | 2 17 | 0 38 | 1 15 | 20 39 | 0 43 | 22 4 | 0 0 | 10 27 | 0 53 | 5 20 | 16 30 | 21 41 | 21 25 | 25 59 | 15 15 | 6 11 |
| T 29 | 22 39 | 9 42 | 2 59 | 14 54 | 3 30 | 22 50 | 1 57 | 4 40 | 2 18 | 0 41 | 1 15 | 20 38 | 0 43 | 22 5 | 0 0 | 10 27 | 0 53 | 5 20 | 16 31 | 21 41 | 21 26 | 25 59 | 15 14 | 6 11 |
| W30 | 22 46 | 4 1 | 3 53 | 15 15 | 3 24 | 22 37 | 1 52 | 4 24 | 2 19 | 0 45 | 1 15 | 20 37 | 0 43 | 22 5 | 0 0 | 10 27 | 0 53 | 5 20 | 16 31 | 21 40 | 21 26 | 25 59 | 15 14 | 6 10 |
| T 31 | 22n52 | 1n39 | 4n34 | 15n38 | 3s17 | 22n23 | 1n46 | 4s 8 | 2s19 | 0n48 | 1s16 | 20n35 | 0n43 | 22n 6 | 0s 0 | 10s27 | 0s53 | 5s20 | 16s31 | 21s40 | 21s27 | 25n58 | 15n13 | 6s10 |

Julian Day Number = 2217187.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'24, Lahiri = 14°54'24 Julian Calendar 1 May 1358 == Greg. Calendar 9 May 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## JUNE 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 8 45 | 17♊40'38 | 6♈22 | 24♉56 | 28♋25 | 25♓39 | 5♈ 3 | 1♌39 | 10♊36 | 5°R13 | 26♈ 1 | 22°R15 | 23♑36 | 18♊15 | 24♋39 | F 1 |
| S 2 | 17 12 41 | 18°37'52 | 18°49 | 26° 5 | 28°59 | 26°21 | 5°12 | 1°45 | 10°40 | 5♓13 | 26° 2 | 22♑12 | 23°33 | 18°22 | 24°46 | S 2 |
| S 3 | 17 16 38 | 19°35'06 | 1♉ 3 | 27°18 | 29°31 | 27° 2 | 5°20 | 1°52 | 10°43 | 5°13 | 26° 3 | 22° 8 | 23°30 | 18°28 | 24°52 | S 3 |
| M 4 | 17 20 35 | 20°32'20 | 13° 6 | 28°34 | 0♌ 2 | 27°43 | 5°28 | 1°58 | 10°47 | 5°13 | 26° 4 | 22° 2 | 23°27 | 18°35 | 24°58 | M 4 |
| T 5 | 17 24 31 | 21°29'33 | 25° 3 | 29°53 | 0°32 | 28°24 | 5°36 | 2° 5 | 10°51 | 5°13 | 26° 5 | 21°57 | 23°24 | 18°42 | 25° 5 | T 5 |
| W 6 | 17 28 28 | 22°26'47 | 6♊55 | 1♊16 | 1° 0 | 29° 5 | 5°44 | 2°11 | 10°54 | 5°13 | 26° 6 | 21°52 | 23°20 | 18°48 | 25°11 | W 6 |
| T 7 | 17 32 24 | 23°24'00 | 18°44 | 2°42 | 1°27 | 29°46 | 5°52 | 2°18 | 10°58 | 5°12 | 26° 7 | 21°48 | 23°17 | 18°55 | 25°18 | T 7 |
| F 8 | 17 36 21 | 24°21'12 | 0♋32 | 4°12 | 1°52 | 0♈26 | 6° 0 | 2°24 | 11° 1 | 5°12 | 26° 7 | 21°45 | 23°14 | 19° 2 | 25°24 | F 8 |
| S 9 | 17 40 17 | 25°18'25 | 12°22 | 5°44 | 2°15 | 1° 7 | 6° 7 | 2°31 | 11° 5 | 5°12 | 26° 8 | 21°43 | 23°11 | 19° 8 | 25°31 | S 9 |
| S 10 | 17 44 14 | 26°15'37 | 24°15 | 7°21 | 2°37 | 1°47 | 6°15 | 2°38 | 11° 8 | 5°12 | 26° 9 | 21°D43 | 23° 8 | 19°15 | 25°38 | S 10 |
| M11 | 17 48 11 | 27°12'49 | 6♌15 | 9° 0 | 2°56 | 2°28 | 6°22 | 2°44 | 11°11 | 5°11 | 26°10 | 21°43 | 23° 4 | 19°22 | 25°44 | M11 |
| T 12 | 17 52 7 | 28°10'01 | 18°25 | 10°42 | 3°14 | 3° 8 | 6°29 | 2°51 | 11°15 | 5°11 | 26°11 | 21°45 | 23° 1 | 19°28 | 25°51 | T 12 |
| W13 | 17 56 4 | 29° 7'12 | 0♍47 | 12°28 | 3°30 | 3°48 | 6°36 | 2°58 | 11°18 | 5°10 | 26°11 | 21°46 | 22°58 | 19°35 | 25°58 | W13 |
| T 14 | 18 0 0 | 0♋ 4'22 | 13°26 | 14°16 | 3°45 | 4°28 | 6°43 | 3° 5 | 11°22 | 5°10 | 26°12 | 21°48 | 22°55 | 19°42 | 26° 5 | T 14 |
| F 15 | 18 3 57 | 1° 1'33 | 26°25 | 16° 8 | 3°57 | 5° 8 | 6°50 | 3°12 | 11°25 | 5°10 | 26°13 | 21°R49 | 22°52 | 19°48 | 26°12 | F 15 |
| S 16 | 18 7 53 | 1°58'43 | 9♎47 | 18° 2 | 4° 7 | 5°48 | 6°56 | 3°19 | 11°29 | 5° 9 | 26°13 | 21°48 | 22°49 | 19°55 | 26°18 | S 16 |
| S 17 | 18 11 50 | 2°55'53 | 23°35 | 19°58 | 4°14 | 6°27 | 7° 2 | 3°26 | 11°32 | 5° 9 | 26°14 | 21°47 | 22°45 | 20° 2 | 26°25 | S 17 |
| M18 | 18 15 46 | 3°53'02 | 7♏48 | 21°57 | 4°20 | 7° 6 | 7° 9 | 3°33 | 11°35 | 5° 8 | 26°15 | 21°46 | 22°42 | 20° 8 | 26°32 | M18 |
| T 19 | 18 19 43 | 4°50'11 | 22°25 | 23°59 | 4°23 | 7°46 | 7°15 | 3°40 | 11°39 | 5° 7 | 26°15 | 21°44 | 22°39 | 20°15 | 26°39 | T 19 |
| W20 | 18 23 40 | 5°47'21 | 7♐20 | 26° 2 | 4°R25 | 8°25 | 7°20 | 3°47 | 11°42 | 5° 7 | 26°16 | 21°42 | 22°36 | 20°22 | 26°46 | W20 |
| T 21 | 18 27 36 | 6°44'30 | 22°28 | 28° 7 | 4°23 | 9° 4 | 7°26 | 3°54 | 11°45 | 5° 6 | 26°16 | 21°40 | 22°33 | 20°28 | 26°53 | T 21 |
| F 22 | 18 31 33 | 7°41'40 | 7♑38 | 0♋13 | 4°20 | 9°43 | 7°32 | 4° 1 | 11°49 | 5° 5 | 26°17 | 21°39 | 22°30 | 20°35 | 27° 0 | F 22 |
| S 23 | 18 35 29 | 8°38'49 | 22°41 | 2°21 | 4°14 | 10°21 | 7°37 | 4° 8 | 11°52 | 5° 5 | 26°18 | 21°D39 | 22°26 | 20°42 | 27° 7 | S 23 |
| S 24 | 18 39 26 | 9°35'59 | 7♒29 | 4°29 | 4° 5 | 11° 0 | 7°42 | 4°15 | 11°55 | 5° 4 | 26°18 | 21°39 | 22°23 | 20°48 | 27°14 | S 24 |
| M25 | 18 43 22 | 10°33'09 | 21°56 | 6°38 | 3°54 | 11°38 | 7°47 | 4°23 | 11°58 | 5° 3 | 26°19 | 21°40 | 22°20 | 20°55 | 27°22 | M25 |
| T 26 | 18 47 19 | 11°30'20 | 5♓56 | 8°47 | 3°41 | 12°17 | 7°52 | 4°30 | 12° 1 | 5° 2 | 26°19 | 21°41 | 22°17 | 21° 2 | 27°29 | T 26 |
| W27 | 18 51 15 | 12°27'31 | 19°31 | 10°56 | 3°26 | 12°55 | 7°57 | 4°37 | 12° 5 | 5° 2 | 26°20 | 21°42 | 22°14 | 21° 8 | 27°36 | W27 |
| T 28 | 18 55 12 | 13°24'43 | 2♈39 | 13° 5 | 3° 8 | 13°33 | 8° 1 | 4°45 | 12° 8 | 5° 1 | 26°20 | 21°42 | 22°10 | 21°15 | 27°43 | T 28 |
| F 29 | 18 59 9 | 14°21'56 | 15°25 | 15°13 | 2°48 | 14°10 | 8° 6 | 4°52 | 12°11 | 5° 0 | 26°20 | 21°R42 | 22° 7 | 21°22 | 27°50 | F 29 |
| S 30 | 19 3 5 | 15♋19'09 | 27♈51 | 17♋21 | 2♌26 | 14♈48 | 8♈10 | 4♌59 | 12♊14 | 4♓59 | 26♈21 | 21♑42 | 22♑ 4 | 21♊28 | 27♋57 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n57 | 7n 7 | 5n 0 | 16n 1 | 3s 9 | 22n10 | 1n39 | 3s53 | 2s20 | 0n51 | 1s16 | 20n34 | 0n43 | 22n 7 | 0s 0 | 10s27 | 0s53 | 5s20 | 16s31 | 21s41 | 21s27 | 25n58 | 15n12 | 6s 9 |
| S 2 | 23 2 | 12 11 | 5 11 | 16 25 | 3 0 | 21 57 | 1 32 | 3 37 | 2 21 | 0 54 | 1 16 | 20 33 | 0 44 | 22 7 | 0 0 | 10 27 | 0 53 | 5 20 | 16 32 | 21 41 | 21 28 | 25 58 | 15 12 | 6 9 |
| S 3 | 23 7 | 16 41 | 5 8 | 16 51 | 2 51 | 21 43 | 1 25 | 3 21 | 2 22 | 0 58 | 1 16 | 20 31 | 0 44 | 22 8 | 0 0 | 10 27 | 0 53 | 5 20 | 16 32 | 21 42 | 21 28 | 25 58 | 15 11 | 6 9 |
| M 4 | 23 11 | 20 27 | 4 51 | 17 17 | 2 42 | 21 29 | 1 18 | 3 6 | 2 23 | 1 1 | 1 17 | 20 30 | 0 44 | 22 8 | 0 0 | 10 27 | 0 53 | 5 20 | 16 32 | 21 43 | 21 29 | 25 58 | 15 10 | 6 8 |
| T 5 | 23 15 | 23 19 | 4 22 | 17 43 | 2 32 | 21 15 | 1 10 | 2 50 | 2 24 | 1 4 | 1 17 | 20 29 | 0 44 | 22 9 | 0 0 | 10 27 | 0 53 | 5 20 | 16 32 | 21 44 | 21 29 | 25 58 | 15 9 | 6 8 |
| W 6 | 23 18 | 25 10 | 3 41 | 18 11 | 2 21 | 21 1 | 1 2 | 2 35 | 2 25 | 1 7 | 1 17 | 20 27 | 0 44 | 22 9 | 0 0 | 10 27 | 0 53 | 5 20 | 16 33 | 21 44 | 21 30 | 25 58 | 15 8 | 6 8 |
| T 7 | 23 22 | 25 53 | 2 51 | 18 38 | 2 11 | 20 47 | 0 54 | 2 19 | 2 25 | 1 9 | 1 17 | 20 26 | 0 44 | 22 10 | 0 0 | 10 28 | 0 53 | 5 19 | 16 33 | 21 45 | 21 30 | 25 58 | 15 8 | 6 7 |
| F 8 | 23 24 | 25 25 | 1 54 | 19 6 | 2 0 | 20 33 | 0 46 | 2 4 | 2 26 | 1 12 | 1 18 | 20 24 | 0 44 | 22 10 | 0 0 | 10 28 | 0 53 | 5 19 | 16 33 | 21 46 | 21 31 | 25 57 | 15 7 | 6 7 |
| S 9 | 23 26 | 23 48 | 0 51 | 19 34 | 1 48 | 20 19 | 0 37 | 1 48 | 2 27 | 1 15 | 1 18 | 20 23 | 0 44 | 22 11 | 0 0 | 10 28 | 0 53 | 5 19 | 16 34 | 21 46 | 21 31 | 25 57 | 15 6 | 6 7 |
| S 10 | 23 28 | 21 7 | 0s14 | 20 1 | 1 37 | 20 5 | 0 27 | 1 33 | 2 28 | 1 18 | 1 18 | 20 21 | 0 44 | 22 11 | 0 0 | 10 28 | 0 53 | 5 19 | 16 34 | 21 46 | 21 32 | 25 57 | 15 5 | 6 7 |
| M11 | 23 30 | 17 30 | 1 19 | 20 29 | 1 25 | 19 52 | 0 18 | 1 17 | 2 29 | 1 20 | 1 18 | 20 20 | 0 44 | 22 12 | 0 0 | 10 28 | 0 53 | 5 19 | 16 34 | 21 46 | 21 33 | 25 57 | 15 4 | 6 6 |
| T 12 | 23 31 | 13 7 | 2 22 | 20 56 | 1 13 | 19 38 | 0 8 | 1 2 | 2 29 | 1 23 | 1 19 | 20 18 | 0 44 | 22 12 | 0 0 | 10 28 | 0 53 | 5 19 | 16 34 | 21 46 | 21 33 | 25 57 | 15 3 | 6 6 |
| W13 | 23 31 | 8 8 | 3 19 | 21 22 | 1 1 | 19 24 | 0s 2 | 0 47 | 2 30 | 1 25 | 1 19 | 20 17 | 0 44 | 22 13 | 0 0 | 10 28 | 0 53 | 5 19 | 16 35 | 21 45 | 21 34 | 25 56 | 15 2 | 6 6 |
| T 14 | 23 31 | 2 43 | 4 8 | 21 47 | 0 49 | 19 10 | 0 13 | 0 32 | 2 31 | 1 28 | 1 19 | 20 15 | 0 44 | 22 13 | 0 0 | 10 29 | 0 53 | 5 19 | 16 35 | 21 45 | 21 34 | 25 56 | 15 1 | 6 5 |
| F 15 | 23 31 | 2s56 | 4 45 | 22 11 | 0 37 | 18 57 | 0 24 | 0 16 | 2 32 | 1 30 | 1 19 | 20 14 | 0 44 | 22 13 | 0 0 | 10 29 | 0 53 | 5 19 | 16 35 | 21 45 | 21 35 | 25 56 | 15 0 | 6 5 |
| S 16 | 23 31 | 8 37 | 5 9 | 22 34 | 0 25 | 18 44 | 0 35 | 0 1 | 2 32 | 1 33 | 1 20 | 20 12 | 0 44 | 22 14 | 0 0 | 10 29 | 0 54 | 5 20 | 16 36 | 21 45 | 21 35 | 25 56 | 14 59 | 6 5 |
| S 17 | 23 29 | 14 4 | 5 16 | 22 55 | 0 13 | 18 31 | 0 47 | 0n14 | 2 33 | 1 35 | 1 20 | 20 10 | 0 44 | 22 14 | 0 0 | 10 29 | 0 54 | 5 20 | 16 36 | 21 45 | 21 36 | 25 56 | 14 58 | 6 5 |
| M18 | 23 28 | 18 56 | 5 4 | 23 15 | 0 2 | 18 18 | 0 59 | 0 29 | 2 34 | 1 37 | 1 20 | 20 9 | 0 44 | 22 15 | 0 0 | 10 30 | 0 54 | 5 20 | 16 36 | 21 45 | 21 36 | 25 55 | 14 57 | 6 5 |
| T 19 | 23 26 | 22 49 | 4 32 | 23 33 | 0n10 | 18 5 | 1 11 | 0 43 | 2 35 | 1 39 | 1 20 | 20 7 | 0 44 | 22 15 | 0 0 | 10 30 | 0 54 | 5 20 | 16 36 | 21 46 | 21 37 | 25 55 | 14 56 | 6 4 |
| W20 | 23 24 | 25 15 | 3 41 | 23 48 | 0 21 | 17 53 | 1 23 | 0 58 | 2 35 | 1 41 | 1 21 | 20 6 | 0 44 | 22 16 | 0 0 | 10 30 | 0 54 | 5 20 | 16 37 | 21 46 | 21 37 | 25 55 | 14 55 | 6 4 |
| T 21 | 23 21 | 25 53 | 2 35 | 24 2 | 0 31 | 17 41 | 1 36 | 1 13 | 2 36 | 1 43 | 1 21 | 20 4 | 0 44 | 22 16 | 0 0 | 10 30 | 0 54 | 5 20 | 16 37 | 21 46 | 21 38 | 25 55 | 14 54 | 6 4 |
| F 22 | 23 18 | 24 35 | 1 17 | 24 12 | 0 41 | 17 29 | 1 49 | 1 28 | 2 37 | 1 45 | 1 21 | 20 2 | 0 44 | 22 17 | 0 0 | 10 31 | 0 54 | 5 20 | 16 37 | 21 46 | 21 38 | 25 54 | 14 53 | 6 4 |
| S 23 | 23 14 | 21 31 | 0n 6 | 24 21 | 0 50 | 17 17 | 2 2 | 1 42 | 2 37 | 1 47 | 1 22 | 20 1 | 0 44 | 22 17 | 0 0 | 10 31 | 0 54 | 5 20 | 16 38 | 21 47 | 21 39 | 25 54 | 14 52 | 6 3 |
| S 24 | 23 10 | 17 4 | 1 27 | 24 26 | 0 59 | 17 6 | 2 16 | 1 57 | 2 38 | 1 49 | 1 22 | 19 59 | 0 44 | 22 18 | 0 0 | 10 31 | 0 54 | 5 20 | 16 38 | 21 46 | 21 39 | 25 54 | 14 51 | 6 3 |
| M25 | 23 6 | 11 43 | 2 40 | 24 29 | 1 7 | 16 55 | 2 30 | 2 11 | 2 39 | 1 51 | 1 22 | 19 57 | 0 45 | 22 18 | 0 0 | 10 32 | 0 54 | 5 20 | 16 38 | 21 46 | 21 40 | 25 54 | 14 49 | 6 3 |
| T 26 | 23 1 | 5 56 | 3 42 | 24 29 | 1 15 | 16 45 | 2 43 | 2 26 | 2 39 | 1 52 | 1 22 | 19 55 | 0 45 | 22 18 | 0 0 | 10 32 | 0 54 | 5 20 | 16 39 | 21 46 | 21 40 | 25 53 | 14 48 | 6 3 |
| W27 | 22 56 | 0 3 | 4 29 | 24 26 | 1 22 | 16 35 | 2 57 | 2 40 | 2 40 | 1 54 | 1 23 | 19 54 | 0 45 | 22 19 | 0 0 | 10 32 | 0 54 | 5 21 | 16 39 | 21 46 | 21 41 | 25 53 | 14 47 | 6 3 |
| T 28 | 22 51 | 5n39 | 5 0 | 24 20 | 1 28 | 16 25 | 3 11 | 2 54 | 2 40 | 1 55 | 1 23 | 19 52 | 0 45 | 22 19 | 0 0 | 10 33 | 0 54 | 5 21 | 16 39 | 21 46 | 21 41 | 25 53 | 14 46 | 6 3 |
| F 29 | 22 45 | 10 56 | 5 15 | 24 11 | 1 33 | 16 16 | 3 26 | 3 8 | 2 41 | 1 57 | 1 23 | 19 50 | 0 45 | 22 20 | 0 0 | 10 33 | 0 54 | 5 21 | 16 40 | 21 46 | 21 42 | 25 52 | 14 45 | 6 2 |
| S 30 | 22n38 | 15n39 | 5n15 | 24n 0 | 1n37 | 16n 7 | 3s40 | 3n22 | 2s42 | 1n58 | 1s23 | 19n49 | 0n45 | 22n20 | 0s 0 | 10s33 | 0s54 | 5s21 | 16s40 | 21s46 | 21s43 | 25n52 | 14n43 | 6s 2 |

Julian Day Number = 2217218.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'28, Lahiri = 14°54'29 Julian Calendar 1 June 1358 == Greg. Calendar 9 June 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## JULY 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 7 2 | 16♋16'23 | 10♉ 2 | 19♋28 | 2°R 1 | 15♈25 | 8♈14 | 5♌ 7 | 12♊17 | 4°R58 | 26♈21 | 21°R42 | 22♑ 1 | 21♊35 | 28♋ 5 | S 1 |
| M 2 | 19 10 58 | 17°13'37 | 22° 1 | 21°33 | 1♌35 | 16° 2 | 8°18 | 5°14 | 12°20 | 4♓57 | 26°22 | 21♑41 | 21°58 | 21°42 | 28°12 | M 2 |
| T 3 | 19 14 55 | 18°10'53 | 3♊54 | 23°37 | 1° 6 | 16°39 | 8°21 | 5°22 | 12°23 | 4°56 | 26°22 | 21°41 | 21°55 | 21°48 | 28°19 | T 3 |
| W 4 | 19 18 51 | 19° 8'09 | 15°42 | 25°40 | 0°36 | 17°16 | 8°25 | 5°29 | 12°26 | 4°55 | 26°22 | 21°40 | 21°51 | 21°55 | 28°27 | W 4 |
| T 5 | 19 22 48 | 20° 5'26 | 27°31 | 27°41 | 0° 5 | 17°53 | 8°28 | 5°37 | 12°29 | 4°54 | 26°23 | 21°40 | 21°48 | 22° 2 | 28°34 | T 5 |
| F 6 | 19 26 44 | 21° 2'44 | 9♋22 | 29°41 | 29♋32 | 18°29 | 8°31 | 5°44 | 12°32 | 4°53 | 26°23 | 21°40 | 21°45 | 22° 8 | 28°41 | F 6 |
| S 7 | 19 30 41 | 22° 0'02 | 21°17 | 1♌40 | 28°57 | 19° 5 | 8°34 | 5°52 | 12°35 | 4°52 | 26°23 | 21°40 | 21°42 | 22°15 | 28°48 | S 7 |
| S 8 | 19 34 38 | 22°57'21 | 3♌20 | 3°36 | 28°22 | 19°41 | 8°36 | 5°59 | 12°38 | 4°51 | 26°23 | 21°40 | 21°39 | 22°22 | 28°56 | S 8 |
| M 9 | 19 38 34 | 23°54'41 | 15°31 | 5°31 | 27°46 | 20°16 | 8°39 | 6° 7 | 12°41 | 4°50 | 26°24 | 21°40 | 21°36 | 22°28 | 29° 3 | M 9 |
| T 10 | 19 42 31 | 24°52'01 | 27°53 | 7°25 | 27° 9 | 20°52 | 8°41 | 6°15 | 12°44 | 4°49 | 26°24 | 21°40 | 21°32 | 22°35 | 29°10 | T 10 |
| W11 | 19 46 27 | 25°49'22 | 10♍28 | 9°16 | 26°32 | 21°27 | 8°43 | 6°22 | 12°47 | 4°47 | 26°24 | 21°39 | 21°29 | 22°42 | 29°18 | W11 |
| T 12 | 19 50 24 | 26°46'44 | 23°17 | 11° 6 | 25°55 | 22° 2 | 8°45 | 6°30 | 12°50 | 4°46 | 26°24 | 21°39 | 21°26 | 22°48 | 29°25 | T 12 |
| F 13 | 19 54 20 | 27°44'06 | 6♎23 | 12°55 | 25°17 | 22°37 | 8°47 | 6°38 | 12°52 | 4°45 | 26°24 | 21°38 | 21°23 | 22°55 | 29°33 | F 13 |
| S 14 | 19 58 17 | 28°41'28 | 19°46 | 14°41 | 24°40 | 23°11 | 8°49 | 6°45 | 12°55 | 4°44 | 26°24 | 21°38 | 21°20 | 23° 2 | 29°40 | S 14 |
| S 15 | 20 2 13 | 29°38'52 | 3♏29 | 16°26 | 24° 4 | 23°45 | 8°50 | 6°53 | 12°58 | 4°43 | 26°24 | 21°D38 | 21°16 | 23° 8 | 29°47 | S 15 |
| M16 | 20 6 10 | 0♌36'15 | 17°31 | 18° 9 | 23°28 | 24°19 | 8°51 | 7° 1 | 13° 0 | 4°41 | 26°25 | 21°38 | 21°13 | 23°15 | 29°55 | M16 |
| T 17 | 20 10 7 | 1°33'40 | 1♐52 | 19°51 | 22°54 | 24°53 | 8°52 | 7° 8 | 13° 3 | 4°40 | 26°25 | 21°39 | 21°10 | 23°22 | 0♌ 2 | T 17 |
| W18 | 20 14 3 | 2°31'06 | 16°28 | 21°31 | 22°21 | 25°26 | 8°53 | 7°16 | 13° 6 | 4°39 | 26°25 | 21°39 | 21° 7 | 23°28 | 0° 9 | W18 |
| T 19 | 20 18 0 | 3°28'32 | 1♑16 | 23°10 | 21°49 | 25°59 | 8°53 | 7°24 | 13° 8 | 4°37 | 26°R25 | 21°40 | 21° 4 | 23°35 | 0°17 | T 19 |
| F 20 | 20 21 56 | 4°25'59 | 16° 9 | 24°46 | 21°18 | 26°32 | 8°54 | 7°31 | 13°11 | 4°36 | 26°25 | 21°R41 | 21° 1 | 23°42 | 0°24 | F 20 |
| S 21 | 20 25 53 | 5°23'27 | 1♒ 0 | 26°22 | 20°50 | 27° 5 | 8°R54 | 7°39 | 13°13 | 4°35 | 26°25 | 21°41 | 20°57 | 23°48 | 0°32 | S 21 |
| S 22 | 20 29 49 | 6°20'56 | 15°42 | 27°55 | 20°23 | 27°37 | 8°54 | 7°47 | 13°16 | 4°33 | 26°25 | 21°40 | 20°54 | 23°55 | 0°39 | S 22 |
| M23 | 20 33 46 | 7°18'26 | 0♓ 6 | 29°27 | 19°58 | 28° 9 | 8°54 | 7°54 | 13°18 | 4°32 | 26°25 | 21°38 | 20°51 | 24° 2 | 0°46 | M23 |
| T 24 | 20 37 42 | 8°15'57 | 14°10 | 0♍57 | 19°36 | 28°41 | 8°53 | 8° 2 | 13°21 | 4°30 | 26°24 | 21°36 | 20°48 | 24° 8 | 0°54 | T 24 |
| W25 | 20 41 39 | 9°13'30 | 27°48 | 2°26 | 19°15 | 29°12 | 8°52 | 8°10 | 13°23 | 4°29 | 26°24 | 21°34 | 20°45 | 24°15 | 1° 1 | W25 |
| T 26 | 20 45 36 | 10°11'04 | 11♈ 1 | 3°53 | 18°57 | 29°43 | 8°52 | 8°17 | 13°25 | 4°27 | 26°24 | 21°32 | 20°42 | 24°22 | 1° 8 | T 26 |
| F 27 | 20 49 32 | 11° 8'40 | 23°51 | 5°18 | 18°42 | 0♉14 | 8°51 | 8°25 | 13°27 | 4°26 | 26°24 | 21°30 | 20°38 | 24°28 | 1°16 | F 27 |
| S 28 | 20 53 29 | 12° 6'17 | 6♉19 | 6°42 | 18°28 | 0°44 | 8°49 | 8°33 | 13°30 | 4°24 | 26°24 | 21°29 | 20°35 | 24°35 | 1°23 | S 28 |
| S 29 | 20 57 25 | 13° 3'56 | 18°31 | 8° 4 | 18°18 | 1°14 | 8°48 | 8°41 | 13°32 | 4°23 | 26°24 | 21°D29 | 20°32 | 24°42 | 1°30 | S 29 |
| M30 | 21 1 22 | 14° 1'36 | 0♊30 | 9°24 | 18° 9 | 1°44 | 8°46 | 8°48 | 13°34 | 4°21 | 26°23 | 21°30 | 20°29 | 24°48 | 1°38 | M30 |
| T 31 | 21 5 18 | 14♌59'18 | 12♊21 | 10♍42 | 18♋ 3 | 2♉13 | 8♈44 | 8♌56 | 13♊36 | 4♓20 | 26♈23 | 21♑31 | 20♑26 | 24♊55 | 1♌45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n32 | 19n38 | 5n 1 | 23n46 | 1n41 | 15n59 | 3s54 | 3n36 | 2s42 | 2n 0 | 1s24 | 19n47 | 0n45 | 22n21 | 0s 0 | 10s34 | 0s54 | 5s21 | 16s40 | 21s46 | 21s43 | 25n52 | 14n42 | 6s 2 |
| M 2 | 22 25 | 22 45 | 4 34 | 23 30 | 1 44 | 15 51 | 4 8 | 3 50 | 2 43 | 2 1 | 1 24 | 19 45 | 0 45 | 22 21 | 0 0 | 10 34 | 0 54 | 5 21 | 16 41 | 21 46 | 21 44 | 25 51 | 14 41 | 6 2 |
| T 3 | 22 17 | 24 51 | 3 55 | 23 12 | 1 46 | 15 43 | 4 22 | 4 3 | 2 43 | 2 2 | 1 24 | 19 43 | 0 45 | 22 21 | 0 0 | 10 34 | 0 54 | 5 22 | 16 41 | 21 46 | 21 44 | 25 51 | 14 39 | 6 2 |
| W 4 | 22 9 | 25 51 | 3 7 | 22 51 | 1 48 | 15 36 | 4 35 | 4 17 | 2 44 | 2 3 | 1 25 | 19 42 | 0 45 | 22 22 | 0 0 | 10 35 | 0 54 | 5 22 | 16 41 | 21 46 | 21 45 | 25 51 | 14 38 | 6 2 |
| T 5 | 22 1 | 25 40 | 2 10 | 22 28 | 1 49 | 15 30 | 4 49 | 4 30 | 2 44 | 2 4 | 1 25 | 19 40 | 0 45 | 22 22 | 0 0 | 10 35 | 0 54 | 5 22 | 16 41 | 21 46 | 21 45 | 25 50 | 14 37 | 6 2 |
| F 6 | 21 52 | 24 19 | 1 8 | 22 4 | 1 49 | 15 24 | 5 2 | 4 44 | 2 45 | 2 5 | 1 25 | 19 38 | 0 45 | 22 23 | 0 0 | 10 36 | 0 54 | 5 22 | 16 42 | 21 46 | 21 46 | 25 50 | 14 35 | 6 2 |
| S 7 | 21 43 | 21 52 | 0 2 | 21 37 | 1 48 | 15 18 | 5 14 | 4 57 | 2 45 | 2 6 | 1 26 | 19 36 | 0 45 | 22 23 | 0 0 | 10 36 | 0 54 | 5 22 | 16 42 | 21 46 | 21 46 | 25 50 | 14 34 | 6 2 |
| S 8 | 21 34 | 18 26 | 1s 4 | 21 9 | 1 47 | 15 13 | 5 27 | 5 10 | 2 46 | 2 7 | 1 26 | 19 34 | 0 45 | 22 23 | 0 0 | 10 36 | 0 54 | 5 23 | 16 42 | 21 46 | 21 47 | 25 49 | 14 33 | 6 2 |
| M 9 | 21 24 | 14 11 | 2 9 | 20 40 | 1 45 | 15 9 | 5 38 | 5 23 | 2 46 | 2 7 | 1 26 | 19 32 | 0 45 | 22 24 | 0 0 | 10 37 | 0 54 | 5 23 | 16 43 | 21 46 | 21 47 | 25 49 | 14 31 | 6 1 |
| T 10 | 21 14 | 9 19 | 3 8 | 20 9 | 1 43 | 15 5 | 5 50 | 5 36 | 2 47 | 2 8 | 1 26 | 19 31 | 0 45 | 22 24 | 0 0 | 10 37 | 0 54 | 5 23 | 16 43 | 21 46 | 21 48 | 25 48 | 14 30 | 6 1 |
| W11 | 21 3 | 3 59 | 3 59 | 19 37 | 1 40 | 15 1 | 6 0 | 5 48 | 2 47 | 2 9 | 1 27 | 19 29 | 0 46 | 22 25 | 0 0 | 10 38 | 0 54 | 5 23 | 16 43 | 21 47 | 21 48 | 25 48 | 14 28 | 6 1 |
| T 12 | 20 52 | 1s36 | 4 39 | 19 3 | 1 37 | 14 58 | 6 10 | 6 1 | 2 48 | 2 9 | 1 27 | 19 27 | 0 46 | 22 25 | 0 0 | 10 38 | 0 54 | 5 24 | 16 44 | 21 47 | 21 49 | 25 48 | 14 27 | 6 1 |
| F 13 | 20 41 | 7 13 | 5 6 | 18 29 | 1 33 | 14 56 | 6 20 | 6 14 | 2 48 | 2 9 | 1 27 | 19 25 | 0 46 | 22 25 | 0 0 | 10 39 | 0 54 | 5 24 | 16 44 | 21 47 | 21 49 | 25 47 | 14 26 | 6 1 |
| S 14 | 20 30 | 12 39 | 5 17 | 17 54 | 1 29 | 14 54 | 6 28 | 6 26 | 2 49 | 2 10 | 1 28 | 19 23 | 0 46 | 22 26 | 0 0 | 10 39 | 0 54 | 5 24 | 16 44 | 21 47 | 21 50 | 25 47 | 14 24 | 6 1 |
| S 15 | 20 18 | 17 35 | 5 11 | 17 18 | 1 24 | 14 52 | 6 36 | 6 38 | 2 49 | 2 10 | 1 28 | 19 21 | 0 46 | 22 26 | 0 0 | 10 40 | 0 54 | 5 24 | 16 45 | 21 47 | 21 50 | 25 46 | 14 23 | 6 1 |
| M16 | 20 6 | 21 41 | 4 46 | 16 41 | 1 19 | 14 51 | 6 43 | 6 50 | 2 49 | 2 10 | 1 28 | 19 19 | 0 46 | 22 26 | 0 0 | 10 40 | 0 55 | 5 25 | 16 45 | 21 47 | 21 51 | 25 46 | 14 21 | 6 1 |
| T 17 | 19 53 | 24 34 | 4 2 | 16 4 | 1 13 | 14 51 | 6 49 | 7 2 | 2 50 | 2 10 | 1 28 | 19 18 | 0 46 | 22 27 | 0 0 | 10 41 | 0 55 | 5 25 | 16 45 | 21 47 | 21 51 | 25 46 | 14 20 | 6 1 |
| W18 | 19 40 | 25 52 | 3 3 | 15 26 | 1 7 | 14 50 | 6 55 | 7 14 | 2 50 | 2 10 | 1 29 | 19 16 | 0 46 | 22 27 | 0 0 | 10 41 | 0 55 | 5 25 | 16 46 | 21 46 | 21 52 | 25 45 | 14 18 | 6 1 |
| T 19 | 19 27 | 25 22 | 1 51 | 14 48 | 1 1 | 14 51 | 7 0 | 7 26 | 2 50 | 2 10 | 1 29 | 19 14 | 0 46 | 22 27 | 0 0 | 10 42 | 0 55 | 5 26 | 16 46 | 21 46 | 21 52 | 25 45 | 14 17 | 6 1 |
| F 20 | 19 13 | 23 3 | 0 31 | 14 9 | 0 54 | 14 51 | 7 3 | 7 37 | 2 51 | 2 10 | 1 29 | 19 12 | 0 46 | 22 28 | 0 0 | 10 42 | 0 55 | 5 26 | 16 46 | 21 46 | 21 53 | 25 44 | 14 15 | 6 1 |
| S 21 | 18 59 | 19 10 | 0n51 | 13 30 | 0 47 | 14 52 | 7 7 | 7 49 | 2 51 | 2 10 | 1 30 | 19 10 | 0 46 | 22 28 | 0n 0 | 10 43 | 0 55 | 5 26 | 16 47 | 21 46 | 21 53 | 25 44 | 14 13 | 6 1 |
| S 22 | 18 45 | 14 8 | 2 9 | 12 51 | 0 39 | 14 54 | 7 9 | 8 0 | 2 51 | 2 10 | 1 30 | 19 8 | 0 46 | 22 28 | 0 0 | 10 43 | 0 55 | 5 26 | 16 47 | 21 46 | 21 54 | 25 43 | 14 12 | 6 1 |
| M23 | 18 31 | 8 24 | 3 17 | 12 12 | 0 32 | 14 56 | 7 11 | 8 11 | 2 51 | 2 9 | 1 30 | 19 6 | 0 46 | 22 29 | 0 0 | 10 44 | 0 55 | 5 27 | 16 47 | 21 47 | 21 54 | 25 43 | 14 10 | 6 1 |
| T 24 | 18 16 | 2 24 | 4 11 | 11 33 | 0 24 | 14 58 | 7 12 | 8 22 | 2 52 | 2 9 | 1 30 | 19 4 | 0 46 | 22 29 | 0 0 | 10 44 | 0 55 | 5 27 | 16 48 | 21 47 | 21 54 | 25 42 | 14 9 | 6 1 |
| W25 | 18 1 | 3n32 | 4 49 | 10 53 | 0 16 | 15 0 | 7 12 | 8 33 | 2 52 | 2 8 | 1 31 | 19 2 | 0 47 | 22 29 | 0 0 | 10 45 | 0 55 | 5 27 | 16 48 | 21 47 | 21 55 | 25 42 | 14 7 | 6 2 |
| T 26 | 17 45 | 9 8 | 5 10 | 10 14 | 0 7 | 15 3 | 7 12 | 8 44 | 2 52 | 2 8 | 1 31 | 19 0 | 0 47 | 22 29 | 0 0 | 10 46 | 0 55 | 5 28 | 16 48 | 21 48 | 21 55 | 25 41 | 14 5 | 6 2 |
| F 27 | 17 30 | 14 10 | 5 15 | 9 35 | 0s 1 | 15 6 | 7 11 | 8 54 | 2 52 | 2 7 | 1 31 | 18 58 | 0 47 | 22 30 | 0 0 | 10 46 | 0 55 | 5 28 | 16 49 | 21 48 | 21 56 | 25 41 | 14 4 | 6 2 |
| S 28 | 17 13 | 18 28 | 5 5 | 8 56 | 0 10 | 15 9 | 7 10 | 9 5 | 2 52 | 2 6 | 1 32 | 18 57 | 0 47 | 22 30 | 0 0 | 10 47 | 0 55 | 5 29 | 16 49 | 21 48 | 21 56 | 25 40 | 14 2 | 6 2 |
| S 29 | 16 57 | 21 54 | 4 41 | 8 17 | 0 19 | 15 12 | 7 8 | 9 15 | 2 53 | 2 6 | 1 32 | 18 55 | 0 47 | 22 30 | 0 0 | 10 47 | 0 55 | 5 29 | 16 49 | 21 48 | 21 57 | 25 40 | 14 1 | 6 2 |
| M30 | 16 41 | 24 20 | 4 6 | 7 38 | 0 28 | 15 16 | 7 5 | 9 25 | 2 53 | 2 5 | 1 32 | 18 53 | 0 47 | 22 31 | 0 0 | 10 48 | 0 55 | 5 29 | 16 50 | 21 48 | 21 57 | 25 39 | 13 59 | 6 2 |
| T 31 | 16n24 | 25n39 | 3n20 | 7n 0 | 0s37 | 15n20 | 7s 2 | 9n35 | 2s53 | 2n 4 | 1s32 | 18n51 | 0n47 | 22n31 | 0n 0 | 10s48 | 0s55 | 5s30 | 16s50 | 21s48 | 21s58 | 25n39 | 13n57 | 6s 2 |

Julian Day Number = 2217248.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'32, Lahiri = 14°54'33 Julian Calendar 1 July 1358 == Greg. Calendar 9 July 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## AUGUST 1358 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 9 15 | 15♌57'01 | 24♊ 9 | 11♍59 | 17°R59 | 2♉42 | 8°R42 | 9♌ 4 | 13♊38 | 4°R18 | 26°R23 | 21♏33 | 20♏22 | 25♊ 2 | 1♌52 | W 1 |
| T 2 | 21 13 11 | 16°54'47 | 5♋59 | 13°13 | 17°D58 | 3°10 | 8♈40 | 9°11 | 13°40 | 4♓17 | 26♈23 | 21°35 | 20°19 | 25° 8 | 2° 0 | T 2 |
| F 3 | 21 17 8 | 17°52'33 | 17°54 | 14°26 | 17♋59 | 3°39 | 8°38 | 9°19 | 13°42 | 4°15 | 26°22 | 21°R35 | 20°16 | 25°15 | 2° 7 | F 3 |
| S 4 | 21 21 5 | 18°50'22 | 29°58 | 15°36 | 18° 3 | 4° 6 | 8°35 | 9°27 | 13°44 | 4°14 | 26°22 | 21°35 | 20°13 | 25°22 | 2°14 | S 4 |
| S 5 | 21 25 1 | 19°48'12 | 12♌12 | 16°45 | 18° 8 | 4°34 | 8°32 | 9°34 | 13°46 | 4°12 | 26°22 | 21°34 | 20°10 | 25°28 | 2°21 | S 5 |
| M 6 | 21 28 58 | 20°46'03 | 24°39 | 17°51 | 18°16 | 5° 0 | 8°29 | 9°42 | 13°48 | 4°11 | 26°21 | 21°31 | 20° 7 | 25°35 | 2°29 | M 6 |
| T 7 | 21 32 54 | 21°43'56 | 7♍19 | 18°55 | 18°26 | 5°27 | 8°26 | 9°49 | 13°50 | 4° 9 | 26°21 | 21°27 | 20° 3 | 25°42 | 2°36 | T 7 |
| W 8 | 21 36 51 | 22°41'50 | 20°14 | 19°56 | 18°38 | 5°53 | 8°23 | 9°57 | 13°52 | 4° 7 | 26°21 | 21°22 | 20° 0 | 25°48 | 2°43 | W 8 |
| T 9 | 21 40 47 | 23°39'46 | 3♎22 | 20°55 | 18°52 | 6°18 | 8°19 | 10° 5 | 13°53 | 4° 6 | 26°20 | 21°16 | 19°57 | 25°55 | 2°50 | T 9 |
| F 10 | 21 44 44 | 24°37'43 | 16°44 | 21°51 | 19° 8 | 6°43 | 8°16 | 10°12 | 13°55 | 4° 4 | 26°20 | 21°12 | 19°54 | 26° 1 | 2°57 | F 10 |
| S 11 | 21 48 40 | 25°35'41 | 0♏18 | 22°44 | 19°26 | 7° 8 | 8°12 | 10°20 | 13°57 | 4° 3 | 26°19 | 21° 8 | 19°51 | 26° 8 | 3° 4 | S 11 |
| S 12 | 21 52 37 | 26°33'41 | 14° 5 | 23°34 | 19°46 | 7°32 | 8° 8 | 10°27 | 13°58 | 4° 1 | 26°19 | 21° 6 | 19°47 | 26°15 | 3°11 | S 12 |
| M13 | 21 56 34 | 27°31'42 | 28° 3 | 24°21 | 20° 7 | 7°56 | 8° 3 | 10°35 | 14° 0 | 3°59 | 26°18 | 21°D 5 | 19°44 | 26°21 | 3°18 | M13 |
| T 14 | 22 0 30 | 28°29'45 | 12♐11 | 25° 5 | 20°30 | 8°19 | 7°59 | 10°42 | 14° 1 | 3°58 | 26°18 | 21° 6 | 19°41 | 26°28 | 3°25 | T 14 |
| W15 | 22 4 27 | 29°27'49 | 26°29 | 25°45 | 20°55 | 8°42 | 7°54 | 10°50 | 14° 3 | 3°56 | 26°17 | 21° 7 | 19°38 | 26°35 | 3°32 | W15 |
| T 16 | 22 8 23 | 0♍25'55 | 10♑53 | 26°21 | 21°22 | 9° 4 | 7°49 | 10°57 | 14° 4 | 3°54 | 26°17 | 21° 8 | 19°35 | 26°41 | 3°39 | T 16 |
| F 17 | 22 12 20 | 1°24'02 | 25°22 | 26°52 | 21°50 | 9°25 | 7°45 | 11° 4 | 14° 5 | 3°53 | 26°16 | 21°R 9 | 19°32 | 26°48 | 3°46 | F 17 |
| S 18 | 22 16 16 | 2°22'10 | 9♒50 | 27°19 | 22°20 | 9°46 | 7°39 | 11°12 | 14° 7 | 3°51 | 26°16 | 21° 7 | 19°28 | 26°55 | 3°53 | S 18 |
| S 19 | 22 20 13 | 3°20'20 | 24°11 | 27°42 | 22°51 | 10° 7 | 7°34 | 11°19 | 14° 8 | 3°49 | 26°15 | 21° 4 | 19°25 | 27° 1 | 4° 0 | S 19 |
| M20 | 22 24 9 | 4°18'32 | 8♓22 | 27°59 | 23°24 | 10°27 | 7°29 | 11°26 | 14° 9 | 3°48 | 26°14 | 20°59 | 19°22 | 27° 8 | 4° 7 | M20 |
| T 21 | 22 28 6 | 5°16'45 | 22°16 | 28°11 | 23°58 | 10°46 | 7°23 | 11°34 | 14°10 | 3°46 | 26°14 | 20°52 | 19°19 | 27°15 | 4°14 | T 21 |
| W22 | 22 32 3 | 6°15'01 | 5♈50 | 28°18 | 24°33 | 11° 5 | 7°17 | 11°41 | 14°11 | 3°44 | 26°13 | 20°44 | 19°16 | 27°21 | 4°20 | W22 |
| T 23 | 22 35 59 | 7°13'18 | 19° 2 | 28°R18 | 25°10 | 11°23 | 7°11 | 11°48 | 14°12 | 3°43 | 26°12 | 20°37 | 19°13 | 27°28 | 4°27 | T 23 |
| F 24 | 22 39 56 | 8°11'37 | 1♉52 | 28°12 | 25°48 | 11°41 | 7° 5 | 11°55 | 14°13 | 3°41 | 26°12 | 20°30 | 19° 9 | 27°35 | 4°34 | F 24 |
| S 25 | 22 43 52 | 9° 9'59 | 14°21 | 28° 0 | 26°27 | 11°58 | 6°59 | 12° 3 | 14°14 | 3°40 | 26°11 | 20°26 | 19° 6 | 27°41 | 4°40 | S 25 |
| S 26 | 22 47 49 | 10° 8'23 | 26°33 | 27°41 | 27° 7 | 12°14 | 6°53 | 12°10 | 14°15 | 3°38 | 26°10 | 20°23 | 19° 3 | 27°48 | 4°47 | S 26 |
| M27 | 22 51 45 | 11° 6'49 | 8♊33 | 27°16 | 27°48 | 12°30 | 6°46 | 12°17 | 14°16 | 3°36 | 26° 9 | 20°D21 | 19° 0 | 27°55 | 4°53 | M27 |
| T 28 | 22 55 42 | 12° 5'17 | 20°24 | 26°43 | 28°30 | 12°44 | 6°40 | 12°24 | 14°17 | 3°35 | 26° 9 | 20°22 | 18°57 | 28° 1 | 5° 0 | T 28 |
| W29 | 22 59 38 | 13° 3'47 | 2♋13 | 26° 4 | 29°14 | 12°59 | 6°33 | 12°31 | 14°18 | 3°33 | 26° 8 | 20°23 | 18°53 | 28° 8 | 5° 6 | W29 |
| T 30 | 23 3 35 | 14° 2'20 | 14° 4 | 25°19 | 29°58 | 13°12 | 6°26 | 12°38 | 14°18 | 3°31 | 26° 7 | 20°24 | 18°50 | 28°15 | 5°13 | T 30 |
| F 31 | 23 7 32 | 15♍ 0'54 | 26♋ 2 | 24♍28 | 0♌43 | 13♉25 | 6♈19 | 12♌45 | 14♊19 | 3♓30 | 26♈ 6 | 20°R24 | 18♑47 | 28♊21 | 5♌19 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n 7 | 25n49 | 2n25 | 6n22 | 0s47 | 15n23 | 6s59 | 9n45 | 2s53 | 2n 3 | 1s33 | 18n49 | 0n47 | 22n31 | 0n 0 | 10s49 | 0s55 | 5s30 | 16s50 | 21s47 | 21s58 | 25n38 | 13n56 | 6s 2 |
| T 2 | 15 49 | 24 48 | 1 25 | 5 45 | 0 56 | 15 27 | 6 55 | 9 54 | 2 53 | 2 2 | 1 33 | 18 47 | 0 47 | 22 31 | 0 0 | 10 50 | 0 55 | 5 30 | 16 51 | 21 47 | 21 59 | 25 38 | 13 54 | 6 2 |
| F 3 | 15 32 | 22 39 | 0 20 | 5 8 | 1 6 | 15 32 | 6 51 | 10 4 | 2 53 | 2 0 | 1 33 | 18 45 | 0 47 | 22 32 | 0 0 | 10 50 | 0 55 | 5 31 | 16 51 | 21 47 | 21 59 | 25 37 | 13 52 | 6 2 |
| S 4 | 15 14 | 19 29 | 0s46 | 4 32 | 1 16 | 15 36 | 6 46 | 10 13 | 2 53 | 1 59 | 1 34 | 18 43 | 0 47 | 22 32 | 0 0 | 10 51 | 0 55 | 5 31 | 16 51 | 21 47 | 22 0 | 25 36 | 13 50 | 6 3 |
| S 5 | 14 56 | 15 26 | 1 51 | 3 56 | 1 26 | 15 40 | 6 41 | 10 22 | 2 53 | 1 58 | 1 34 | 18 41 | 0 48 | 22 32 | 0 0 | 10 51 | 0 55 | 5 32 | 16 52 | 21 47 | 22 0 | 25 36 | 13 49 | 6 3 |
| M 6 | 14 37 | 10 40 | 2 51 | 3 21 | 1 36 | 15 44 | 6 36 | 10 31 | 2 53 | 1 56 | 1 34 | 18 39 | 0 48 | 22 32 | 0 0 | 10 52 | 0 55 | 5 32 | 16 52 | 21 48 | 22 1 | 25 35 | 13 47 | 6 3 |
| T 7 | 14 19 | 5 23 | 3 45 | 2 47 | 1 46 | 15 48 | 6 30 | 10 40 | 2 53 | 1 55 | 1 34 | 18 37 | 0 48 | 22 33 | 0 0 | 10 53 | 0 55 | 5 32 | 16 52 | 21 48 | 22 1 | 25 35 | 13 45 | 6 3 |
| W 8 | 14 0 | 0s13 | 4 27 | 2 14 | 1 55 | 15 52 | 6 25 | 10 49 | 2 53 | 1 53 | 1 35 | 18 35 | 0 48 | 22 33 | 0 0 | 10 53 | 0 55 | 5 33 | 16 52 | 21 49 | 22 2 | 25 34 | 13 43 | 6 3 |
| T 9 | 13 41 | 5 53 | 4 57 | 1 42 | 2 5 | 15 56 | 6 19 | 10 57 | 2 53 | 1 52 | 1 35 | 18 33 | 0 48 | 22 33 | 0 0 | 10 54 | 0 55 | 5 33 | 16 53 | 21 50 | 22 2 | 25 34 | 13 42 | 6 3 |
| F 10 | 13 22 | 11 22 | 5 11 | 1 10 | 2 15 | 16 0 | 6 13 | 11 5 | 2 53 | 1 50 | 1 35 | 18 31 | 0 48 | 22 33 | 0 0 | 10 54 | 0 55 | 5 34 | 16 53 | 21 51 | 22 3 | 25 33 | 13 40 | 6 4 |
| S 11 | 13 2 | 16 25 | 5 8 | 0 40 | 2 25 | 16 4 | 6 6 | 11 13 | 2 53 | 1 48 | 1 35 | 18 29 | 0 48 | 22 33 | 0 0 | 10 55 | 0 55 | 5 34 | 16 53 | 21 51 | 22 3 | 25 32 | 13 38 | 6 4 |
| S 12 | 12 42 | 20 41 | 4 47 | 0 12 | 2 35 | 16 8 | 6 0 | 11 21 | 2 52 | 1 46 | 1 36 | 18 27 | 0 48 | 22 34 | 0 0 | 10 56 | 0 55 | 5 35 | 16 54 | 21 52 | 22 3 | 25 32 | 13 36 | 6 4 |
| M13 | 12 22 | 23 51 | 4 9 | 0s16 | 2 44 | 16 11 | 5 53 | 11 29 | 2 52 | 1 44 | 1 36 | 18 25 | 0 48 | 22 34 | 0 0 | 10 56 | 0 55 | 5 35 | 16 54 | 21 52 | 22 4 | 25 31 | 13 35 | 6 4 |
| T 14 | 12 2 | 25 34 | 3 16 | 0 42 | 2 54 | 16 15 | 5 46 | 11 37 | 2 52 | 1 42 | 1 36 | 18 23 | 0 48 | 22 34 | 0 0 | 10 57 | 0 55 | 5 35 | 16 54 | 21 52 | 22 4 | 25 31 | 13 33 | 6 4 |
| W15 | 11 42 | 25 39 | 2 10 | 1 6 | 3 3 | 16 18 | 5 39 | 11 44 | 2 52 | 1 40 | 1 36 | 18 21 | 0 49 | 22 34 | 0 0 | 10 57 | 0 55 | 5 36 | 16 55 | 21 52 | 22 5 | 25 30 | 13 31 | 6 5 |
| T 16 | 11 22 | 24 0 | 0 56 | 1 28 | 3 12 | 16 21 | 5 32 | 11 51 | 2 51 | 1 38 | 1 37 | 18 19 | 0 49 | 22 34 | 0 0 | 10 58 | 0 55 | 5 36 | 16 55 | 21 51 | 22 5 | 25 29 | 13 29 | 6 5 |
| F 17 | 11 1 | 20 46 | 0n23 | 1 49 | 3 20 | 16 24 | 5 25 | 11 59 | 2 51 | 1 36 | 1 37 | 18 18 | 0 49 | 22 35 | 0 0 | 10 59 | 0 55 | 5 37 | 16 55 | 21 51 | 22 6 | 25 29 | 13 27 | 6 5 |
| S 18 | 10 40 | 16 15 | 1 40 | 2 7 | 3 28 | 16 26 | 5 18 | 12 6 | 2 51 | 1 34 | 1 37 | 18 16 | 0 49 | 22 35 | 0 0 | 10 59 | 0 55 | 5 37 | 16 55 | 21 51 | 22 6 | 25 28 | 13 26 | 6 5 |
| S 19 | 10 19 | 10 50 | 2 49 | 2 23 | 3 36 | 16 28 | 5 11 | 12 12 | 2 50 | 1 32 | 1 37 | 18 14 | 0 49 | 22 35 | 0 0 | 11 0 | 0 55 | 5 38 | 16 56 | 21 52 | 22 7 | 25 27 | 13 24 | 6 6 |
| M20 | 9 58 | 4 57 | 3 48 | 2 36 | 3 43 | 16 30 | 5 3 | 12 19 | 2 50 | 1 29 | 1 37 | 18 12 | 0 49 | 22 35 | 0 0 | 11 0 | 0 55 | 5 38 | 16 56 | 21 53 | 22 7 | 25 27 | 13 22 | 6 6 |
| T 21 | 9 37 | 1n 4 | 4 31 | 2 47 | 3 50 | 16 32 | 4 56 | 12 25 | 2 50 | 1 27 | 1 38 | 18 10 | 0 49 | 22 35 | 0 0 | 11 1 | 0 55 | 5 39 | 16 56 | 21 54 | 22 8 | 25 26 | 13 20 | 6 6 |
| W22 | 9 15 | 6 53 | 4 58 | 2 55 | 3 55 | 16 33 | 4 49 | 12 31 | 2 49 | 1 24 | 1 38 | 18 8 | 0 49 | 22 35 | 0 0 | 11 2 | 0 55 | 5 39 | 16 56 | 21 55 | 22 8 | 25 25 | 13 18 | 6 6 |
| T 23 | 8 53 | 12 13 | 5 8 | 3 0 | 4 0 | 16 34 | 4 41 | 12 37 | 2 49 | 1 22 | 1 38 | 18 6 | 0 49 | 22 35 | 0 0 | 11 2 | 0 55 | 5 40 | 16 57 | 21 56 | 22 9 | 25 25 | 13 16 | 6 7 |
| F 24 | 8 32 | 16 53 | 5 2 | 3 1 | 4 4 | 16 35 | 4 34 | 12 43 | 2 48 | 1 19 | 1 38 | 18 4 | 0 50 | 22 36 | 0 0 | 11 3 | 0 55 | 5 40 | 16 57 | 21 57 | 22 9 | 25 24 | 13 15 | 6 7 |
| S 25 | 8 10 | 20 41 | 4 42 | 2 59 | 4 7 | 16 35 | 4 26 | 12 49 | 2 48 | 1 17 | 1 38 | 18 2 | 0 50 | 22 36 | 0 0 | 11 3 | 0 55 | 5 41 | 16 57 | 21 58 | 22 9 | 25 23 | 13 13 | 6 7 |
| S 26 | 7 48 | 23 29 | 4 9 | 2 53 | 4 9 | 16 35 | 4 19 | 12 55 | 2 47 | 1 14 | 1 39 | 18 0 | 0 50 | 22 36 | 0 0 | 11 4 | 0 55 | 5 41 | 16 57 | 21 58 | 22 10 | 25 22 | 13 11 | 6 8 |
| M27 | 7 25 | 25 12 | 3 26 | 2 43 | 4 10 | 16 34 | 4 11 | 13 0 | 2 46 | 1 11 | 1 39 | 17 58 | 0 50 | 22 36 | 0 0 | 11 5 | 0 55 | 5 42 | 16 58 | 21 58 | 22 10 | 25 22 | 13 9 | 6 8 |
| T 28 | 7 3 | 25 45 | 2 34 | 2 29 | 4 8 | 16 33 | 4 4 | 13 5 | 2 46 | 1 9 | 1 39 | 17 57 | 0 50 | 22 36 | 0 0 | 11 5 | 0 55 | 5 42 | 16 58 | 21 58 | 22 11 | 25 21 | 13 7 | 6 8 |
| W29 | 6 41 | 25 7 | 1 36 | 2 11 | 4 6 | 16 32 | 3 56 | 13 10 | 2 45 | 1 6 | 1 39 | 17 55 | 0 50 | 22 36 | 0 0 | 11 6 | 0 55 | 5 42 | 16 58 | 21 58 | 22 11 | 25 20 | 13 5 | 6 9 |
| T 30 | 6 18 | 23 21 | 0 34 | 1 49 | 4 1 | 16 30 | 3 49 | 13 15 | 2 44 | 1 3 | 1 39 | 17 53 | 0 50 | 22 36 | 0 0 | 11 6 | 0 55 | 5 43 | 16 58 | 21 58 | 22 12 | 25 20 | 13 4 | 6 9 |
| F 31 | 5n55 | 20n31 | 0s30 | 1s23 | 3s55 | 16n28 | 3s41 | 13n19 | 2s44 | 1n 0 | 1s39 | 17n51 | 0n50 | 22n36 | 0n 0 | 11s 7 | 0s55 | 5s43 | 16s59 | 21s58 | 22s12 | 25n19 | 13n 2 | 6s 9 |

Julian Day Number = 2217279.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'37, Lahiri = 14°54'37 Julian Calendar 1 Aug. 1358 == Greg. Calendar 9 Aug. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## SEPTEMBER 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 11 28 | 15♍59'31 | 8♌13 | 23°R32 | 1♌30 | 13♉37 | 6°R12 | 12♌52 | 14♊20 | 3°R28 | 26°R 6 | 20°R22 | 18♐44 | 28♊28 | 5♌26 | S 1 |
| S 2 | 23 15 25 | 16°58'10 | 20°38 | 22♍32 | 2°17 | 13°49 | 6♈ 5 | 12°59 | 14°20 | 3♓27 | 26♈ 5 | 20♐18 | 18°41 | 28°35 | 5°32 | S 2 |
| M 3 | 23 19 21 | 17°56'51 | 3♍20 | 21°29 | 3° 5 | 13°59 | 5°58 | 13° 5 | 14°21 | 3°25 | 26° 4 | 20°12 | 18°38 | 28°41 | 5°38 | M 3 |
| T 4 | 23 23 18 | 18°55'34 | 16°21 | 20°24 | 3°53 | 14° 9 | 5°50 | 13°12 | 14°21 | 3°23 | 26° 3 | 20° 3 | 18°34 | 28°48 | 5°44 | T 4 |
| W 5 | 23 27 14 | 19°54'19 | 29°39 | 19°20 | 4°43 | 14°18 | 5°43 | 13°19 | 14°22 | 3°22 | 26° 2 | 19°53 | 18°31 | 28°55 | 5°50 | W 5 |
| T 6 | 23 31 11 | 20°53'05 | 13♎12 | 18°16 | 5°33 | 14°26 | 5°36 | 13°25 | 14°22 | 3°20 | 26° 1 | 19°43 | 18°28 | 29° 1 | 5°57 | T 6 |
| F 7 | 23 35 7 | 21°51'54 | 26°58 | 17°16 | 6°24 | 14°34 | 5°28 | 13°32 | 14°22 | 3°19 | 26° 0 | 19°33 | 18°25 | 29° 8 | 6° 3 | F 7 |
| S 8 | 23 39 4 | 22°50'45 | 10♏53 | 16°21 | 7°16 | 14°40 | 5°20 | 13°39 | 14°22 | 3°17 | 25°59 | 19°25 | 18°22 | 29°14 | 6° 9 | S 8 |
| S 9 | 23 43 0 | 23°49'38 | 24°54 | 15°31 | 8° 8 | 14°46 | 5°12 | 13°45 | 14°23 | 3°16 | 25°58 | 19°19 | 18°19 | 29°21 | 6°14 | S 9 |
| M10 | 23 46 57 | 24°48'32 | 8♐59 | 14°50 | 9° 1 | 14°51 | 5° 5 | 13°52 | 14°23 | 3°14 | 25°58 | 19°16 | 18°15 | 29°28 | 6°20 | M10 |
| T 11 | 23 50 54 | 25°47'28 | 23° 6 | 14°17 | 9°55 | 14°55 | 4°57 | 13°58 | 14°23 | 3°13 | 25°57 | 19°D15 | 18°12 | 29°34 | 6°26 | T 11 |
| W12 | 23 54 50 | 26°46'26 | 7♑13 | 13°53 | 10°49 | 14°58 | 4°49 | 14° 4 | 14°R23 | 3°11 | 25°56 | 19°15 | 18° 9 | 29°41 | 6°32 | W12 |
| T 13 | 23 58 47 | 27°45'26 | 21°20 | 13°39 | 11°44 | 15° 1 | 4°41 | 14°11 | 14°23 | 3°10 | 25°55 | 19°R15 | 18° 6 | 29°48 | 6°38 | T 13 |
| F 14 | 0 2 43 | 28°44'27 | 5♒25 | 13°D36 | 12°40 | 15° 2 | 4°33 | 14°17 | 14°23 | 3° 8 | 25°54 | 19°15 | 18° 3 | 29°54 | 6°43 | F 14 |
| S 15 | 0 6 40 | 29°43'31 | 19°26 | 13°43 | 13°36 | 15°R 3 | 4°25 | 14°23 | 14°23 | 3° 7 | 25°53 | 19°11 | 17°59 | 0♋ 1 | 6°49 | S 15 |
| S 16 | 0 10 36 | 0♎42'36 | 3♓22 | 14° 0 | 14°32 | 15° 3 | 4°17 | 14°29 | 14°22 | 3° 5 | 25°52 | 19° 5 | 17°56 | 0° 8 | 6°54 | S 16 |
| M17 | 0 14 33 | 1°41'43 | 17° 9 | 14°27 | 15°29 | 15° 2 | 4° 9 | 14°35 | 14°22 | 3° 4 | 25°51 | 18°57 | 17°53 | 0°14 | 7° 0 | M17 |
| T 18 | 0 18 29 | 2°40'51 | 0♈44 | 15° 4 | 16°27 | 15° 0 | 4° 1 | 14°41 | 14°22 | 3° 3 | 25°50 | 18°46 | 17°50 | 0°21 | 7° 5 | T 18 |
| W19 | 0 22 26 | 3°40'02 | 14° 3 | 15°50 | 17°25 | 14°57 | 3°53 | 14°47 | 14°22 | 3° 1 | 25°49 | 18°33 | 17°47 | 0°28 | 7°10 | W19 |
| T 20 | 0 26 23 | 4°39'15 | 27° 5 | 16°43 | 18°24 | 14°53 | 3°45 | 14°53 | 14°21 | 3° 0 | 25°48 | 18°21 | 17°44 | 0°34 | 7°16 | T 20 |
| F 21 | 0 30 19 | 5°38'31 | 9♉49 | 17°45 | 19°23 | 14°49 | 3°37 | 14°59 | 14°21 | 2°59 | 25°47 | 18°10 | 17°40 | 0°41 | 7°21 | F 21 |
| S 22 | 0 34 16 | 6°37'48 | 22°15 | 18°52 | 20°22 | 14°43 | 3°29 | 15° 5 | 14°20 | 2°57 | 25°45 | 18° 0 | 17°37 | 0°48 | 7°26 | S 22 |
| S 23 | 0 38 12 | 7°37'08 | 4♊26 | 20° 6 | 21°22 | 14°37 | 3°20 | 15°11 | 14°20 | 2°56 | 25°44 | 17°54 | 17°34 | 0°54 | 7°31 | S 23 |
| M24 | 0 42 9 | 8°36'30 | 16°24 | 21°25 | 22°22 | 14°29 | 3°12 | 15°16 | 14°19 | 2°55 | 25°43 | 17°50 | 17°31 | 1° 1 | 7°36 | M24 |
| T 25 | 0 46 5 | 9°35'55 | 28°14 | 22°49 | 23°23 | 14°21 | 3° 4 | 15°22 | 14°19 | 2°53 | 25°42 | 17°48 | 17°28 | 1° 8 | 7°41 | T 25 |
| W26 | 0 50 2 | 10°35'22 | 10♋ 2 | 24°16 | 24°25 | 14°12 | 2°57 | 15°27 | 14°18 | 2°52 | 25°41 | 17°47 | 17°25 | 1°14 | 7°46 | W26 |
| T 27 | 0 53 58 | 11°34'51 | 21°53 | 25°46 | 25°26 | 14° 2 | 2°49 | 15°33 | 14°17 | 2°51 | 25°40 | 17°47 | 17°21 | 1°21 | 7°50 | T 27 |
| F 28 | 0 57 55 | 12°34'23 | 3♌52 | 27°20 | 26°28 | 13°51 | 2°41 | 15°38 | 14°16 | 2°50 | 25°39 | 17°47 | 17°18 | 1°27 | 7°55 | F 28 |
| S 29 | 1 1 52 | 13°33'56 | 16° 5 | 28°55 | 27°30 | 13°40 | 2°33 | 15°43 | 14°15 | 2°49 | 25°38 | 17°44 | 17°15 | 1°34 | 7°59 | S 29 |
| S 30 | 1 5 48 | 14♎33'32 | 28♌36 | 0♎32 | 28♌33 | 13♉27 | 2♈25 | 15♌48 | 14♊15 | 2♓47 | 25♈37 | 17♐39 | 17♐12 | 1♋41 | 8♌ 4 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n33 | 16n46 | 1s34 | 0s53 | 3s46 | 16n25 | 3s34 | 13n24 | 2s43 | 0n57 | 1s39 | 17n49 | 0n51 | 22n36 | 0n 0 | 11s 8 | 0s55 | 5s44 | 16s59 | 21s58 | 22s13 | 25n18 | 13n 0 | 6s10 |
| S 2 | 5 10 | 12 13 | 2 35 | 0 20 | 3 36 | 16 22 | 3 26 | 13 28 | 2 42 | 0 54 | 1 40 | 17 47 | 0 51 | 22 36 | 0 0 | 11 8 | 0 55 | 5 44 | 16 59 | 21 59 | 22 13 | 25 17 | 12 58 | 6 10 |
| M 3 | 4 47 | 7 4 | 3 29 | 0n16 | 3 24 | 16 19 | 3 19 | 13 32 | 2 41 | 0 51 | 1 40 | 17 45 | 0 51 | 22 37 | 0 0 | 11 9 | 0 55 | 5 45 | 16 59 | 22 0 | 22 13 | 25 17 | 12 56 | 6 10 |
| T 4 | 4 24 | 1 31 | 4 13 | 0 54 | 3 10 | 16 15 | 3 12 | 13 36 | 2 40 | 0 48 | 1 40 | 17 44 | 0 51 | 22 37 | 0 0 | 11 9 | 0 55 | 5 45 | 16 59 | 22 1 | 22 14 | 25 16 | 12 54 | 6 11 |
| W 5 | 4 1 | 4s13 | 4 45 | 1 34 | 2 54 | 16 10 | 3 4 | 13 39 | 2 39 | 0 45 | 1 40 | 17 42 | 0 51 | 22 37 | 0 0 | 11 10 | 0 55 | 5 46 | 17 0 | 22 3 | 22 14 | 25 15 | 12 53 | 6 11 |
| T 6 | 3 38 | 9 51 | 5 2 | 2 15 | 2 37 | 16 5 | 2 57 | 13 43 | 2 38 | 0 42 | 1 40 | 17 40 | 0 51 | 22 37 | 0 0 | 11 11 | 0 55 | 5 46 | 17 0 | 22 4 | 22 15 | 25 14 | 12 51 | 6 12 |
| F 7 | 3 14 | 15 6 | 5 1 | 2 55 | 2 18 | 16 0 | 2 50 | 13 46 | 2 37 | 0 39 | 1 40 | 17 38 | 0 51 | 22 37 | 0 0 | 11 11 | 0 55 | 5 47 | 17 0 | 22 6 | 22 15 | 25 13 | 12 49 | 6 12 |
| S 8 | 2 51 | 19 37 | 4 43 | 3 35 | 1 59 | 15 54 | 2 43 | 13 49 | 2 36 | 0 36 | 1 40 | 17 37 | 0 51 | 22 37 | 0 0 | 11 12 | 0 55 | 5 47 | 17 0 | 22 7 | 22 16 | 25 13 | 12 47 | 6 12 |
| S 9 | 2 28 | 23 4 | 4 8 | 4 12 | 1 39 | 15 47 | 2 36 | 13 52 | 2 35 | 0 33 | 1 40 | 17 35 | 0 52 | 22 37 | 0 0 | 11 12 | 0 55 | 5 48 | 17 0 | 22 8 | 22 16 | 25 12 | 12 45 | 6 13 |
| M10 | 2 4 | 25 7 | 3 17 | 4 47 | 1 19 | 15 41 | 2 28 | 13 54 | 2 33 | 0 29 | 1 40 | 17 33 | 0 52 | 22 37 | 0 0 | 11 13 | 0 55 | 5 48 | 17 1 | 22 8 | 22 16 | 25 11 | 12 43 | 6 13 |
| T 11 | 1 41 | 25 35 | 2 15 | 5 18 | 0 59 | 15 33 | 2 21 | 13 57 | 2 32 | 0 26 | 1 40 | 17 31 | 0 52 | 22 37 | 0 1 | 11 13 | 0 55 | 5 49 | 17 1 | 22 8 | 22 17 | 25 10 | 12 42 | 6 14 |
| W12 | 1 17 | 24 23 | 1 4 | 5 46 | 0 39 | 15 25 | 2 14 | 13 59 | 2 31 | 0 23 | 1 40 | 17 30 | 0 52 | 22 37 | 0 1 | 11 14 | 0 55 | 5 49 | 17 1 | 22 8 | 22 17 | 25 9 | 12 40 | 6 14 |
| T 13 | 0 54 | 21 39 | 0n11 | 6 8 | 0 20 | 15 17 | 2 7 | 14 1 | 2 29 | 0 20 | 1 40 | 17 28 | 0 52 | 22 37 | 0 1 | 11 14 | 0 55 | 5 50 | 17 1 | 22 8 | 22 18 | 25 9 | 12 38 | 6 15 |
| F 14 | 0 30 | 17 37 | 1 25 | 6 27 | 0 2 | 15 8 | 2 1 | 14 3 | 2 28 | 0 17 | 1 41 | 17 26 | 0 52 | 22 37 | 0 1 | 11 15 | 0 55 | 5 50 | 17 1 | 22 8 | 22 18 | 25 8 | 12 36 | 6 15 |
| S 15 | 0 7 | 12 37 | 2 33 | 6 40 | 0n15 | 14 59 | 1 54 | 14 5 | 2 26 | 0 13 | 1 41 | 17 25 | 0 52 | 22 37 | 0 1 | 11 15 | 0 55 | 5 51 | 17 1 | 22 9 | 22 19 | 25 7 | 12 34 | 6 16 |
| S 16 | 0s17 | 7 1 | 3 31 | 6 48 | 0 31 | 14 49 | 1 47 | 14 6 | 2 25 | 0 10 | 1 41 | 17 23 | 0 53 | 22 37 | 0 1 | 11 16 | 0 55 | 5 51 | 17 1 | 22 10 | 22 19 | 25 6 | 12 33 | 6 16 |
| M17 | 0 41 | 1 9 | 4 17 | 6 51 | 0 46 | 14 39 | 1 40 | 14 7 | 2 23 | 0 7 | 1 41 | 17 21 | 0 53 | 22 37 | 0 1 | 11 16 | 0 55 | 5 52 | 17 2 | 22 11 | 22 19 | 25 5 | 12 31 | 6 16 |
| T 18 | 1 4 | 4n40 | 4 47 | 6 49 | 0 59 | 14 28 | 1 34 | 14 8 | 2 21 | 0 4 | 1 41 | 17 20 | 0 53 | 22 37 | 0 1 | 11 17 | 0 55 | 5 52 | 17 2 | 22 12 | 22 20 | 25 4 | 12 29 | 6 17 |
| W19 | 1 28 | 10 10 | 5 0 | 6 42 | 1 11 | 14 17 | 1 27 | 14 9 | 2 20 | 0 1 | 1 41 | 17 18 | 0 53 | 22 37 | 0 1 | 11 17 | 0 55 | 5 53 | 17 2 | 22 14 | 22 20 | 25 3 | 12 27 | 6 17 |
| T 20 | 1 51 | 15 6 | 4 58 | 6 30 | 1 21 | 14 5 | 1 21 | 14 10 | 2 18 | 0s 3 | 1 41 | 17 16 | 0 53 | 22 37 | 0 1 | 11 18 | 0 55 | 5 53 | 17 2 | 22 16 | 22 21 | 25 3 | 12 25 | 6 18 |
| F 21 | 2 15 | 19 14 | 4 40 | 6 15 | 1 30 | 13 53 | 1 15 | 14 10 | 2 16 | 0 6 | 1 41 | 17 15 | 0 53 | 22 37 | 0 1 | 11 18 | 0 55 | 5 54 | 17 2 | 22 17 | 22 21 | 25 2 | 12 24 | 6 18 |
| S 22 | 2 38 | 22 25 | 4 10 | 5 55 | 1 38 | 13 40 | 1 8 | 14 11 | 2 14 | 0 9 | 1 41 | 17 13 | 0 54 | 22 37 | 0 1 | 11 19 | 0 55 | 5 54 | 17 2 | 22 18 | 22 22 | 25 1 | 12 22 | 6 19 |
| S 23 | 3 2 | 24 31 | 3 28 | 5 32 | 1 45 | 13 27 | 1 2 | 14 11 | 2 12 | 0 12 | 1 40 | 17 12 | 0 54 | 22 37 | 0 1 | 11 19 | 0 55 | 5 54 | 17 2 | 22 19 | 22 22 | 25 0 | 12 20 | 6 19 |
| M24 | 3 25 | 25 27 | 2 38 | 5 6 | 1 50 | 13 13 | 0 56 | 14 10 | 2 10 | 0 15 | 1 40 | 17 10 | 0 54 | 22 37 | 0 1 | 11 20 | 0 55 | 5 55 | 17 2 | 22 20 | 22 22 | 24 59 | 12 18 | 6 20 |
| T 25 | 3 49 | 25 12 | 1 42 | 4 36 | 1 54 | 12 59 | 0 50 | 14 10 | 2 8 | 0 18 | 1 40 | 17 9 | 0 54 | 22 36 | 0 1 | 11 20 | 0 55 | 5 55 | 17 2 | 22 20 | 22 23 | 24 58 | 12 17 | 6 21 |
| W26 | 4 12 | 23 49 | 0 41 | 4 4 | 1 57 | 12 44 | 0 44 | 14 10 | 2 5 | 0 22 | 1 40 | 17 7 | 0 54 | 22 36 | 0 1 | 11 21 | 0 55 | 5 56 | 17 3 | 22 20 | 22 23 | 24 57 | 12 15 | 6 21 |
| T 27 | 4 36 | 21 23 | 0s22 | 3 30 | 1 58 | 12 29 | 0 38 | 14 9 | 2 3 | 0 25 | 1 40 | 17 6 | 0 54 | 22 36 | 0 1 | 11 21 | 0 55 | 5 56 | 17 3 | 22 20 | 22 24 | 24 56 | 12 13 | 6 22 |
| F 28 | 4 59 | 17 59 | 1 24 | 2 54 | 1 59 | 12 14 | 0 32 | 14 8 | 2 1 | 0 28 | 1 40 | 17 4 | 0 54 | 22 36 | 0 1 | 11 21 | 0 55 | 5 57 | 17 3 | 22 20 | 22 24 | 24 55 | 12 12 | 6 22 |
| S 29 | 5 22 | 13 47 | 2 24 | 2 16 | 1 59 | 11 58 | 0 27 | 14 7 | 1 58 | 0 31 | 1 40 | 17 3 | 0 55 | 22 36 | 0 1 | 11 22 | 0 55 | 5 57 | 17 3 | 22 21 | 22 24 | 24 54 | 12 10 | 6 23 |
| S 30 | 5s45 | 8n54 | 3s18 | 1n36 | 1n59 | 11n41 | 0s21 | 14n 5 | 1s56 | 0s34 | 1s40 | 17n 2 | 0n55 | 22n36 | 0n 1 | 11s22 | 0s55 | 5s58 | 17s 3 | 22s21 | 22s25 | 24n54 | 12n 8 | 6s23 |

Julian Day Number = 2217310.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'25, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'41, Lahiri = 14°54'41 Julian Calendar 1 Sept. 1358 == Greg. Calendar 9 Sept. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## OCTOBER 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 9 45 | 15♎33'11 | 11♍29 | 2♎11 | 29♌36 | 13°R14 | 2°R18 | 15♌54 | 14°R14 | 2°R46 | 25°R36 | 17°R31 | 17♑ 9 | 1♋47 | 8♌ 8 | M 1 |
| T 2 | 1 13 41 | 16°32'51 | 24°44 | 3°50 | 0♍40 | 13♉ 0 | 2♈10 | 15°59 | 14♊13 | 2♓45 | 25♈35 | 17♑21 | 17° 5 | 1°54 | 8°13 | T 2 |
| W 3 | 1 17 38 | 17°32'34 | 8♎22 | 5°31 | 1°43 | 12°45 | 2° 2 | 16° 4 | 14°12 | 2°44 | 25°33 | 17° 9 | 17° 2 | 2° 1 | 8°17 | W 3 |
| T 4 | 1 21 34 | 18°32'18 | 22°20 | 7°12 | 2°47 | 12°29 | 1°55 | 16° 8 | 14°10 | 2°43 | 25°32 | 16°56 | 16°59 | 2° 7 | 8°21 | T 4 |
| F 5 | 1 25 31 | 19°32'05 | 6♏33 | 8°53 | 3°52 | 12°13 | 1°48 | 16°13 | 14° 9 | 2°42 | 25°31 | 16°44 | 16°56 | 2°14 | 8°25 | F 5 |
| S 6 | 1 29 27 | 20°31'54 | 20°55 | 10°35 | 4°56 | 11°56 | 1°40 | 16°18 | 14° 8 | 2°41 | 25°30 | 16°34 | 16°53 | 2°21 | 8°29 | S 6 |
| S 7 | 1 33 24 | 21°31'44 | 5♐20 | 12°16 | 6° 1 | 11°39 | 1°33 | 16°23 | 14° 7 | 2°40 | 25°29 | 16°27 | 16°50 | 2°27 | 8°33 | S 7 |
| M 8 | 1 37 21 | 22°31'37 | 19°44 | 13°58 | 7° 6 | 11°21 | 1°26 | 16°27 | 14° 6 | 2°39 | 25°28 | 16°22 | 16°46 | 2°34 | 8°37 | M 8 |
| T 9 | 1 41 17 | 23°31'31 | 4♑ 2 | 15°39 | 8°12 | 11° 2 | 1°19 | 16°32 | 14° 4 | 2°38 | 25°27 | 16°21 | 16°43 | 2°41 | 8°41 | T 9 |
| W10 | 1 45 14 | 24°31'26 | 18°11 | 17°20 | 9°18 | 10°43 | 1°12 | 16°36 | 14° 3 | 2°38 | 25°26 | 16°20 | 16°40 | 2°47 | 8°44 | W10 |
| T 11 | 1 49 10 | 25°31'24 | 2♒12 | 19° 1 | 10°24 | 10°23 | 1° 6 | 16°40 | 14° 2 | 2°37 | 25°24 | 16°20 | 16°37 | 2°54 | 8°48 | T 11 |
| F 12 | 1 53 7 | 26°31'23 | 16° 3 | 20°42 | 11°30 | 10° 3 | 0°59 | 16°45 | 14° 0 | 2°36 | 25°23 | 16°19 | 16°34 | 3° 1 | 8°51 | F 12 |
| S 13 | 1 57 3 | 27°31'23 | 29°44 | 22°22 | 12°36 | 9°43 | 0°53 | 16°49 | 13°59 | 2°35 | 25°22 | 16°16 | 16°30 | 3° 7 | 8°55 | S 13 |
| S 14 | 2 1 0 | 28°31'25 | 13♓16 | 24° 2 | 13°43 | 9°22 | 0°46 | 16°53 | 13°57 | 2°34 | 25°21 | 16° 9 | 16°27 | 3°14 | 8°58 | S 14 |
| M15 | 2 4 56 | 29°31'29 | 26°38 | 25°41 | 14°50 | 9° 1 | 0°40 | 16°57 | 13°55 | 2°34 | 25°20 | 16° 0 | 16°24 | 3°21 | 9° 1 | M15 |
| T 16 | 2 8 53 | 0♏31'35 | 9♈49 | 27°20 | 15°57 | 8°40 | 0°34 | 17° 1 | 13°54 | 2°33 | 25°19 | 15°49 | 16°21 | 3°27 | 9° 4 | T 16 |
| W17 | 2 12 50 | 1°31'42 | 22°48 | 28°59 | 17° 4 | 8°19 | 0°28 | 17° 4 | 13°52 | 2°32 | 25°18 | 15°36 | 16°18 | 3°34 | 9° 7 | W17 |
| T 18 | 2 16 46 | 2°31'51 | 5♉33 | 0♏37 | 18°12 | 7°57 | 0°23 | 17° 8 | 13°50 | 2°32 | 25°16 | 15°23 | 16°15 | 3°40 | 9°10 | T 18 |
| F 19 | 2 20 43 | 3°32'02 | 18° 4 | 2°15 | 19°20 | 7°36 | 0°17 | 17°12 | 13°49 | 2°31 | 25°15 | 15°11 | 16°11 | 3°47 | 9°13 | F 19 |
| S 20 | 2 24 39 | 4°32'15 | 0♊21 | 3°52 | 20°28 | 7°14 | 0°12 | 17°15 | 13°47 | 2°30 | 25°14 | 15° 1 | 16° 8 | 3°54 | 9°16 | S 20 |
| S 21 | 2 28 36 | 5°32'30 | 12°27 | 5°29 | 21°36 | 6°53 | 0° 7 | 17°18 | 13°45 | 2°30 | 25°13 | 14°54 | 16° 5 | 4° 0 | 9°19 | S 21 |
| M22 | 2 32 32 | 6°32'47 | 24°22 | 7° 6 | 22°45 | 6°31 | 0° 2 | 17°22 | 13°43 | 2°29 | 25°12 | 14°49 | 16° 2 | 4° 7 | 9°21 | M22 |
| T 23 | 2 36 29 | 7°33'05 | 6♋11 | 8°42 | 23°53 | 6°10 | 29♓57 | 17°25 | 13°41 | 2°29 | 25°11 | 14°47 | 15°59 | 4°14 | 9°24 | T 23 |
| W24 | 2 40 25 | 8°33'26 | 17°57 | 10°18 | 25° 2 | 5°49 | 29°52 | 17°28 | 13°39 | 2°28 | 25°10 | 14°D47 | 15°56 | 4°20 | 9°26 | W24 |
| T 25 | 2 44 22 | 9°33'49 | 29°46 | 11°54 | 26°11 | 5°28 | 29°47 | 17°31 | 13°38 | 2°28 | 25° 9 | 14°47 | 15°52 | 4°27 | 9°28 | T 25 |
| F 26 | 2 48 19 | 10°34'13 | 11♌44 | 13°29 | 27°20 | 5° 7 | 29°43 | 17°34 | 13°36 | 2°28 | 25° 8 | 14°R48 | 15°49 | 4°34 | 9°30 | F 26 |
| S 27 | 2 52 15 | 11°34'40 | 23°55 | 15° 4 | 28°30 | 4°47 | 29°39 | 17°37 | 13°33 | 2°27 | 25° 7 | 14°47 | 15°46 | 4°40 | 9°32 | S 27 |
| S 28 | 2 56 12 | 12°35'08 | 6♍25 | 16°38 | 29°39 | 4°27 | 29°35 | 17°39 | 13°31 | 2°27 | 25° 5 | 14°44 | 15°43 | 4°47 | 9°34 | S 28 |
| M29 | 3 0 8 | 13°35'38 | 19°19 | 18°13 | 0♎49 | 4° 7 | 29°31 | 17°42 | 13°29 | 2°27 | 25° 4 | 14°39 | 15°40 | 4°54 | 9°36 | M29 |
| T 30 | 3 4 5 | 14°36'10 | 2♎39 | 19°47 | 1°59 | 3°48 | 29°28 | 17°44 | 13°27 | 2°26 | 25° 3 | 14°31 | 15°36 | 5° 0 | 9°38 | T 30 |
| W31 | 3 8 1 | 15♏36'44 | 16♎25 | 21♏21 | 3♎ 9 | 3♉30 | 29♓24 | 17♌47 | 13♊25 | 2♓26 | 25♈ 2 | 14♑22 | 15♑33 | 5♋ 7 | 9♌39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s 9 | 3n32 | 4s 4 | 0n55 | 1n57 | 11n24 | 0s16 | 14n 4 | 1s53 | 0s37 | 1s40 | 17n 0 | 0n55 | 22n36 | 0n 1 | 11s23 | 0s55 | 5s58 | 17s 3 | 22s22 | 22s25 | 24n53 | 12n 7 | 6s24 |
| T 2 | 6 32 | 2s 9 | 4 38 | 0 14 | 1 55 | 11 7 | 0 10 | 14 2 | 1 51 | 0 40 | 1 40 | 16 59 | 0 55 | 22 36 | 0 1 | 11 23 | 0 55 | 5 58 | 17 3 | 22 24 | 22 26 | 24 52 | 12 5 | 6 24 |
| W 3 | 6 55 | 7 52 | 4 57 | 0s29 | 1 53 | 10 49 | 0 5 | 14 0 | 1 48 | 0 43 | 1 40 | 16 57 | 0 55 | 22 36 | 0 1 | 11 23 | 0 55 | 5 59 | 17 3 | 22 25 | 22 26 | 24 51 | 12 3 | 6 25 |
| T 4 | 7 17 | 13 20 | 4 59 | 1 11 | 1 49 | 10 31 | 0n 0 | 13 58 | 1 45 | 0 45 | 1 40 | 16 56 | 0 55 | 22 36 | 0 1 | 11 24 | 0 55 | 5 59 | 17 3 | 22 27 | 22 26 | 24 50 | 12 2 | 6 26 |
| F 5 | 7 40 | 18 12 | 4 43 | 1 55 | 1 46 | 10 13 | 0 6 | 13 56 | 1 43 | 0 48 | 1 39 | 16 55 | 0 56 | 22 36 | 0 1 | 11 24 | 0 55 | 6 0 | 17 3 | 22 28 | 22 27 | 24 49 | 12 0 | 6 26 |
| S 6 | 8 3 | 22 2 | 4 9 | 2 39 | 1 42 | 9 54 | 0 11 | 13 53 | 1 40 | 0 51 | 1 39 | 16 54 | 0 56 | 22 35 | 0 1 | 11 25 | 0 55 | 6 0 | 17 3 | 22 30 | 22 27 | 24 48 | 11 59 | 6 27 |
| S 7 | 8 25 | 24 31 | 3 19 | 3 23 | 1 37 | 9 34 | 0 15 | 13 51 | 1 37 | 0 54 | 1 39 | 16 52 | 0 56 | 22 35 | 0 1 | 11 25 | 0 55 | 6 1 | 17 3 | 22 30 | 22 28 | 24 47 | 11 57 | 6 27 |
| M 8 | 8 48 | 25 23 | 2 16 | 4 7 | 1 32 | 9 15 | 0 20 | 13 48 | 1 34 | 0 56 | 1 39 | 16 51 | 0 56 | 22 35 | 0 1 | 11 25 | 0 55 | 6 1 | 17 3 | 22 31 | 22 28 | 24 46 | 11 55 | 6 28 |
| T 9 | 9 10 | 24 32 | 1 5 | 4 51 | 1 27 | 8 55 | 0 25 | 13 45 | 1 31 | 0 59 | 1 39 | 16 50 | 0 56 | 22 35 | 0 1 | 11 25 | 0 55 | 6 1 | 17 3 | 22 31 | 22 28 | 24 45 | 11 54 | 6 29 |
| W10 | 9 32 | 22 7 | 0n10 | 5 34 | 1 22 | 8 34 | 0 30 | 13 42 | 1 28 | 1 2 | 1 39 | 16 49 | 0 57 | 22 35 | 0 1 | 11 26 | 0 55 | 6 2 | 17 3 | 22 31 | 22 29 | 24 44 | 11 52 | 6 29 |
| T 11 | 9 54 | 18 24 | 1 23 | 6 18 | 1 16 | 8 13 | 0 34 | 13 39 | 1 24 | 1 4 | 1 39 | 16 48 | 0 57 | 22 35 | 0 1 | 11 26 | 0 55 | 6 2 | 17 3 | 22 31 | 22 29 | 24 43 | 11 51 | 6 30 |
| F 12 | 10 16 | 13 42 | 2 30 | 7 2 | 1 10 | 7 52 | 0 39 | 13 36 | 1 21 | 1 7 | 1 38 | 16 47 | 0 57 | 22 34 | 0 1 | 11 26 | 0 55 | 6 2 | 17 3 | 22 31 | 22 30 | 24 42 | 11 49 | 6 30 |
| S 13 | 10 38 | 8 21 | 3 28 | 7 45 | 1 4 | 7 31 | 0 43 | 13 32 | 1 18 | 1 9 | 1 38 | 16 46 | 0 57 | 22 34 | 0 1 | 11 27 | 0 55 | 6 3 | 17 3 | 22 32 | 22 30 | 24 41 | 11 48 | 6 31 |
| S 14 | 10 59 | 2 42 | 4 14 | 8 27 | 0 58 | 7 9 | 0 47 | 13 29 | 1 15 | 1 11 | 1 38 | 16 44 | 0 57 | 22 34 | 0 1 | 11 27 | 0 55 | 6 3 | 17 3 | 22 33 | 22 30 | 24 40 | 11 47 | 6 32 |
| M15 | 11 21 | 3n 0 | 4 44 | 9 10 | 0 52 | 6 47 | 0 51 | 13 26 | 1 12 | 1 14 | 1 38 | 16 43 | 0 57 | 22 34 | 0 1 | 11 27 | 0 55 | 6 4 | 17 3 | 22 34 | 22 31 | 24 39 | 11 45 | 6 32 |
| T 16 | 11 42 | 8 29 | 4 59 | 9 51 | 0 45 | 6 24 | 0 55 | 13 22 | 1 8 | 1 16 | 1 38 | 16 42 | 0 58 | 22 34 | 0 1 | 11 27 | 0 55 | 6 4 | 17 3 | 22 35 | 22 31 | 24 38 | 11 44 | 6 33 |
| W17 | 12 3 | 13 31 | 4 59 | 10 33 | 0 39 | 6 2 | 0 59 | 13 18 | 1 5 | 1 18 | 1 37 | 16 41 | 0 58 | 22 34 | 0 1 | 11 28 | 0 55 | 6 4 | 17 3 | 22 36 | 22 32 | 24 37 | 11 42 | 6 34 |
| T 18 | 12 24 | 17 51 | 4 43 | 11 14 | 0 32 | 5 39 | 1 3 | 13 14 | 1 2 | 1 20 | 1 37 | 16 41 | 0 58 | 22 33 | 0 1 | 11 28 | 0 55 | 6 5 | 17 3 | 22 38 | 22 32 | 24 36 | 11 41 | 6 34 |
| F 19 | 12 44 | 21 20 | 4 14 | 11 54 | 0 26 | 5 15 | 1 6 | 13 11 | 0 58 | 1 22 | 1 37 | 16 40 | 0 58 | 22 33 | 0 1 | 11 28 | 0 55 | 6 5 | 17 3 | 22 39 | 22 32 | 24 35 | 11 40 | 6 35 |
| S 20 | 13 5 | 23 46 | 3 33 | 12 33 | 0 19 | 4 52 | 1 10 | 13 7 | 0 55 | 1 24 | 1 37 | 16 39 | 0 58 | 22 33 | 0 1 | 11 28 | 0 55 | 6 5 | 17 3 | 22 40 | 22 33 | 24 34 | 11 38 | 6 36 |
| S 21 | 13 25 | 25 4 | 2 43 | 13 12 | 0 12 | 4 28 | 1 13 | 13 3 | 0 51 | 1 26 | 1 37 | 16 38 | 0 59 | 22 33 | 0 1 | 11 28 | 0 55 | 6 6 | 17 3 | 22 41 | 22 33 | 24 32 | 11 37 | 6 36 |
| M22 | 13 45 | 25 11 | 1 47 | 13 51 | 0 6 | 4 4 | 1 17 | 12 59 | 0 48 | 1 28 | 1 36 | 16 37 | 0 59 | 22 33 | 0 1 | 11 29 | 0 55 | 6 6 | 17 2 | 22 42 | 22 33 | 24 31 | 11 36 | 6 37 |
| T 23 | 14 5 | 24 8 | 0 46 | 14 28 | 0s 1 | 3 40 | 1 20 | 12 55 | 0 44 | 1 29 | 1 36 | 16 36 | 0 59 | 22 32 | 0 1 | 11 29 | 0 55 | 6 6 | 17 2 | 22 42 | 22 34 | 24 30 | 11 34 | 6 37 |
| W24 | 14 24 | 22 2 | 0s17 | 15 5 | 0 8 | 3 15 | 1 23 | 12 52 | 0 41 | 1 31 | 1 36 | 16 35 | 0 59 | 22 32 | 0 1 | 11 29 | 0 55 | 6 6 | 17 2 | 22 42 | 22 34 | 24 29 | 11 33 | 6 38 |
| T 25 | 14 44 | 18 59 | 1 19 | 15 41 | 0 14 | 2 50 | 1 26 | 12 48 | 0 38 | 1 33 | 1 36 | 16 35 | 0 59 | 22 32 | 0 1 | 11 29 | 0 55 | 6 7 | 17 2 | 22 42 | 22 35 | 24 28 | 11 32 | 6 39 |
| F 26 | 15 3 | 15 6 | 2 19 | 16 16 | 0 21 | 2 25 | 1 29 | 12 44 | 0 34 | 1 34 | 1 35 | 16 34 | 1 0 | 22 32 | 0 1 | 11 29 | 0 55 | 6 7 | 17 2 | 22 42 | 22 35 | 24 27 | 11 31 | 6 39 |
| S 27 | 15 22 | 10 33 | 3 13 | 16 51 | 0 28 | 2 0 | 1 32 | 12 41 | 0 31 | 1 36 | 1 35 | 16 33 | 1 0 | 22 31 | 0 1 | 11 29 | 0 55 | 6 7 | 17 2 | 22 42 | 22 35 | 24 26 | 11 30 | 6 40 |
| S 28 | 15 40 | 5 28 | 4 0 | 17 25 | 0 34 | 1 35 | 1 34 | 12 37 | 0 28 | 1 37 | 1 35 | 16 33 | 1 0 | 22 31 | 0 1 | 11 29 | 0 55 | 6 8 | 17 2 | 22 42 | 22 36 | 24 25 | 11 28 | 6 41 |
| M29 | 15 58 | 0 1 | 4 36 | 17 58 | 0 40 | 1 9 | 1 37 | 12 34 | 0 24 | 1 38 | 1 35 | 16 32 | 1 0 | 22 31 | 0 1 | 11 29 | 0 55 | 6 8 | 17 2 | 22 43 | 22 36 | 24 24 | 11 27 | 6 42 |
| T 30 | 16 17 | 5s37 | 4 59 | 18 30 | 0 47 | 0 44 | 1 39 | 12 30 | 0 21 | 1 39 | 1 34 | 16 32 | 1 0 | 22 31 | 0 1 | 11 29 | 0 55 | 6 8 | 17 2 | 22 44 | 22 36 | 24 23 | 11 26 | 6 42 |
| W31 | 16s34 | 11s10 | 5s 5 | 19s 1 | 0s53 | 0n18 | 1n42 | 12n27 | 0s18 | 1s41 | 1s34 | 16n31 | 1n 0 | 22n30 | 0n 1 | 11s30 | 0s55 | 6s 8 | 17s 1 | 22s45 | 22s37 | 24n21 | 11n25 | 6s43 |

Julian Day Number = 2217340.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'45, Lahiri = 14°54'45 Julian Calendar 1 Oct. 1358 == Greg. Calendar 9 Oct. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## NOVEMBER 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 11 58 | 16♏37'20 | 0♏37 | 22♏54 | 4♎19 | 3°R12 | 29°R21 | 17♌49 | 13°R23 | 2°R26 | 25°R 1 | 14°R12 | 15♉30 | 5♋14 | 9♌41 | T 1 |
| F 2 | 3 15 54 | 17°37'57 | 15°10 | 24°28 | 5°29 | 2♉54 | 29♓18 | 17°51 | 13♊21 | 2♓26 | 25♈ 0 | 14♉ 3 | 15°27 | 5°20 | 9°42 | F 2 |
| S 3 | 3 19 51 | 18°38'36 | 29°56 | 26° 1 | 6°40 | 2°37 | 29°15 | 17°53 | 13°18 | 2°26 | 24°59 | 13°55 | 15°24 | 5°27 | 9°44 | S 3 |
| S 4 | 3 23 48 | 19°39'16 | 14♐48 | 27°34 | 7°50 | 2°21 | 29°12 | 17°55 | 13°16 | 2°26 | 24°58 | 13°49 | 15°21 | 5°33 | 9°45 | S 4 |
| M 5 | 3 27 44 | 20°39'58 | 29°37 | 29° 7 | 9° 1 | 2° 5 | 29°10 | 17°57 | 13°14 | 2°26 | 24°57 | 13°46 | 15°17 | 5°40 | 9°46 | M 5 |
| T 6 | 3 31 41 | 21°40'41 | 14♑16 | 0♐39 | 10°12 | 1°50 | 29° 8 | 17°59 | 13°12 | 2°D26 | 24°56 | 13°D45 | 15°14 | 5°47 | 9°47 | T 6 |
| W 7 | 3 35 37 | 22°41'25 | 28°41 | 2°12 | 11°23 | 1°36 | 29° 6 | 18° 0 | 13° 9 | 2°26 | 24°55 | 13°46 | 15°11 | 5°53 | 9°48 | W 7 |
| T 8 | 3 39 34 | 23°42'10 | 12♒49 | 3°44 | 12°34 | 1°23 | 29° 4 | 18° 2 | 13° 7 | 2°26 | 24°54 | 13°47 | 15° 8 | 6° 0 | 9°48 | T 8 |
| F 9 | 3 43 30 | 24°42'56 | 26°40 | 5°16 | 13°45 | 1°10 | 29° 2 | 18° 3 | 13° 4 | 2°26 | 24°53 | 13°R47 | 15° 5 | 6° 7 | 9°49 | F 9 |
| S 10 | 3 47 27 | 25°43'43 | 10♓14 | 6°48 | 14°56 | 0°58 | 29° 1 | 18° 5 | 13° 2 | 2°26 | 24°52 | 13°46 | 15° 2 | 6°13 | 9°50 | S 10 |
| S 11 | 3 51 23 | 26°44'30 | 23°31 | 8°20 | 16° 8 | 0°47 | 29° 0 | 18° 6 | 13° 0 | 2°26 | 24°51 | 13°43 | 14°58 | 6°20 | 9°50 | S 11 |
| M12 | 3 55 20 | 27°45'19 | 6♈35 | 9°51 | 17°19 | 0°37 | 28°59 | 18° 7 | 12°57 | 2°26 | 24°50 | 13°38 | 14°55 | 6°27 | 9°50 | M12 |
| T 13 | 3 59 17 | 28°46'09 | 19°25 | 11°23 | 18°31 | 0°27 | 28°58 | 18° 8 | 12°55 | 2°27 | 24°49 | 13°31 | 14°52 | 6°33 | 9°51 | T 13 |
| W14 | 4 3 13 | 29°47'00 | 2♉ 2 | 12°54 | 19°43 | 0°19 | 28°58 | 18° 9 | 12°52 | 2°27 | 24°48 | 13°23 | 14°49 | 6°40 | 9°51 | W14 |
| T 15 | 4 7 10 | 0♐47'52 | 14°29 | 14°25 | 20°55 | 0°11 | 28°57 | 18° 9 | 12°50 | 2°27 | 24°48 | 13°14 | 14°46 | 6°47 | 9°R51 | T 15 |
| F 16 | 4 11 6 | 1°48'45 | 26°45 | 15°56 | 22° 7 | 0° 4 | 28°D57 | 18°10 | 12°47 | 2°27 | 24°47 | 13° 7 | 14°42 | 6°53 | 9°51 | F 16 |
| S 17 | 4 15 3 | 2°49'39 | 8♊51 | 17°26 | 23°19 | 29♈58 | 28°57 | 18°11 | 12°45 | 2°28 | 24°46 | 13° 0 | 14°39 | 7° 0 | 9°50 | S 17 |
| S 18 | 4 18 59 | 3°50'34 | 20°49 | 18°56 | 24°31 | 29°52 | 28°57 | 18°11 | 12°42 | 2°28 | 24°45 | 12°56 | 14°36 | 7° 7 | 9°50 | S 18 |
| M19 | 4 22 56 | 4°51'30 | 2♋40 | 20°25 | 25°43 | 29°48 | 28°58 | 18°11 | 12°40 | 2°29 | 24°44 | 12°53 | 14°33 | 7°13 | 9°50 | M19 |
| T 20 | 4 26 52 | 5°52'28 | 14°27 | 21°54 | 26°55 | 29°44 | 28°59 | 18°11 | 12°37 | 2°29 | 24°43 | 12°D53 | 14°30 | 7°20 | 9°49 | T 20 |
| W21 | 4 30 49 | 6°53'26 | 26°13 | 23°23 | 28° 8 | 29°41 | 29° 0 | 18°R11 | 12°35 | 2°30 | 24°43 | 12°54 | 14°27 | 7°26 | 9°49 | W21 |
| T 22 | 4 34 46 | 7°54'26 | 8♌ 3 | 24°51 | 29°20 | 29°39 | 29° 1 | 18°11 | 12°32 | 2°30 | 24°42 | 12°55 | 14°23 | 7°33 | 9°48 | T 22 |
| F 23 | 4 38 42 | 8°55'27 | 19°59 | 26°18 | 0♏33 | 29°37 | 29° 2 | 18°11 | 12°30 | 2°31 | 24°41 | 12°57 | 14°20 | 7°40 | 9°47 | F 23 |
| S 24 | 4 42 39 | 9°56'28 | 2♍ 8 | 27°44 | 1°45 | 29°D37 | 29° 3 | 18°11 | 12°27 | 2°31 | 24°40 | 12°58 | 14°17 | 7°46 | 9°46 | S 24 |
| S 25 | 4 46 35 | 10°57'31 | 14°35 | 29° 8 | 2°58 | 29°37 | 29° 5 | 18°11 | 12°25 | 2°32 | 24°39 | 12°R59 | 14°14 | 7°53 | 9°45 | S 25 |
| M26 | 4 50 32 | 11°58'35 | 27°23 | 0♑32 | 4°11 | 29°38 | 29° 7 | 18°10 | 12°22 | 2°33 | 24°39 | 12°58 | 14°11 | 8° 0 | 9°44 | M26 |
| T 27 | 4 54 28 | 12°59'40 | 10♎37 | 1°54 | 5°24 | 29°40 | 29° 9 | 18° 9 | 12°19 | 2°33 | 24°38 | 12°55 | 14° 8 | 8° 6 | 9°43 | T 27 |
| W28 | 4 58 25 | 14° 0'46 | 24°19 | 3°14 | 6°37 | 29°42 | 29°12 | 18° 9 | 12°17 | 2°34 | 24°37 | 12°51 | 14° 4 | 8°13 | 9°41 | W28 |
| T 29 | 5 2 21 | 15° 1'52 | 8♏30 | 4°31 | 7°50 | 29°46 | 29°14 | 18° 8 | 12°14 | 2°35 | 24°37 | 12°47 | 14° 1 | 8°20 | 9°40 | T 29 |
| F 30 | 5 6 18 | 16♐ 3'00 | 23♏ 6 | 5♑47 | 9♏ 3 | 29♈50 | 29♓17 | 18♌ 7 | 12♊12 | 2♓36 | 24♈36 | 12♉43 | 13♉58 | 8♋26 | 9♌38 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s52 | 16s18 | 4s53 | 19s31 | 0s59 | 0s 8 | 1n44 | 12n24 | 0s14 | 1s42 | 1s34 | 16n30 | 1n 1 | 22n30 | 0n 1 | 11s30 | 0s55 | 6s 9 | 17s 1 | 22s46 | 22s37 | 24n20 | 11n24 | 6s44 |
| F 2 | 17 9 | 20 36 | 4 22 | 20 0 | 1 5 | 0 34 | 1 46 | 12 21 | 0 11 | 1 43 | 1 34 | 16 30 | 1 1 | 22 30 | 0 1 | 11 30 | 0 55 | 6 9 | 17 1 | 22 47 | 22 38 | 24 19 | 11 23 | 6 44 |
| S 3 | 17 26 | 23 40 | 3 33 | 20 28 | 1 11 | 1 0 | 1 48 | 12 18 | 0 8 | 1 43 | 1 33 | 16 30 | 1 1 | 22 30 | 0 1 | 11 30 | 0 55 | 6 9 | 17 1 | 22 48 | 22 38 | 24 18 | 11 22 | 6 45 |
| S 4 | 17 43 | 25 7 | 2 29 | 20 56 | 1 17 | 1 26 | 1 50 | 12 15 | 0 5 | 1 44 | 1 33 | 16 29 | 1 1 | 22 29 | 0 1 | 11 30 | 0 55 | 6 9 | 17 1 | 22 48 | 22 38 | 24 17 | 11 21 | 6 46 |
| M 5 | 17 59 | 24 47 | 1 15 | 21 22 | 1 22 | 1 52 | 1 52 | 12 13 | 0 2 | 1 45 | 1 33 | 16 29 | 1 1 | 22 29 | 0 1 | 11 30 | 0 55 | 6 9 | 17 1 | 22 48 | 22 39 | 24 16 | 11 20 | 6 46 |
| T 6 | 18 15 | 22 43 | 0n 3 | 21 47 | 1 28 | 2 19 | 1 54 | 12 11 | 0n 1 | 1 46 | 1 32 | 16 28 | 1 2 | 22 29 | 0 1 | 11 30 | 0 54 | 6 10 | 17 0 | 22 49 | 22 39 | 24 15 | 11 19 | 6 47 |
| W 7 | 18 31 | 19 12 | 1 20 | 22 11 | 1 33 | 2 45 | 1 55 | 12 8 | 0 4 | 1 46 | 1 32 | 16 28 | 1 2 | 22 29 | 0 1 | 11 30 | 0 54 | 6 10 | 17 0 | 22 49 | 22 39 | 24 13 | 11 18 | 6 48 |
| T 8 | 18 46 | 14 37 | 2 30 | 22 34 | 1 38 | 3 12 | 1 57 | 12 7 | 0 7 | 1 47 | 1 32 | 16 28 | 1 2 | 22 28 | 0 1 | 11 30 | 0 54 | 6 10 | 17 0 | 22 48 | 22 40 | 24 12 | 11 17 | 6 48 |
| F 9 | 19 1 | 9 22 | 3 30 | 22 56 | 1 43 | 3 38 | 1 58 | 12 5 | 0 10 | 1 47 | 1 32 | 16 28 | 1 2 | 22 28 | 0 1 | 11 29 | 0 54 | 6 10 | 17 0 | 22 48 | 22 40 | 24 11 | 11 17 | 6 49 |
| S 10 | 19 15 | 3 47 | 4 17 | 23 17 | 1 47 | 4 5 | 1 59 | 12 3 | 0 13 | 1 47 | 1 31 | 16 27 | 1 2 | 22 28 | 0 1 | 11 29 | 0 54 | 6 10 | 17 0 | 22 48 | 22 40 | 24 10 | 11 16 | 6 50 |
| S 11 | 19 30 | 1n51 | 4 50 | 23 37 | 1 52 | 4 31 | 2 0 | 12 2 | 0 16 | 1 47 | 1 31 | 16 27 | 1 3 | 22 27 | 0 1 | 11 29 | 0 54 | 6 10 | 17 0 | 22 49 | 22 41 | 24 9 | 11 15 | 6 50 |
| M12 | 19 44 | 7 18 | 5 6 | 23 55 | 1 56 | 4 58 | 2 1 | 12 1 | 0 19 | 1 48 | 1 31 | 16 27 | 1 3 | 22 27 | 0 1 | 11 29 | 0 54 | 6 10 | 16 59 | 22 49 | 22 41 | 24 8 | 11 14 | 6 51 |
| T 13 | 19 57 | 12 21 | 5 7 | 24 12 | 2 0 | 5 24 | 2 2 | 12 0 | 0 21 | 1 48 | 1 30 | 16 27 | 1 3 | 22 27 | 0 1 | 11 29 | 0 54 | 6 11 | 16 59 | 22 50 | 22 41 | 24 6 | 11 14 | 6 52 |
| W14 | 20 10 | 16 47 | 4 52 | 24 28 | 2 3 | 5 50 | 2 3 | 12 0 | 0 24 | 1 48 | 1 30 | 16 27 | 1 3 | 22 26 | 0 1 | 11 29 | 0 54 | 6 11 | 16 59 | 22 51 | 22 42 | 24 5 | 11 13 | 6 52 |
| T 15 | 20 23 | 20 27 | 4 24 | 24 42 | 2 7 | 6 17 | 2 4 | 11 59 | 0 26 | 1 47 | 1 30 | 16 27 | 1 4 | 22 26 | 0 1 | 11 29 | 0 54 | 6 11 | 16 59 | 22 52 | 22 42 | 24 4 | 11 12 | 6 53 |
| F 16 | 20 36 | 23 8 | 3 44 | 24 55 | 2 10 | 6 43 | 2 4 | 11 59 | 0 29 | 1 47 | 1 30 | 16 27 | 1 4 | 22 26 | 0 1 | 11 29 | 0 54 | 6 11 | 16 58 | 22 52 | 22 43 | 24 3 | 11 12 | 6 54 |
| S 17 | 20 48 | 24 43 | 2 54 | 25 7 | 2 12 | 7 9 | 2 5 | 11 59 | 0 31 | 1 47 | 1 29 | 16 27 | 1 4 | 22 26 | 0 1 | 11 29 | 0 54 | 6 11 | 16 58 | 22 53 | 22 43 | 24 1 | 11 11 | 6 54 |
| S 18 | 21 0 | 25 9 | 1 57 | 25 18 | 2 14 | 7 35 | 2 5 | 11 59 | 0 34 | 1 46 | 1 29 | 16 27 | 1 4 | 22 25 | 0 1 | 11 28 | 0 54 | 6 11 | 16 58 | 22 54 | 22 43 | 24 0 | 11 10 | 6 55 |
| M19 | 21 11 | 24 25 | 0 55 | 25 27 | 2 16 | 8 1 | 2 6 | 12 0 | 0 36 | 1 46 | 1 29 | 16 27 | 1 4 | 22 25 | 0 1 | 11 28 | 0 54 | 6 11 | 16 58 | 22 54 | 22 44 | 23 59 | 11 10 | 6 56 |
| T 20 | 21 22 | 22 36 | 0s 9 | 25 34 | 2 18 | 8 27 | 2 6 | 12 1 | 0 38 | 1 45 | 1 28 | 16 27 | 1 5 | 22 25 | 0 1 | 11 28 | 0 54 | 6 11 | 16 57 | 22 54 | 22 44 | 23 58 | 11 9 | 6 56 |
| W21 | 21 32 | 19 48 | 1 12 | 25 40 | 2 19 | 8 53 | 2 6 | 12 2 | 0 41 | 1 45 | 1 28 | 16 27 | 1 5 | 22 24 | 0 1 | 11 28 | 0 54 | 6 11 | 16 57 | 22 54 | 22 44 | 23 56 | 11 9 | 6 57 |
| T 22 | 21 42 | 16 10 | 2 13 | 25 45 | 2 19 | 9 19 | 2 6 | 12 3 | 0 43 | 1 44 | 1 28 | 16 28 | 1 5 | 22 24 | 0 1 | 11 28 | 0 54 | 6 11 | 16 57 | 22 54 | 22 45 | 23 55 | 11 9 | 6 58 |
| F 23 | 21 52 | 11 52 | 3 9 | 25 48 | 2 19 | 9 44 | 2 6 | 12 5 | 0 45 | 1 43 | 1 27 | 16 28 | 1 5 | 22 24 | 0 1 | 11 27 | 0 54 | 6 11 | 16 57 | 22 53 | 22 45 | 23 54 | 11 8 | 6 58 |
| S 24 | 22 1 | 7 3 | 3 58 | 25 49 | 2 19 | 10 10 | 2 6 | 12 6 | 0 47 | 1 42 | 1 27 | 16 28 | 1 5 | 22 23 | 0 1 | 11 27 | 0 54 | 6 11 | 16 56 | 22 53 | 22 45 | 23 53 | 11 8 | 6 59 |
| S 25 | 22 10 | 1 51 | 4 36 | 25 49 | 2 18 | 10 35 | 2 5 | 12 8 | 0 49 | 1 41 | 1 27 | 16 28 | 1 6 | 22 23 | 0 1 | 11 27 | 0 54 | 6 11 | 16 56 | 22 53 | 22 46 | 23 51 | 11 7 | 7 0 |
| M26 | 22 18 | 3s35 | 5 2 | 25 47 | 2 16 | 11 0 | 2 5 | 12 10 | 0 51 | 1 40 | 1 26 | 16 29 | 1 6 | 22 23 | 0 1 | 11 27 | 0 54 | 6 11 | 16 56 | 22 53 | 22 46 | 23 50 | 11 7 | 7 0 |
| T 27 | 22 26 | 9 1 | 5 14 | 25 44 | 2 14 | 11 25 | 2 4 | 12 13 | 0 53 | 1 39 | 1 26 | 16 29 | 1 6 | 22 22 | 0 1 | 11 26 | 0 54 | 6 11 | 16 56 | 22 54 | 22 46 | 23 49 | 11 7 | 7 1 |
| W28 | 22 34 | 14 13 | 5 8 | 25 40 | 2 11 | 11 49 | 2 4 | 12 15 | 0 54 | 1 38 | 1 26 | 16 30 | 1 6 | 22 22 | 0 1 | 11 26 | 0 54 | 6 11 | 16 55 | 22 54 | 22 47 | 23 48 | 11 7 | 7 2 |
| T 29 | 22 41 | 18 51 | 4 43 | 25 34 | 2 7 | 12 14 | 2 3 | 12 18 | 0 56 | 1 37 | 1 26 | 16 30 | 1 6 | 22 22 | 0 1 | 11 26 | 0 54 | 6 11 | 16 55 | 22 54 | 22 47 | 23 46 | 11 6 | 7 2 |
| F 30 | 22s47 | 22s28 | 4s 0 | 25s26 | 2s 2 | 12s38 | 2n 2 | 12n21 | 0n58 | 1s35 | 1s25 | 16n31 | 1n 7 | 22n21 | 0n 1 | 11s25 | 0s54 | 6s11 | 16s55 | 22s55 | 22s47 | 23n45 | 11n 6 | 7s 3 |

Julian Day Number = 2217371.5, Delta T = 08m56s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'49, Lahiri = 14°54'50 Julian Calendar 1 Nov. 1358 == Greg. Calendar 9 Nov. 1358


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# ASTRODIENST EPHEMERIS for the year 1358
# geocentric

## DECEMBER 1358 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 10 15 | 17♐ 4'09 | 8♐ 2 | 6♑59 | 10♏16 | 29♈55 | 29♓20 | 18°R 6 | 12°R 9 | 2♓37 | 24°R35 | 12°R39 | 13♑55 | 8♋33 | 9°R37 | S 1 |
| S 2 | 5 14 11 | 18° 5'18 | 23° 9 | 8° 7 | 11°29 | 0♉ 0 | 29°23 | 18♌ 5 | 12♊ 7 | 2°37 | 24♈35 | 12♑37 | 13°52 | 8°40 | 9♌35 | S 2 |
| M 3 | 5 18 8 | 19° 6'28 | 8♑19 | 9°12 | 12°43 | 0° 7 | 29°26 | 18° 4 | 12° 4 | 2°38 | 24°34 | 12°D36 | 13°48 | 8°46 | 9°33 | M 3 |
| T 4 | 5 22 4 | 20° 7'38 | 23°21 | 10°12 | 13°56 | 0°13 | 29°30 | 18° 2 | 12° 2 | 2°39 | 24°34 | 12°36 | 13°45 | 8°53 | 9°31 | T 4 |
| W 5 | 5 26 1 | 21° 8'48 | 8♒ 8 | 11° 6 | 15° 9 | 0°21 | 29°34 | 18° 1 | 11°59 | 2°40 | 24°33 | 12°37 | 13°42 | 9° 0 | 9°29 | W 5 |
| T 6 | 5 29 57 | 22° 9'58 | 22°34 | 11°54 | 16°23 | 0°30 | 29°38 | 17°59 | 11°57 | 2°41 | 24°32 | 12°39 | 13°39 | 9° 6 | 9°27 | T 6 |
| F 7 | 5 33 54 | 23°11'08 | 6♓37 | 12°35 | 17°36 | 0°39 | 29°42 | 17°57 | 11°54 | 2°42 | 24°32 | 12°40 | 13°36 | 9°13 | 9°24 | F 7 |
| S 8 | 5 37 51 | 24°12'19 | 20°15 | 13° 9 | 18°50 | 0°48 | 29°46 | 17°56 | 11°52 | 2°43 | 24°31 | 12°R41 | 13°33 | 9°19 | 9°22 | S 8 |
| S 9 | 5 41 47 | 25°13'29 | 3♈31 | 13°33 | 20° 3 | 0°59 | 29°50 | 17°54 | 11°49 | 2°44 | 24°31 | 12°41 | 13°29 | 9°26 | 9°20 | S 9 |
| M10 | 5 45 44 | 26°14'39 | 16°27 | 13°47 | 21°17 | 1° 9 | 29°55 | 17°52 | 11°47 | 2°46 | 24°30 | 12°40 | 13°26 | 9°33 | 9°17 | M10 |
| T 11 | 5 49 40 | 27°15'50 | 29° 5 | 13°R51 | 22°30 | 1°21 | 29°59 | 17°49 | 11°44 | 2°47 | 24°30 | 12°38 | 13°23 | 9°39 | 9°14 | T 11 |
| W12 | 5 53 37 | 28°17'00 | 11♉29 | 13°44 | 23°44 | 1°33 | 0♈ 5 | 17°47 | 11°42 | 2°48 | 24°30 | 12°36 | 13°20 | 9°46 | 9°12 | W12 |
| T 13 | 5 57 33 | 29°18'10 | 23°41 | 13°25 | 24°58 | 1°46 | 0°10 | 17°45 | 11°39 | 2°49 | 24°29 | 12°34 | 13°17 | 9°53 | 9° 9 | T 13 |
| F 14 | 6 1 30 | 0♑19'20 | 5♊43 | 12°54 | 26°11 | 1°59 | 0°16 | 17°42 | 11°37 | 2°50 | 24°29 | 12°32 | 13°14 | 9°59 | 9° 6 | F 14 |
| S 15 | 6 5 26 | 1°20'30 | 17°39 | 12°12 | 27°25 | 2°13 | 0°21 | 17°40 | 11°35 | 2°52 | 24°28 | 12°30 | 13°10 | 10° 6 | 9° 3 | S 15 |
| S 16 | 6 9 23 | 2°21'40 | 29°30 | 11°18 | 28°39 | 2°27 | 0°27 | 17°37 | 11°32 | 2°53 | 24°28 | 12°29 | 13° 7 | 10°13 | 9° 0 | S 16 |
| M17 | 6 13 20 | 3°22'51 | 11♋18 | 10°15 | 29°53 | 2°42 | 0°33 | 17°35 | 11°30 | 2°54 | 24°28 | 12°D29 | 13° 4 | 10°19 | 8°57 | M17 |
| T 18 | 6 17 16 | 4°24'01 | 23° 6 | 9° 4 | 1♐ 7 | 2°58 | 0°39 | 17°32 | 11°28 | 2°56 | 24°28 | 12°29 | 13° 1 | 10°26 | 8°54 | T 18 |
| W19 | 6 21 13 | 5°25'11 | 4♌55 | 7°47 | 2°21 | 3°14 | 0°45 | 17°29 | 11°25 | 2°57 | 24°27 | 12°30 | 12°58 | 10°33 | 8°50 | W19 |
| T 20 | 6 25 9 | 6°26'21 | 16°48 | 6°27 | 3°35 | 3°30 | 0°52 | 17°26 | 11°23 | 2°59 | 24°27 | 12°30 | 12°54 | 10°39 | 8°47 | T 20 |
| F 21 | 6 29 6 | 7°27'31 | 28°49 | 5° 7 | 4°49 | 3°47 | 0°58 | 17°23 | 11°21 | 3° 0 | 24°27 | 12°31 | 12°51 | 10°46 | 8°44 | F 21 |
| S 22 | 6 33 2 | 8°28'41 | 11♍ 1 | 3°48 | 6° 3 | 4° 4 | 1° 5 | 17°20 | 11°19 | 3° 2 | 24°27 | 12°32 | 12°48 | 10°53 | 8°40 | S 22 |
| S 23 | 6 36 59 | 9°29'50 | 23°26 | 2°34 | 7°17 | 4°22 | 1°12 | 17°16 | 11°16 | 3° 3 | 24°26 | 12°32 | 12°45 | 10°59 | 8°37 | S 23 |
| M24 | 6 40 55 | 10°31'00 | 6♎11 | 1°25 | 8°31 | 4°41 | 1°19 | 17°13 | 11°14 | 3° 5 | 24°26 | 12°R32 | 12°42 | 11° 6 | 8°33 | M24 |
| T 25 | 6 44 52 | 11°32'10 | 19°17 | 0°25 | 9°45 | 4°59 | 1°27 | 17°10 | 11°12 | 3° 6 | 24°26 | 12°32 | 12°39 | 11°12 | 8°29 | T 25 |
| W26 | 6 48 49 | 12°33'20 | 2♏48 | 29♐34 | 10°59 | 5°18 | 1°34 | 17° 6 | 11°10 | 3° 8 | 24°26 | 12°D32 | 12°35 | 11°19 | 8°25 | W26 |
| T 27 | 6 52 45 | 13°34'30 | 16°46 | 28°52 | 12°13 | 5°38 | 1°42 | 17° 3 | 11° 8 | 3° 9 | 24°26 | 12°32 | 12°32 | 11°26 | 8°22 | T 27 |
| F 28 | 6 56 42 | 14°35'39 | 1♐ 9 | 28°19 | 13°28 | 5°58 | 1°49 | 16°59 | 11° 6 | 3°11 | 24°26 | 12°32 | 12°29 | 11°32 | 8°18 | F 28 |
| S 29 | 7 0 38 | 15°36'49 | 15°56 | 27°57 | 14°42 | 6°18 | 1°57 | 16°55 | 11° 4 | 3°13 | 24°26 | 12°32 | 12°26 | 11°39 | 8°14 | S 29 |
| S 30 | 7 4 35 | 16°37'58 | 1♑ 0 | 27°43 | 15°56 | 6°39 | 2° 5 | 16°51 | 11° 2 | 3°14 | 24°26 | 12°33 | 12°23 | 11°46 | 8°10 | S 30 |
| M31 | 7 8 31 | 17♑39'07 | 16♑13 | 27°D39 | 17♐10 | 7♉ 0 | 2♈14 | 16♌48 | 11♊ 0 | 3♓16 | 24°D26 | 12°R33 | 12♑20 | 11♋52 | 8♌ 6 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s54 | 24s40 | 2s59 | 25s17 | 1s57 | 13s 2 | 2n 2 | 12n24 | 1n 0 | 1s34 | 1s25 | 16n31 | 1n 7 | 22n21 | 0n 1 | 11s25 | 0s54 | 6s11 | 16s54 | 22s55 | 22s48 | 23n44 | 11n 6 | 7s 3 |
| S 2 | 22 59 | 25 6 | 1 45 | 25 6 | 1 50 | 13 25 | 2 1 | 12 28 | 1 1 | 1 32 | 1 25 | 16 32 | 1 7 | 22 21 | 0 1 | 11 25 | 0 54 | 6 11 | 16 54 | 22 55 | 22 48 | 23 42 | 11 6 | 7 4 |
| M 3 | 23 4 | 23 39 | 0 24 | 24 55 | 1 43 | 13 48 | 2 0 | 12 32 | 1 3 | 1 31 | 1 24 | 16 32 | 1 7 | 22 20 | 0 1 | 11 24 | 0 54 | 6 11 | 16 54 | 22 55 | 22 48 | 23 41 | 11 6 | 7 5 |
| T 4 | 23 9 | 20 32 | 0n59 | 24 42 | 1 34 | 14 11 | 1 59 | 12 35 | 1 4 | 1 29 | 1 24 | 16 33 | 1 7 | 22 20 | 0 1 | 11 24 | 0 54 | 6 11 | 16 54 | 22 55 | 22 49 | 23 40 | 11 6 | 7 5 |
| W 5 | 23 14 | 16 6 | 2 16 | 24 28 | 1 24 | 14 34 | 1 57 | 12 40 | 1 6 | 1 27 | 1 24 | 16 34 | 1 8 | 22 20 | 0 1 | 11 24 | 0 54 | 6 11 | 16 53 | 22 55 | 22 49 | 23 38 | 11 6 | 7 6 |
| T 6 | 23 17 | 10 50 | 3 23 | 24 13 | 1 14 | 14 56 | 1 56 | 12 44 | 1 7 | 1 26 | 1 24 | 16 34 | 1 8 | 22 19 | 0 1 | 11 23 | 0 54 | 6 11 | 16 53 | 22 55 | 22 49 | 23 37 | 11 6 | 7 6 |
| F 7 | 23 21 | 5 9 | 4 16 | 23 57 | 1 2 | 15 18 | 1 55 | 12 48 | 1 8 | 1 24 | 1 23 | 16 35 | 1 8 | 22 19 | 0 1 | 11 23 | 0 54 | 6 11 | 16 53 | 22 55 | 22 50 | 23 36 | 11 6 | 7 7 |
| S 8 | 23 24 | 0n37 | 4 53 | 23 40 | 0 48 | 15 40 | 1 54 | 12 53 | 1 10 | 1 22 | 1 23 | 16 36 | 1 8 | 22 19 | 0 1 | 11 23 | 0 54 | 6 11 | 16 52 | 22 55 | 22 50 | 23 34 | 11 6 | 7 7 |
| S 9 | 23 26 | 6 11 | 5 12 | 23 24 | 0 34 | 16 1 | 1 52 | 12 58 | 1 11 | 1 20 | 1 23 | 16 36 | 1 8 | 22 18 | 0 1 | 11 22 | 0 54 | 6 10 | 16 52 | 22 55 | 22 50 | 23 33 | 11 6 | 7 8 |
| M10 | 23 28 | 11 20 | 5 16 | 23 6 | 0 18 | 16 22 | 1 51 | 13 3 | 1 12 | 1 17 | 1 22 | 16 37 | 1 9 | 22 18 | 0 1 | 11 22 | 0 54 | 6 10 | 16 52 | 22 55 | 22 51 | 23 32 | 11 6 | 7 8 |
| T 11 | 23 30 | 15 55 | 5 4 | 22 49 | 0 1 | 16 42 | 1 49 | 13 8 | 1 14 | 1 15 | 1 22 | 16 38 | 1 9 | 22 18 | 0 1 | 11 21 | 0 54 | 6 10 | 16 51 | 22 55 | 22 51 | 23 30 | 11 6 | 7 9 |
| W12 | 23 31 | 19 43 | 4 37 | 22 32 | 0n17 | 17 2 | 1 47 | 13 13 | 1 15 | 1 13 | 1 22 | 16 39 | 1 9 | 22 17 | 0 1 | 11 21 | 0 54 | 6 10 | 16 51 | 22 55 | 22 51 | 23 29 | 11 6 | 7 9 |
| T 13 | 23 31 | 22 37 | 3 59 | 22 15 | 0 35 | 17 22 | 1 46 | 13 19 | 1 16 | 1 11 | 1 21 | 16 40 | 1 9 | 22 17 | 0 1 | 11 20 | 0 54 | 6 10 | 16 51 | 22 56 | 22 51 | 23 28 | 11 7 | 7 10 |
| F 14 | 23 31 | 24 27 | 3 10 | 21 59 | 0 55 | 17 41 | 1 44 | 13 24 | 1 17 | 1 8 | 1 21 | 16 41 | 1 9 | 22 17 | 0 1 | 11 20 | 0 54 | 6 10 | 16 50 | 22 56 | 22 52 | 23 26 | 11 7 | 7 10 |
| S 15 | 23 31 | 25 10 | 2 14 | 21 44 | 1 14 | 18 0 | 1 42 | 13 30 | 1 18 | 1 6 | 1 21 | 16 42 | 1 10 | 22 17 | 0 1 | 11 19 | 0 54 | 6 9 | 16 50 | 22 56 | 22 52 | 23 25 | 11 7 | 7 11 |
| S 16 | 23 30 | 24 43 | 1 12 | 21 29 | 1 34 | 18 18 | 1 40 | 13 36 | 1 19 | 1 3 | 1 21 | 16 43 | 1 10 | 22 16 | 0 1 | 11 19 | 0 54 | 6 9 | 16 50 | 22 56 | 22 52 | 23 23 | 11 8 | 7 11 |
| M17 | 23 29 | 23 9 | 0 7 | 21 15 | 1 53 | 18 36 | 1 38 | 13 42 | 1 20 | 1 0 | 1 20 | 16 44 | 1 10 | 22 16 | 0 1 | 11 18 | 0 54 | 6 9 | 16 49 | 22 56 | 22 53 | 23 22 | 11 8 | 7 12 |
| T 18 | 23 27 | 20 35 | 0s59 | 21 2 | 2 11 | 18 53 | 1 36 | 13 49 | 1 21 | 0 58 | 1 20 | 16 45 | 1 10 | 22 16 | 0 2 | 11 18 | 0 54 | 6 9 | 16 49 | 22 56 | 22 53 | 23 21 | 11 8 | 7 12 |
| W19 | 23 25 | 17 8 | 2 2 | 20 50 | 2 28 | 19 10 | 1 34 | 13 55 | 1 22 | 0 55 | 1 20 | 16 46 | 1 10 | 22 15 | 0 2 | 11 17 | 0 54 | 6 9 | 16 49 | 22 56 | 22 53 | 23 19 | 11 9 | 7 13 |
| T 20 | 23 22 | 13 0 | 3 0 | 20 40 | 2 42 | 19 26 | 1 32 | 14 1 | 1 23 | 0 52 | 1 20 | 16 47 | 1 11 | 22 15 | 0 2 | 11 17 | 0 54 | 6 8 | 16 48 | 22 56 | 22 54 | 23 18 | 11 9 | 7 13 |
| F 21 | 23 19 | 8 20 | 3 50 | 20 31 | 2 55 | 19 42 | 1 30 | 14 8 | 1 24 | 0 49 | 1 19 | 16 48 | 1 11 | 22 15 | 0 2 | 11 16 | 0 54 | 6 8 | 16 48 | 22 56 | 22 54 | 23 16 | 11 10 | 7 14 |
| S 22 | 23 15 | 3 17 | 4 31 | 20 23 | 3 5 | 19 58 | 1 27 | 14 15 | 1 24 | 0 46 | 1 19 | 16 49 | 1 11 | 22 14 | 0 2 | 11 16 | 0 54 | 6 8 | 16 48 | 22 56 | 22 54 | 23 15 | 11 10 | 7 14 |
| S 23 | 23 11 | 1s59 | 5 1 | 20 17 | 3 13 | 20 12 | 1 25 | 14 22 | 1 25 | 0 43 | 1 19 | 16 50 | 1 11 | 22 14 | 0 2 | 11 15 | 0 54 | 6 8 | 16 47 | 22 56 | 22 55 | 23 13 | 11 11 | 7 14 |
| M24 | 23 6 | 7 18 | 5 16 | 20 13 | 3 18 | 20 26 | 1 23 | 14 28 | 1 26 | 0 40 | 1 18 | 16 52 | 1 11 | 22 14 | 0 2 | 11 15 | 0 54 | 6 7 | 16 47 | 22 56 | 22 55 | 23 12 | 11 11 | 7 15 |
| T 25 | 23 1 | 12 26 | 5 16 | 20 11 | 3 21 | 20 40 | 1 20 | 14 35 | 1 27 | 0 37 | 1 18 | 16 53 | 1 11 | 22 14 | 0 2 | 11 14 | 0 54 | 6 7 | 16 47 | 22 56 | 22 55 | 23 11 | 11 12 | 7 15 |
| W26 | 22 56 | 17 9 | 4 59 | 20 10 | 3 21 | 20 53 | 1 18 | 14 43 | 1 27 | 0 34 | 1 18 | 16 54 | 1 12 | 22 13 | 0 2 | 11 13 | 0 54 | 6 7 | 16 46 | 22 56 | 22 55 | 23 9 | 11 12 | 7 15 |
| T 27 | 22 50 | 21 6 | 4 23 | 20 11 | 3 20 | 21 6 | 1 15 | 14 50 | 1 28 | 0 31 | 1 18 | 16 55 | 1 12 | 22 13 | 0 2 | 11 13 | 0 54 | 6 6 | 16 46 | 22 56 | 22 56 | 23 8 | 11 13 | 7 16 |
| F 28 | 22 43 | 23 54 | 3 31 | 20 14 | 3 17 | 21 17 | 1 13 | 14 57 | 1 29 | 0 27 | 1 17 | 16 57 | 1 12 | 22 13 | 0 2 | 11 12 | 0 53 | 6 6 | 16 45 | 22 56 | 22 56 | 23 6 | 11 14 | 7 16 |
| S 29 | 22 36 | 25 9 | 2 23 | 20 18 | 3 12 | 21 29 | 1 10 | 15 5 | 1 29 | 0 24 | 1 17 | 16 58 | 1 12 | 22 12 | 0 2 | 11 12 | 0 53 | 6 6 | 16 45 | 22 56 | 22 56 | 23 5 | 11 14 | 7 16 |
| S 30 | 22 29 | 24 35 | 1 4 | 20 24 | 3 6 | 21 39 | 1 8 | 15 12 | 1 30 | 0 21 | 1 17 | 16 59 | 1 12 | 22 12 | 0 2 | 11 11 | 0 53 | 6 6 | 16 45 | 22 56 | 22 57 | 23 3 | 11 15 | 7 17 |
| M31 | 22s21 | 22s12 | 0n20 | 20s31 | 2n59 | 21s49 | 1n 5 | 15n20 | 1n31 | 0s17 | 1s17 | 17n 1 | 1n13 | 22n12 | 0n 2 | 11s10 | 0s53 | 6s 5 | 16s44 | 22s56 | 22s57 | 23n 2 | 11n16 | 7s17 |

Julian Day Number = 2217401.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'53, Lahiri = 14°54'54 Julian Calendar 1 Dec. 1358 == Greg. Calendar 9 Dec. 1358


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## JANUARY 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 12 28 | 18♑40'15 | 1♒25 | 27♐43 | 18♐25 | 7♉22 | 2♈22 | 16°R44 | 10°R58 | 3♓18 | 24♈26 | 12°R32 | 12♑16 | 11♋59 | 8°R 1 | T 1 |
| W 2 | 7 16 24 | 19°41'22 | 16°27 | 27°55 | 19°39 | 7°44 | 2°30 | 16♌40 | 10♊56 | 3°19 | 24°26 | 12♑32 | 12°13 | 12° 6 | 7♌57 | W 2 |
| T 3 | 7 20 21 | 20°42'29 | 1♓11 | 28°14 | 20°53 | 8° 6 | 2°39 | 16°35 | 10°55 | 3°21 | 24°26 | 12°31 | 12°10 | 12°12 | 7°53 | T 3 |
| F 4 | 7 24 18 | 21°43'34 | 15°30 | 28°39 | 22° 7 | 8°29 | 2°48 | 16°31 | 10°53 | 3°23 | 24°26 | 12°30 | 12° 7 | 12°19 | 7°49 | F 4 |
| S 5 | 7 28 14 | 22°44'39 | 29°22 | 29°11 | 23°22 | 8°52 | 2°57 | 16°27 | 10°51 | 3°25 | 24°26 | 12°29 | 12° 4 | 12°26 | 7°45 | S 5 |
| S 6 | 7 32 11 | 23°45'42 | 12♈46 | 29°47 | 24°36 | 9°15 | 3° 6 | 16°23 | 10°49 | 3°27 | 24°26 | 12°28 | 12° 0 | 12°32 | 7°40 | S 6 |
| M 7 | 7 36 7 | 24°46'44 | 25°44 | 0♑29 | 25°50 | 9°38 | 3°15 | 16°19 | 10°48 | 3°29 | 24°26 | 12°D28 | 11°57 | 12°39 | 7°36 | M 7 |
| T 8 | 7 40 4 | 25°47'45 | 8♉21 | 1°15 | 27° 5 | 10° 2 | 3°24 | 16°14 | 10°46 | 3°30 | 24°26 | 12°28 | 11°54 | 12°45 | 7°31 | T 8 |
| W 9 | 7 44 0 | 26°48'46 | 20°39 | 2° 5 | 28°19 | 10°27 | 3°34 | 16°10 | 10°45 | 3°32 | 24°26 | 12°29 | 11°51 | 12°52 | 7°27 | W 9 |
| T 10 | 7 47 57 | 27°49'45 | 2♊43 | 2°59 | 29°34 | 10°51 | 3°43 | 16° 5 | 10°43 | 3°34 | 24°27 | 12°31 | 11°48 | 12°59 | 7°23 | T 10 |
| F 11 | 7 51 53 | 28°50'42 | 14°38 | 3°56 | 0♑48 | 11°16 | 3°53 | 16° 1 | 10°42 | 3°36 | 24°27 | 12°32 | 11°45 | 13° 5 | 7°18 | F 11 |
| S 12 | 7 55 50 | 29°51'39 | 26°27 | 4°56 | 2° 2 | 11°41 | 4° 3 | 15°56 | 10°40 | 3°38 | 24°27 | 12°33 | 11°41 | 13°12 | 7°14 | S 12 |
| S 13 | 7 59 47 | 0♒52'35 | 8♋14 | 5°59 | 3°17 | 12° 6 | 4°13 | 15°52 | 10°39 | 3°40 | 24°27 | 12°R34 | 11°38 | 13°19 | 7° 9 | S 13 |
| M14 | 8 3 43 | 1°53'29 | 20° 2 | 7° 4 | 4°31 | 12°32 | 4°23 | 15°47 | 10°37 | 3°42 | 24°28 | 12°34 | 11°35 | 13°25 | 7° 4 | M14 |
| T 15 | 8 7 40 | 2°54'22 | 1♌53 | 8°11 | 5°46 | 12°58 | 4°33 | 15°42 | 10°36 | 3°44 | 24°28 | 12°33 | 11°32 | 13°32 | 7° 0 | T 15 |
| W16 | 8 11 36 | 3°55'14 | 13°49 | 9°21 | 7° 0 | 13°24 | 4°43 | 15°38 | 10°35 | 3°46 | 24°28 | 12°30 | 11°29 | 13°39 | 6°55 | W16 |
| T 17 | 8 15 33 | 4°56'05 | 25°51 | 10°33 | 8°14 | 13°50 | 4°54 | 15°33 | 10°34 | 3°48 | 24°29 | 12°27 | 11°26 | 13°45 | 6°51 | T 17 |
| F 18 | 8 19 29 | 5°56'55 | 8♍ 3 | 11°46 | 9°29 | 14°17 | 5° 4 | 15°28 | 10°32 | 3°50 | 24°29 | 12°23 | 11°22 | 13°52 | 6°46 | F 18 |
| S 19 | 8 23 26 | 6°57'44 | 20°25 | 13° 1 | 10°43 | 14°43 | 5°15 | 15°23 | 10°31 | 3°52 | 24°30 | 12°19 | 11°19 | 13°59 | 6°42 | S 19 |
| S 20 | 8 27 22 | 7°58'31 | 2♎59 | 14°17 | 11°58 | 15°10 | 5°26 | 15°19 | 10°30 | 3°54 | 24°30 | 12°15 | 11°16 | 14° 5 | 6°37 | S 20 |
| M21 | 8 31 19 | 8°59'18 | 15°48 | 15°35 | 13°12 | 15°38 | 5°36 | 15°14 | 10°29 | 3°57 | 24°30 | 12°12 | 11°13 | 14°12 | 6°32 | M21 |
| T 22 | 8 35 16 | 10° 0'04 | 28°53 | 16°54 | 14°27 | 16° 5 | 5°47 | 15° 9 | 10°28 | 3°59 | 24°31 | 12°10 | 11°10 | 14°19 | 6°28 | T 22 |
| W23 | 8 39 12 | 11° 0'48 | 12♏17 | 18°15 | 15°41 | 16°33 | 5°58 | 15° 4 | 10°27 | 4° 1 | 24°31 | 12°D10 | 11° 6 | 14°25 | 6°23 | W23 |
| T 24 | 8 43 9 | 12° 1'32 | 26° 2 | 19°37 | 16°56 | 17° 1 | 6°10 | 14°59 | 10°27 | 4° 3 | 24°32 | 12°10 | 11° 3 | 14°32 | 6°19 | T 24 |
| F 25 | 8 47 5 | 13° 2'15 | 10♐ 8 | 21° 0 | 18°10 | 17°29 | 6°21 | 14°54 | 10°26 | 4° 5 | 24°32 | 12°12 | 11° 0 | 14°38 | 6°14 | F 25 |
| S 26 | 8 51 2 | 14° 2'56 | 24°35 | 22°24 | 19°25 | 17°57 | 6°32 | 14°49 | 10°25 | 4° 7 | 24°33 | 12°13 | 10°57 | 14°45 | 6°10 | S 26 |
| S 27 | 8 54 58 | 15° 3'36 | 9♑20 | 23°49 | 20°39 | 18°26 | 6°44 | 14°44 | 10°24 | 4° 9 | 24°34 | 12°R14 | 10°54 | 14°52 | 6° 5 | S 27 |
| M28 | 8 58 55 | 16° 4'16 | 24°18 | 25°16 | 21°54 | 18°54 | 6°55 | 14°40 | 10°24 | 4°12 | 24°34 | 12°14 | 10°51 | 14°58 | 6° 0 | M28 |
| T 29 | 9 2 52 | 17° 4'53 | 9♒21 | 26°43 | 23° 8 | 19°23 | 7° 7 | 14°35 | 10°23 | 4°14 | 24°35 | 12°11 | 10°47 | 15° 5 | 5°56 | T 29 |
| W30 | 9 6 48 | 18° 5'29 | 24°20 | 28°11 | 24°23 | 19°52 | 7°19 | 14°30 | 10°22 | 4°16 | 24°35 | 12° 7 | 10°44 | 15°12 | 5°52 | W30 |
| T 31 | 9 10 45 | 19♒ 6'04 | 9♓ 7 | 29♑41 | 25♑37 | 20♉21 | 7♈30 | 14♌25 | 10♊22 | 4♓18 | 24♈36 | 12♑ 2 | 10♑41 | 15♋18 | 5♌47 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s13 | 18s14 | 1n43 | 20s39 | 2n51 | 21s59 | 1n 3 | 15n27 | 1n31 | 0s13 | 1s16 | 17n 2 | 1n13 | 22n12 | 0n 2 | 11s10 | 0s53 | 6s 5 | 16s44 | 22s56 | 22s57 | 23n 0 | 11n17 | 7s17 |
| W 2 | 22 4 | 13 8 | 2 58 | 20 48 | 2 43 | 22 7 | 1 0 | 15 35 | 1 32 | 0 10 | 1 16 | 17 3 | 1 13 | 22 11 | 0 2 | 11 9 | 0 53 | 6 5 | 16 44 | 22 56 | 22 58 | 22 59 | 11 18 | 7 17 |
| T 3 | 21 55 | 7 22 | 3 59 | 20 57 | 2 34 | 22 15 | 0 57 | 15 43 | 1 32 | 0 6 | 1 16 | 17 5 | 1 13 | 22 11 | 0 2 | 11 8 | 0 53 | 6 4 | 16 43 | 22 56 | 22 58 | 22 57 | 11 18 | 7 18 |
| F 4 | 21 46 | 1 23 | 4 43 | 21 7 | 2 24 | 22 23 | 0 55 | 15 51 | 1 33 | 0 2 | 1 16 | 17 6 | 1 13 | 22 11 | 0 2 | 11 8 | 0 53 | 6 4 | 16 43 | 22 56 | 22 58 | 22 56 | 11 19 | 7 18 |
| S 5 | 21 36 | 4n28 | 5 9 | 21 17 | 2 14 | 22 30 | 0 52 | 15 58 | 1 33 | 0n 1 | 1 15 | 17 8 | 1 13 | 22 11 | 0 2 | 11 7 | 0 53 | 6 3 | 16 43 | 22 56 | 22 58 | 22 54 | 11 20 | 7 18 |
| S 6 | 21 25 | 9 56 | 5 18 | 21 27 | 2 4 | 22 36 | 0 49 | 16 6 | 1 34 | 0 5 | 1 15 | 17 9 | 1 13 | 22 10 | 0 2 | 11 6 | 0 53 | 6 3 | 16 42 | 22 56 | 22 59 | 22 53 | 11 21 | 7 18 |
| M 7 | 21 15 | 14 46 | 5 9 | 21 37 | 1 54 | 22 41 | 0 46 | 16 14 | 1 34 | 0 9 | 1 15 | 17 10 | 1 14 | 22 10 | 0 2 | 11 6 | 0 53 | 6 3 | 16 42 | 22 56 | 22 59 | 22 51 | 11 22 | 7 18 |
| T 8 | 21 4 | 18 50 | 4 46 | 21 47 | 1 44 | 22 46 | 0 43 | 16 22 | 1 35 | 0 13 | 1 15 | 17 12 | 1 14 | 22 10 | 0 2 | 11 5 | 0 53 | 6 2 | 16 41 | 22 56 | 22 59 | 22 50 | 11 23 | 7 18 |
| W 9 | 20 52 | 21 59 | 4 10 | 21 57 | 1 34 | 22 50 | 0 41 | 16 30 | 1 35 | 0 17 | 1 14 | 17 13 | 1 14 | 22 10 | 0 2 | 11 4 | 0 53 | 6 2 | 16 41 | 22 56 | 23 0 | 22 48 | 11 24 | 7 19 |
| T 10 | 20 40 | 24 6 | 3 23 | 22 6 | 1 24 | 22 53 | 0 38 | 16 39 | 1 35 | 0 21 | 1 14 | 17 15 | 1 14 | 22 10 | 0 2 | 11 4 | 0 53 | 6 1 | 16 41 | 22 56 | 23 0 | 22 47 | 11 25 | 7 19 |
| F 11 | 20 28 | 25 6 | 2 29 | 22 14 | 1 14 | 22 56 | 0 35 | 16 47 | 1 36 | 0 25 | 1 14 | 17 16 | 1 14 | 22 9 | 0 2 | 11 3 | 0 53 | 6 1 | 16 40 | 22 56 | 23 0 | 22 45 | 11 26 | 7 19 |
| S 12 | 20 15 | 24 57 | 1 28 | 22 22 | 1 4 | 22 58 | 0 32 | 16 55 | 1 36 | 0 29 | 1 14 | 17 18 | 1 14 | 22 9 | 0 2 | 11 2 | 0 53 | 6 1 | 16 40 | 22 56 | 23 0 | 22 44 | 11 27 | 7 19 |
| S 13 | 20 2 | 23 40 | 0 24 | 22 30 | 0 54 | 23 0 | 0 29 | 17 3 | 1 36 | 0 33 | 1 14 | 17 19 | 1 14 | 22 9 | 0 2 | 11 1 | 0 53 | 6 0 | 16 40 | 22 56 | 23 1 | 22 42 | 11 28 | 7 19 |
| M14 | 19 48 | 21 21 | 0s41 | 22 36 | 0 44 | 23 0 | 0 27 | 17 11 | 1 37 | 0 37 | 1 13 | 17 21 | 1 15 | 22 9 | 0 2 | 11 1 | 0 53 | 6 0 | 16 39 | 22 56 | 23 1 | 22 41 | 11 29 | 7 19 |
| T 15 | 19 35 | 18 7 | 1 45 | 22 42 | 0 34 | 23 0 | 0 24 | 17 19 | 1 37 | 0 42 | 1 13 | 17 22 | 1 15 | 22 9 | 0 2 | 11 0 | 0 53 | 5 59 | 16 39 | 22 56 | 23 1 | 22 39 | 11 30 | 7 19 |
| W16 | 19 20 | 14 7 | 2 44 | 22 46 | 0 25 | 22 59 | 0 21 | 17 28 | 1 37 | 0 46 | 1 13 | 17 24 | 1 15 | 22 8 | 0 2 | 10 59 | 0 53 | 5 59 | 16 39 | 22 56 | 23 2 | 22 38 | 11 31 | 7 19 |
| T 17 | 19 6 | 9 33 | 3 37 | 22 50 | 0 16 | 22 58 | 0 18 | 17 36 | 1 38 | 0 50 | 1 13 | 17 25 | 1 15 | 22 8 | 0 2 | 10 59 | 0 53 | 5 58 | 16 38 | 22 56 | 23 2 | 22 36 | 11 32 | 7 19 |
| F 18 | 18 51 | 4 34 | 4 20 | 22 53 | 0 7 | 22 56 | 0 15 | 17 44 | 1 38 | 0 55 | 1 13 | 17 27 | 1 15 | 22 8 | 0 2 | 10 58 | 0 53 | 5 58 | 16 38 | 22 57 | 23 2 | 22 35 | 11 33 | 7 19 |
| S 19 | 18 36 | 0s39 | 4 52 | 22 55 | 0s 2 | 22 53 | 0 12 | 17 52 | 1 38 | 0 59 | 1 12 | 17 29 | 1 15 | 22 8 | 0 2 | 10 57 | 0 53 | 5 57 | 16 38 | 22 57 | 23 2 | 22 33 | 11 34 | 7 19 |
| S 20 | 18 20 | 5 56 | 5 10 | 22 55 | 0 10 | 22 49 | 0 10 | 18 1 | 1 38 | 1 4 | 1 12 | 17 30 | 1 15 | 22 8 | 0 2 | 10 56 | 0 53 | 5 57 | 16 37 | 22 57 | 23 3 | 22 31 | 11 36 | 7 19 |
| M21 | 18 4 | 11 3 | 5 14 | 22 55 | 0 19 | 22 45 | 0 7 | 18 9 | 1 39 | 1 8 | 1 12 | 17 32 | 1 15 | 22 8 | 0 2 | 10 55 | 0 53 | 5 57 | 16 37 | 22 58 | 23 3 | 22 30 | 11 37 | 7 19 |
| T 22 | 17 48 | 15 48 | 5 1 | 22 53 | 0 27 | 22 40 | 0 4 | 18 17 | 1 39 | 1 13 | 1 12 | 17 33 | 1 16 | 22 8 | 0 2 | 10 55 | 0 53 | 5 56 | 16 36 | 22 58 | 23 3 | 22 28 | 11 38 | 7 19 |
| W23 | 17 32 | 19 53 | 4 32 | 22 50 | 0 34 | 22 35 | 0 1 | 18 25 | 1 39 | 1 17 | 1 12 | 17 35 | 1 16 | 22 7 | 0 2 | 10 54 | 0 53 | 5 56 | 16 36 | 22 58 | 23 3 | 22 27 | 11 39 | 7 19 |
| T 24 | 17 15 | 23 0 | 3 47 | 22 46 | 0 42 | 22 28 | 0s 1 | 18 34 | 1 39 | 1 22 | 1 11 | 17 36 | 1 16 | 22 7 | 0 2 | 10 53 | 0 53 | 5 55 | 16 36 | 22 58 | 23 4 | 22 25 | 11 40 | 7 19 |
| F 25 | 16 58 | 24 48 | 2 47 | 22 41 | 0 49 | 22 21 | 0 4 | 18 42 | 1 39 | 1 26 | 1 11 | 17 38 | 1 16 | 22 7 | 0 2 | 10 52 | 0 53 | 5 55 | 16 35 | 22 58 | 23 4 | 22 23 | 11 42 | 7 19 |
| S 26 | 16 40 | 25 0 | 1 35 | 22 35 | 0 56 | 22 14 | 0 7 | 18 50 | 1 40 | 1 31 | 1 11 | 17 39 | 1 16 | 22 7 | 0 2 | 10 52 | 0 53 | 5 54 | 16 35 | 22 58 | 23 4 | 22 22 | 11 43 | 7 18 |
| S 27 | 16 23 | 23 27 | 0 16 | 22 27 | 1 3 | 22 5 | 0 10 | 18 58 | 1 40 | 1 36 | 1 11 | 17 41 | 1 16 | 22 7 | 0 2 | 10 51 | 0 53 | 5 54 | 16 35 | 22 57 | 23 4 | 22 20 | 11 44 | 7 18 |
| M28 | 16 4 | 20 15 | 1n 6 | 22 18 | 1 9 | 21 56 | 0 12 | 19 6 | 1 40 | 1 41 | 1 11 | 17 42 | 1 16 | 22 7 | 0 2 | 10 50 | 0 53 | 5 53 | 16 34 | 22 58 | 23 5 | 22 19 | 11 45 | 7 18 |
| T 29 | 15 46 | 15 41 | 2 23 | 22 7 | 1 15 | 21 47 | 0 15 | 19 14 | 1 40 | 1 45 | 1 10 | 17 44 | 1 16 | 22 7 | 0 2 | 10 49 | 0 53 | 5 52 | 16 34 | 22 58 | 23 5 | 22 17 | 11 47 | 7 18 |
| W30 | 15 28 | 10 9 | 3 30 | 21 55 | 1 21 | 21 36 | 0 18 | 19 22 | 1 40 | 1 50 | 1 10 | 17 45 | 1 16 | 22 7 | 0 2 | 10 48 | 0 53 | 5 52 | 16 34 | 22 58 | 23 5 | 22 15 | 11 48 | 7 18 |
| T 31 | 15s 9 | 4s 8 | 4n21 | 21s42 | 1s27 | 21s25 | 0s20 | 19n31 | 1n40 | 1n55 | 1s10 | 17n47 | 1n16 | 22n 7 | 0n 2 | 10s48 | 0s53 | 5s51 | 16s33 | 22s59 | 23s 5 | 22n14 | 11n49 | 7s17 |

Julian Day Number = 2217432.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°47'58, Lahiri = 14°54'58 Julian Calendar 1 Jan. 1359 == Greg. Calendar 9 Jan. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## FEBRUARY 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 14 41 | 20♒ 6'36 | 23♓34 | 1♒11 | 26♉52 | 20♉51 | 7♈42 | 14°R20 | 10°R22 | 4♓20 | 24♈37 | 11°R56 | 10♉38 | 15♋25 | 5°R43 | F 1 |
| S 2 | 9 18 38 | 21° 7'07 | 7♈35 | 2°42 | 28° 6 | 21°20 | 7°54 | 14♌15 | 10♊21 | 4°23 | 24°37 | 11♉50 | 10°35 | 15°32 | 5♌38 | S 2 |
| S 3 | 9 22 34 | 22° 7'36 | 21° 8 | 4°15 | 29°21 | 21°50 | 8° 6 | 14°11 | 10°21 | 4°25 | 24°38 | 11°45 | 10°31 | 15°38 | 5°34 | S 3 |
| M 4 | 9 26 31 | 23° 8'04 | 4♉14 | 5°48 | 0♒35 | 22°20 | 8°19 | 14° 6 | 10°20 | 4°27 | 24°39 | 11°41 | 10°28 | 15°45 | 5°30 | M 4 |
| T 5 | 9 30 27 | 24° 8'29 | 16°55 | 7°22 | 1°50 | 22°50 | 8°31 | 14° 1 | 10°20 | 4°29 | 24°40 | 11°39 | 10°25 | 15°52 | 5°25 | T 5 |
| W 6 | 9 34 24 | 25° 8'52 | 29°14 | 8°57 | 3° 4 | 23°20 | 8°43 | 13°56 | 10°20 | 4°32 | 24°40 | 11°D39 | 10°22 | 15°58 | 5°21 | W 6 |
| T 7 | 9 38 20 | 26° 9'14 | 11♊18 | 10°33 | 4°19 | 23°50 | 8°56 | 13°51 | 10°20 | 4°34 | 24°41 | 11°40 | 10°19 | 16° 5 | 5°17 | T 7 |
| F 8 | 9 42 17 | 27° 9'33 | 23°11 | 12°10 | 5°33 | 24°21 | 9° 8 | 13°47 | 10°20 | 4°36 | 24°42 | 11°42 | 10°16 | 16°11 | 5°13 | F 8 |
| S 9 | 9 46 14 | 28° 9'51 | 4♋58 | 13°49 | 6°48 | 24°51 | 9°21 | 13°42 | 10°D20 | 4°38 | 24°43 | 11°43 | 10°12 | 16°18 | 5° 9 | S 9 |
| S 10 | 9 50 10 | 29°10'06 | 16°45 | 15°28 | 8° 2 | 25°22 | 9°33 | 13°38 | 10°20 | 4°41 | 24°44 | 11°R43 | 10° 9 | 16°25 | 5° 5 | S 10 |
| M11 | 9 54 7 | 0♓10'20 | 28°34 | 17° 8 | 9°16 | 25°53 | 9°46 | 13°33 | 10°20 | 4°43 | 24°44 | 11°41 | 10° 6 | 16°31 | 5° 1 | M11 |
| T 12 | 9 58 3 | 1°10'31 | 10♌30 | 18°49 | 10°31 | 26°24 | 9°59 | 13°28 | 10°20 | 4°45 | 24°45 | 11°37 | 10° 3 | 16°38 | 4°57 | T 12 |
| W13 | 10 2 0 | 2°10'41 | 22°35 | 20°31 | 11°45 | 26°55 | 10°12 | 13°24 | 10°20 | 4°47 | 24°46 | 11°31 | 10° 0 | 16°45 | 4°53 | W13 |
| T 14 | 10 5 56 | 3°10'49 | 4♍51 | 22°14 | 13° 0 | 27°26 | 10°25 | 13°19 | 10°21 | 4°50 | 24°47 | 11°23 | 9°57 | 16°51 | 4°49 | T 14 |
| F 15 | 10 9 53 | 4°10'54 | 17°18 | 23°59 | 14°14 | 27°57 | 10°37 | 13°15 | 10°21 | 4°52 | 24°48 | 11°13 | 9°53 | 16°58 | 4°46 | F 15 |
| S 16 | 10 13 49 | 5°10'58 | 29°57 | 25°44 | 15°29 | 28°29 | 10°50 | 13°11 | 10°21 | 4°54 | 24°49 | 11° 3 | 9°50 | 17° 5 | 4°42 | S 16 |
| S 17 | 10 17 46 | 6°11'00 | 12♎49 | 27°30 | 16°43 | 29° 0 | 11° 4 | 13° 6 | 10°22 | 4°57 | 24°50 | 10°53 | 9°47 | 17°11 | 4°38 | S 17 |
| M18 | 10 21 43 | 7°11'01 | 25°52 | 29°18 | 17°58 | 29°32 | 11°17 | 13° 2 | 10°22 | 4°59 | 24°51 | 10°45 | 9°44 | 17°18 | 4°35 | M18 |
| T 19 | 10 25 39 | 8°11'00 | 9♏ 8 | 1♓ 7 | 19°12 | 0♊ 4 | 11°30 | 12°58 | 10°23 | 5° 1 | 24°52 | 10°39 | 9°41 | 17°25 | 4°31 | T 19 |
| W20 | 10 29 36 | 9°10'57 | 22°37 | 2°56 | 20°27 | 0°36 | 11°43 | 12°54 | 10°23 | 5° 3 | 24°53 | 10°35 | 9°37 | 17°31 | 4°28 | W20 |
| T 21 | 10 33 32 | 10°10'52 | 6♐19 | 4°47 | 21°41 | 1° 8 | 11°56 | 12°50 | 10°24 | 5° 6 | 24°54 | 10°D34 | 9°34 | 17°38 | 4°25 | T 21 |
| F 22 | 10 37 29 | 11°10'46 | 20°15 | 6°39 | 22°55 | 1°40 | 12°10 | 12°46 | 10°24 | 5° 8 | 24°55 | 10°34 | 9°31 | 17°45 | 4°22 | F 22 |
| S 23 | 10 41 25 | 12°10'39 | 4♑25 | 8°32 | 24°10 | 2°12 | 12°23 | 12°42 | 10°25 | 5°10 | 24°56 | 10°R35 | 9°28 | 17°51 | 4°18 | S 23 |
| S 24 | 10 45 22 | 13°10'29 | 18°48 | 10°27 | 25°24 | 2°44 | 12°37 | 12°38 | 10°26 | 5°12 | 24°57 | 10°35 | 9°25 | 17°58 | 4°15 | S 24 |
| M25 | 10 49 18 | 14°10'18 | 3♒22 | 12°22 | 26°39 | 3°17 | 12°50 | 12°34 | 10°27 | 5°15 | 24°58 | 10°33 | 9°22 | 18° 4 | 4°12 | M25 |
| T 26 | 10 53 15 | 15°10'05 | 18° 1 | 14°18 | 27°53 | 3°49 | 13° 4 | 12°31 | 10°28 | 5°17 | 24°59 | 10°28 | 9°18 | 18°11 | 4° 9 | T 26 |
| W27 | 10 57 12 | 16° 9'50 | 2♓41 | 16°16 | 29° 7 | 4°22 | 13°17 | 12°27 | 10°29 | 5°19 | 25° 0 | 10°21 | 9°15 | 18°18 | 4° 7 | W27 |
| T 28 | 11 1 8 | 17♓ 9'33 | 17♓13 | 18♓14 | 0♓22 | 4♊54 | 13♈31 | 12♌23 | 10♊29 | 5♓21 | 25♈ 1 | 10♉11 | 9♉12 | 18♋24 | 4♌ 4 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s50 | 1n57 | 4n55 | 21s28 | 1s32 | 21s14 | 0s23 | 19n39 | 1n40 | 2n 0 | 1s10 | 17n48 | 1n17 | 22n 7 | 0n 2 | 10s47 | 0s53 | 5s51 | 16s33 | 22s59 | 23s 6 | 22n12 | 11n50 | 7s17 |
| S 2 | 14 31 | 7 46 | 5 10 | 21 12 | 1 37 | 21 2 | 0 25 | 19 46 | 1 41 | 2 5 | 1 10 | 17 50 | 1 17 | 22 7 | 0 2 | 10 46 | 0 53 | 5 50 | 16 33 | 23 0 | 23 6 | 22 10 | 11 52 | 7 17 |
| S 3 | 14 11 | 13 0 | 5 7 | 20 54 | 1 41 | 20 49 | 0 28 | 19 54 | 1 41 | 2 10 | 1 10 | 17 51 | 1 17 | 22 7 | 0 2 | 10 45 | 0 53 | 5 50 | 16 32 | 23 0 | 23 6 | 22 9 | 11 53 | 7 17 |
| M 4 | 13 51 | 17 28 | 4 47 | 20 36 | 1 46 | 20 35 | 0 30 | 20 2 | 1 41 | 2 15 | 1 9 | 17 53 | 1 17 | 22 7 | 0 2 | 10 44 | 0 53 | 5 49 | 16 32 | 23 0 | 23 6 | 22 7 | 11 54 | 7 16 |
| T 5 | 13 31 | 21 0 | 4 14 | 20 16 | 1 50 | 20 21 | 0 33 | 20 10 | 1 41 | 2 20 | 1 9 | 17 54 | 1 17 | 22 7 | 0 2 | 10 43 | 0 53 | 5 49 | 16 32 | 23 1 | 23 7 | 22 5 | 11 55 | 7 16 |
| W 6 | 13 11 | 23 28 | 3 30 | 19 54 | 1 53 | 20 6 | 0 35 | 20 18 | 1 41 | 2 25 | 1 9 | 17 56 | 1 17 | 22 6 | 0 2 | 10 43 | 0 53 | 5 48 | 16 32 | 23 1 | 23 7 | 22 4 | 11 57 | 7 16 |
| T 7 | 12 51 | 24 49 | 2 38 | 19 31 | 1 56 | 19 51 | 0 37 | 20 26 | 1 41 | 2 30 | 1 9 | 17 57 | 1 17 | 22 6 | 0 2 | 10 42 | 0 53 | 5 48 | 16 31 | 23 1 | 23 7 | 22 2 | 11 58 | 7 15 |
| F 8 | 12 30 | 25 0 | 1 39 | 19 7 | 1 59 | 19 35 | 0 40 | 20 33 | 1 41 | 2 35 | 1 9 | 17 59 | 1 17 | 22 6 | 0 2 | 10 41 | 0 53 | 5 47 | 16 31 | 23 0 | 23 7 | 22 0 | 11 59 | 7 15 |
| S 9 | 12 9 | 24 2 | 0 36 | 18 41 | 2 2 | 19 19 | 0 42 | 20 41 | 1 41 | 2 40 | 1 9 | 18 0 | 1 17 | 22 6 | 0 2 | 10 40 | 0 53 | 5 46 | 16 31 | 23 0 | 23 8 | 21 59 | 12 1 | 7 15 |
| S 10 | 11 48 | 22 1 | 0s27 | 18 14 | 2 4 | 19 2 | 0 44 | 20 48 | 1 41 | 2 45 | 1 8 | 18 1 | 1 17 | 22 6 | 0 2 | 10 39 | 0 53 | 5 46 | 16 30 | 23 0 | 23 8 | 21 57 | 12 2 | 7 14 |
| M11 | 11 27 | 19 3 | 1 30 | 17 45 | 2 5 | 18 45 | 0 46 | 20 56 | 1 41 | 2 50 | 1 8 | 18 3 | 1 17 | 22 7 | 0 2 | 10 39 | 0 53 | 5 45 | 16 30 | 23 0 | 23 8 | 21 55 | 12 3 | 7 14 |
| T 12 | 11 6 | 15 17 | 2 29 | 17 15 | 2 7 | 18 27 | 0 49 | 21 3 | 1 41 | 2 55 | 1 8 | 18 4 | 1 17 | 22 7 | 0 2 | 10 38 | 0 53 | 5 45 | 16 30 | 23 1 | 23 8 | 21 54 | 12 5 | 7 14 |
| W13 | 10 44 | 10 51 | 3 22 | 16 43 | 2 8 | 18 8 | 0 51 | 21 10 | 1 41 | 3 1 | 1 8 | 18 5 | 1 17 | 22 7 | 0 2 | 10 37 | 0 53 | 5 44 | 16 29 | 23 1 | 23 9 | 21 52 | 12 6 | 7 13 |
| T 14 | 10 22 | 5 57 | 4 6 | 16 10 | 2 8 | 17 49 | 0 53 | 21 18 | 1 41 | 3 6 | 1 8 | 18 7 | 1 17 | 22 7 | 0 2 | 10 36 | 0 53 | 5 44 | 16 29 | 23 2 | 23 9 | 21 50 | 12 7 | 7 13 |
| F 15 | 10 1 | 0 45 | 4 40 | 15 35 | 2 8 | 17 29 | 0 55 | 21 25 | 1 41 | 3 11 | 1 8 | 18 8 | 1 17 | 22 7 | 0 2 | 10 35 | 0 53 | 5 43 | 16 29 | 23 3 | 23 9 | 21 49 | 12 8 | 7 12 |
| S 16 | 9 39 | 4s34 | 5 0 | 14 59 | 2 8 | 17 9 | 0 57 | 21 32 | 1 41 | 3 16 | 1 8 | 18 9 | 1 17 | 22 7 | 0 2 | 10 34 | 0 53 | 5 42 | 16 29 | 23 4 | 23 9 | 21 47 | 12 10 | 7 12 |
| S 17 | 9 16 | 9 46 | 5 5 | 14 22 | 2 7 | 16 49 | 0 59 | 21 39 | 1 41 | 3 21 | 1 7 | 18 11 | 1 17 | 22 7 | 0 2 | 10 34 | 0 53 | 5 42 | 16 28 | 23 5 | 23 10 | 21 45 | 12 11 | 7 11 |
| M18 | 8 54 | 14 36 | 4 55 | 13 43 | 2 5 | 16 28 | 1 0 | 21 46 | 1 41 | 3 27 | 1 7 | 18 12 | 1 17 | 22 7 | 0 2 | 10 33 | 0 53 | 5 41 | 16 28 | 23 5 | 23 10 | 21 44 | 12 12 | 7 11 |
| T 19 | 8 32 | 18 50 | 4 29 | 13 3 | 2 4 | 16 6 | 1 2 | 21 53 | 1 41 | 3 32 | 1 7 | 18 13 | 1 18 | 22 7 | 0 2 | 10 32 | 0 53 | 5 41 | 16 28 | 23 6 | 23 10 | 21 42 | 12 14 | 7 10 |
| W20 | 8 9 | 22 9 | 3 48 | 12 21 | 2 1 | 15 44 | 1 4 | 22 0 | 1 41 | 3 37 | 1 7 | 18 14 | 1 18 | 22 7 | 0 2 | 10 31 | 0 53 | 5 40 | 16 28 | 23 6 | 23 10 | 21 40 | 12 15 | 7 10 |
| T 21 | 7 47 | 24 16 | 2 53 | 11 38 | 1 58 | 15 22 | 1 6 | 22 6 | 1 41 | 3 43 | 1 7 | 18 16 | 1 18 | 22 7 | 0 2 | 10 30 | 0 53 | 5 39 | 16 27 | 23 6 | 23 11 | 21 38 | 12 16 | 7 9 |
| F 22 | 7 24 | 24 56 | 1 47 | 10 53 | 1 55 | 14 59 | 1 7 | 22 13 | 1 41 | 3 48 | 1 7 | 18 17 | 1 18 | 22 7 | 0 2 | 10 29 | 0 53 | 5 39 | 16 27 | 23 6 | 23 11 | 21 37 | 12 17 | 7 9 |
| S 23 | 7 1 | 24 0 | 0 33 | 10 7 | 1 51 | 14 36 | 1 9 | 22 19 | 1 41 | 3 53 | 1 7 | 18 18 | 1 18 | 22 7 | 0 2 | 10 29 | 0 53 | 5 38 | 16 27 | 23 6 | 23 11 | 21 35 | 12 19 | 7 8 |
| S 24 | 6 38 | 21 29 | 0n44 | 9 19 | 1 47 | 14 12 | 1 10 | 22 26 | 1 41 | 3 59 | 1 7 | 18 19 | 1 18 | 22 7 | 0 2 | 10 28 | 0 53 | 5 38 | 16 27 | 23 6 | 23 11 | 21 33 | 12 20 | 7 8 |
| M25 | 6 15 | 17 33 | 1 58 | 8 31 | 1 42 | 13 48 | 1 12 | 22 32 | 1 41 | 4 4 | 1 6 | 18 20 | 1 18 | 22 8 | 0 2 | 10 27 | 0 53 | 5 37 | 16 26 | 23 6 | 23 11 | 21 31 | 12 21 | 7 7 |
| T 26 | 5 52 | 12 32 | 3 6 | 7 41 | 1 36 | 13 24 | 1 13 | 22 38 | 1 41 | 4 10 | 1 6 | 18 21 | 1 18 | 22 8 | 0 2 | 10 26 | 0 53 | 5 36 | 16 26 | 23 7 | 23 12 | 21 30 | 12 22 | 7 7 |
| W27 | 5 29 | 6 49 | 4 0 | 6 50 | 1 30 | 12 59 | 1 15 | 22 44 | 1 41 | 4 15 | 1 6 | 18 22 | 1 18 | 22 8 | 0 2 | 10 25 | 0 54 | 5 36 | 16 26 | 23 7 | 23 12 | 21 28 | 12 23 | 7 6 |
| T 28 | 5s 5 | 0s47 | 4n39 | 5s57 | 1s24 | 12s34 | 1s16 | 22n50 | 1n41 | 4n20 | 1s 6 | 18n23 | 1n18 | 22n 8 | 0n 2 | 10s25 | 0s54 | 5s35 | 16s26 | 23s 8 | 23s12 | 21n26 | 12n25 | 7s 5 |

Julian Day Number = 2217463.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'02, Lahiri = 14°55'02 Julian Calendar 1 Feb. 1359 == Greg. Calendar 9 Feb. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## MARCH 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 5 5 | 18♓ 9'14 | 1♈32 | 20♓13 | 1♓36 | 5♊27 | 13♈45 | 12°R20 | 10♊31 | 5♓24 | 25♈ 3 | 10°R 0 | 9♉ 9 | 18♋31 | 4°R 1 | F 1 |
| S 2 | 11 9 1 | 19° 8'53 | 15°29 | 22°12 | 2°51 | 6° 0 | 13°59 | 12♌16 | 10°32 | 5°26 | 25° 4 | 9♉49 | 9° 6 | 18°38 | 3♌59 | S 2 |
| S 3 | 11 12 58 | 20° 8'30 | 29° 3 | 24°13 | 4° 5 | 6°33 | 14°12 | 12°13 | 10°33 | 5°28 | 25° 5 | 9°39 | 9° 3 | 18°44 | 3°56 | S 3 |
| M 4 | 11 16 54 | 21° 8'04 | 12♉11 | 26°13 | 5°19 | 7° 6 | 14°26 | 12°10 | 10°34 | 5°30 | 25° 6 | 9°31 | 8°59 | 18°51 | 3°54 | M 4 |
| T 5 | 11 20 51 | 22° 7'37 | 24°55 | 28°14 | 6°34 | 7°39 | 14°40 | 12° 7 | 10°35 | 5°33 | 25° 7 | 9°25 | 8°56 | 18°58 | 3°52 | T 5 |
| W 6 | 11 24 47 | 23° 7'07 | 7♊17 | 0♈15 | 7°48 | 8°12 | 14°54 | 12° 4 | 10°36 | 5°35 | 25° 8 | 9°22 | 8°53 | 19° 4 | 3°49 | W 6 |
| T 7 | 11 28 44 | 24° 6'35 | 19°23 | 2°16 | 9° 2 | 8°45 | 15° 8 | 12° 1 | 10°38 | 5°37 | 25°10 | 9°D21 | 8°50 | 19°11 | 3°47 | T 7 |
| F 8 | 11 32 41 | 25° 6'00 | 1♋17 | 4°16 | 10°17 | 9°19 | 15°22 | 11°58 | 10°39 | 5°39 | 25°11 | 9°21 | 8°47 | 19°18 | 3°45 | F 8 |
| S 9 | 11 36 37 | 26° 5'23 | 13° 5 | 6°15 | 11°31 | 9°52 | 15°36 | 11°55 | 10°41 | 5°41 | 25°12 | 9°R21 | 8°43 | 19°24 | 3°44 | S 9 |
| S 10 | 11 40 34 | 27° 4'44 | 24°53 | 8°13 | 12°45 | 10°25 | 15°50 | 11°52 | 10°42 | 5°43 | 25°13 | 9°20 | 8°40 | 19°31 | 3°42 | S 10 |
| M11 | 11 44 30 | 28° 4'02 | 6♌45 | 10°10 | 14° 0 | 10°59 | 16° 4 | 11°50 | 10°44 | 5°46 | 25°15 | 9°17 | 8°37 | 19°38 | 3°40 | M11 |
| T 12 | 11 48 27 | 29° 3'18 | 18°46 | 12° 4 | 15°14 | 11°32 | 16°18 | 11°47 | 10°45 | 5°48 | 25°16 | 9°12 | 8°34 | 19°44 | 3°38 | T 12 |
| W13 | 11 52 23 | 0♈ 2'32 | 1♍ 0 | 13°56 | 16°28 | 12° 6 | 16°32 | 11°45 | 10°47 | 5°50 | 25°17 | 9° 4 | 8°31 | 19°51 | 3°37 | W13 |
| T 14 | 11 56 20 | 1° 1'44 | 13°28 | 15°46 | 17°42 | 12°40 | 16°46 | 11°42 | 10°48 | 5°52 | 25°18 | 8°53 | 8°28 | 19°57 | 3°36 | T 14 |
| F 15 | 12 0 16 | 2° 0'53 | 26°12 | 17°32 | 18°57 | 13°13 | 17° 0 | 11°40 | 10°50 | 5°54 | 25°20 | 8°40 | 8°24 | 20° 4 | 3°34 | F 15 |
| S 16 | 12 4 13 | 3° 0'00 | 9♎11 | 19°15 | 20°11 | 13°47 | 17°15 | 11°38 | 10°52 | 5°56 | 25°21 | 8°27 | 8°21 | 20°11 | 3°33 | S 16 |
| S 17 | 12 8 9 | 3°59'05 | 22°25 | 20°54 | 21°25 | 14°21 | 17°29 | 11°36 | 10°54 | 5°58 | 25°22 | 8°14 | 8°18 | 20°17 | 3°32 | S 17 |
| M18 | 12 12 6 | 4°58'09 | 5♏51 | 22°28 | 22°39 | 14°55 | 17°43 | 11°34 | 10°56 | 6° 0 | 25°23 | 8° 3 | 8°15 | 20°24 | 3°31 | M18 |
| T 19 | 12 16 3 | 5°57'10 | 19°28 | 23°58 | 23°54 | 15°29 | 17°57 | 11°32 | 10°58 | 6° 2 | 25°25 | 7°55 | 8°12 | 20°31 | 3°30 | T 19 |
| W20 | 12 19 59 | 6°56'10 | 3♐13 | 25°23 | 25° 8 | 16° 3 | 18°12 | 11°30 | 10°59 | 6° 4 | 25°26 | 7°50 | 8° 8 | 20°37 | 3°29 | W20 |
| T 21 | 12 23 56 | 7°55'08 | 17° 6 | 26°43 | 26°22 | 16°37 | 18°26 | 11°29 | 11° 1 | 6° 6 | 25°27 | 7°47 | 8° 5 | 20°44 | 3°29 | T 21 |
| F 22 | 12 27 52 | 8°54'04 | 1♑ 5 | 27°57 | 27°36 | 17°11 | 18°40 | 11°27 | 11° 3 | 6° 8 | 25°29 | 7°46 | 8° 2 | 20°51 | 3°28 | F 22 |
| S 23 | 12 31 49 | 9°52'58 | 15° 9 | 29° 6 | 28°50 | 17°46 | 18°54 | 11°26 | 11° 6 | 6°10 | 25°30 | 7°46 | 7°59 | 20°57 | 3°28 | S 23 |
| S 24 | 12 35 45 | 10°51'51 | 29°18 | 0♉ 9 | 0♈ 5 | 18°20 | 19° 9 | 11°24 | 11° 8 | 6°12 | 25°31 | 7°45 | 7°56 | 21° 4 | 3°27 | S 24 |
| M25 | 12 39 42 | 11°50'42 | 13♒32 | 1° 6 | 1°19 | 18°54 | 19°23 | 11°23 | 11°10 | 6°14 | 25°33 | 7°43 | 7°53 | 21°11 | 3°27 | M25 |
| T 26 | 12 43 38 | 12°49'31 | 27°47 | 1°58 | 2°33 | 19°28 | 19°37 | 11°22 | 11°12 | 6°16 | 25°34 | 7°38 | 7°49 | 21°17 | 3°27 | T 26 |
| W27 | 12 47 35 | 13°48'18 | 12♓ 0 | 2°43 | 3°47 | 20° 3 | 19°52 | 11°21 | 11°14 | 6°18 | 25°35 | 7°30 | 7°46 | 21°24 | 3°D27 | W27 |
| T 28 | 12 51 32 | 14°47'04 | 26° 7 | 3°21 | 5° 1 | 20°37 | 20° 6 | 11°20 | 11°17 | 6°20 | 25°37 | 7°19 | 7°43 | 21°31 | 3°27 | T 28 |
| F 29 | 12 55 28 | 15°45'47 | 10♈ 3 | 3°54 | 6°15 | 21°12 | 20°21 | 11°19 | 11°19 | 6°22 | 25°38 | 7° 7 | 7°40 | 21°37 | 3°27 | F 29 |
| S 30 | 12 59 25 | 16°44'29 | 23°43 | 4°20 | 7°29 | 21°46 | 20°35 | 11°19 | 11°21 | 6°24 | 25°39 | 6°55 | 7°37 | 21°44 | 3°27 | S 30 |
| S 31 | 13 3 21 | 17♈43'08 | 7♉ 5 | 4♉40 | 8♈44 | 22♊21 | 20♈49 | 11♌18 | 11♊24 | 6♓26 | 25♈41 | 6♉44 | 7♉34 | 21♋50 | 3♌28 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 4s42 | 5n11 | 4n59 | 5s 4 | 1s17 | 12s 8 | 1s17 | 22n56 | 1n40 | 4n26 | 1s 6 | 18n24 | 1n18 | 22n 8 | 0n 2 | 10s24 | 0s54 | 5s35 | 16s25 | 23s 9 | 23s12 | 21n24 | 12n26 | 7s 5 | F 1 |
| S 2 | 4 19 | 10 45 | 5 1 | 4 9 | 1 9 | 11 43 | 1 18 | 23 2 | 1 40 | 4 31 | 1 6 | 18 25 | 1 18 | 22 8 | 0 2 | 10 23 | 0 54 | 5 34 | 16 25 | 23 9 | 23 13 | 21 23 | 12 27 | 7 4 | S 2 |
| S 3 | 3 55 | 15 37 | 4 46 | 3 14 | 1 1 | 11 17 | 1 19 | 23 7 | 1 40 | 4 37 | 1 6 | 18 26 | 1 18 | 22 9 | 0 2 | 10 22 | 0 54 | 5 33 | 16 25 | 23 10 | 23 13 | 21 21 | 12 28 | 7 4 | S 3 |
| M 4 | 3 32 | 19 36 | 4 15 | 2 18 | 0 52 | 10 50 | 1 20 | 23 13 | 1 40 | 4 42 | 1 6 | 18 27 | 1 18 | 22 9 | 0 2 | 10 21 | 0 54 | 5 33 | 16 25 | 23 11 | 23 13 | 21 19 | 12 29 | 7 3 | M 4 |
| T 5 | 3 8 | 22 30 | 3 33 | 1 21 | 0 42 | 10 24 | 1 21 | 23 18 | 1 40 | 4 48 | 1 6 | 18 28 | 1 18 | 22 9 | 0 2 | 10 20 | 0 54 | 5 32 | 16 25 | 23 11 | 23 13 | 21 17 | 12 31 | 7 2 | T 5 |
| W 6 | 2 44 | 24 16 | 2 42 | 0 24 | 0 33 | 9 57 | 1 22 | 23 24 | 1 40 | 4 53 | 1 5 | 18 29 | 1 18 | 22 9 | 0 2 | 10 20 | 0 54 | 5 32 | 16 24 | 23 11 | 23 13 | 21 15 | 12 32 | 7 2 | W 6 |
| T 7 | 2 21 | 24 50 | 1 44 | 0n34 | 0 22 | 9 29 | 1 23 | 23 29 | 1 40 | 4 59 | 1 5 | 18 30 | 1 18 | 22 9 | 0 2 | 10 19 | 0 54 | 5 31 | 16 24 | 23 12 | 23 14 | 21 14 | 12 33 | 7 1 | T 7 |
| F 8 | 1 57 | 24 14 | 0 43 | 1 31 | 0 12 | 9 2 | 1 24 | 23 34 | 1 40 | 5 4 | 1 5 | 18 30 | 1 18 | 22 9 | 0 2 | 10 18 | 0 54 | 5 30 | 16 24 | 23 12 | 23 14 | 21 12 | 12 34 | 7 0 | F 8 |
| S 9 | 1 34 | 22 33 | 0s20 | 2 29 | 0 1 | 8 34 | 1 25 | 23 39 | 1 40 | 5 9 | 1 5 | 18 31 | 1 18 | 22 10 | 0 2 | 10 17 | 0 54 | 5 30 | 16 24 | 23 12 | 23 14 | 21 10 | 12 35 | 7 0 | S 9 |
| S 10 | 1 10 | 19 53 | 1 22 | 3 26 | 0n11 | 8 6 | 1 25 | 23 44 | 1 39 | 5 15 | 1 5 | 18 32 | 1 18 | 22 10 | 0 2 | 10 17 | 0 54 | 5 29 | 16 24 | 23 12 | 23 14 | 21 8 | 12 36 | 6 59 | S 10 |
| M11 | 0 46 | 16 24 | 2 20 | 4 23 | 0 23 | 7 38 | 1 26 | 23 48 | 1 39 | 5 20 | 1 5 | 18 33 | 1 18 | 22 10 | 0 2 | 10 16 | 0 54 | 5 29 | 16 23 | 23 12 | 23 15 | 21 6 | 12 37 | 6 58 | M11 |
| T 12 | 0 23 | 12 12 | 3 13 | 5 19 | 0 34 | 7 10 | 1 26 | 23 53 | 1 39 | 5 26 | 1 5 | 18 33 | 1 18 | 22 10 | 0 2 | 10 15 | 0 54 | 5 28 | 16 23 | 23 12 | 23 15 | 21 5 | 12 38 | 6 58 | T 12 |
| W13 | 0n 1 | 7 27 | 3 57 | 6 14 | 0 46 | 6 41 | 1 27 | 23 57 | 1 39 | 5 31 | 1 5 | 18 34 | 1 18 | 22 11 | 0 2 | 10 14 | 0 54 | 5 28 | 16 23 | 23 13 | 23 15 | 21 3 | 12 39 | 6 57 | W13 |
| T 14 | 0 25 | 2 20 | 4 32 | 7 7 | 0 58 | 6 13 | 1 27 | 24 2 | 1 39 | 5 37 | 1 5 | 18 35 | 1 18 | 22 11 | 0 2 | 10 13 | 0 54 | 5 27 | 16 23 | 23 13 | 23 15 | 21 1 | 12 40 | 6 56 | T 14 |
| F 15 | 0 48 | 2s58 | 4 53 | 7 59 | 1 10 | 5 44 | 1 27 | 24 6 | 1 39 | 5 42 | 1 5 | 18 35 | 1 18 | 22 11 | 0 2 | 10 13 | 0 54 | 5 26 | 16 23 | 23 14 | 23 15 | 20 59 | 12 41 | 6 55 | F 15 |
| S 16 | 1 12 | 8 15 | 5 0 | 8 50 | 1 22 | 5 15 | 1 28 | 24 10 | 1 39 | 5 48 | 1 5 | 18 36 | 1 17 | 22 11 | 0 2 | 10 12 | 0 54 | 5 26 | 16 23 | 23 15 | 23 16 | 20 57 | 12 42 | 6 55 | S 16 |
| S 17 | 1 35 | 13 15 | 4 51 | 9 38 | 1 34 | 4 46 | 1 28 | 24 14 | 1 39 | 5 53 | 1 5 | 18 36 | 1 17 | 22 12 | 0 2 | 10 11 | 0 54 | 5 25 | 16 23 | 23 16 | 23 16 | 20 55 | 12 43 | 6 54 | S 17 |
| M18 | 1 59 | 17 42 | 4 26 | 10 24 | 1 45 | 4 16 | 1 28 | 24 18 | 1 38 | 5 59 | 1 4 | 18 37 | 1 17 | 22 12 | 0 2 | 10 10 | 0 54 | 5 25 | 16 22 | 23 17 | 23 16 | 20 54 | 12 44 | 6 53 | M18 |
| T 19 | 2 22 | 21 17 | 3 46 | 11 7 | 1 56 | 3 47 | 1 28 | 24 21 | 1 38 | 6 5 | 1 4 | 18 37 | 1 17 | 22 12 | 0 2 | 10 10 | 0 54 | 5 24 | 16 22 | 23 17 | 23 16 | 20 52 | 12 45 | 6 53 | T 19 |
| W20 | 2 46 | 23 41 | 2 52 | 11 48 | 2 6 | 3 17 | 1 28 | 24 25 | 1 38 | 6 10 | 1 4 | 18 38 | 1 17 | 22 12 | 0 2 | 10 9 | 0 54 | 5 23 | 16 22 | 23 17 | 23 16 | 20 50 | 12 46 | 6 52 | W20 |
| T 21 | 3 9 | 24 40 | 1 47 | 12 27 | 2 16 | 2 48 | 1 28 | 24 28 | 1 38 | 6 16 | 1 4 | 18 38 | 1 17 | 22 13 | 0 2 | 10 8 | 0 54 | 5 23 | 16 22 | 23 18 | 23 17 | 20 48 | 12 47 | 6 51 | T 21 |
| F 22 | 3 32 | 24 6 | 0 35 | 13 2 | 2 25 | 2 18 | 1 28 | 24 32 | 1 38 | 6 21 | 1 4 | 18 39 | 1 17 | 22 13 | 0 2 | 10 8 | 0 54 | 5 22 | 16 22 | 23 18 | 23 17 | 20 46 | 12 47 | 6 50 | F 22 |
| S 23 | 3 56 | 22 1 | 0n39 | 13 35 | 2 33 | 1 48 | 1 28 | 24 35 | 1 38 | 6 27 | 1 4 | 18 39 | 1 17 | 22 13 | 0 2 | 10 7 | 0 54 | 5 22 | 16 22 | 23 18 | 23 17 | 20 44 | 12 48 | 6 50 | S 23 |
| S 24 | 4 19 | 18 33 | 1 51 | 14 4 | 2 41 | 1 18 | 1 27 | 24 38 | 1 37 | 6 32 | 1 4 | 18 39 | 1 17 | 22 14 | 0 2 | 10 6 | 0 54 | 5 21 | 16 22 | 23 18 | 23 17 | 20 42 | 12 49 | 6 49 | S 24 |
| M25 | 4 42 | 14 0 | 2 57 | 14 30 | 2 47 | 0 48 | 1 27 | 24 40 | 1 37 | 6 37 | 1 4 | 18 40 | 1 17 | 22 14 | 0 2 | 10 5 | 0 54 | 5 21 | 16 22 | 23 18 | 23 17 | 20 41 | 12 50 | 6 48 | M25 |
| T 26 | 5 5 | 8 40 | 3 52 | 14 54 | 2 53 | 0 18 | 1 27 | 24 43 | 1 37 | 6 43 | 1 4 | 18 40 | 1 17 | 22 14 | 0 2 | 10 5 | 0 54 | 5 20 | 16 22 | 23 18 | 23 17 | 20 39 | 12 51 | 6 47 | T 26 |
| W27 | 5 28 | 2 54 | 4 32 | 15 14 | 2 57 | 0n12 | 1 26 | 24 46 | 1 37 | 6 48 | 1 4 | 18 40 | 1 17 | 22 15 | 0 2 | 10 4 | 0 54 | 5 20 | 16 21 | 23 19 | 23 18 | 20 37 | 12 51 | 6 47 | W27 |
| T 28 | 5 51 | 2n58 | 4 55 | 15 30 | 3 1 | 0 42 | 1 26 | 24 48 | 1 37 | 6 54 | 1 4 | 18 40 | 1 17 | 22 15 | 0 2 | 10 3 | 0 54 | 5 19 | 16 21 | 23 19 | 23 18 | 20 35 | 12 52 | 6 46 | T 28 |
| F 29 | 6 13 | 8 35 | 5 0 | 15 44 | 3 3 | 1 11 | 1 25 | 24 50 | 1 37 | 6 59 | 1 4 | 18 41 | 1 17 | 22 15 | 0 2 | 10 3 | 0 54 | 5 18 | 16 21 | 23 20 | 23 18 | 20 33 | 12 53 | 6 45 | F 29 |
| S 30 | 6 36 | 13 42 | 4 48 | 15 54 | 3 4 | 1 41 | 1 24 | 24 52 | 1 36 | 7 5 | 1 4 | 18 41 | 1 17 | 22 16 | 0 2 | 10 2 | 0 54 | 5 18 | 16 21 | 23 20 | 23 18 | 20 31 | 12 53 | 6 44 | S 30 |
| S 31 | 6n59 | 18n 1 | 4n20 | 16n 1 | 3n 4 | 2n11 | 1s24 | 24n54 | 1n36 | 7n10 | 1s 4 | 18n41 | 1n17 | 22n16 | 0n 2 | 10s 1 | 0s54 | 5s17 | 16s21 | 23s21 | 23s18 | 20n29 | 12n54 | 6s44 | S 31 |

Julian Day Number = 2217491.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'06, Lahiri = 14°55'06 Julian Calendar 1 March 1359 == Greg. Calendar 9 March 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## APRIL 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 7 18 | 18♈41'46 | 20♉ 6 | 4♉54 | 9♈58 | 22♊56 | 21♈ 4 | 11°R17 | 11♊26 | 6♓27 | 25♈42 | 6°R34 | 7♑30 | 21♋57 | 3♌28 | M 1 |
| T 2 | 13 11 14 | 19°40'21 | 2♊46 | 5° 1 | 11°12 | 23°30 | 21°18 | 11♌17 | 11°29 | 6°29 | 25°44 | 6♑28 | 7°27 | 22° 4 | 3°29 | T 2 |
| W 3 | 13 15 11 | 20°38'54 | 15° 7 | 5°R 3 | 12°26 | 24° 5 | 21°32 | 11°17 | 11°31 | 6°31 | 25°45 | 6°23 | 7°24 | 22°10 | 3°30 | W 3 |
| T 4 | 13 19 7 | 21°37'26 | 27°13 | 4°59 | 13°40 | 24°40 | 21°47 | 11°17 | 11°34 | 6°33 | 25°46 | 6°22 | 7°21 | 22°17 | 3°30 | T 4 |
| F 5 | 13 23 4 | 22°35'55 | 9♋ 8 | 4°49 | 14°54 | 25°15 | 22° 1 | 11°D17 | 11°36 | 6°34 | 25°48 | 6°D21 | 7°18 | 22°24 | 3°31 | F 5 |
| S 6 | 13 27 1 | 23°34'22 | 20°58 | 4°34 | 16° 8 | 25°50 | 22°16 | 11°17 | 11°39 | 6°36 | 25°49 | 6°R22 | 7°14 | 22°30 | 3°32 | S 6 |
| S 7 | 13 30 57 | 24°32'46 | 2♌46 | 4°14 | 17°22 | 26°24 | 22°30 | 11°17 | 11°41 | 6°38 | 25°50 | 6°21 | 7°11 | 22°37 | 3°34 | S 7 |
| M 8 | 13 34 54 | 25°31'09 | 14°40 | 3°49 | 18°36 | 26°59 | 22°44 | 11°17 | 11°44 | 6°39 | 25°52 | 6°20 | 7° 8 | 22°44 | 3°35 | M 8 |
| T 9 | 13 38 50 | 26°29'29 | 26°45 | 3°21 | 19°50 | 27°34 | 22°59 | 11°17 | 11°47 | 6°41 | 25°53 | 6°16 | 7° 5 | 22°50 | 3°36 | T 9 |
| W10 | 13 42 47 | 27°27'47 | 9♍ 3 | 2°49 | 21° 4 | 28° 9 | 23°13 | 11°18 | 11°50 | 6°43 | 25°55 | 6° 9 | 7° 2 | 22°57 | 3°38 | W10 |
| T 11 | 13 46 43 | 28°26'04 | 21°39 | 2°15 | 22°18 | 28°44 | 23°27 | 11°19 | 11°52 | 6°44 | 25°56 | 6° 1 | 6°59 | 23° 4 | 3°39 | T 11 |
| F 12 | 13 50 40 | 29°24'18 | 4♎36 | 1°38 | 23°32 | 29°19 | 23°42 | 11°19 | 11°55 | 6°46 | 25°57 | 5°50 | 6°55 | 23°10 | 3°41 | F 12 |
| S 13 | 13 54 36 | 0♉22'30 | 17°52 | 1° 0 | 24°46 | 29°55 | 23°56 | 11°20 | 11°58 | 6°47 | 25°59 | 5°39 | 6°52 | 23°17 | 3°43 | S 13 |
| S 14 | 13 58 33 | 1°20'40 | 1♏27 | 0°21 | 26° 0 | 0♋30 | 24°10 | 11°21 | 12° 1 | 6°49 | 26° 0 | 5°29 | 6°49 | 23°24 | 3°44 | S 14 |
| M15 | 14 2 30 | 2°18'49 | 15°17 | 29♈42 | 27°14 | 1° 5 | 24°25 | 11°22 | 12° 4 | 6°50 | 26° 1 | 5°20 | 6°46 | 23°30 | 3°46 | M15 |
| T 16 | 14 6 26 | 3°16'56 | 29°19 | 29° 4 | 28°28 | 1°40 | 24°39 | 11°23 | 12° 7 | 6°52 | 26° 3 | 5°13 | 6°43 | 23°37 | 3°48 | T 16 |
| W17 | 14 10 23 | 4°15'02 | 13♐29 | 28°27 | 29°42 | 2°15 | 24°53 | 11°24 | 12°10 | 6°53 | 26° 4 | 5° 9 | 6°40 | 23°44 | 3°51 | W17 |
| T 18 | 14 14 19 | 5°13'06 | 27°43 | 27°52 | 0♉56 | 2°51 | 25° 8 | 11°26 | 12°13 | 6°55 | 26° 6 | 5° 7 | 6°36 | 23°50 | 3°53 | T 18 |
| F 19 | 14 18 16 | 6°11'09 | 11♑57 | 27°19 | 2°10 | 3°26 | 25°22 | 11°27 | 12°16 | 6°56 | 26° 7 | 5°D 7 | 6°33 | 23°57 | 3°55 | F 19 |
| S 20 | 14 22 12 | 7° 9'10 | 26° 9 | 26°50 | 3°24 | 4° 1 | 25°36 | 11°29 | 12°19 | 6°57 | 26° 8 | 5° 7 | 6°30 | 24° 3 | 3°58 | S 20 |
| S 21 | 14 26 9 | 8° 7'10 | 10♒17 | 26°24 | 4°37 | 4°37 | 25°50 | 11°30 | 12°22 | 6°59 | 26°10 | 5°R 8 | 6°27 | 24°10 | 4° 0 | S 21 |
| M22 | 14 30 5 | 9° 5'09 | 24°21 | 26° 2 | 5°51 | 5°12 | 26° 4 | 11°32 | 12°25 | 7° 0 | 26°11 | 5° 7 | 6°24 | 24°17 | 4° 3 | M22 |
| T 23 | 14 34 2 | 10° 3'06 | 8♓19 | 25°44 | 7° 5 | 5°48 | 26°19 | 11°34 | 12°28 | 7° 1 | 26°12 | 5° 4 | 6°20 | 24°23 | 4° 6 | T 23 |
| W24 | 14 37 59 | 11° 1'02 | 22° 9 | 25°30 | 8°19 | 6°23 | 26°33 | 11°36 | 12°31 | 7° 3 | 26°14 | 4°58 | 6°17 | 24°30 | 4° 9 | W24 |
| T 25 | 14 41 55 | 11°58'56 | 5♈50 | 25°20 | 9°33 | 6°58 | 26°47 | 11°38 | 12°34 | 7° 4 | 26°15 | 4°51 | 6°14 | 24°37 | 4°12 | T 25 |
| F 26 | 14 45 52 | 12°56'49 | 19°20 | 25°15 | 10°47 | 7°34 | 27° 1 | 11°40 | 12°37 | 7° 5 | 26°16 | 4°42 | 6°11 | 24°43 | 4°15 | F 26 |
| S 27 | 14 49 48 | 13°54'41 | 2♉36 | 25°D15 | 12° 1 | 8°10 | 27°15 | 11°42 | 12°41 | 7° 6 | 26°18 | 4°34 | 6° 8 | 24°50 | 4°18 | S 27 |
| S 28 | 14 53 45 | 14°52'31 | 15°38 | 25°19 | 13°15 | 8°45 | 27°29 | 11°45 | 12°44 | 7° 7 | 26°19 | 4°25 | 6° 5 | 24°57 | 4°21 | S 28 |
| M29 | 14 57 41 | 15°50'20 | 28°23 | 25°28 | 14°28 | 9°21 | 27°43 | 11°47 | 12°47 | 7° 8 | 26°20 | 4°19 | 6° 1 | 25° 3 | 4°24 | M29 |
| T 30 | 15 1 38 | 16♉48'08 | 10♊52 | 25♈42 | 15♉42 | 9♋56 | 27♈57 | 11♌50 | 12♊50 | 7♓ 9 | 26♈22 | 4♑14 | 5♑58 | 25♋10 | 4♌28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n21 | 21n21 | 3n39 | 16n 4 | 3n 3 | 2n41 | 1s23 | 24n56 | 1n36 | 7n16 | 1s 4 | 18n41 | 1n17 | 22n16 | 0n 2 | 10s 1 | 0s54 | 5s17 | 16s21 | 23s22 | 23s19 | 20n27 | 12n55 | 6s43 |
| T 2 | 7 43 | 23 32 | 2 48 | 16 4 | 3 0 | 3 11 | 1 22 | 24 57 | 1 36 | 7 21 | 1 4 | 18 41 | 1 17 | 22 17 | 0 2 | 10 0 | 0 54 | 5 16 | 16 21 | 23 22 | 23 19 | 20 25 | 12 55 | 6 42 |
| W 3 | 8 5 | 24 31 | 1 50 | 16 1 | 2 56 | 3 41 | 1 21 | 24 59 | 1 36 | 7 27 | 1 4 | 18 41 | 1 17 | 22 17 | 0 2 | 10 0 | 0 54 | 5 16 | 16 21 | 23 22 | 23 19 | 20 24 | 12 56 | 6 41 |
| T 4 | 8 27 | 24 18 | 0 48 | 15 54 | 2 50 | 4 11 | 1 20 | 25 0 | 1 35 | 7 32 | 1 4 | 18 41 | 1 17 | 22 17 | 0 2 | 9 59 | 0 54 | 5 15 | 16 21 | 23 22 | 23 19 | 20 22 | 12 56 | 6 41 |
| F 5 | 8 49 | 22 58 | 0s15 | 15 44 | 2 43 | 4 40 | 1 19 | 25 1 | 1 35 | 7 37 | 1 4 | 18 41 | 1 17 | 22 18 | 0 2 | 9 58 | 0 54 | 5 15 | 16 21 | 23 22 | 23 19 | 20 20 | 12 57 | 6 40 |
| S 6 | 9 11 | 20 37 | 1 17 | 15 31 | 2 35 | 5 10 | 1 18 | 25 2 | 1 35 | 7 43 | 1 4 | 18 41 | 1 17 | 22 18 | 0 2 | 9 58 | 0 54 | 5 14 | 16 21 | 23 22 | 23 19 | 20 18 | 12 57 | 6 39 |
| S 7 | 9 33 | 17 24 | 2 16 | 15 15 | 2 25 | 5 39 | 1 17 | 25 3 | 1 35 | 7 48 | 1 3 | 18 41 | 1 17 | 22 18 | 0 2 | 9 57 | 0 54 | 5 14 | 16 21 | 23 22 | 23 20 | 20 16 | 12 58 | 6 38 |
| M 8 | 9 54 | 13 28 | 3 9 | 14 57 | 2 15 | 6 9 | 1 16 | 25 4 | 1 35 | 7 54 | 1 3 | 18 41 | 1 17 | 22 19 | 0 2 | 9 57 | 0 54 | 5 13 | 16 21 | 23 22 | 23 20 | 20 14 | 12 58 | 6 37 |
| T 9 | 10 15 | 8 58 | 3 55 | 14 35 | 2 2 | 6 38 | 1 15 | 25 4 | 1 34 | 7 59 | 1 3 | 18 41 | 1 16 | 22 19 | 0 2 | 9 56 | 0 54 | 5 13 | 16 21 | 23 22 | 23 20 | 20 12 | 12 59 | 6 37 |
| W10 | 10 36 | 4 2 | 4 30 | 14 12 | 1 49 | 7 7 | 1 13 | 25 5 | 1 34 | 8 4 | 1 3 | 18 40 | 1 16 | 22 19 | 0 2 | 9 55 | 0 55 | 5 12 | 16 21 | 23 23 | 23 20 | 20 10 | 12 59 | 6 36 |
| T 11 | 10 57 | 1s11 | 4 54 | 13 47 | 1 35 | 7 36 | 1 12 | 25 5 | 1 34 | 8 10 | 1 3 | 18 40 | 1 16 | 22 20 | 0 2 | 9 55 | 0 55 | 5 12 | 16 21 | 23 23 | 23 20 | 20 8 | 13 0 | 6 35 |
| F 12 | 11 18 | 6 28 | 5 3 | 13 20 | 1 20 | 8 5 | 1 11 | 25 5 | 1 34 | 8 15 | 1 3 | 18 40 | 1 16 | 22 20 | 0 2 | 9 54 | 0 55 | 5 11 | 16 21 | 23 24 | 23 20 | 20 6 | 13 0 | 6 34 |
| S 13 | 11 39 | 11 35 | 4 56 | 12 51 | 1 4 | 8 33 | 1 9 | 25 5 | 1 33 | 8 20 | 1 3 | 18 40 | 1 16 | 22 21 | 0 2 | 9 54 | 0 55 | 5 11 | 16 21 | 23 24 | 23 21 | 20 4 | 13 0 | 6 34 |
| S 14 | 11 59 | 16 17 | 4 33 | 12 22 | 0 47 | 9 1 | 1 8 | 25 5 | 1 33 | 8 26 | 1 3 | 18 39 | 1 16 | 22 21 | 0 2 | 9 53 | 0 55 | 5 10 | 16 21 | 23 25 | 23 21 | 20 2 | 13 1 | 6 33 |
| M15 | 12 19 | 20 11 | 3 53 | 11 53 | 0 30 | 9 30 | 1 6 | 25 4 | 1 33 | 8 31 | 1 3 | 18 39 | 1 16 | 22 21 | 0 2 | 9 53 | 0 55 | 5 10 | 16 21 | 23 25 | 23 21 | 20 0 | 13 1 | 6 32 |
| T 16 | 12 39 | 22 59 | 2 59 | 11 23 | 0 13 | 9 58 | 1 5 | 25 4 | 1 33 | 8 36 | 1 3 | 18 39 | 1 16 | 22 22 | 0 2 | 9 52 | 0 55 | 5 9 | 16 21 | 23 25 | 23 21 | 19 58 | 13 1 | 6 31 |
| W17 | 12 59 | 24 22 | 1 53 | 10 54 | 0s 4 | 10 25 | 1 3 | 25 3 | 1 33 | 8 41 | 1 3 | 18 38 | 1 16 | 22 22 | 0 2 | 9 52 | 0 55 | 5 9 | 16 21 | 23 25 | 23 21 | 19 56 | 13 2 | 6 31 |
| T 18 | 13 18 | 24 10 | 0 39 | 10 25 | 0 21 | 10 53 | 1 1 | 25 2 | 1 32 | 8 47 | 1 3 | 18 38 | 1 16 | 22 23 | 0 2 | 9 51 | 0 55 | 5 9 | 16 21 | 23 25 | 23 21 | 19 54 | 13 2 | 6 30 |
| F 19 | 13 38 | 22 23 | 0n37 | 9 58 | 0 38 | 11 20 | 1 0 | 25 1 | 1 32 | 8 52 | 1 3 | 18 37 | 1 16 | 22 23 | 0 2 | 9 51 | 0 55 | 5 8 | 16 21 | 23 25 | 23 22 | 19 52 | 13 2 | 6 29 |
| S 20 | 13 57 | 19 11 | 1 50 | 9 32 | 0 55 | 11 47 | 0 58 | 25 0 | 1 32 | 8 57 | 1 3 | 18 37 | 1 16 | 22 23 | 0 3 | 9 50 | 0 55 | 5 8 | 16 21 | 23 25 | 23 22 | 19 50 | 13 2 | 6 28 |
| S 21 | 14 16 | 14 53 | 2 57 | 9 8 | 1 11 | 12 14 | 0 56 | 24 58 | 1 32 | 9 2 | 1 3 | 18 36 | 1 16 | 22 24 | 0 3 | 9 50 | 0 55 | 5 7 | 16 21 | 23 25 | 23 22 | 19 48 | 13 2 | 6 28 |
| M22 | 14 34 | 9 48 | 3 52 | 8 45 | 1 26 | 12 40 | 0 54 | 24 57 | 1 31 | 9 7 | 1 3 | 18 36 | 1 16 | 22 24 | 0 3 | 9 49 | 0 55 | 5 7 | 16 21 | 23 25 | 23 22 | 19 46 | 13 2 | 6 27 |
| T 23 | 14 53 | 4 15 | 4 34 | 8 25 | 1 40 | 13 6 | 0 52 | 24 55 | 1 31 | 9 12 | 1 3 | 18 35 | 1 16 | 22 25 | 0 3 | 9 49 | 0 55 | 5 6 | 16 21 | 23 26 | 23 22 | 19 45 | 13 2 | 6 26 |
| W24 | 15 11 | 1n27 | 4 59 | 8 7 | 1 54 | 13 32 | 0 50 | 24 53 | 1 31 | 9 18 | 1 3 | 18 35 | 1 16 | 22 25 | 0 3 | 9 48 | 0 55 | 5 6 | 16 21 | 23 26 | 23 22 | 19 43 | 13 2 | 6 25 |
| T 25 | 15 29 | 7 0 | 5 6 | 7 52 | 2 7 | 13 57 | 0 48 | 24 51 | 1 31 | 9 23 | 1 3 | 18 34 | 1 16 | 22 25 | 0 3 | 9 48 | 0 55 | 5 6 | 16 21 | 23 26 | 23 23 | 19 41 | 13 3 | 6 25 |
| F 26 | 15 47 | 12 9 | 4 56 | 7 39 | 2 19 | 14 23 | 0 46 | 24 49 | 1 30 | 9 28 | 1 3 | 18 33 | 1 16 | 22 26 | 0 3 | 9 48 | 0 55 | 5 5 | 16 21 | 23 26 | 23 23 | 19 39 | 13 3 | 6 24 |
| S 27 | 16 4 | 16 39 | 4 31 | 7 28 | 2 30 | 14 47 | 0 44 | 24 46 | 1 30 | 9 33 | 1 3 | 18 33 | 1 16 | 22 26 | 0 3 | 9 47 | 0 55 | 5 5 | 16 21 | 23 27 | 23 23 | 19 37 | 13 2 | 6 23 |
| S 28 | 16 21 | 20 16 | 3 51 | 7 20 | 2 40 | 15 12 | 0 42 | 24 44 | 1 30 | 9 38 | 1 3 | 18 32 | 1 15 | 22 27 | 0 3 | 9 47 | 0 55 | 5 5 | 16 22 | 23 27 | 23 23 | 19 34 | 13 2 | 6 23 |
| M29 | 16 38 | 22 48 | 3 1 | 7 15 | 2 50 | 15 36 | 0 40 | 24 41 | 1 30 | 9 43 | 1 3 | 18 31 | 1 15 | 22 27 | 0 3 | 9 46 | 0 55 | 5 4 | 16 22 | 23 27 | 23 23 | 19 32 | 13 2 | 6 22 |
| T 30 | 16n55 | 24n11 | 2n 3 | 7n12 | 2s58 | 15n59 | 0s38 | 24n38 | 1n29 | 9n48 | 1s 3 | 18n30 | 1n15 | 22n28 | 0n 3 | 9s46 | 0s55 | 5s 4 | 16s22 | 23s27 | 23s23 | 19n30 | 13n 2 | 6s21 |

Julian Day Number = 2217522.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'10, Lahiri = 14°55'10 Julian Calendar 1 Apr. 1359 == Greg. Calendar 9 Apr. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## MAY 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 5 34 | 17♉45'54 | 23♊ 7 | 26♈ 0 | 16♉56 | 10♋32 | 28♈11 | 11♌52 | 12♊54 | 7♓10 | 26♈23 | 4°R11 | 5♑55 | 25♋17 | 4♌31 | W 1 |
| T 2 | 15 9 31 | 18°43'38 | 5♋10 | 26°22 | 18°10 | 11° 8 | 28°25 | 11°55 | 12°57 | 7°11 | 26°24 | 4°D11 | 5°52 | 25°23 | 4°35 | T 2 |
| F 3 | 15 13 28 | 19°41'21 | 17° 3 | 26°49 | 19°24 | 11°44 | 28°39 | 11°58 | 13° 0 | 7°12 | 26°26 | 4♑11 | 5°49 | 25°30 | 4°39 | F 3 |
| S 4 | 15 17 24 | 20°39'02 | 28°52 | 27°20 | 20°37 | 12°19 | 28°53 | 12° 1 | 13° 4 | 7°13 | 26°27 | 4°13 | 5°46 | 25°37 | 4°43 | S 4 |
| S 5 | 15 21 21 | 21°36'42 | 10♌41 | 27°54 | 21°51 | 12°55 | 29° 6 | 12° 4 | 13° 7 | 7°14 | 26°28 | 4°14 | 5°42 | 25°43 | 4°46 | S 5 |
| M 6 | 15 25 17 | 22°34'20 | 22°36 | 28°33 | 23° 5 | 13°31 | 29°20 | 12° 7 | 13°11 | 7°15 | 26°29 | 4°R15 | 5°39 | 25°50 | 4°50 | M 6 |
| T 7 | 15 29 14 | 23°31'57 | 4♍40 | 29°16 | 24°19 | 14° 7 | 29°34 | 12°10 | 13°14 | 7°16 | 26°31 | 4°14 | 5°36 | 25°57 | 4°54 | T 7 |
| W 8 | 15 33 10 | 24°29'32 | 17° 0 | 0♉ 2 | 25°33 | 14°43 | 29°47 | 12°14 | 13°17 | 7°17 | 26°32 | 4°12 | 5°33 | 26° 3 | 4°59 | W 8 |
| T 9 | 15 37 7 | 25°27'05 | 29°39 | 0°52 | 26°46 | 15°19 | 0♉ 1 | 12°17 | 13°21 | 7°18 | 26°33 | 4° 8 | 5°30 | 26°10 | 5° 3 | T 9 |
| F 10 | 15 41 3 | 26°24'37 | 12♎40 | 1°45 | 28° 0 | 15°55 | 0°15 | 12°20 | 13°24 | 7°18 | 26°34 | 4° 3 | 5°26 | 26°17 | 5° 7 | F 10 |
| S 11 | 15 45 0 | 27°22'08 | 26° 5 | 2°42 | 29°14 | 16°31 | 0°28 | 12°24 | 13°28 | 7°19 | 26°36 | 3°57 | 5°23 | 26°23 | 5°12 | S 11 |
| S 12 | 15 48 57 | 28°19'37 | 9♏53 | 3°42 | 0♊28 | 17° 7 | 0°42 | 12°28 | 13°31 | 7°20 | 26°37 | 3°51 | 5°20 | 26°30 | 5°16 | S 12 |
| M13 | 15 52 53 | 29°17'06 | 24° 1 | 4°45 | 1°41 | 17°43 | 0°55 | 12°31 | 13°35 | 7°21 | 26°38 | 3°47 | 5°17 | 26°36 | 5°21 | M13 |
| T 14 | 15 56 50 | 0♊14'33 | 8♐26 | 5°52 | 2°55 | 18°19 | 1° 9 | 12°35 | 13°38 | 7°21 | 26°39 | 3°43 | 5°14 | 26°43 | 5°25 | T 14 |
| W15 | 16 0 46 | 1°12'00 | 23° 1 | 7° 1 | 4° 9 | 18°55 | 1°22 | 12°39 | 13°42 | 7°22 | 26°40 | 3°41 | 5°11 | 26°50 | 5°30 | W15 |
| T 16 | 16 4 43 | 2° 9'25 | 7♑40 | 8°14 | 5°22 | 19°31 | 1°35 | 12°43 | 13°45 | 7°22 | 26°41 | 3°D41 | 5° 7 | 26°56 | 5°35 | T 16 |
| F 17 | 16 8 39 | 3° 6'50 | 22°17 | 9°29 | 6°36 | 20° 7 | 1°49 | 12°47 | 13°49 | 7°23 | 26°43 | 3°42 | 5° 4 | 27° 3 | 5°40 | F 17 |
| S 18 | 16 12 36 | 4° 4'14 | 6♒46 | 10°47 | 7°50 | 20°43 | 2° 2 | 12°52 | 13°52 | 7°24 | 26°44 | 3°43 | 5° 1 | 27°10 | 5°45 | S 18 |
| S 19 | 16 16 32 | 5° 1'37 | 21° 5 | 12° 9 | 9° 4 | 21°19 | 2°15 | 12°56 | 13°56 | 7°24 | 26°45 | 3°44 | 4°58 | 27°16 | 5°50 | S 19 |
| M20 | 16 20 29 | 5°58'59 | 5♓11 | 13°33 | 10°17 | 21°55 | 2°28 | 13° 0 | 13°59 | 7°24 | 26°46 | 3°R45 | 4°55 | 27°23 | 5°55 | M20 |
| T 21 | 16 24 26 | 6°56'21 | 19° 3 | 15° 0 | 11°31 | 22°31 | 2°41 | 13° 5 | 14° 3 | 7°25 | 26°47 | 3°45 | 4°51 | 27°30 | 6° 0 | T 21 |
| W22 | 16 28 22 | 7°53'43 | 2♈40 | 16°29 | 12°45 | 23° 8 | 2°54 | 13° 9 | 14° 6 | 7°25 | 26°48 | 3°43 | 4°48 | 27°36 | 6° 5 | W22 |
| T 23 | 16 32 19 | 8°51'04 | 16° 2 | 18° 2 | 13°58 | 23°44 | 3° 7 | 13°14 | 14°10 | 7°26 | 26°49 | 3°40 | 4°45 | 27°43 | 6°11 | T 23 |
| F 24 | 16 36 15 | 9°48'24 | 29° 9 | 19°37 | 15°12 | 24°20 | 3°20 | 13°18 | 14°13 | 7°26 | 26°50 | 3°37 | 4°42 | 27°50 | 6°16 | F 24 |
| S 25 | 16 40 12 | 10°45'44 | 12♉ 3 | 21°15 | 16°26 | 24°57 | 3°33 | 13°23 | 14°17 | 7°26 | 26°51 | 3°33 | 4°39 | 27°56 | 6°22 | S 25 |
| S 26 | 16 44 8 | 11°43'03 | 24°43 | 22°56 | 17°40 | 25°33 | 3°45 | 13°28 | 14°20 | 7°26 | 26°52 | 3°30 | 4°36 | 28° 3 | 6°27 | S 26 |
| M27 | 16 48 5 | 12°40'22 | 7♊10 | 24°39 | 18°53 | 26° 9 | 3°58 | 13°33 | 14°24 | 7°27 | 26°53 | 3°27 | 4°32 | 28°10 | 6°33 | M27 |
| T 28 | 16 52 1 | 13°37'40 | 19°25 | 26°25 | 20° 7 | 26°46 | 4°11 | 13°38 | 14°28 | 7°27 | 26°54 | 3°26 | 4°29 | 28°16 | 6°38 | T 28 |
| W29 | 16 55 58 | 14°34'57 | 1♋30 | 28°14 | 21°21 | 27°22 | 4°23 | 13°43 | 14°31 | 7°27 | 26°55 | 3°D25 | 4°26 | 28°23 | 6°44 | W29 |
| T 30 | 16 59 55 | 15°32'14 | 13°26 | 0♊ 5 | 22°34 | 27°59 | 4°36 | 13°48 | 14°35 | 7°27 | 26°56 | 3°25 | 4°23 | 28°30 | 6°50 | T 30 |
| F 31 | 17 3 51 | 16♊29'30 | 25♋17 | 1♊59 | 23♊48 | 28♋35 | 4♉48 | 13♌53 | 14♊38 | 7♓27 | 26♈57 | 3♑26 | 4♑20 | 28♋36 | 6♌56 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 17n11 | 24n20 | 1n 0 | 7n12 | 3s 5 | 16n23 | 0s36 | 24n35 | 1n29 | 9n53 | 1s 3 | 18n30 | 1n15 | 22n28 | 0n 3 | 9s46 | 0s55 | 5s 3 | 16s22 | 23s27 | 23s23 | 19n28 | 13n 2 | 6s20 | |
| T 2 | 17 27 | 23 20 | 0s 5 | 7 14 | 3 11 | 16 45 | 0 34 | 24 32 | 1 29 | 9 58 | 1 3 | 18 29 | 1 15 | 22 28 | 0 3 | 9 45 | 0 55 | 5 3 | 16 22 | 23 27 | 23 24 | 19 26 | 13 2 | 6 20 | |
| F 3 | 17 43 | 21 17 | 1 9 | 7 19 | 3 17 | 17 8 | 0 32 | 24 28 | 1 29 | 10 3 | 1 3 | 18 28 | 1 15 | 22 29 | 0 3 | 9 45 | 0 55 | 5 3 | 16 22 | 23 27 | 23 24 | 19 24 | 13 2 | 6 19 | |
| S 4 | 17 59 | 18 20 | 2 10 | 7 26 | 3 21 | 17 30 | 0 29 | 24 25 | 1 28 | 10 7 | 1 3 | 18 27 | 1 15 | 22 29 | 0 3 | 9 45 | 0 55 | 5 2 | 16 22 | 23 27 | 23 24 | 19 22 | 13 2 | 6 18 | |
| S 5 | 18 14 | 14 39 | 3 5 | 7 35 | 3 24 | 17 51 | 0 27 | 24 21 | 1 28 | 10 12 | 1 3 | 18 26 | 1 15 | 22 30 | 0 3 | 9 44 | 0 55 | 5 2 | 16 22 | 23 27 | 23 24 | 19 20 | 13 1 | 6 18 | |
| M 6 | 18 29 | 10 22 | 3 53 | 7 46 | 3 27 | 18 12 | 0 25 | 24 17 | 1 28 | 10 17 | 1 3 | 18 25 | 1 15 | 22 30 | 0 3 | 9 44 | 0 55 | 5 2 | 16 22 | 23 27 | 23 24 | 19 18 | 13 1 | 6 17 | |
| T 7 | 18 43 | 5 38 | 4 31 | 8 0 | 3 29 | 18 33 | 0 23 | 24 13 | 1 28 | 10 22 | 1 3 | 18 24 | 1 15 | 22 31 | 0 3 | 9 44 | 0 56 | 5 1 | 16 23 | 23 27 | 23 24 | 19 16 | 13 1 | 6 16 | |
| W 8 | 18 58 | 0 35 | 4 57 | 8 15 | 3 29 | 18 53 | 0 20 | 24 9 | 1 27 | 10 27 | 1 3 | 18 23 | 1 15 | 22 31 | 0 3 | 9 44 | 0 56 | 5 1 | 16 23 | 23 27 | 23 24 | 19 14 | 13 0 | 6 16 | |
| T 9 | 19 11 | 4s36 | 5 10 | 8 32 | 3 30 | 19 13 | 0 18 | 24 5 | 1 27 | 10 32 | 1 4 | 18 22 | 1 15 | 22 31 | 0 3 | 9 43 | 0 56 | 5 1 | 16 23 | 23 27 | 23 24 | 19 12 | 13 0 | 6 15 | |
| F 10 | 19 25 | 9 44 | 5 7 | 8 52 | 3 29 | 19 32 | 0 16 | 24 0 | 1 27 | 10 36 | 1 4 | 18 21 | 1 15 | 22 32 | 0 3 | 9 43 | 0 56 | 5 1 | 16 23 | 23 28 | 23 25 | 19 10 | 13 0 | 6 14 | |
| S 11 | 19 38 | 14 34 | 4 48 | 9 12 | 3 27 | 19 50 | 0 13 | 23 56 | 1 26 | 10 41 | 1 4 | 18 20 | 1 15 | 22 32 | 0 3 | 9 43 | 0 56 | 5 0 | 16 23 | 23 28 | 23 25 | 19 8 | 12 59 | 6 14 | |
| S 12 | 19 51 | 18 48 | 4 12 | 9 35 | 3 25 | 20 8 | 0 11 | 23 51 | 1 26 | 10 46 | 1 4 | 18 19 | 1 15 | 22 33 | 0 3 | 9 43 | 0 56 | 5 0 | 16 23 | 23 28 | 23 25 | 19 6 | 12 59 | 6 13 | |
| M13 | 20 4 | 22 4 | 3 20 | 9 59 | 3 22 | 20 26 | 0 9 | 23 46 | 1 26 | 10 50 | 1 4 | 18 18 | 1 15 | 22 33 | 0 3 | 9 42 | 0 56 | 5 0 | 16 23 | 23 28 | 23 25 | 19 4 | 12 59 | 6 12 | |
| T 14 | 20 16 | 23 59 | 2 14 | 10 24 | 3 18 | 20 43 | 0 6 | 23 41 | 1 26 | 10 55 | 1 4 | 18 17 | 1 15 | 22 34 | 0 3 | 9 42 | 0 56 | 5 0 | 16 24 | 23 28 | 23 25 | 19 2 | 12 58 | 6 12 | |
| W15 | 20 28 | 24 18 | 0 58 | 10 51 | 3 14 | 20 59 | 0 4 | 23 36 | 1 25 | 11 0 | 1 4 | 18 16 | 1 15 | 22 34 | 0 3 | 9 42 | 0 56 | 4 59 | 16 24 | 23 28 | 23 25 | 19 0 | 12 58 | 6 11 | |
| T 16 | 20 40 | 22 56 | 0n22 | 11 19 | 3 9 | 21 15 | 0 1 | 23 30 | 1 25 | 11 4 | 1 4 | 18 15 | 1 15 | 22 34 | 0 3 | 9 42 | 0 56 | 4 59 | 16 24 | 23 28 | 23 25 | 18 58 | 12 57 | 6 10 | |
| F 17 | 20 51 | 20 2 | 1 40 | 11 48 | 3 4 | 21 30 | 0n 1 | 23 24 | 1 25 | 11 9 | 1 4 | 18 13 | 1 15 | 22 35 | 0 3 | 9 42 | 0 56 | 4 59 | 16 24 | 23 28 | 23 26 | 18 56 | 12 56 | 6 10 | |
| S 18 | 21 2 | 15 53 | 2 52 | 12 18 | 2 58 | 21 45 | 0 3 | 23 19 | 1 25 | 11 13 | 1 4 | 18 12 | 1 15 | 22 35 | 0 3 | 9 41 | 0 56 | 4 59 | 16 24 | 23 28 | 23 26 | 18 54 | 12 56 | 6 9 | |
| S 19 | 21 13 | 10 52 | 3 51 | 12 49 | 2 51 | 21 59 | 0 6 | 23 13 | 1 24 | 11 18 | 1 4 | 18 11 | 1 14 | 22 36 | 0 3 | 9 41 | 0 56 | 4 58 | 16 24 | 23 28 | 23 26 | 18 51 | 12 55 | 6 9 | |
| M20 | 21 23 | 5 22 | 4 36 | 13 21 | 2 44 | 22 12 | 0 8 | 23 7 | 1 24 | 11 22 | 1 4 | 18 10 | 1 14 | 22 36 | 0 3 | 9 41 | 0 56 | 4 58 | 16 25 | 23 28 | 23 26 | 18 49 | 12 55 | 6 8 | |
| T 21 | 21 33 | 0n19 | 5 4 | 13 54 | 2 36 | 22 25 | 0 10 | 23 1 | 1 24 | 11 27 | 1 4 | 18 8 | 1 14 | 22 37 | 0 3 | 9 41 | 0 56 | 4 58 | 16 25 | 23 28 | 23 26 | 18 47 | 12 54 | 6 7 | |
| W22 | 21 42 | 5 52 | 5 14 | 14 28 | 2 28 | 22 37 | 0 13 | 22 54 | 1 23 | 11 31 | 1 4 | 18 7 | 1 14 | 22 37 | 0 3 | 9 41 | 0 56 | 4 58 | 16 25 | 23 28 | 23 26 | 18 45 | 12 53 | 6 7 | |
| T 23 | 21 51 | 11 2 | 5 7 | 15 2 | 2 19 | 22 48 | 0 15 | 22 48 | 1 23 | 11 35 | 1 4 | 18 6 | 1 14 | 22 38 | 0 3 | 9 41 | 0 56 | 4 58 | 16 25 | 23 28 | 23 26 | 18 43 | 12 53 | 6 6 | |
| F 24 | 22 0 | 15 37 | 4 44 | 15 37 | 2 10 | 22 59 | 0 18 | 22 41 | 1 23 | 11 40 | 1 4 | 18 4 | 1 14 | 22 38 | 0 3 | 9 41 | 0 56 | 4 57 | 16 25 | 23 28 | 23 26 | 18 41 | 12 52 | 6 6 | |
| S 25 | 22 8 | 19 24 | 4 6 | 16 12 | 2 0 | 23 9 | 0 20 | 22 34 | 1 22 | 11 44 | 1 4 | 18 3 | 1 14 | 22 38 | 0 3 | 9 41 | 0 56 | 4 57 | 16 26 | 23 28 | 23 26 | 18 39 | 12 51 | 6 5 | |
| S 26 | 22 16 | 22 12 | 3 17 | 16 47 | 1 50 | 23 19 | 0 22 | 22 27 | 1 22 | 11 48 | 1 4 | 18 1 | 1 14 | 22 39 | 0 3 | 9 41 | 0 56 | 4 57 | 16 26 | 23 29 | 23 27 | 18 37 | 12 50 | 6 4 | |
| M27 | 22 24 | 23 53 | 2 20 | 17 23 | 1 40 | 23 28 | 0 25 | 22 20 | 1 22 | 11 53 | 1 4 | 18 0 | 1 14 | 22 39 | 0 3 | 9 41 | 0 56 | 4 57 | 16 26 | 23 29 | 23 27 | 18 35 | 12 49 | 6 4 | |
| T 28 | 22 31 | 24 22 | 1 17 | 17 58 | 1 30 | 23 36 | 0 27 | 22 13 | 1 22 | 11 57 | 1 4 | 17 58 | 1 14 | 22 40 | 0 3 | 9 41 | 0 56 | 4 57 | 16 26 | 23 29 | 23 27 | 18 32 | 12 49 | 6 3 | |
| W29 | 22 38 | 23 41 | 0 11 | 18 33 | 1 19 | 23 43 | 0 29 | 22 5 | 1 21 | 12 1 | 1 5 | 17 57 | 1 14 | 22 40 | 0 3 | 9 41 | 0 56 | 4 57 | 16 27 | 23 29 | 23 27 | 18 30 | 12 48 | 6 3 | |
| T 30 | 22 44 | 21 56 | 0s55 | 19 8 | 1 8 | 23 50 | 0 31 | 21 58 | 1 21 | 12 5 | 1 5 | 17 55 | 1 14 | 22 40 | 0 3 | 9 41 | 0 56 | 4 57 | 16 27 | 23 29 | 23 27 | 18 28 | 12 47 | 6 2 | |
| F 31 | 22n50 | 19n13 | 1s58 | 19n42 | 0s57 | 23n56 | 0n34 | 21n50 | 1n21 | 12n 9 | 1s 5 | 17n54 | 1n14 | 22n41 | 0n 3 | 9s41 | 0s56 | 4s56 | 16s27 | 23s29 | 23s27 | 18n26 | 12n46 | 6s 2 | |

Julian Day Number = 2217552.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'14, Lahiri = 14°55'15 Julian Calendar 1 May 1359 == Greg. Calendar 9 May 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## JUNE 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 7 48 | 17♊26'45 | 7♌ 5 | 3♊55 | 25♊ 2 | 29♋11 | 5♉ 1 | 13♌58 | 14♊42 | 7♓27 | 26♈58 | 3♑28 | 4♑17 | 28♋43 | 7♌ 2 | S 1 |
| S 2 | 17 11 44 | 18°24'00 | 18°54 | 5°53 | 26°15 | 29°48 | 5°13 | 14° 4 | 14°45 | 7°R27 | 26°59 | 3°29 | 4°13 | 28°50 | 7° 8 | S 2 |
| M 3 | 17 15 41 | 19°21'14 | 0♍48 | 7°54 | 27°29 | 0♌25 | 5°25 | 14° 9 | 14°49 | 7°27 | 27° 0 | 3°30 | 4°10 | 28°56 | 7°14 | M 3 |
| T 4 | 17 19 37 | 20°18'27 | 12°52 | 9°57 | 28°43 | 1° 1 | 5°37 | 14°15 | 14°53 | 7°27 | 27° 1 | 3°31 | 4° 7 | 29° 3 | 7°20 | T 4 |
| W 5 | 17 23 34 | 21°15'40 | 25°10 | 12° 1 | 29°56 | 1°38 | 5°49 | 14°20 | 14°56 | 7°27 | 27° 2 | 3°R31 | 4° 4 | 29°10 | 7°26 | W 5 |
| T 6 | 17 27 30 | 22°12'52 | 7♎47 | 14° 8 | 1♋10 | 2°14 | 6° 1 | 14°26 | 15° 0 | 7°27 | 27° 3 | 3°30 | 4° 1 | 29°16 | 7°33 | T 6 |
| F 7 | 17 31 27 | 23°10'03 | 20°47 | 16°15 | 2°24 | 2°51 | 6°13 | 14°31 | 15° 3 | 7°27 | 27° 4 | 3°30 | 3°57 | 29°23 | 7°39 | F 7 |
| S 8 | 17 35 24 | 24° 7'14 | 4♏11 | 18°24 | 3°37 | 3°28 | 6°25 | 14°37 | 15° 7 | 7°27 | 27° 5 | 3°29 | 3°54 | 29°30 | 7°45 | S 8 |
| S 9 | 17 39 20 | 25° 4'24 | 18° 1 | 20°34 | 4°51 | 4° 4 | 6°37 | 14°43 | 15°10 | 7°27 | 27° 5 | 3°27 | 3°51 | 29°36 | 7°52 | S 9 |
| M10 | 17 43 17 | 26° 1'34 | 2♐17 | 22°45 | 6° 4 | 4°41 | 6°48 | 14°49 | 15°14 | 7°26 | 27° 6 | 3°27 | 3°48 | 29°43 | 7°58 | M10 |
| T 11 | 17 47 13 | 26°58'43 | 16°54 | 24°56 | 7°18 | 5°18 | 7° 0 | 14°55 | 15°17 | 7°26 | 27° 7 | 3°26 | 3°45 | 29°50 | 8° 5 | T 11 |
| W12 | 17 51 10 | 27°55'53 | 1♑46 | 27° 7 | 8°32 | 5°54 | 7°11 | 15° 1 | 15°21 | 7°26 | 27° 8 | 3°D26 | 3°42 | 29°56 | 8°11 | W12 |
| T 13 | 17 55 6 | 28°53'02 | 16°46 | 29°17 | 9°45 | 6°31 | 7°23 | 15° 7 | 15°24 | 7°25 | 27° 9 | 3°26 | 3°38 | 0♌ 3 | 8°18 | T 13 |
| F 14 | 17 59 3 | 29°50'12 | 1♒46 | 1♋28 | 10°59 | 7° 8 | 7°34 | 15°13 | 15°28 | 7°25 | 27° 9 | 3°26 | 3°35 | 0°10 | 8°25 | F 14 |
| S 15 | 18 3 0 | 0♋47'21 | 16°37 | 3°37 | 12°13 | 7°45 | 7°45 | 15°19 | 15°31 | 7°25 | 27°10 | 3°27 | 3°32 | 0°16 | 8°31 | S 15 |
| S 16 | 18 6 56 | 1°44'30 | 1♓13 | 5°46 | 13°26 | 8°22 | 7°56 | 15°25 | 15°35 | 7°24 | 27°11 | 3°27 | 3°29 | 0°23 | 8°38 | S 16 |
| M17 | 18 10 53 | 2°41'40 | 15°30 | 7°54 | 14°40 | 8°58 | 8° 7 | 15°31 | 15°38 | 7°24 | 27°11 | 3°27 | 3°26 | 0°30 | 8°45 | M17 |
| T 18 | 18 14 49 | 3°38'50 | 29°26 | 10° 0 | 15°53 | 9°35 | 8°18 | 15°38 | 15°42 | 7°23 | 27°12 | 3°27 | 3°23 | 0°36 | 8°52 | T 18 |
| W19 | 18 18 46 | 4°36'00 | 12♈59 | 12° 5 | 17° 7 | 10°12 | 8°29 | 15°44 | 15°45 | 7°23 | 27°13 | 3°27 | 3°19 | 0°43 | 8°59 | W19 |
| T 20 | 18 22 42 | 5°33'11 | 26°12 | 14° 8 | 18°21 | 10°49 | 8°40 | 15°50 | 15°49 | 7°22 | 27°13 | 3°27 | 3°16 | 0°50 | 9° 6 | T 20 |
| F 21 | 18 26 39 | 6°30'22 | 9♉ 5 | 16°10 | 19°34 | 11°26 | 8°50 | 15°57 | 15°52 | 7°22 | 27°14 | 3°27 | 3°13 | 0°56 | 9°13 | F 21 |
| S 22 | 18 30 35 | 7°27'34 | 21°42 | 18°10 | 20°48 | 12° 3 | 9° 1 | 16° 3 | 15°55 | 7°21 | 27°14 | 3°28 | 3°10 | 1° 3 | 9°20 | S 22 |
| S 23 | 18 34 32 | 8°24'46 | 4♊ 5 | 20° 9 | 22° 2 | 12°40 | 9°11 | 16°10 | 15°59 | 7°20 | 27°15 | 3°28 | 3° 7 | 1°10 | 9°27 | S 23 |
| M24 | 18 38 29 | 9°21'58 | 16°16 | 22° 5 | 23°15 | 13°17 | 9°22 | 16°16 | 16° 2 | 7°20 | 27°16 | 3°28 | 3° 3 | 1°16 | 9°34 | M24 |
| T 25 | 18 42 25 | 10°19'11 | 28°18 | 24° 0 | 24°29 | 13°54 | 9°32 | 16°23 | 16° 5 | 7°19 | 27°16 | 3°R29 | 3° 0 | 1°23 | 9°41 | T 25 |
| W26 | 18 46 22 | 11°16'24 | 10♋14 | 25°53 | 25°42 | 14°31 | 9°42 | 16°30 | 16° 9 | 7°18 | 27°17 | 3°29 | 2°57 | 1°30 | 9°48 | W26 |
| T 27 | 18 50 18 | 12°13'37 | 22° 5 | 27°43 | 26°56 | 15° 9 | 9°52 | 16°36 | 16°12 | 7°18 | 27°17 | 3°28 | 2°54 | 1°36 | 9°56 | T 27 |
| F 28 | 18 54 15 | 13°10'51 | 3♌53 | 29°33 | 28°10 | 15°46 | 10° 2 | 16°43 | 16°15 | 7°17 | 27°18 | 3°27 | 2°51 | 1°43 | 10° 3 | F 28 |
| S 29 | 18 58 11 | 14° 8'05 | 15°42 | 1♌20 | 29°23 | 16°23 | 10°12 | 16°50 | 16°19 | 7°16 | 27°18 | 3°26 | 2°48 | 1°50 | 10°10 | S 29 |
| S 30 | 19 2 8 | 15♋ 5'19 | 27♌32 | 3♌ 5 | 0♌37 | 17♌ 0 | 10♉21 | 16♌57 | 16♊22 | 7♓15 | 27♈18 | 3♑24 | 2♑44 | 1♌56 | 10♌18 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 15n44 | 2s56 | 20n16 | 0s45 | 24n 2 | 0n36 | 21n42 | 1n20 | 12n13 | 1s 5 | 17n52 | 1n14 | 22n41 | 0n 3 | 9s41 | 0s57 | 4s56 | 16s27 | 23s29 | 23s27 | 18n24 | 12n45 | 6s 1 |
| S 2 | 23 1 | 11 38 | 3 46 | 20 48 | 0 34 | 24 6 | 0 38 | 21 34 | 1 20 | 12 17 | 1 5 | 17 51 | 1 14 | 22 42 | 0 3 | 9 41 | 0 57 | 4 56 | 16 28 | 23 29 | 23 27 | 18 22 | 12 44 | 6 1 |
| M 3 | 23 6 | 7 4 | 4 27 | 21 20 | 0 23 | 24 10 | 0 40 | 21 26 | 1 20 | 12 21 | 1 5 | 17 49 | 1 14 | 22 42 | 0 3 | 9 41 | 0 57 | 4 56 | 16 28 | 23 29 | 23 27 | 18 20 | 12 43 | 6 0 |
| T 4 | 23 10 | 2 11 | 4 57 | 21 50 | 0 11 | 24 13 | 0 42 | 21 18 | 1 19 | 12 25 | 1 5 | 17 48 | 1 14 | 22 43 | 0 3 | 9 41 | 0 57 | 4 56 | 16 28 | 23 29 | 23 27 | 18 18 | 12 42 | 6 0 |
| W 5 | 23 14 | 2s52 | 5 14 | 22 18 | 0 0 | 24 16 | 0 45 | 21 9 | 1 19 | 12 29 | 1 5 | 17 46 | 1 14 | 22 43 | 0 3 | 9 41 | 0 57 | 4 56 | 16 28 | 23 29 | 23 28 | 18 15 | 12 41 | 5 59 |
| T 6 | 23 18 | 7 56 | 5 16 | 22 45 | 0n11 | 24 18 | 0 47 | 21 1 | 1 19 | 12 33 | 1 5 | 17 44 | 1 14 | 22 43 | 0 3 | 9 41 | 0 57 | 4 56 | 16 29 | 23 29 | 23 28 | 18 13 | 12 40 | 5 59 |
| F 7 | 23 21 | 12 48 | 5 3 | 23 10 | 0 21 | 24 19 | 0 49 | 20 52 | 1 18 | 12 37 | 1 5 | 17 43 | 1 14 | 22 44 | 0 3 | 9 41 | 0 57 | 4 56 | 16 29 | 23 29 | 23 28 | 18 11 | 12 39 | 5 58 |
| S 8 | 23 23 | 17 14 | 4 33 | 23 32 | 0 32 | 24 19 | 0 51 | 20 43 | 1 18 | 12 41 | 1 5 | 17 41 | 1 14 | 22 44 | 0 3 | 9 41 | 0 57 | 4 56 | 16 29 | 23 29 | 23 28 | 18 9 | 12 38 | 5 58 |
| S 9 | 23 26 | 20 53 | 3 46 | 23 52 | 0 41 | 24 19 | 0 53 | 20 34 | 1 18 | 12 44 | 1 5 | 17 39 | 1 14 | 22 45 | 0 3 | 9 41 | 0 57 | 4 56 | 16 29 | 23 29 | 23 28 | 18 7 | 12 37 | 5 57 |
| M10 | 23 28 | 23 23 | 2 45 | 24 10 | 0 51 | 24 18 | 0 55 | 20 25 | 1 18 | 12 48 | 1 5 | 17 37 | 1 14 | 22 45 | 0 3 | 9 41 | 0 57 | 4 56 | 16 30 | 23 29 | 23 28 | 18 5 | 12 35 | 5 57 |
| T 11 | 23 29 | 24 23 | 1 31 | 24 25 | 1 0 | 24 16 | 0 57 | 20 16 | 1 17 | 12 52 | 1 6 | 17 36 | 1 14 | 22 45 | 0 3 | 9 41 | 0 57 | 4 56 | 16 30 | 23 29 | 23 28 | 18 2 | 12 34 | 5 56 |
| W12 | 23 30 | 23 40 | 0 9 | 24 37 | 1 8 | 24 13 | 0 59 | 20 6 | 1 17 | 12 56 | 1 6 | 17 34 | 1 14 | 22 46 | 0 3 | 9 42 | 0 57 | 4 56 | 16 30 | 23 29 | 23 28 | 18 0 | 12 33 | 5 56 |
| T 13 | 23 31 | 21 15 | 1n13 | 24 47 | 1 15 | 24 10 | 1 0 | 19 57 | 1 17 | 12 59 | 1 6 | 17 32 | 1 14 | 22 46 | 0 3 | 9 42 | 0 57 | 4 56 | 16 30 | 23 29 | 23 28 | 17 58 | 12 32 | 5 55 |
| F 14 | 23 31 | 17 23 | 2 31 | 24 53 | 1 22 | 24 6 | 1 2 | 19 47 | 1 16 | 13 3 | 1 6 | 17 30 | 1 14 | 22 47 | 0 3 | 9 42 | 0 57 | 4 56 | 16 31 | 23 29 | 23 28 | 17 56 | 12 30 | 5 55 |
| S 15 | 23 31 | 12 27 | 3 38 | 24 57 | 1 29 | 24 1 | 1 4 | 19 37 | 1 16 | 13 6 | 1 6 | 17 28 | 1 14 | 22 47 | 0 3 | 9 42 | 0 57 | 4 56 | 16 31 | 23 29 | 23 29 | 17 54 | 12 29 | 5 55 |
| S 16 | 23 31 | 6 53 | 4 29 | 24 58 | 1 34 | 23 56 | 1 6 | 19 27 | 1 16 | 13 10 | 1 6 | 17 27 | 1 14 | 22 47 | 0 3 | 9 42 | 0 57 | 4 56 | 16 31 | 23 29 | 23 29 | 17 52 | 12 28 | 5 54 |
| M17 | 23 30 | 1 5 | 5 2 | 24 56 | 1 39 | 23 50 | 1 7 | 19 17 | 1 15 | 13 13 | 1 6 | 17 25 | 1 14 | 22 48 | 0 3 | 9 42 | 0 57 | 4 56 | 16 32 | 23 29 | 23 29 | 17 49 | 12 26 | 5 54 |
| T 18 | 23 28 | 4n37 | 5 17 | 24 51 | 1 43 | 23 43 | 1 9 | 19 7 | 1 15 | 13 17 | 1 6 | 17 23 | 1 14 | 22 48 | 0 3 | 9 43 | 0 57 | 4 56 | 16 32 | 23 29 | 23 29 | 17 47 | 12 25 | 5 53 |
| W19 | 23 27 | 9 57 | 5 13 | 24 44 | 1 46 | 23 35 | 1 11 | 18 57 | 1 15 | 13 20 | 1 6 | 17 21 | 1 14 | 22 48 | 0 3 | 9 43 | 0 57 | 4 56 | 16 32 | 23 29 | 23 29 | 17 45 | 12 24 | 5 53 |
| T 20 | 23 24 | 14 41 | 4 53 | 24 34 | 1 49 | 23 27 | 1 12 | 18 46 | 1 14 | 13 23 | 1 6 | 17 19 | 1 14 | 22 49 | 0 3 | 9 43 | 0 57 | 4 56 | 16 32 | 23 29 | 23 29 | 17 43 | 12 22 | 5 53 |
| F 21 | 23 22 | 18 39 | 4 18 | 24 22 | 1 51 | 23 18 | 1 14 | 18 36 | 1 14 | 13 27 | 1 7 | 17 17 | 1 14 | 22 49 | 0 3 | 9 43 | 0 57 | 4 56 | 16 33 | 23 29 | 23 29 | 17 41 | 12 21 | 5 52 |
| S 22 | 23 19 | 21 40 | 3 32 | 24 8 | 1 52 | 23 9 | 1 15 | 18 25 | 1 14 | 13 30 | 1 7 | 17 15 | 1 14 | 22 50 | 0 3 | 9 44 | 0 57 | 4 56 | 16 33 | 23 29 | 23 29 | 17 38 | 12 19 | 5 52 |
| S 23 | 23 15 | 23 36 | 2 36 | 23 51 | 1 52 | 22 58 | 1 16 | 18 14 | 1 13 | 13 33 | 1 7 | 17 13 | 1 14 | 22 50 | 0 3 | 9 44 | 0 57 | 4 56 | 16 33 | 23 29 | 23 29 | 17 36 | 12 18 | 5 51 |
| M24 | 23 11 | 24 22 | 1 34 | 23 33 | 1 52 | 22 47 | 1 18 | 18 3 | 1 13 | 13 36 | 1 7 | 17 11 | 1 14 | 22 50 | 0 3 | 9 44 | 0 57 | 4 56 | 16 34 | 23 29 | 23 29 | 17 34 | 12 16 | 5 51 |
| T 25 | 23 7 | 23 59 | 0 29 | 23 12 | 1 51 | 22 36 | 1 19 | 17 52 | 1 12 | 13 39 | 1 7 | 17 9 | 1 14 | 22 51 | 0 3 | 9 45 | 0 58 | 4 57 | 16 34 | 23 29 | 23 29 | 17 32 | 12 15 | 5 51 |
| W26 | 23 3 | 22 30 | 0s37 | 22 50 | 1 49 | 22 23 | 1 20 | 17 41 | 1 12 | 13 43 | 1 7 | 17 7 | 1 14 | 22 51 | 0 3 | 9 45 | 0 58 | 4 57 | 16 34 | 23 29 | 23 29 | 17 30 | 12 13 | 5 50 |
| T 27 | 22 57 | 20 2 | 1 41 | 22 26 | 1 47 | 22 10 | 1 21 | 17 30 | 1 12 | 13 46 | 1 7 | 17 5 | 1 14 | 22 51 | 0 3 | 9 45 | 0 58 | 4 57 | 16 35 | 23 29 | 23 29 | 17 27 | 12 12 | 5 50 |
| F 28 | 22 52 | 16 45 | 2 41 | 22 1 | 1 45 | 21 57 | 1 22 | 17 18 | 1 11 | 13 49 | 1 7 | 17 3 | 1 14 | 22 52 | 0 3 | 9 45 | 0 58 | 4 57 | 16 35 | 23 29 | 23 30 | 17 25 | 12 10 | 5 50 |
| S 29 | 22 46 | 12 47 | 3 33 | 21 35 | 1 41 | 21 43 | 1 23 | 17 7 | 1 11 | 13 52 | 1 7 | 17 1 | 1 14 | 22 52 | 0 3 | 9 46 | 0 58 | 4 57 | 16 35 | 23 29 | 23 30 | 17 23 | 12 9 | 5 49 |
| S 30 | 22n40 | 8n21 | 4s17 | 21n 7 | 1n37 | 21n28 | 1n24 | 16n55 | 1n11 | 13n54 | 1s 8 | 16n59 | 1n14 | 22n52 | 0n 3 | 9s46 | 0s58 | 4s57 | 16s36 | 23s29 | 23s30 | 17n21 | 12n 7 | 5s49 |

Julian Day Number = 2217583.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'18, Lahiri = 14°55'19 Julian Calendar 1 June 1359 == Greg. Calendar 9 June 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## JULY 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 6 4 | 16♋ 2'33 | 9♍29 | 4♌48 | 1♌50 | 17♌37 | 10♉31 | 17♌ 4 | 16♊25 | 7°R14 | 27♈19 | 3°R23 | 2♑41 | 2♌ 3 | 10♌25 | M 1 |
| T 2 | 19 10 1 | 16°59'48 | 21°34 | 6°30 | 3° 4 | 18°15 | 10°40 | 17°11 | 16°28 | 7♓14 | 27°19 | 3♑21 | 2°38 | 2°10 | 10°33 | T 2 |
| W 3 | 19 13 58 | 17°57'03 | 3♎51 | 8°10 | 4°17 | 18°52 | 10°50 | 17°18 | 16°31 | 7°13 | 27°20 | 3°20 | 2°35 | 2°16 | 10°40 | W 3 |
| T 4 | 19 17 54 | 18°54'18 | 16°26 | 9°48 | 5°31 | 19°29 | 10°59 | 17°25 | 16°35 | 7°12 | 27°20 | 3°D20 | 2°32 | 2°23 | 10°47 | T 4 |
| F 5 | 19 21 51 | 19°51'34 | 29°20 | 11°23 | 6°45 | 20° 7 | 11° 8 | 17°32 | 16°38 | 7°11 | 27°20 | 3°20 | 2°29 | 2°29 | 10°55 | F 5 |
| S 6 | 19 25 47 | 20°48'50 | 12♏38 | 12°58 | 7°58 | 20°44 | 11°17 | 17°39 | 16°41 | 7°10 | 27°21 | 3°21 | 2°25 | 2°36 | 11° 3 | S 6 |
| S 7 | 19 29 44 | 21°46'06 | 26°22 | 14°30 | 9°12 | 21°21 | 11°26 | 17°46 | 16°44 | 7° 9 | 27°21 | 3°22 | 2°22 | 2°43 | 11°10 | S 7 |
| M 8 | 19 33 40 | 22°43'23 | 10♐33 | 16° 0 | 10°25 | 21°59 | 11°34 | 17°53 | 16°47 | 7° 8 | 27°21 | 3°23 | 2°19 | 2°49 | 11°18 | M 8 |
| T 9 | 19 37 37 | 23°40'40 | 25° 8 | 17°28 | 11°39 | 22°36 | 11°43 | 18° 0 | 16°50 | 7° 7 | 27°21 | 3°24 | 2°16 | 2°56 | 11°25 | T 9 |
| W10 | 19 41 33 | 24°37'58 | 10♑ 4 | 18°55 | 12°52 | 23°14 | 11°51 | 18° 7 | 16°53 | 7° 5 | 27°22 | 3°R24 | 2°13 | 3° 3 | 11°33 | W10 |
| T 11 | 19 45 30 | 25°35'17 | 25°13 | 20°20 | 14° 6 | 23°51 | 11°59 | 18°15 | 16°56 | 7° 4 | 27°22 | 3°23 | 2° 9 | 3° 9 | 11°41 | T 11 |
| F 12 | 19 49 27 | 26°32'36 | 10♒27 | 21°42 | 15°19 | 24°29 | 12° 8 | 18°22 | 16°59 | 7° 3 | 27°22 | 3°21 | 2° 6 | 3°16 | 11°48 | F 12 |
| S 13 | 19 53 23 | 27°29'56 | 25°35 | 23° 3 | 16°33 | 25° 6 | 12°16 | 18°29 | 17° 2 | 7° 2 | 27°22 | 3°18 | 2° 3 | 3°23 | 11°56 | S 13 |
| S 14 | 19 57 20 | 28°27'17 | 10♓28 | 24°21 | 17°46 | 25°44 | 12°23 | 18°36 | 17° 5 | 7° 1 | 27°22 | 3°15 | 2° 0 | 3°29 | 12° 4 | S 14 |
| M15 | 20 1 16 | 29°24'39 | 25° 0 | 25°38 | 19° 0 | 26°21 | 12°31 | 18°44 | 17° 8 | 7° 0 | 27°22 | 3°12 | 1°57 | 3°36 | 12°12 | M15 |
| T 16 | 20 5 13 | 0♌22'02 | 9♈ 5 | 26°52 | 20°13 | 26°59 | 12°39 | 18°51 | 17°10 | 6°58 | 27°23 | 3° 9 | 1°54 | 3°43 | 12°19 | T 16 |
| W17 | 20 9 9 | 1°19'27 | 22°42 | 28° 4 | 21°27 | 27°37 | 12°46 | 18°58 | 17°13 | 6°57 | 27°23 | 3° 8 | 1°50 | 3°49 | 12°27 | W17 |
| T 18 | 20 13 6 | 2°16'53 | 5♉54 | 29°14 | 22°40 | 28°14 | 12°54 | 19° 6 | 17°16 | 6°56 | 27°23 | 3°D 7 | 1°47 | 3°56 | 12°35 | T 18 |
| F 19 | 20 17 2 | 3°14'20 | 18°42 | 0♍21 | 23°54 | 28°52 | 13° 1 | 19°13 | 17°19 | 6°55 | 27°23 | 3° 8 | 1°44 | 4° 3 | 12°43 | F 19 |
| S 20 | 20 20 59 | 4°11'48 | 1♊10 | 1°26 | 25° 7 | 29°30 | 13° 8 | 19°21 | 17°21 | 6°53 | 27°R23 | 3°10 | 1°41 | 4° 9 | 12°51 | S 20 |
| S 21 | 20 24 56 | 5° 9'18 | 13°23 | 2°28 | 26°20 | 0♍ 8 | 13°15 | 19°28 | 17°24 | 6°52 | 27°23 | 3°11 | 1°38 | 4°16 | 12°59 | S 21 |
| M22 | 20 28 52 | 6° 6'49 | 25°24 | 3°28 | 27°34 | 0°45 | 13°21 | 19°36 | 17°27 | 6°51 | 27°23 | 3°13 | 1°35 | 4°23 | 13° 6 | M22 |
| T 23 | 20 32 49 | 7° 4'22 | 7♋18 | 4°25 | 28°47 | 1°23 | 13°28 | 19°43 | 17°29 | 6°49 | 27°23 | 3°R13 | 1°31 | 4°30 | 13°14 | T 23 |
| W24 | 20 36 45 | 8° 1'55 | 19° 8 | 5°19 | 0♍ 1 | 2° 1 | 13°34 | 19°51 | 17°32 | 6°48 | 27°23 | 3°12 | 1°28 | 4°36 | 13°22 | W24 |
| T 25 | 20 40 42 | 8°59'30 | 0♌56 | 6°10 | 1°14 | 2°39 | 13°41 | 19°58 | 17°34 | 6°47 | 27°23 | 3° 9 | 1°25 | 4°43 | 13°30 | T 25 |
| F 26 | 20 44 38 | 9°57'06 | 12°44 | 6°57 | 2°27 | 3°17 | 13°47 | 20° 6 | 17°37 | 6°45 | 27°22 | 3° 4 | 1°22 | 4°50 | 13°38 | F 26 |
| S 27 | 20 48 35 | 10°54'44 | 24°36 | 7°42 | 3°41 | 3°55 | 13°52 | 20°13 | 17°39 | 6°44 | 27°22 | 2°58 | 1°19 | 4°56 | 13°46 | S 27 |
| S 28 | 20 52 31 | 11°52'22 | 6♍32 | 8°23 | 4°54 | 4°33 | 13°58 | 20°21 | 17°42 | 6°42 | 27°22 | 2°51 | 1°15 | 5° 3 | 13°54 | S 28 |
| M29 | 20 56 28 | 12°50'02 | 18°34 | 8°59 | 6° 8 | 5°11 | 14° 4 | 20°28 | 17°44 | 6°41 | 27°22 | 2°44 | 1°12 | 5°10 | 14° 2 | M29 |
| T 30 | 21 0 25 | 13°47'43 | 0♎45 | 9°32 | 7°21 | 5°49 | 14° 9 | 20°36 | 17°47 | 6°39 | 27°22 | 2°37 | 1° 9 | 5°16 | 14°10 | T 30 |
| W31 | 21 4 21 | 14♌45'24 | 13♎ 7 | 10♍ 1 | 8♍34 | 6♍27 | 14♉14 | 20♌44 | 17♊49 | 6♓38 | 27♈22 | 2♑31 | 1♑ 6 | 5♌23 | 14♌18 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n33 | 3n34 | 4s49 | 20n38 | 1n33 | 21n12 | 1n25 | 16n43 | 1n10 | 13n57 | 1s 8 | 16n57 | 1n14 | 22n53 | 0n 3 | 9s46 | 0s58 | 4s57 | 16s36 | 23s29 | 23s30 | 17n19 | 12n 5 | 5s49 |
| T 2 | 22 26 | 1s23 | 5 10 | 20 8 | 1 28 | 20 56 | 1 26 | 16 31 | 1 10 | 14 0 | 1 8 | 16 55 | 1 14 | 22 53 | 0 3 | 9 47 | 0 58 | 4 58 | 16 36 | 23 29 | 23 30 | 17 16 | 12 4 | 5 48 |
| W 3 | 22 19 | 6 22 | 5 16 | 19 37 | 1 23 | 20 40 | 1 27 | 16 19 | 1 10 | 14 3 | 1 8 | 16 53 | 1 14 | 22 53 | 0 3 | 9 47 | 0 58 | 4 58 | 16 37 | 23 29 | 23 30 | 17 14 | 12 2 | 5 48 |
| T 4 | 22 11 | 11 13 | 5 8 | 19 6 | 1 17 | 20 22 | 1 28 | 16 7 | 1 9 | 14 6 | 1 8 | 16 50 | 1 14 | 22 54 | 0 3 | 9 48 | 0 58 | 4 58 | 16 37 | 23 29 | 23 30 | 17 12 | 12 0 | 5 48 |
| F 5 | 22 3 | 15 42 | 4 44 | 18 33 | 1 11 | 20 5 | 1 28 | 15 55 | 1 9 | 14 8 | 1 8 | 16 48 | 1 14 | 22 54 | 0 3 | 9 48 | 0 58 | 4 58 | 16 37 | 23 29 | 23 30 | 17 10 | 11 59 | 5 48 |
| S 6 | 21 54 | 19 34 | 4 5 | 18 0 | 1 4 | 19 46 | 1 29 | 15 43 | 1 9 | 14 11 | 1 8 | 16 46 | 1 14 | 22 54 | 0 3 | 9 48 | 0 58 | 4 58 | 16 38 | 23 29 | 23 30 | 17 7 | 11 57 | 5 47 |
| S 7 | 21 45 | 22 30 | 3 11 | 17 27 | 0 57 | 19 27 | 1 30 | 15 31 | 1 8 | 14 14 | 1 9 | 16 44 | 1 14 | 22 55 | 0 3 | 9 49 | 0 58 | 4 59 | 16 38 | 23 29 | 23 30 | 17 5 | 11 55 | 5 47 |
| M 8 | 21 36 | 24 8 | 2 3 | 16 53 | 0 49 | 19 8 | 1 30 | 15 18 | 1 8 | 14 16 | 1 9 | 16 42 | 1 14 | 22 55 | 0 3 | 9 49 | 0 58 | 4 59 | 16 38 | 23 29 | 23 30 | 17 3 | 11 53 | 5 47 |
| T 9 | 21 26 | 24 11 | 0 46 | 16 19 | 0 42 | 18 48 | 1 30 | 15 5 | 1 8 | 14 19 | 1 9 | 16 40 | 1 14 | 22 55 | 0 3 | 9 50 | 0 58 | 4 59 | 16 38 | 23 29 | 23 30 | 17 1 | 11 51 | 5 47 |
| W10 | 21 16 | 22 32 | 0n37 | 15 44 | 0 33 | 18 27 | 1 31 | 14 53 | 1 7 | 14 21 | 1 9 | 16 37 | 1 14 | 22 56 | 0 3 | 9 50 | 0 58 | 4 59 | 16 39 | 23 29 | 23 30 | 16 58 | 11 50 | 5 46 |
| T 11 | 21 6 | 19 14 | 1 57 | 15 9 | 0 25 | 18 6 | 1 31 | 14 40 | 1 7 | 14 23 | 1 9 | 16 35 | 1 14 | 22 56 | 0 3 | 9 51 | 0 58 | 4 59 | 16 39 | 23 29 | 23 30 | 16 56 | 11 48 | 5 46 |
| F 12 | 20 55 | 14 38 | 3 10 | 14 34 | 0 16 | 17 45 | 1 31 | 14 27 | 1 6 | 14 26 | 1 9 | 16 33 | 1 14 | 22 56 | 0 3 | 9 51 | 0 58 | 5 0 | 16 39 | 23 29 | 23 30 | 16 54 | 11 46 | 5 46 |
| S 13 | 20 44 | 9 8 | 4 9 | 14 0 | 0 7 | 17 23 | 1 31 | 14 14 | 1 6 | 14 28 | 1 9 | 16 31 | 1 14 | 22 57 | 0 3 | 9 51 | 0 58 | 5 0 | 16 40 | 23 29 | 23 30 | 16 52 | 11 44 | 5 46 |
| S 14 | 20 33 | 3 12 | 4 50 | 13 25 | 0s 2 | 17 1 | 1 31 | 14 1 | 1 6 | 14 30 | 1 10 | 16 28 | 1 14 | 22 57 | 0 3 | 9 52 | 0 58 | 5 0 | 16 40 | 23 29 | 23 30 | 16 49 | 11 42 | 5 45 |
| M15 | 20 21 | 2n46 | 5 11 | 12 50 | 0 12 | 16 38 | 1 31 | 13 48 | 1 5 | 14 33 | 1 10 | 16 26 | 1 14 | 22 57 | 0 3 | 9 52 | 0 58 | 5 0 | 16 40 | 23 29 | 23 30 | 16 47 | 11 40 | 5 45 |
| T 16 | 20 9 | 8 24 | 5 13 | 12 15 | 0 22 | 16 14 | 1 31 | 13 35 | 1 5 | 14 35 | 1 10 | 16 24 | 1 14 | 22 57 | 0 3 | 9 53 | 0 58 | 5 1 | 16 41 | 23 29 | 23 31 | 16 45 | 11 38 | 5 45 |
| W17 | 19 56 | 13 26 | 4 56 | 11 41 | 0 32 | 15 51 | 1 31 | 13 21 | 1 5 | 14 37 | 1 10 | 16 22 | 1 14 | 22 58 | 0 3 | 9 53 | 0 58 | 5 1 | 16 41 | 23 29 | 23 31 | 16 42 | 11 36 | 5 45 |
| T 18 | 19 43 | 17 41 | 4 24 | 11 7 | 0 43 | 15 26 | 1 31 | 13 8 | 1 4 | 14 39 | 1 10 | 16 19 | 1 14 | 22 58 | 0 3 | 9 54 | 0 58 | 5 1 | 16 41 | 23 29 | 23 31 | 16 40 | 11 34 | 5 45 |
| F 19 | 19 30 | 20 58 | 3 40 | 10 33 | 0 53 | 15 2 | 1 31 | 12 54 | 1 4 | 14 41 | 1 10 | 16 17 | 1 14 | 22 58 | 0 3 | 9 54 | 0 58 | 5 2 | 16 42 | 23 29 | 23 31 | 16 38 | 11 32 | 5 44 |
| S 20 | 19 17 | 23 11 | 2 47 | 10 0 | 1 4 | 14 37 | 1 30 | 12 41 | 1 3 | 14 43 | 1 10 | 16 15 | 1 14 | 22 58 | 0 3 | 9 55 | 0 58 | 5 2 | 16 42 | 23 29 | 23 31 | 16 36 | 11 30 | 5 44 |
| S 21 | 19 3 | 24 15 | 1 47 | 9 28 | 1 15 | 14 11 | 1 30 | 12 27 | 1 3 | 14 45 | 1 11 | 16 12 | 1 14 | 22 59 | 0 3 | 9 55 | 0 58 | 5 2 | 16 42 | 23 29 | 23 31 | 16 33 | 11 28 | 5 44 |
| M22 | 18 49 | 24 9 | 0 43 | 8 56 | 1 26 | 13 46 | 1 29 | 12 13 | 1 3 | 14 47 | 1 11 | 16 10 | 1 14 | 22 59 | 0 3 | 9 56 | 0 58 | 5 3 | 16 43 | 23 29 | 23 31 | 16 31 | 11 26 | 5 44 |
| T 23 | 18 34 | 22 57 | 0s22 | 8 25 | 1 37 | 13 19 | 1 29 | 11 59 | 1 2 | 14 49 | 1 11 | 16 8 | 1 14 | 22 59 | 0 3 | 9 56 | 0 58 | 5 3 | 16 43 | 23 29 | 23 31 | 16 29 | 11 24 | 5 44 |
| W24 | 18 19 | 20 44 | 1 26 | 7 55 | 1 48 | 12 53 | 1 28 | 11 45 | 1 2 | 14 50 | 1 11 | 16 5 | 1 14 | 23 0 | 0 3 | 9 57 | 0 58 | 5 3 | 16 43 | 23 29 | 23 31 | 16 26 | 11 22 | 5 44 |
| T 25 | 18 4 | 17 39 | 2 25 | 7 26 | 1 59 | 12 26 | 1 27 | 11 31 | 1 1 | 14 52 | 1 11 | 16 3 | 1 15 | 23 0 | 0 3 | 9 58 | 0 58 | 5 3 | 16 44 | 23 29 | 23 31 | 16 24 | 11 20 | 5 44 |
| F 26 | 17 49 | 13 52 | 3 19 | 6 58 | 2 11 | 11 59 | 1 27 | 11 17 | 1 1 | 14 54 | 1 11 | 16 1 | 1 15 | 23 0 | 0 3 | 9 58 | 0 58 | 5 4 | 16 44 | 23 29 | 23 31 | 16 22 | 11 18 | 5 44 |
| S 27 | 17 33 | 9 33 | 4 3 | 6 31 | 2 22 | 11 31 | 1 26 | 11 3 | 1 1 | 14 55 | 1 12 | 15 58 | 1 15 | 23 0 | 0 3 | 9 59 | 0 59 | 5 4 | 16 44 | 23 29 | 23 31 | 16 20 | 11 16 | 5 43 |
| S 28 | 17 17 | 4 51 | 4 38 | 6 5 | 2 33 | 11 4 | 1 25 | 10 49 | 1 0 | 14 57 | 1 12 | 15 56 | 1 15 | 23 0 | 0 3 | 9 59 | 0 59 | 5 5 | 16 45 | 23 30 | 23 31 | 16 17 | 11 14 | 5 43 |
| M29 | 17 1 | 0s 4 | 5 0 | 5 41 | 2 44 | 10 36 | 1 24 | 10 34 | 1 0 | 14 58 | 1 12 | 15 54 | 1 15 | 23 1 | 0 3 | 10 0 | 0 59 | 5 5 | 16 45 | 23 30 | 23 31 | 16 15 | 11 12 | 5 43 |
| T 30 | 16 45 | 5 2 | 5 9 | 5 19 | 2 56 | 10 7 | 1 23 | 10 20 | 0 59 | 15 0 | 1 12 | 15 51 | 1 15 | 23 1 | 0 3 | 10 0 | 0 59 | 5 5 | 16 45 | 23 30 | 23 31 | 16 13 | 11 10 | 5 43 |
| W31 | 16n28 | 9s52 | 5s 4 | 4n58 | 3s 6 | 9n39 | 1n22 | 10n 5 | 0n59 | 15n 1 | 1s12 | 15n49 | 1n15 | 23n 1 | 0n 3 | 10s 1 | 0s59 | 5s 6 | 16s46 | 23s30 | 23s31 | 16n10 | 11n 7 | 5s43 |

Julian Day Number = 2217613.5, Delta T = 08m55s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'22, Lahiri = 14°55'23 Julian Calendar 1 July 1359 == Greg. Calendar 9 July 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## AUGUST 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 8 18 | 15♌43'07 | 25♎43 | 10♍25 | 9♍48 | 7♍ 5 | 14♉20 | 20♌51 | 17♊51 | 6°R36 | 27°R21 | 2°R28 | 1♋ 3 | 5♌30 | 14♌26 | T 1 |
| F 2 | 21 12 14 | 16°40'52 | 8♏35 | 10°45 | 11° 1 | 7°44 | 14°24 | 20°59 | 17°53 | 6♓35 | 27♈21 | 2♋26 | 1° 0 | 5°36 | 14°33 | F 2 |
| S 3 | 21 16 11 | 17°38'37 | 21°47 | 11° 0 | 12°14 | 8°22 | 14°29 | 21° 6 | 17°56 | 6°33 | 27°21 | 2°D25 | 0°56 | 5°43 | 14°41 | S 3 |
| S 4 | 21 20 7 | 18°36'24 | 5♐22 | 11° 9 | 13°27 | 9° 0 | 14°34 | 21°14 | 17°58 | 6°32 | 27°21 | 2°26 | 0°53 | 5°50 | 14°49 | S 4 |
| M 5 | 21 24 4 | 19°34'11 | 19°21 | 11°R13 | 14°41 | 9°38 | 14°38 | 21°22 | 18° 0 | 6°30 | 27°20 | 2°28 | 0°50 | 5°56 | 14°57 | M 5 |
| T 6 | 21 28 0 | 20°32'00 | 3♑45 | 11°12 | 15°54 | 10°16 | 14°42 | 21°29 | 18° 2 | 6°29 | 27°20 | 2°R28 | 0°47 | 6° 3 | 15° 5 | T 6 |
| W 7 | 21 31 57 | 21°29'50 | 18°31 | 11° 5 | 17° 7 | 10°55 | 14°46 | 21°37 | 18° 4 | 6°27 | 27°20 | 2°27 | 0°44 | 6°10 | 15°13 | W 7 |
| T 8 | 21 35 54 | 22°27'42 | 3♒34 | 10°52 | 18°20 | 11°33 | 14°50 | 21°45 | 18° 6 | 6°25 | 27°19 | 2°24 | 0°41 | 6°16 | 15°21 | T 8 |
| F 9 | 21 39 50 | 23°25'35 | 18°46 | 10°33 | 19°34 | 12°12 | 14°54 | 21°52 | 18° 8 | 6°24 | 27°19 | 2°19 | 0°37 | 6°23 | 15°29 | F 9 |
| S 10 | 21 43 47 | 24°23'29 | 3♓58 | 10° 8 | 20°47 | 12°50 | 14°57 | 22° 0 | 18°10 | 6°22 | 27°18 | 2°12 | 0°34 | 6°30 | 15°37 | S 10 |
| S 11 | 21 47 43 | 25°21'25 | 18°58 | 9°37 | 22° 0 | 13°28 | 15° 1 | 22° 7 | 18°12 | 6°21 | 27°18 | 2° 4 | 0°31 | 6°36 | 15°45 | S 11 |
| M12 | 21 51 40 | 26°19'23 | 3♈39 | 9° 0 | 23°13 | 14° 7 | 15° 4 | 22°15 | 18°13 | 6°19 | 27°17 | 1°56 | 0°28 | 6°43 | 15°53 | M12 |
| T 13 | 21 55 36 | 27°17'23 | 17°53 | 8°18 | 24°26 | 14°45 | 15° 7 | 22°23 | 18°15 | 6°17 | 27°17 | 1°49 | 0°25 | 6°50 | 16° 0 | T 13 |
| W14 | 21 59 33 | 28°15'24 | 1♉38 | 7°31 | 25°39 | 15°24 | 15° 9 | 22°30 | 18°17 | 6°16 | 27°16 | 1°44 | 0°21 | 6°56 | 16° 8 | W14 |
| T 15 | 22 3 29 | 29°13'28 | 14°53 | 6°41 | 26°52 | 16° 2 | 15°12 | 22°38 | 18°19 | 6°14 | 27°16 | 1°41 | 0°18 | 7° 3 | 16°16 | T 15 |
| F 16 | 22 7 26 | 0♍11'33 | 27°42 | 5°46 | 28° 5 | 16°41 | 15°14 | 22°45 | 18°20 | 6°12 | 27°15 | 1°D40 | 0°15 | 7°10 | 16°24 | F 16 |
| S 17 | 22 11 23 | 1° 9'41 | 10♊ 9 | 4°49 | 29°18 | 17°20 | 15°16 | 22°53 | 18°22 | 6°11 | 27°15 | 1°40 | 0°12 | 7°16 | 16°32 | S 17 |
| S 18 | 22 15 19 | 2° 7'50 | 22°19 | 3°51 | 0♎31 | 17°58 | 15°18 | 23° 1 | 18°23 | 6° 9 | 27°14 | 1°41 | 0° 9 | 7°23 | 16°40 | S 18 |
| M19 | 22 19 16 | 3° 6'02 | 4♋16 | 2°53 | 1°44 | 18°37 | 15°20 | 23° 8 | 18°25 | 6° 8 | 27°14 | 1°R41 | 0° 6 | 7°30 | 16°47 | M19 |
| T 20 | 22 23 12 | 4° 4'15 | 16° 7 | 1°56 | 2°57 | 19°16 | 15°22 | 23°16 | 18°26 | 6° 6 | 27°13 | 1°40 | 0° 2 | 7°36 | 16°55 | T 20 |
| W21 | 22 27 9 | 5° 2'31 | 27°54 | 1° 1 | 4°10 | 19°55 | 15°23 | 23°23 | 18°28 | 6° 4 | 27°13 | 1°36 | 29♐59 | 7°43 | 17° 3 | W21 |
| T 22 | 22 31 5 | 6° 0'48 | 9♌42 | 0°11 | 5°23 | 20°34 | 15°24 | 23°31 | 18°29 | 6° 3 | 27°12 | 1°31 | 29°56 | 7°50 | 17°11 | T 22 |
| F 23 | 22 35 2 | 6°59'08 | 21°34 | 29♌25 | 6°36 | 21°12 | 15°25 | 23°38 | 18°30 | 6° 1 | 27°11 | 1°22 | 29°53 | 7°56 | 17°18 | F 23 |
| S 24 | 22 38 58 | 7°57'29 | 3♍32 | 28°45 | 7°49 | 21°51 | 15°26 | 23°46 | 18°32 | 5°59 | 27°11 | 1°11 | 29°50 | 8° 3 | 17°26 | S 24 |
| S 25 | 22 42 55 | 8°55'52 | 15°37 | 28°12 | 9° 2 | 22°30 | 15°27 | 23°53 | 18°33 | 5°58 | 27°10 | 0°59 | 29°47 | 8°10 | 17°34 | S 25 |
| M26 | 22 46 52 | 9°54'17 | 27°51 | 27°47 | 10°15 | 23° 9 | 15°27 | 24° 1 | 18°34 | 5°56 | 27° 9 | 0°46 | 29°43 | 8°16 | 17°41 | M26 |
| T 27 | 22 50 48 | 10°52'43 | 10♎14 | 27°31 | 11°28 | 23°48 | 15°R27 | 24° 8 | 18°35 | 5°54 | 27° 8 | 0°35 | 29°40 | 8°23 | 17°49 | T 27 |
| W28 | 22 54 45 | 11°51'12 | 22°48 | 27°D24 | 12°41 | 24°27 | 15°27 | 24°15 | 18°36 | 5°53 | 27° 8 | 0°24 | 29°37 | 8°30 | 17°57 | W28 |
| T 29 | 22 58 41 | 12°49'42 | 5♏32 | 27°26 | 13°53 | 25° 6 | 15°27 | 24°23 | 18°37 | 5°51 | 27° 7 | 0°17 | 29°34 | 8°36 | 18° 4 | T 29 |
| F 30 | 23 2 38 | 13°48'14 | 18°30 | 27°37 | 15° 6 | 25°45 | 15°27 | 24°30 | 18°38 | 5°49 | 27° 6 | 0°12 | 29°31 | 8°43 | 18°12 | F 30 |
| S 31 | 23 6 34 | 14♍46'48 | 1♐43 | 27♌58 | 16♎19 | 26♍25 | 15♉26 | 24♌37 | 18♊39 | 5♓48 | 27♈ 5 | 0♋ 9 | 29♐27 | 8♌50 | 18♌19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n11 | 14s23 | 4s45 | 4n39 | 3s17 | 9n10 | 1n20 | 9n51 | 0n59 | 15n 2 | 1s12 | 15n47 | 1n15 | 23n 1 | 0n 3 | 10s 2 | 0s59 | 5s 6 | 16s46 | 23s30 | 23s31 | 16n 8 | 11n 5 | 5s43 |
| F 2 | 15 53 | 18 21 | 4 10 | 4 22 | 3 27 | 8 41 | 1 19 | 9 36 | 0 58 | 15 4 | 1 13 | 15 44 | 1 15 | 23 2 | 0 4 | 10 2 | 0 59 | 5 6 | 16 46 | 23 30 | 23 31 | 16 6 | 11 3 | 5 43 |
| S 3 | 15 36 | 21 31 | 3 22 | 4 7 | 3 37 | 8 12 | 1 18 | 9 21 | 0 58 | 15 5 | 1 13 | 15 42 | 1 15 | 23 2 | 0 4 | 10 3 | 0 59 | 5 7 | 16 47 | 23 30 | 23 31 | 16 3 | 11 1 | 5 43 |
| S 4 | 15 18 | 23 35 | 2 21 | 3 55 | 3 46 | 7 42 | 1 16 | 9 7 | 0 57 | 15 6 | 1 13 | 15 39 | 1 15 | 23 2 | 0 4 | 10 3 | 0 59 | 5 7 | 16 47 | 23 30 | 23 31 | 16 1 | 10 59 | 5 43 |
| M 5 | 15 0 | 24 16 | 1 10 | 3 45 | 3 55 | 7 12 | 1 15 | 8 52 | 0 57 | 15 7 | 1 13 | 15 37 | 1 15 | 23 2 | 0 4 | 10 4 | 0 59 | 5 8 | 16 47 | 23 30 | 23 31 | 15 59 | 10 56 | 5 43 |
| T 6 | 14 42 | 23 21 | 0n 7 | 3 38 | 4 3 | 6 42 | 1 13 | 8 37 | 0 57 | 15 8 | 1 13 | 15 35 | 1 15 | 23 2 | 0 4 | 10 5 | 0 59 | 5 8 | 16 48 | 23 30 | 23 31 | 15 56 | 10 54 | 5 43 |
| W 7 | 14 23 | 20 50 | 1 25 | 3 34 | 4 11 | 6 12 | 1 12 | 8 22 | 0 56 | 15 9 | 1 13 | 15 32 | 1 15 | 23 3 | 0 4 | 10 5 | 0 59 | 5 8 | 16 48 | 23 30 | 23 31 | 15 54 | 10 52 | 5 43 |
| T 8 | 14 4 | 16 50 | 2 39 | 3 33 | 4 17 | 5 42 | 1 10 | 8 7 | 0 56 | 15 10 | 1 14 | 15 30 | 1 15 | 23 3 | 0 4 | 10 6 | 0 59 | 5 9 | 16 48 | 23 30 | 23 31 | 15 52 | 10 50 | 5 43 |
| F 9 | 13 45 | 11 43 | 3 43 | 3 35 | 4 22 | 5 12 | 1 8 | 7 52 | 0 55 | 15 11 | 1 14 | 15 27 | 1 15 | 23 3 | 0 4 | 10 6 | 0 59 | 5 9 | 16 48 | 23 30 | 23 31 | 15 49 | 10 47 | 5 43 |
| S 10 | 13 26 | 5 53 | 4 30 | 3 41 | 4 27 | 4 41 | 1 7 | 7 37 | 0 55 | 15 12 | 1 14 | 15 25 | 1 16 | 23 3 | 0 4 | 10 7 | 0 59 | 5 10 | 16 49 | 23 30 | 23 31 | 15 47 | 10 45 | 5 43 |
| S 11 | 13 7 | 0n12 | 4 58 | 3 50 | 4 29 | 4 10 | 1 5 | 7 21 | 0 55 | 15 13 | 1 14 | 15 23 | 1 16 | 23 3 | 0 4 | 10 8 | 0 59 | 5 10 | 16 49 | 23 30 | 23 31 | 15 45 | 10 43 | 5 43 |
| M12 | 12 47 | 6 8 | 5 6 | 4 2 | 4 31 | 3 40 | 1 3 | 7 6 | 0 54 | 15 14 | 1 14 | 15 20 | 1 16 | 23 4 | 0 4 | 10 8 | 0 59 | 5 10 | 16 49 | 23 31 | 23 31 | 15 42 | 10 40 | 5 43 |
| T 13 | 12 27 | 11 34 | 4 54 | 4 18 | 4 30 | 3 9 | 1 1 | 6 51 | 0 54 | 15 14 | 1 14 | 15 18 | 1 16 | 23 4 | 0 4 | 10 9 | 0 59 | 5 11 | 16 50 | 23 31 | 23 31 | 15 40 | 10 38 | 5 43 |
| W14 | 12 7 | 16 14 | 4 26 | 4 38 | 4 28 | 2 38 | 0 59 | 6 36 | 0 53 | 15 15 | 1 15 | 15 15 | 1 16 | 23 4 | 0 4 | 10 9 | 0 59 | 5 11 | 16 50 | 23 31 | 23 31 | 15 38 | 10 36 | 5 43 |
| T 15 | 11 47 | 19 55 | 3 44 | 5 0 | 4 24 | 2 7 | 0 57 | 6 20 | 0 53 | 15 16 | 1 15 | 15 13 | 1 16 | 23 4 | 0 4 | 10 10 | 0 59 | 5 12 | 16 50 | 23 31 | 23 31 | 15 35 | 10 33 | 5 43 |
| F 16 | 11 27 | 22 30 | 2 52 | 5 25 | 4 18 | 1 36 | 0 54 | 6 5 | 0 52 | 15 16 | 1 15 | 15 10 | 1 16 | 23 4 | 0 4 | 10 11 | 0 59 | 5 12 | 16 50 | 23 31 | 23 31 | 15 33 | 10 31 | 5 43 |
| S 17 | 11 6 | 23 54 | 1 53 | 5 53 | 4 11 | 1 4 | 0 52 | 5 49 | 0 52 | 15 17 | 1 15 | 15 8 | 1 16 | 23 4 | 0 4 | 10 11 | 0 59 | 5 13 | 16 51 | 23 31 | 23 31 | 15 31 | 10 29 | 5 43 |
| S 18 | 10 45 | 24 8 | 0 50 | 6 23 | 4 1 | 0 33 | 0 50 | 5 34 | 0 52 | 15 17 | 1 15 | 15 6 | 1 16 | 23 4 | 0 4 | 10 12 | 0 59 | 5 13 | 16 51 | 23 31 | 23 31 | 15 28 | 10 26 | 5 43 |
| M19 | 10 24 | 23 13 | 0s14 | 6 55 | 3 49 | 0 2 | 0 48 | 5 18 | 0 51 | 15 17 | 1 15 | 15 3 | 1 16 | 23 5 | 0 4 | 10 13 | 0 59 | 5 14 | 16 51 | 23 31 | 23 31 | 15 26 | 10 24 | 5 43 |
| T 20 | 10 3 | 21 17 | 1 16 | 7 28 | 3 36 | 0s29 | 0 45 | 5 2 | 0 51 | 15 18 | 1 16 | 15 1 | 1 16 | 23 5 | 0 4 | 10 13 | 0 59 | 5 14 | 16 52 | 23 31 | 23 31 | 15 24 | 10 22 | 5 43 |
| W21 | 9 42 | 18 27 | 2 15 | 8 1 | 3 21 | 1 1 | 0 43 | 4 47 | 0 50 | 15 18 | 1 16 | 14 58 | 1 16 | 23 5 | 0 4 | 10 14 | 0 59 | 5 14 | 16 52 | 23 31 | 23 31 | 15 21 | 10 19 | 5 43 |
| T 22 | 9 20 | 14 52 | 3 8 | 8 34 | 3 4 | 1 32 | 0 40 | 4 31 | 0 50 | 15 18 | 1 16 | 14 56 | 1 17 | 23 5 | 0 4 | 10 14 | 0 59 | 5 15 | 16 52 | 23 31 | 23 31 | 15 19 | 10 17 | 5 43 |
| F 23 | 8 59 | 10 41 | 3 53 | 9 7 | 2 47 | 2 3 | 0 38 | 4 15 | 0 49 | 15 18 | 1 16 | 14 54 | 1 17 | 23 5 | 0 4 | 10 15 | 0 59 | 5 15 | 16 52 | 23 31 | 23 31 | 15 17 | 10 15 | 5 43 |
| S 24 | 8 37 | 6 5 | 4 28 | 9 38 | 2 28 | 2 35 | 0 35 | 3 59 | 0 49 | 15 18 | 1 16 | 14 51 | 1 17 | 23 5 | 0 4 | 10 16 | 0 59 | 5 16 | 16 53 | 23 31 | 23 31 | 15 14 | 10 12 | 5 44 |
| S 25 | 8 15 | 1 13 | 4 51 | 10 7 | 2 9 | 3 6 | 0 32 | 3 44 | 0 48 | 15 18 | 1 16 | 14 49 | 1 17 | 23 5 | 0 4 | 10 16 | 0 59 | 5 16 | 16 53 | 23 31 | 23 31 | 15 12 | 10 10 | 5 44 |
| M26 | 7 53 | 3s45 | 5 1 | 10 34 | 1 50 | 3 37 | 0 30 | 3 28 | 0 48 | 15 18 | 1 17 | 14 46 | 1 17 | 23 6 | 0 4 | 10 17 | 0 59 | 5 17 | 16 53 | 23 31 | 23 31 | 15 9 | 10 7 | 5 44 |
| T 27 | 7 31 | 8 37 | 4 58 | 10 58 | 1 31 | 4 8 | 0 27 | 3 12 | 0 48 | 15 18 | 1 17 | 14 44 | 1 17 | 23 6 | 0 4 | 10 17 | 0 59 | 5 17 | 16 53 | 23 31 | 23 31 | 15 7 | 10 5 | 5 44 |
| W28 | 7 8 | 13 13 | 4 39 | 11 18 | 1 11 | 4 39 | 0 24 | 2 56 | 0 47 | 15 18 | 1 17 | 14 42 | 1 17 | 23 6 | 0 4 | 10 18 | 0 59 | 5 18 | 16 54 | 23 31 | 23 31 | 15 5 | 10 3 | 5 44 |
| T 29 | 6 46 | 17 18 | 4 7 | 11 35 | 0 52 | 5 10 | 0 21 | 2 40 | 0 47 | 15 18 | 1 17 | 14 39 | 1 17 | 23 6 | 0 4 | 10 19 | 0 59 | 5 18 | 16 54 | 23 31 | 23 31 | 15 2 | 10 0 | 5 44 |
| F 30 | 6 23 | 20 37 | 3 22 | 11 49 | 0 34 | 5 41 | 0 18 | 2 24 | 0 46 | 15 17 | 1 17 | 14 37 | 1 17 | 23 6 | 0 4 | 10 19 | 0 59 | 5 19 | 16 54 | 23 31 | 23 31 | 15 0 | 9 58 | 5 44 |
| S 31 | 6n 1 | 22s56 | 2s25 | 11n58 | 0s16 | 6s12 | 0n16 | 2n 8 | 0n46 | 15n17 | 1s17 | 14n35 | 1n18 | 23n 6 | 0n 4 | 10s20 | 0s59 | 5s19 | 16s54 | 23s31 | 23s31 | 14n58 | 9n55 | 5s45 |

Julian Day Number = 2217644.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'27, Lahiri = 14°55'27 Julian Calendar 1 Aug. 1359 == Greg. Calendar 9 Aug. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## SEPTEMBER 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 10 31 | 15♍45'24 | 15♐13 | 28♌28 | 17♎32 | 27♍ 4 | 15°R25 | 24♌45 | 18♊40 | 5°R46 | 27°R 5 | 0°D 9 | 29♐24 | 8♌56 | 18♌27 | S 1 |
| M 2 | 23 14 27 | 16°44'01 | 29° 2 | 29° 7 | 18°44 | 27°43 | 15♉24 | 24°52 | 18°41 | 5♓45 | 27♈ 4 | 0°R 9 | 29°21 | 9° 3 | 18°34 | M 2 |
| T 3 | 23 18 24 | 17°42'40 | 13♑11 | 29°55 | 19°57 | 28°22 | 15°23 | 24°59 | 18°41 | 5°43 | 27° 3 | 0♑ 8 | 29°18 | 9°10 | 18°41 | T 3 |
| W 4 | 23 22 21 | 18°41'20 | 27°39 | 0♍50 | 21°10 | 29° 2 | 15°21 | 25° 7 | 18°42 | 5°41 | 27° 2 | 0° 6 | 29°15 | 9°16 | 18°49 | W 4 |
| T 5 | 23 26 17 | 19°40'02 | 12♒24 | 1°53 | 22°22 | 29°41 | 15°20 | 25°14 | 18°43 | 5°40 | 27° 1 | 0° 1 | 29°12 | 9°23 | 18°56 | T 5 |
| F 6 | 23 30 14 | 20°38'46 | 27°20 | 3° 3 | 23°35 | 0♎20 | 15°18 | 25°21 | 18°43 | 5°38 | 27° 0 | 29♐54 | 29° 8 | 9°30 | 19° 3 | F 6 |
| S 7 | 23 34 10 | 21°37'32 | 12♓19 | 4°18 | 24°48 | 1° 0 | 15°16 | 25°28 | 18°44 | 5°37 | 27° 0 | 29°44 | 29° 5 | 9°36 | 19°11 | S 7 |
| S 8 | 23 38 7 | 22°36'20 | 27°12 | 5°40 | 26° 0 | 1°39 | 15°14 | 25°35 | 18°44 | 5°35 | 26°59 | 29°33 | 29° 2 | 9°43 | 19°18 | S 8 |
| M 9 | 23 42 3 | 23°35'09 | 11♈49 | 7° 6 | 27°13 | 2°19 | 15°11 | 25°42 | 18°45 | 5°33 | 26°58 | 29°21 | 28°59 | 9°50 | 19°25 | M 9 |
| T 10 | 23 46 0 | 24°34'01 | 26° 4 | 8°37 | 28°25 | 2°58 | 15° 9 | 25°49 | 18°45 | 5°32 | 26°57 | 29°11 | 28°56 | 9°56 | 19°32 | T 10 |
| W11 | 23 49 56 | 25°32'55 | 9♉51 | 10°11 | 29°38 | 3°38 | 15° 6 | 25°56 | 18°45 | 5°30 | 26°56 | 29° 3 | 28°52 | 10° 3 | 19°39 | W11 |
| T 12 | 23 53 53 | 26°31'52 | 23°10 | 11°48 | 0♏50 | 4°17 | 15° 3 | 26° 3 | 18°46 | 5°29 | 26°55 | 28°57 | 28°49 | 10°10 | 19°46 | T 12 |
| F 13 | 23 57 49 | 27°30'51 | 6♊ 3 | 13°27 | 2° 2 | 4°57 | 15° 0 | 26°10 | 18°46 | 5°27 | 26°54 | 28°54 | 28°46 | 10°17 | 19°53 | F 13 |
| S 14 | 0 1 46 | 28°29'52 | 18°32 | 15° 9 | 3°15 | 5°37 | 14°56 | 26°17 | 18°46 | 5°26 | 26°53 | 28°53 | 28°43 | 10°23 | 20° 0 | S 14 |
| S 15 | 0 5 43 | 29°28'55 | 0♋43 | 16°52 | 4°27 | 6°16 | 14°53 | 26°24 | 18°46 | 5°24 | 26°52 | 28°53 | 28°40 | 10°30 | 20° 7 | S 15 |
| M16 | 0 9 39 | 0♌28'01 | 12°41 | 18°37 | 5°39 | 6°56 | 14°49 | 26°30 | 18°46 | 5°23 | 26°51 | 28°53 | 28°37 | 10°37 | 20°14 | M16 |
| T 17 | 0 13 36 | 1°27'09 | 24°31 | 20°22 | 6°52 | 7°36 | 14°45 | 26°37 | 18°R46 | 5°21 | 26°50 | 28°51 | 28°33 | 10°43 | 20°21 | T 17 |
| W18 | 0 17 32 | 2°26'20 | 6♌20 | 22° 8 | 8° 4 | 8°16 | 14°41 | 26°44 | 18°46 | 5°20 | 26°49 | 28°48 | 28°30 | 10°50 | 20°27 | W18 |
| T 19 | 0 21 29 | 3°25'32 | 18°10 | 23°55 | 9°16 | 8°56 | 14°37 | 26°51 | 18°46 | 5°19 | 26°48 | 28°41 | 28°27 | 10°57 | 20°34 | T 19 |
| F 20 | 0 25 25 | 4°24'47 | 0♍ 6 | 25°42 | 10°28 | 9°36 | 14°32 | 26°57 | 18°46 | 5°17 | 26°47 | 28°32 | 28°24 | 11° 3 | 20°41 | F 20 |
| S 21 | 0 29 22 | 5°24'05 | 12°12 | 27°28 | 11°40 | 10°16 | 14°27 | 27° 4 | 18°46 | 5°16 | 26°46 | 28°20 | 28°21 | 11°10 | 20°47 | S 21 |
| S 22 | 0 33 18 | 6°23'24 | 24°28 | 29°15 | 12°53 | 10°56 | 14°23 | 27°10 | 18°46 | 5°14 | 26°45 | 28° 7 | 28°18 | 11°17 | 20°54 | S 22 |
| M23 | 0 37 15 | 7°22'45 | 6♎56 | 1♎ 1 | 14° 5 | 11°36 | 14°18 | 27°17 | 18°45 | 5°13 | 26°44 | 27°53 | 28°14 | 11°23 | 21° 0 | M23 |
| T 24 | 0 41 12 | 8°22'09 | 19°36 | 2°46 | 15°17 | 12°16 | 14°12 | 27°23 | 18°45 | 5°12 | 26°43 | 27°40 | 28°11 | 11°30 | 21° 7 | T 24 |
| W25 | 0 45 8 | 9°21'34 | 2♏28 | 4°32 | 16°29 | 12°56 | 14° 7 | 27°29 | 18°45 | 5°10 | 26°42 | 27°28 | 28° 8 | 11°37 | 21°13 | W25 |
| T 26 | 0 49 5 | 10°21'02 | 15°30 | 6°17 | 17°41 | 13°36 | 14° 1 | 27°36 | 18°44 | 5° 9 | 26°41 | 27°20 | 28° 5 | 11°43 | 21°19 | T 26 |
| F 27 | 0 53 1 | 11°20'32 | 28°44 | 8° 1 | 18°53 | 14°16 | 13°56 | 27°42 | 18°44 | 5° 8 | 26°40 | 27°14 | 28° 2 | 11°50 | 21°26 | F 27 |
| S 28 | 0 56 58 | 12°20'03 | 12♐ 8 | 9°45 | 20° 4 | 14°57 | 13°50 | 27°48 | 18°43 | 5° 7 | 26°38 | 27°11 | 27°58 | 11°57 | 21°32 | S 28 |
| S 29 | 1 0 54 | 13°19'36 | 25°44 | 11°28 | 21°16 | 15°37 | 13°44 | 27°54 | 18°42 | 5° 5 | 26°37 | 27°D11 | 27°55 | 12° 3 | 21°38 | S 29 |
| M30 | 1 4 51 | 14♎19'11 | 9♑32 | 13♎10 | 22♏28 | 16♎17 | 13♉38 | 28♌ 0 | 18♊42 | 5♓ 4 | 26♈36 | 27°R11 | 27♐52 | 12♌10 | 21♌44 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n38 | 24s 0 | 1s18 | 12n 3 | 0n 0 | 6s43 | 0n13 | 1n52 | 0n45 | 15n17 | 1s18 | 14n32 | 1n18 | 23n 6 | 0n 4 | 10s21 | 0s59 | 5s20 | 16s54 | 23s31 | 23s31 | 14n55 | 9n53 | 5s45 |
| M 2 | 5 15 | 23 37 | 0 6 | 12 4 | 0 16 | 7 13 | 0 10 | 1 36 | 0 45 | 15 16 | 1 18 | 14 30 | 1 18 | 23 6 | 0 4 | 10 21 | 0 59 | 5 20 | 16 55 | 23 31 | 23 31 | 14 53 | 9 51 | 5 45 |
| T 3 | 4 52 | 21 44 | 1n 8 | 12 1 | 0 30 | 7 44 | 0 7 | 1 20 | 0 44 | 15 16 | 1 18 | 14 28 | 1 18 | 23 6 | 0 4 | 10 22 | 0 59 | 5 21 | 16 55 | 23 31 | 23 31 | 14 50 | 9 48 | 5 45 |
| W 4 | 4 29 | 18 25 | 2 20 | 11 54 | 0 44 | 8 14 | 0 4 | 1 4 | 0 44 | 15 15 | 1 18 | 14 25 | 1 18 | 23 6 | 0 4 | 10 22 | 0 59 | 5 21 | 16 55 | 23 31 | 23 31 | 14 48 | 9 46 | 5 45 |
| T 5 | 4 6 | 13 53 | 3 24 | 11 43 | 0 56 | 8 44 | 0 1 | 0 47 | 0 43 | 15 15 | 1 18 | 14 23 | 1 18 | 23 6 | 0 4 | 10 23 | 0 59 | 5 22 | 16 55 | 23 31 | 23 31 | 14 46 | 9 43 | 5 46 |
| F 6 | 3 43 | 8 28 | 4 14 | 11 28 | 1 7 | 9 14 | 0s 3 | 0 31 | 0 43 | 15 14 | 1 18 | 14 21 | 1 18 | 23 6 | 0 4 | 10 23 | 0 59 | 5 22 | 16 56 | 23 31 | 23 31 | 14 43 | 9 41 | 5 46 |
| S 7 | 3 20 | 2 32 | 4 47 | 11 9 | 1 17 | 9 43 | 0 6 | 0 15 | 0 43 | 15 13 | 1 18 | 14 18 | 1 18 | 23 7 | 0 4 | 10 24 | 0 59 | 5 23 | 16 56 | 23 31 | 23 31 | 14 41 | 9 38 | 5 46 |
| S 8 | 2 57 | 3n28 | 5 0 | 10 47 | 1 25 | 10 13 | 0 9 | 0s 1 | 0 42 | 15 12 | 1 19 | 14 16 | 1 19 | 23 7 | 0 4 | 10 25 | 0 59 | 5 23 | 16 56 | 23 31 | 23 31 | 14 38 | 9 36 | 5 46 |
| M 9 | 2 33 | 9 11 | 4 54 | 10 22 | 1 32 | 10 42 | 0 12 | 0 17 | 0 42 | 15 12 | 1 19 | 14 14 | 1 19 | 23 7 | 0 4 | 10 25 | 0 59 | 5 24 | 16 56 | 23 31 | 23 31 | 14 36 | 9 34 | 5 46 |
| T 10 | 2 10 | 14 16 | 4 29 | 9 54 | 1 39 | 11 11 | 0 15 | 0 33 | 0 41 | 15 11 | 1 19 | 14 12 | 1 19 | 23 7 | 0 4 | 10 26 | 0 59 | 5 24 | 16 56 | 23 31 | 23 31 | 14 34 | 9 31 | 5 47 |
| W11 | 1 47 | 18 26 | 3 48 | 9 23 | 1 44 | 11 40 | 0 18 | 0 50 | 0 41 | 15 10 | 1 19 | 14 9 | 1 19 | 23 7 | 0 4 | 10 26 | 0 59 | 5 24 | 16 56 | 23 31 | 23 31 | 14 31 | 9 29 | 5 47 |
| T 12 | 1 23 | 21 29 | 2 57 | 8 49 | 1 48 | 12 8 | 0 22 | 1 6 | 0 40 | 15 9 | 1 19 | 14 7 | 1 19 | 23 7 | 0 4 | 10 27 | 0 59 | 5 25 | 16 57 | 23 31 | 23 31 | 14 29 | 9 26 | 5 47 |
| F 13 | 1 0 | 23 19 | 1 58 | 8 13 | 1 51 | 12 37 | 0 25 | 1 22 | 0 40 | 15 8 | 1 19 | 14 5 | 1 19 | 23 7 | 0 4 | 10 27 | 0 59 | 5 25 | 16 57 | 23 31 | 23 31 | 14 26 | 9 24 | 5 47 |
| S 14 | 0 36 | 23 56 | 0 55 | 7 36 | 1 53 | 13 5 | 0 28 | 1 38 | 0 39 | 15 7 | 1 19 | 14 3 | 1 19 | 23 7 | 0 4 | 10 28 | 0 59 | 5 26 | 16 57 | 23 31 | 23 31 | 14 24 | 9 22 | 5 48 |
| S 15 | 0 12 | 23 22 | 0s10 | 6 57 | 1 54 | 13 32 | 0 31 | 1 54 | 0 39 | 15 5 | 1 20 | 14 0 | 1 19 | 23 7 | 0 4 | 10 29 | 0 59 | 5 26 | 16 57 | 23 31 | 23 31 | 14 21 | 9 19 | 5 48 |
| M16 | 0s11 | 21 43 | 1 12 | 6 16 | 1 54 | 14 0 | 0 35 | 2 11 | 0 38 | 15 4 | 1 20 | 13 58 | 1 20 | 23 7 | 0 4 | 10 29 | 0 59 | 5 27 | 16 57 | 23 31 | 23 31 | 14 19 | 9 17 | 5 48 |
| T 17 | 0 35 | 19 8 | 2 11 | 5 34 | 1 54 | 14 27 | 0 38 | 2 27 | 0 38 | 15 3 | 1 20 | 13 56 | 1 20 | 23 7 | 0 4 | 10 30 | 0 59 | 5 27 | 16 57 | 23 31 | 23 31 | 14 17 | 9 14 | 5 49 |
| W18 | 0 58 | 15 47 | 3 4 | 4 51 | 1 52 | 14 54 | 0 41 | 2 43 | 0 37 | 15 2 | 1 20 | 13 54 | 1 20 | 23 7 | 0 4 | 10 30 | 0 59 | 5 28 | 16 57 | 23 31 | 23 31 | 14 14 | 9 12 | 5 49 |
| T 19 | 1 22 | 11 48 | 3 49 | 4 7 | 1 51 | 15 20 | 0 44 | 2 59 | 0 37 | 15 0 | 1 20 | 13 52 | 1 20 | 23 7 | 0 4 | 10 31 | 0 59 | 5 28 | 16 58 | 23 31 | 23 31 | 14 12 | 9 10 | 5 49 |
| F 20 | 1 46 | 7 21 | 4 25 | 3 22 | 1 48 | 15 46 | 0 48 | 3 16 | 0 36 | 14 59 | 1 20 | 13 50 | 1 20 | 23 7 | 0 4 | 10 31 | 0 59 | 5 29 | 16 58 | 23 31 | 23 31 | 14 9 | 9 7 | 5 50 |
| S 21 | 2 9 | 2 34 | 4 49 | 2 37 | 1 46 | 16 12 | 0 51 | 3 32 | 0 36 | 14 57 | 1 20 | 13 47 | 1 20 | 23 7 | 0 4 | 10 32 | 0 59 | 5 29 | 16 58 | 23 31 | 23 31 | 14 7 | 9 5 | 5 50 |
| S 22 | 2 33 | 2s23 | 4 59 | 1 52 | 1 42 | 16 37 | 0 54 | 3 48 | 0 35 | 14 56 | 1 20 | 13 45 | 1 21 | 23 7 | 0 4 | 10 32 | 0 59 | 5 30 | 16 58 | 23 31 | 23 31 | 14 4 | 9 3 | 5 50 |
| M23 | 2 56 | 7 18 | 4 56 | 1 6 | 1 38 | 17 2 | 0 57 | 4 4 | 0 35 | 14 54 | 1 20 | 13 43 | 1 21 | 23 7 | 0 4 | 10 33 | 0 59 | 5 30 | 16 58 | 23 30 | 23 31 | 14 2 | 9 0 | 5 51 |
| T 24 | 3 20 | 11 59 | 4 39 | 0 20 | 1 34 | 17 27 | 1 1 | 4 20 | 0 34 | 14 53 | 1 21 | 13 41 | 1 21 | 23 7 | 0 4 | 10 33 | 0 59 | 5 31 | 16 58 | 23 30 | 23 31 | 14 0 | 8 58 | 5 51 |
| W25 | 3 43 | 16 14 | 4 7 | 0s26 | 1 30 | 17 51 | 1 4 | 4 36 | 0 34 | 14 51 | 1 21 | 13 39 | 1 21 | 23 7 | 0 4 | 10 34 | 0 59 | 5 31 | 16 58 | 23 30 | 23 31 | 13 57 | 8 56 | 5 51 |
| T 26 | 4 7 | 19 45 | 3 21 | 1 12 | 1 25 | 18 14 | 1 7 | 4 53 | 0 33 | 14 49 | 1 21 | 13 37 | 1 21 | 23 7 | 0 4 | 10 34 | 0 59 | 5 31 | 16 58 | 23 30 | 23 31 | 13 55 | 8 53 | 5 52 |
| F 27 | 4 30 | 22 18 | 2 25 | 1 58 | 1 20 | 18 37 | 1 10 | 5 9 | 0 33 | 14 47 | 1 21 | 13 35 | 1 21 | 23 7 | 0 4 | 10 35 | 0 59 | 5 32 | 16 58 | 23 30 | 23 30 | 13 52 | 8 51 | 5 52 |
| S 28 | 4 53 | 23 38 | 1 19 | 2 44 | 1 14 | 19 0 | 1 14 | 5 25 | 0 32 | 14 46 | 1 21 | 13 33 | 1 21 | 23 7 | 0 4 | 10 35 | 0 59 | 5 32 | 16 59 | 23 30 | 23 30 | 13 50 | 8 49 | 5 52 |
| S 29 | 5 17 | 23 35 | 0 8 | 3 30 | 1 9 | 19 23 | 1 17 | 5 41 | 0 32 | 14 44 | 1 21 | 13 31 | 1 22 | 23 7 | 0 4 | 10 35 | 0 59 | 5 33 | 16 59 | 23 30 | 23 30 | 13 47 | 8 46 | 5 53 |
| M30 | 5s40 | 22s 6 | 1n 5 | 4s15 | 1n 3 | 19s44 | 1s20 | 5s57 | 0n31 | 14n42 | 1s21 | 13n29 | 1n22 | 23n 7 | 0n 4 | 10s36 | 0s59 | 5s33 | 16s59 | 23s30 | 23s30 | 13n45 | 8n44 | 5s53 |

Julian Day Number = 2217675.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'31, Lahiri = 14°55'31 Julian Calendar 1 Sept. 1359 == Greg. Calendar 9 Sept. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## OCTOBER 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 8 47 | 15♎18'48 | 23♉33 | 14♎52 | 23♏40 | 16♎58 | 13°R32 | 28♌ 6 | 18°R41 | 5°R 3 | 26°R35 | 27°R11 | 27♐49 | 12♌17 | 21♌50 | T 1 |
| W 2 | 1 12 44 | 16°18'27 | 7♒46 | 16°33 | 24°52 | 17°38 | 13♉25 | 28°12 | 18♊40 | 5♓ 2 | 26♈34 | 27♐ 9 | 27°46 | 12°23 | 21°56 | W 2 |
| T 3 | 1 16 41 | 17°18'07 | 22°10 | 18°14 | 26° 3 | 18°19 | 13°19 | 28°18 | 18°39 | 5° 1 | 26°33 | 27° 5 | 27°43 | 12°30 | 22° 2 | T 3 |
| F 4 | 1 20 37 | 18°17'48 | 6♓42 | 19°54 | 27°15 | 18°59 | 13°12 | 28°24 | 18°39 | 5° 0 | 26°32 | 26°58 | 27°39 | 12°37 | 22° 7 | F 4 |
| S 5 | 1 24 34 | 19°17'32 | 21°16 | 21°33 | 28°27 | 19°40 | 13° 5 | 28°30 | 18°38 | 4°59 | 26°31 | 26°49 | 27°36 | 12°44 | 22°13 | S 5 |
| S 6 | 1 28 30 | 20°17'17 | 5♈46 | 23°12 | 29°38 | 20°20 | 12°58 | 28°35 | 18°37 | 4°58 | 26°30 | 26°39 | 27°33 | 12°50 | 22°19 | S 6 |
| M 7 | 1 32 27 | 21°17'05 | 20° 5 | 24°50 | 0♐49 | 21° 1 | 12°51 | 28°41 | 18°36 | 4°57 | 26°28 | 26°28 | 27°30 | 12°57 | 22°24 | M 7 |
| T 8 | 1 36 23 | 22°16'54 | 4♉ 7 | 26°28 | 2° 1 | 21°41 | 12°44 | 28°47 | 18°35 | 4°56 | 26°27 | 26°18 | 27°27 | 13° 4 | 22°30 | T 8 |
| W 9 | 1 40 20 | 23°16'46 | 17°46 | 28° 5 | 3°12 | 22°22 | 12°37 | 28°52 | 18°33 | 4°55 | 26°26 | 26°11 | 27°23 | 13°10 | 22°35 | W 9 |
| T 10 | 1 44 16 | 24°16'39 | 1♊ 2 | 29°41 | 4°24 | 23° 3 | 12°29 | 28°57 | 18°32 | 4°54 | 26°25 | 26° 5 | 27°20 | 13°17 | 22°41 | T 10 |
| F 11 | 1 48 13 | 25°16'35 | 13°55 | 1♏17 | 5°35 | 23°44 | 12°22 | 29° 3 | 18°31 | 4°53 | 26°24 | 26° 2 | 27°17 | 13°24 | 22°46 | F 11 |
| S 12 | 1 52 10 | 26°16'33 | 26°26 | 2°53 | 6°46 | 24°25 | 12°14 | 29° 8 | 18°30 | 4°52 | 26°23 | 26°D 2 | 27°14 | 13°30 | 22°51 | S 12 |
| S 13 | 1 56 6 | 27°16'33 | 8♋39 | 4°28 | 7°57 | 25° 5 | 12° 7 | 29°13 | 18°29 | 4°51 | 26°22 | 26° 2 | 27°11 | 13°37 | 22°56 | S 13 |
| M14 | 2 0 3 | 28°16'36 | 20°39 | 6° 3 | 9° 8 | 25°46 | 11°59 | 29°18 | 18°27 | 4°50 | 26°21 | 26° 3 | 27° 8 | 13°44 | 23° 1 | M14 |
| T 15 | 2 3 59 | 29°16'40 | 2♌31 | 7°37 | 10°19 | 26°27 | 11°51 | 29°23 | 18°26 | 4°49 | 26°19 | 26°R 3 | 27° 4 | 13°50 | 23° 6 | T 15 |
| W16 | 2 7 56 | 0♏16'47 | 14°20 | 9°10 | 11°30 | 27° 8 | 11°44 | 29°28 | 18°24 | 4°49 | 26°18 | 26° 2 | 27° 1 | 13°57 | 23°11 | W16 |
| T 17 | 2 11 52 | 1°16'55 | 26°13 | 10°43 | 12°41 | 27°49 | 11°36 | 29°33 | 18°23 | 4°48 | 26°17 | 25°59 | 26°58 | 14° 4 | 23°16 | T 17 |
| F 18 | 2 15 49 | 2°17'06 | 8♍12 | 12°16 | 13°52 | 28°31 | 11°28 | 29°38 | 18°21 | 4°47 | 26°16 | 25°53 | 26°55 | 14°10 | 23°20 | F 18 |
| S 19 | 2 19 45 | 3°17'19 | 20°23 | 13°49 | 15° 3 | 29°12 | 11°20 | 29°43 | 18°20 | 4°46 | 26°15 | 25°45 | 26°52 | 14°17 | 23°25 | S 19 |
| S 20 | 2 23 42 | 4°17'34 | 2♎48 | 15°21 | 16°13 | 29°53 | 11°12 | 29°47 | 18°18 | 4°46 | 26°14 | 25°36 | 26°49 | 14°24 | 23°29 | S 20 |
| M21 | 2 27 38 | 5°17'50 | 15°29 | 16°52 | 17°24 | 0♏34 | 11° 3 | 29°52 | 18°17 | 4°45 | 26°13 | 25°27 | 26°45 | 14°30 | 23°34 | M21 |
| T 22 | 2 31 35 | 6°18'09 | 28°26 | 18°24 | 18°34 | 1°15 | 10°55 | 29°56 | 18°15 | 4°45 | 26°12 | 25°17 | 26°42 | 14°37 | 23°38 | T 22 |
| W23 | 2 35 32 | 7°18'29 | 11♏38 | 19°54 | 19°45 | 1°57 | 10°47 | 0♍ 1 | 18°13 | 4°44 | 26°10 | 25°10 | 26°39 | 14°44 | 23°42 | W23 |
| T 24 | 2 39 28 | 8°18'52 | 25° 4 | 21°25 | 20°55 | 2°38 | 10°39 | 0° 5 | 18°11 | 4°43 | 26° 9 | 25° 4 | 26°36 | 14°51 | 23°46 | T 24 |
| F 25 | 2 43 25 | 9°19'16 | 8♐42 | 22°55 | 22° 6 | 3°20 | 10°31 | 0° 9 | 18°10 | 4°43 | 26° 8 | 25° 0 | 26°33 | 14°57 | 23°51 | F 25 |
| S 26 | 2 47 21 | 10°19'41 | 22°30 | 24°25 | 23°16 | 4° 1 | 10°23 | 0°14 | 18° 8 | 4°42 | 26° 7 | 24°D59 | 26°29 | 15° 4 | 23°54 | S 26 |
| S 27 | 2 51 18 | 11°20'08 | 6♑24 | 25°54 | 24°26 | 4°43 | 10°14 | 0°18 | 18° 6 | 4°42 | 26° 6 | 25° 0 | 26°26 | 15°11 | 23°58 | S 27 |
| M28 | 2 55 14 | 12°20'36 | 20°25 | 27°23 | 25°36 | 5°24 | 10° 6 | 0°22 | 18° 4 | 4°42 | 26° 5 | 25° 1 | 26°23 | 15°17 | 24° 2 | M28 |
| T 29 | 2 59 11 | 13°21'06 | 4♒30 | 28°52 | 26°46 | 6° 6 | 9°58 | 0°25 | 18° 2 | 4°41 | 26° 4 | 25° 2 | 26°20 | 15°24 | 24° 6 | T 29 |
| W30 | 3 3 8 | 14°21'37 | 18°39 | 0♐20 | 27°56 | 6°47 | 9°50 | 0°29 | 18° 0 | 4°41 | 26° 3 | 25°R 2 | 26°17 | 15°31 | 24° 9 | W30 |
| T 31 | 3 7 4 | 15♏22'09 | 2♓49 | 1♐47 | 29♐ 6 | 7♏29 | 9♉42 | 0♍33 | 17♊58 | 4♓41 | 26♈ 2 | 25♐ 1 | 26♐14 | 15♌37 | 24♌13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s 3 | 19s14 | 2n15 | 5s 0 | 0n57 | 20s 6 | 1s23 | 6s13 | 0n31 | 14n40 | 1s21 | 13n27 | 1n22 | 23n 7 | 0n 4 | 10s36 | 0s59 | 5s34 | 16s59 | 23s30 | 23s30 | 13n43 | 8n42 | 5s53 |
| W 2 | 6 26 | 15 12 | 3 18 | 5 45 | 0 51 | 20 27 | 1 26 | 6 29 | 0 30 | 14 38 | 1 21 | 13 25 | 1 22 | 23 7 | 0 4 | 10 37 | 0 59 | 5 34 | 16 59 | 23 29 | 23 30 | 13 40 | 8 40 | 5 54 |
| T 3 | 6 49 | 10 15 | 4 9 | 6 29 | 0 44 | 20 47 | 1 29 | 6 45 | 0 30 | 14 36 | 1 21 | 13 24 | 1 22 | 23 6 | 0 4 | 10 37 | 0 59 | 5 35 | 16 59 | 23 29 | 23 30 | 13 38 | 8 37 | 5 54 |
| F 4 | 7 12 | 4 41 | 4 44 | 7 13 | 0 38 | 21 7 | 1 32 | 7 1 | 0 29 | 14 34 | 1 21 | 13 22 | 1 23 | 23 6 | 0 4 | 10 37 | 0 59 | 5 35 | 16 59 | 23 29 | 23 30 | 13 35 | 8 35 | 5 55 |
| S 5 | 7 35 | 1n 8 | 5 1 | 7 57 | 0 31 | 21 26 | 1 35 | 7 16 | 0 29 | 14 32 | 1 21 | 13 20 | 1 23 | 23 6 | 0 4 | 10 38 | 0 59 | 5 35 | 16 59 | 23 29 | 23 30 | 13 33 | 8 33 | 5 55 |
| S 6 | 7 57 | 6 52 | 4 59 | 8 40 | 0 25 | 21 44 | 1 38 | 7 32 | 0 28 | 14 30 | 1 21 | 13 18 | 1 23 | 23 6 | 0 4 | 10 38 | 0 59 | 5 36 | 16 59 | 23 29 | 23 30 | 13 30 | 8 31 | 5 56 |
| M 7 | 8 20 | 12 9 | 4 38 | 9 22 | 0 18 | 22 3 | 1 41 | 7 48 | 0 28 | 14 28 | 1 21 | 13 16 | 1 23 | 23 6 | 0 4 | 10 39 | 0 59 | 5 36 | 16 59 | 23 29 | 23 30 | 13 28 | 8 29 | 5 56 |
| T 8 | 8 42 | 16 41 | 4 0 | 10 4 | 0 11 | 22 20 | 1 44 | 8 4 | 0 27 | 14 25 | 1 21 | 13 14 | 1 23 | 23 6 | 0 4 | 10 39 | 0 59 | 5 37 | 16 59 | 23 28 | 23 30 | 13 25 | 8 26 | 5 56 |
| W 9 | 9 5 | 20 13 | 3 9 | 10 45 | 0 5 | 22 37 | 1 47 | 8 20 | 0 27 | 14 23 | 1 21 | 13 13 | 1 23 | 23 6 | 0 4 | 10 39 | 0 59 | 5 37 | 16 59 | 23 28 | 23 30 | 13 23 | 8 24 | 5 57 |
| T 10 | 9 27 | 22 33 | 2 9 | 11 26 | 0s 2 | 22 53 | 1 50 | 8 35 | 0 26 | 14 21 | 1 21 | 13 11 | 1 24 | 23 6 | 0 4 | 10 40 | 0 59 | 5 37 | 16 59 | 23 28 | 23 30 | 13 20 | 8 22 | 5 57 |
| F 11 | 9 49 | 23 37 | 1 4 | 12 6 | 0 9 | 23 9 | 1 52 | 8 51 | 0 25 | 14 19 | 1 21 | 13 9 | 1 24 | 23 6 | 0 4 | 10 40 | 0 59 | 5 38 | 16 59 | 23 28 | 23 30 | 13 18 | 8 20 | 5 58 |
| S 12 | 10 11 | 23 26 | 0s 2 | 12 45 | 0 15 | 23 24 | 1 55 | 9 6 | 0 25 | 14 16 | 1 21 | 13 8 | 1 24 | 23 6 | 0 4 | 10 40 | 0 59 | 5 38 | 16 59 | 23 28 | 23 30 | 13 15 | 8 18 | 5 58 |
| S 13 | 10 32 | 22 7 | 1 7 | 13 24 | 0 22 | 23 39 | 1 58 | 9 22 | 0 24 | 14 14 | 1 21 | 13 6 | 1 24 | 23 6 | 0 4 | 10 41 | 0 59 | 5 39 | 16 59 | 23 28 | 23 30 | 13 13 | 8 16 | 5 59 |
| M14 | 10 54 | 19 49 | 2 8 | 14 2 | 0 29 | 23 53 | 2 0 | 9 37 | 0 24 | 14 12 | 1 21 | 13 4 | 1 24 | 23 6 | 0 4 | 10 41 | 0 59 | 5 39 | 16 59 | 23 28 | 23 29 | 13 11 | 8 14 | 5 59 |
| T 15 | 11 15 | 16 42 | 3 3 | 14 39 | 0 35 | 24 6 | 2 3 | 9 53 | 0 23 | 14 9 | 1 21 | 13 3 | 1 25 | 23 5 | 0 4 | 10 41 | 0 59 | 5 39 | 16 59 | 23 28 | 23 29 | 13 8 | 8 12 | 6 0 |
| W16 | 11 37 | 12 56 | 3 49 | 15 16 | 0 42 | 24 19 | 2 5 | 10 8 | 0 23 | 14 7 | 1 21 | 13 1 | 1 25 | 23 5 | 0 4 | 10 41 | 0 59 | 5 40 | 16 59 | 23 28 | 23 29 | 13 6 | 8 10 | 6 0 |
| T 17 | 11 58 | 8 39 | 4 26 | 15 52 | 0 48 | 24 31 | 2 8 | 10 23 | 0 22 | 14 5 | 1 21 | 13 0 | 1 25 | 23 5 | 0 4 | 10 42 | 0 59 | 5 40 | 16 59 | 23 28 | 23 29 | 13 3 | 8 8 | 6 1 |
| F 18 | 12 19 | 4 0 | 4 52 | 16 27 | 0 55 | 24 42 | 2 10 | 10 39 | 0 22 | 14 2 | 1 21 | 12 58 | 1 25 | 23 5 | 0 5 | 10 42 | 0 59 | 5 40 | 16 59 | 23 27 | 23 29 | 13 1 | 8 6 | 6 1 |
| S 19 | 12 39 | 0s51 | 5 5 | 17 1 | 1 1 | 24 52 | 2 12 | 10 54 | 0 21 | 14 0 | 1 21 | 12 57 | 1 25 | 23 5 | 0 5 | 10 42 | 0 59 | 5 41 | 16 59 | 23 27 | 23 29 | 12 58 | 8 4 | 6 2 |
| S 20 | 13 0 | 5 46 | 5 4 | 17 34 | 1 7 | 25 2 | 2 15 | 11 9 | 0 21 | 13 57 | 1 21 | 12 55 | 1 26 | 23 5 | 0 5 | 10 42 | 0 59 | 5 41 | 16 59 | 23 27 | 23 29 | 12 56 | 8 2 | 6 2 |
| M21 | 13 20 | 10 32 | 4 48 | 18 7 | 1 14 | 25 12 | 2 17 | 11 24 | 0 20 | 13 55 | 1 21 | 12 54 | 1 26 | 23 5 | 0 5 | 10 43 | 0 59 | 5 41 | 16 59 | 23 27 | 23 29 | 12 53 | 8 0 | 6 3 |
| T 22 | 13 40 | 14 57 | 4 17 | 18 38 | 1 19 | 25 20 | 2 19 | 11 39 | 0 19 | 13 52 | 1 21 | 12 52 | 1 26 | 23 5 | 0 5 | 10 43 | 0 59 | 5 42 | 16 58 | 23 26 | 23 29 | 12 51 | 7 58 | 6 3 |
| W23 | 14 0 | 18 44 | 3 32 | 19 9 | 1 25 | 25 28 | 2 21 | 11 54 | 0 19 | 13 50 | 1 21 | 12 51 | 1 26 | 23 4 | 0 5 | 10 43 | 0 59 | 5 42 | 16 58 | 23 26 | 23 29 | 12 48 | 7 56 | 6 4 |
| T 24 | 14 20 | 21 36 | 2 34 | 19 39 | 1 31 | 25 35 | 2 23 | 12 9 | 0 18 | 13 47 | 1 21 | 12 50 | 1 26 | 23 4 | 0 5 | 10 43 | 0 59 | 5 42 | 16 58 | 23 26 | 23 29 | 12 46 | 7 54 | 6 4 |
| F 25 | 14 39 | 23 16 | 1 27 | 20 7 | 1 37 | 25 41 | 2 25 | 12 23 | 0 18 | 13 45 | 1 21 | 12 48 | 1 27 | 23 4 | 0 5 | 10 43 | 0 58 | 5 42 | 16 58 | 23 26 | 23 29 | 12 43 | 7 53 | 6 5 |
| S 26 | 14 58 | 23 32 | 0 13 | 20 35 | 1 42 | 25 47 | 2 26 | 12 38 | 0 17 | 13 43 | 1 21 | 12 47 | 1 27 | 23 4 | 0 5 | 10 43 | 0 58 | 5 43 | 16 58 | 23 26 | 23 29 | 12 41 | 7 51 | 6 5 |
| S 27 | 15 17 | 22 21 | 1n 2 | 21 2 | 1 47 | 25 52 | 2 28 | 12 52 | 0 17 | 13 40 | 1 20 | 12 46 | 1 27 | 23 4 | 0 5 | 10 44 | 0 58 | 5 43 | 16 58 | 23 26 | 23 28 | 12 38 | 7 49 | 6 6 |
| M28 | 15 36 | 19 46 | 2 13 | 21 28 | 1 52 | 25 56 | 2 30 | 13 7 | 0 16 | 13 38 | 1 20 | 12 45 | 1 27 | 23 4 | 0 5 | 10 44 | 0 58 | 5 43 | 16 58 | 23 26 | 23 28 | 12 36 | 7 47 | 6 6 |
| T 29 | 15 54 | 16 0 | 3 18 | 21 52 | 1 57 | 26 0 | 2 31 | 13 21 | 0 16 | 13 35 | 1 20 | 12 44 | 1 28 | 23 4 | 0 5 | 10 44 | 0 58 | 5 44 | 16 58 | 23 26 | 23 28 | 12 33 | 7 46 | 6 7 |
| W30 | 16 12 | 11 19 | 4 10 | 22 16 | 2 1 | 26 3 | 2 32 | 13 36 | 0 15 | 13 33 | 1 20 | 12 42 | 1 28 | 23 3 | 0 5 | 10 44 | 0 58 | 5 44 | 16 58 | 23 26 | 23 28 | 12 31 | 7 44 | 6 7 |
| T 31 | 16s30 | 6s 2 | 4n48 | 22s38 | 2s 5 | 26s 5 | 2s34 | 13s50 | 0n14 | 13n30 | 1s20 | 12n41 | 1n28 | 23n 3 | 0n 5 | 10s44 | 0s58 | 5s44 | 16s58 | 23s26 | 23s28 | 12n28 | 7n42 | 6s 8 |

Julian Day Number = 2217705.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'35, Lahiri = 14°55'36 Julian Calendar 1 Oct. 1359 == Greg. Calendar 9 Oct. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## NOVEMBER 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 11 1 | 16♏22'42 | 16♓59 | 3♐14 | 0♑15 | 8♏11 | 9°R34 | 0♍36 | 17°R56 | 4°R40 | 26°R 1 | 24°R58 | 26♐10 | 15♌44 | 24♌16 | F 1 |
| S 2 | 3 14 57 | 17°23'17 | 1♈ 6 | 4°40 | 1°25 | 8°52 | 9♉26 | 0°40 | 17♊54 | 4♓40 | 26♈ 0 | 24♐53 | 26° 7 | 15°51 | 24°19 | S 2 |
| S 3 | 3 18 54 | 18°23'53 | 15° 7 | 6° 6 | 2°34 | 9°34 | 9°18 | 0°43 | 17°52 | 4°40 | 25°59 | 24°47 | 26° 4 | 15°57 | 24°23 | S 3 |
| M 4 | 3 22 50 | 19°24'30 | 28°58 | 7°31 | 3°43 | 10°16 | 9°10 | 0°47 | 17°50 | 4°40 | 25°58 | 24°41 | 26° 1 | 16° 4 | 24°26 | M 4 |
| T 5 | 3 26 47 | 20°25'09 | 12♉35 | 8°56 | 4°53 | 10°58 | 9° 2 | 0°50 | 17°48 | 4°40 | 25°57 | 24°36 | 25°58 | 16°11 | 24°29 | T 5 |
| W 6 | 3 30 43 | 21°25'49 | 25°56 | 10°19 | 6° 2 | 11°40 | 8°54 | 0°53 | 17°45 | 4°40 | 25°55 | 24°31 | 25°55 | 16°18 | 24°31 | W 6 |
| T 7 | 3 34 40 | 22°26'30 | 8♊59 | 11°41 | 7°11 | 12°22 | 8°46 | 0°56 | 17°43 | 4°40 | 25°54 | 24°29 | 25°51 | 16°24 | 24°34 | T 7 |
| F 8 | 3 38 36 | 23°27'13 | 21°44 | 13° 2 | 8°19 | 13° 4 | 8°39 | 0°59 | 17°41 | 4°D39 | 25°54 | 24°D27 | 25°48 | 16°31 | 24°37 | F 8 |
| S 9 | 3 42 33 | 24°27'58 | 4♋11 | 14°22 | 9°28 | 13°46 | 8°31 | 1° 2 | 17°39 | 4°39 | 25°53 | 24°28 | 25°45 | 16°38 | 24°39 | S 9 |
| S 10 | 3 46 30 | 25°28'44 | 16°24 | 15°41 | 10°37 | 14°28 | 8°24 | 1° 4 | 17°36 | 4°40 | 25°52 | 24°29 | 25°42 | 16°44 | 24°42 | S 10 |
| M11 | 3 50 26 | 26°29'31 | 28°24 | 16°57 | 11°45 | 15°10 | 8°16 | 1° 7 | 17°34 | 4°40 | 25°51 | 24°31 | 25°39 | 16°51 | 24°44 | M11 |
| T 12 | 3 54 23 | 27°30'20 | 10♌18 | 18°12 | 12°53 | 15°52 | 8° 9 | 1°10 | 17°32 | 4°40 | 25°50 | 24°33 | 25°35 | 16°58 | 24°46 | T 12 |
| W13 | 3 58 19 | 28°31'10 | 22° 8 | 19°24 | 14° 1 | 16°35 | 8° 2 | 1°12 | 17°29 | 4°40 | 25°49 | 24°34 | 25°32 | 17° 4 | 24°48 | W13 |
| T 14 | 4 2 16 | 29°32'02 | 4♍ 1 | 20°34 | 15° 9 | 17°17 | 7°55 | 1°14 | 17°27 | 4°40 | 25°48 | 24°R34 | 25°29 | 17°11 | 24°50 | T 14 |
| F 15 | 4 6 12 | 0♐32'55 | 16° 1 | 21°41 | 16°17 | 17°59 | 7°48 | 1°16 | 17°24 | 4°40 | 25°47 | 24°33 | 25°26 | 17°18 | 24°52 | F 15 |
| S 16 | 4 10 9 | 1°33'49 | 28°12 | 22°45 | 17°24 | 18°42 | 7°41 | 1°18 | 17°22 | 4°41 | 25°46 | 24°31 | 25°23 | 17°24 | 24°54 | S 16 |
| S 17 | 4 14 5 | 2°34'45 | 10♎39 | 23°44 | 18°32 | 19°24 | 7°34 | 1°20 | 17°20 | 4°41 | 25°45 | 24°28 | 25°20 | 17°31 | 24°56 | S 17 |
| M18 | 4 18 2 | 3°35'42 | 23°26 | 24°39 | 19°39 | 20° 7 | 7°28 | 1°22 | 17°17 | 4°41 | 25°44 | 24°25 | 25°16 | 17°38 | 24°57 | M18 |
| T 19 | 4 21 59 | 4°36'41 | 6♏33 | 25°29 | 20°46 | 20°49 | 7°21 | 1°24 | 17°15 | 4°41 | 25°43 | 24°21 | 25°13 | 17°45 | 24°59 | T 19 |
| W20 | 4 25 55 | 5°37'40 | 20° 0 | 26°13 | 21°53 | 21°32 | 7°15 | 1°26 | 17°12 | 4°42 | 25°43 | 24°19 | 25°10 | 17°51 | 25° 0 | W20 |
| T 21 | 4 29 52 | 6°38'41 | 3♐47 | 26°51 | 22°59 | 22°14 | 7° 9 | 1°27 | 17°10 | 4°42 | 25°42 | 24°17 | 25° 7 | 17°58 | 25° 1 | T 21 |
| F 22 | 4 33 48 | 7°39'43 | 17°51 | 27°21 | 24° 6 | 22°57 | 7° 3 | 1°29 | 17° 7 | 4°43 | 25°41 | 24°D16 | 25° 4 | 18° 5 | 25° 3 | F 22 |
| S 23 | 4 37 45 | 8°40'45 | 2♑ 7 | 27°43 | 25°12 | 23°40 | 6°57 | 1°30 | 17° 5 | 4°43 | 25°40 | 24°16 | 25° 1 | 18°11 | 25° 4 | S 23 |
| S 24 | 4 41 41 | 9°41'48 | 16°30 | 27°55 | 26°18 | 24°23 | 6°51 | 1°31 | 17° 2 | 4°44 | 25°39 | 24°17 | 24°57 | 18°18 | 25° 4 | S 24 |
| M25 | 4 45 38 | 10°42'52 | 0♒56 | 27°R58 | 27°24 | 25° 5 | 6°45 | 1°32 | 16°59 | 4°44 | 25°39 | 24°18 | 24°54 | 18°25 | 25° 5 | M25 |
| T 26 | 4 49 35 | 11°43'57 | 15°20 | 27°50 | 28°29 | 25°48 | 6°40 | 1°33 | 16°57 | 4°45 | 25°38 | 24°19 | 24°51 | 18°31 | 25° 6 | T 26 |
| W27 | 4 53 31 | 12°45'01 | 29°38 | 27°31 | 29°35 | 26°31 | 6°35 | 1°34 | 16°54 | 4°46 | 25°37 | 24°20 | 24°48 | 18°38 | 25° 6 | W27 |
| T 28 | 4 57 28 | 13°46'06 | 13♓48 | 27° 0 | 0♒40 | 27°14 | 6°30 | 1°35 | 16°52 | 4°46 | 25°36 | 24°R20 | 24°45 | 18°45 | 25° 7 | T 28 |
| F 29 | 5 1 24 | 14°47'12 | 27°48 | 26°17 | 1°44 | 27°57 | 6°25 | 1°36 | 16°49 | 4°47 | 25°36 | 24°20 | 24°41 | 18°52 | 25° 7 | F 29 |
| S 30 | 5 5 21 | 15♐48'17 | 11♈36 | 25♐24 | 2♒49 | 28♏40 | 6♉20 | 1♍36 | 16♊47 | 4♓48 | 25♈35 | 24♐19 | 24♐38 | 18♌58 | 25♌ 7 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s48 | 0s26 | 5n 7 | 22s59 | 2s 9 | 26s 6 | 2s35 | 14s 4 | 0n14 | 13n28 | 1s20 | 12n40 | 1n28 | 23n 3 | 0n 5 | 10s44 | 0s58 | 5s44 | 16s57 | 23s26 | 23s28 | 12n26 | 7n41 | 6s 9 |
| S 2 | 17 5 | 5n 9 | 5 9 | 23 19 | 2 13 | 26 7 | 2 36 | 14 18 | 0 13 | 13 25 | 1 20 | 12 39 | 1 28 | 23 3 | 0 5 | 10 44 | 0 58 | 5 45 | 16 57 | 23 25 | 23 28 | 12 23 | 7 39 | 6 9 |
| S 3 | 17 22 | 10 27 | 4 51 | 23 38 | 2 16 | 26 7 | 2 37 | 14 32 | 0 13 | 13 23 | 1 20 | 12 38 | 1 29 | 23 3 | 0 5 | 10 44 | 0 58 | 5 45 | 16 57 | 23 25 | 23 28 | 12 21 | 7 38 | 6 10 |
| M 4 | 17 39 | 15 9 | 4 17 | 23 56 | 2 19 | 26 6 | 2 38 | 14 46 | 0 12 | 13 21 | 1 19 | 12 37 | 1 29 | 23 2 | 0 5 | 10 44 | 0 58 | 5 45 | 16 57 | 23 25 | 23 28 | 12 18 | 7 36 | 6 10 |
| T 5 | 17 55 | 18 59 | 3 29 | 24 12 | 2 22 | 26 4 | 2 39 | 14 59 | 0 11 | 13 18 | 1 19 | 12 36 | 1 29 | 23 2 | 0 5 | 10 44 | 0 58 | 5 45 | 16 57 | 23 25 | 23 28 | 12 16 | 7 35 | 6 11 |
| W 6 | 18 11 | 21 44 | 2 30 | 24 27 | 2 24 | 26 2 | 2 39 | 15 13 | 0 11 | 13 16 | 1 19 | 12 35 | 1 29 | 23 2 | 0 5 | 10 44 | 0 58 | 5 45 | 16 57 | 23 25 | 23 28 | 12 13 | 7 33 | 6 11 |
| T 7 | 18 27 | 23 15 | 1 24 | 24 40 | 2 26 | 25 59 | 2 40 | 15 26 | 0 10 | 13 14 | 1 19 | 12 35 | 1 30 | 23 2 | 0 5 | 10 44 | 0 58 | 5 46 | 16 56 | 23 24 | 23 27 | 12 11 | 7 32 | 6 12 |
| F 8 | 18 42 | 23 31 | 0 15 | 24 53 | 2 27 | 25 56 | 2 40 | 15 40 | 0 10 | 13 11 | 1 19 | 12 34 | 1 30 | 23 2 | 0 5 | 10 44 | 0 58 | 5 46 | 16 56 | 23 24 | 23 27 | 12 8 | 7 30 | 6 13 |
| S 9 | 18 57 | 22 34 | 0s53 | 25 3 | 2 28 | 25 51 | 2 41 | 15 53 | 0 9 | 13 9 | 1 19 | 12 33 | 1 30 | 23 1 | 0 5 | 10 44 | 0 58 | 5 46 | 16 56 | 23 24 | 23 27 | 12 6 | 7 29 | 6 13 |
| S 10 | 19 12 | 20 34 | 1 57 | 25 12 | 2 28 | 25 46 | 2 41 | 16 6 | 0 9 | 13 7 | 1 18 | 12 32 | 1 30 | 23 1 | 0 5 | 10 44 | 0 58 | 5 46 | 16 56 | 23 24 | 23 27 | 12 3 | 7 27 | 6 14 |
| M11 | 19 26 | 17 41 | 2 56 | 25 20 | 2 28 | 25 40 | 2 41 | 16 19 | 0 8 | 13 5 | 1 18 | 12 31 | 1 31 | 23 1 | 0 5 | 10 44 | 0 58 | 5 46 | 16 56 | 23 24 | 23 27 | 12 1 | 7 26 | 6 14 |
| T 12 | 19 40 | 14 6 | 3 46 | 25 26 | 2 27 | 25 34 | 2 41 | 16 32 | 0 7 | 13 3 | 1 18 | 12 31 | 1 31 | 23 1 | 0 5 | 10 44 | 0 58 | 5 46 | 16 55 | 23 25 | 23 27 | 11 58 | 7 25 | 6 15 |
| W13 | 19 54 | 9 59 | 4 26 | 25 31 | 2 26 | 25 27 | 2 41 | 16 45 | 0 7 | 13 0 | 1 18 | 12 30 | 1 31 | 23 1 | 0 5 | 10 44 | 0 58 | 5 46 | 16 55 | 23 25 | 23 27 | 11 56 | 7 24 | 6 15 |
| T 14 | 20 7 | 5 30 | 4 55 | 25 34 | 2 23 | 25 19 | 2 40 | 16 57 | 0 6 | 12 58 | 1 18 | 12 30 | 1 31 | 23 0 | 0 5 | 10 44 | 0 58 | 5 47 | 16 55 | 23 25 | 23 27 | 11 53 | 7 22 | 6 16 |
| F 15 | 20 20 | 0 45 | 5 11 | 25 36 | 2 20 | 25 10 | 2 40 | 17 10 | 0 6 | 12 56 | 1 17 | 12 29 | 1 31 | 23 0 | 0 5 | 10 44 | 0 58 | 5 47 | 16 55 | 23 25 | 23 27 | 11 51 | 7 21 | 6 17 |
| S 16 | 20 33 | 4s 5 | 5 14 | 25 35 | 2 16 | 25 1 | 2 39 | 17 22 | 0 5 | 12 54 | 1 17 | 12 28 | 1 32 | 23 0 | 0 5 | 10 44 | 0 58 | 5 47 | 16 55 | 23 24 | 23 26 | 11 48 | 7 20 | 6 17 |
| S 17 | 20 45 | 8 52 | 5 2 | 25 34 | 2 11 | 24 51 | 2 39 | 17 34 | 0 4 | 12 52 | 1 17 | 12 28 | 1 32 | 23 0 | 0 5 | 10 44 | 0 58 | 5 47 | 16 54 | 23 24 | 23 26 | 11 45 | 7 19 | 6 18 |
| M18 | 20 57 | 13 23 | 4 36 | 25 30 | 2 6 | 24 41 | 2 38 | 17 46 | 0 4 | 12 50 | 1 17 | 12 28 | 1 32 | 23 0 | 0 5 | 10 43 | 0 58 | 5 47 | 16 54 | 23 24 | 23 26 | 11 43 | 7 18 | 6 18 |
| T 19 | 21 8 | 17 25 | 3 54 | 25 25 | 1 59 | 24 30 | 2 37 | 17 58 | 0 3 | 12 48 | 1 17 | 12 27 | 1 32 | 22 59 | 0 5 | 10 43 | 0 58 | 5 47 | 16 54 | 23 24 | 23 26 | 11 40 | 7 17 | 6 19 |
| W20 | 21 19 | 20 40 | 2 58 | 25 19 | 1 51 | 24 18 | 2 36 | 18 10 | 0 2 | 12 47 | 1 16 | 12 27 | 1 33 | 22 59 | 0 5 | 10 43 | 0 58 | 5 47 | 16 54 | 23 24 | 23 26 | 11 38 | 7 16 | 6 20 |
| T 21 | 21 30 | 22 48 | 1 51 | 25 10 | 1 41 | 24 6 | 2 35 | 18 22 | 0 2 | 12 45 | 1 16 | 12 26 | 1 33 | 22 59 | 0 5 | 10 43 | 0 58 | 5 47 | 16 53 | 23 24 | 23 26 | 11 35 | 7 15 | 6 20 |
| F 22 | 21 40 | 23 33 | 0 35 | 25 0 | 1 31 | 23 53 | 2 33 | 18 33 | 0 1 | 12 43 | 1 16 | 12 26 | 1 33 | 22 59 | 0 5 | 10 43 | 0 58 | 5 47 | 16 53 | 23 24 | 23 26 | 11 33 | 7 14 | 6 21 |
| S 23 | 21 50 | 22 47 | 0n43 | 24 49 | 1 19 | 23 39 | 2 32 | 18 45 | 0 1 | 12 41 | 1 16 | 12 26 | 1 33 | 22 58 | 0 5 | 10 43 | 0 58 | 5 47 | 16 53 | 23 24 | 23 26 | 11 30 | 7 13 | 6 21 |
| S 24 | 21 59 | 20 31 | 2 0 | 24 36 | 1 6 | 23 25 | 2 30 | 18 56 | 0 0 | 12 40 | 1 15 | 12 26 | 1 34 | 22 58 | 0 5 | 10 42 | 0 58 | 5 47 | 16 53 | 23 24 | 23 26 | 11 28 | 7 12 | 6 22 |
| M25 | 22 8 | 16 56 | 3 9 | 24 21 | 0 51 | 23 11 | 2 28 | 19 7 | 0s 1 | 12 38 | 1 15 | 12 26 | 1 34 | 22 58 | 0 5 | 10 42 | 0 58 | 5 47 | 16 52 | 23 24 | 23 25 | 11 25 | 7 11 | 6 23 |
| T 26 | 22 16 | 12 22 | 4 7 | 24 5 | 0 35 | 22 55 | 2 26 | 19 18 | 0 1 | 12 37 | 1 15 | 12 25 | 1 34 | 22 58 | 0 5 | 10 42 | 0 58 | 5 47 | 16 52 | 23 24 | 23 25 | 11 23 | 7 11 | 6 23 |
| W27 | 22 24 | 7 8 | 4 48 | 23 47 | 0 18 | 22 40 | 2 24 | 19 28 | 0 2 | 12 35 | 1 14 | 12 25 | 1 34 | 22 57 | 0 5 | 10 42 | 0 58 | 5 47 | 16 52 | 23 24 | 23 25 | 11 20 | 7 10 | 6 24 |
| T 28 | 22 32 | 1 36 | 5 12 | 23 28 | 0n 1 | 22 23 | 2 22 | 19 39 | 0 3 | 12 34 | 1 14 | 12 25 | 1 35 | 22 57 | 0 5 | 10 41 | 0 58 | 5 47 | 16 52 | 23 24 | 23 25 | 11 18 | 7 9 | 6 24 |
| F 29 | 22 39 | 3n57 | 5 16 | 23 8 | 0 20 | 22 7 | 2 20 | 19 49 | 0 3 | 12 32 | 1 14 | 12 25 | 1 35 | 22 57 | 0 5 | 10 41 | 0 58 | 5 47 | 16 51 | 23 24 | 23 25 | 11 15 | 7 9 | 6 25 |
| S 30 | 22s46 | 9n14 | 5n 3 | 22s46 | 0n40 | 21s49 | 2s17 | 20s 0 | 0s 4 | 12n31 | 1s14 | 12n25 | 1n35 | 22n57 | 0n 5 | 10s41 | 0s58 | 5s47 | 16s51 | 23s24 | 23s25 | 11n13 | 7n 8 | 6s26 |

Julian Day Number = 2217736.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'39, Lahiri = 14°55'40 Julian Calendar 1 Nov. 1359 == Greg. Calendar 9 Nov. 1359


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# ASTRODIENST EPHEMERIS for the year 1359
# geocentric

## DECEMBER 1359 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 9 17 | 16♐49'24 | 25♈12 | 24°R20 | 3♒53 | 29♏23 | 6°R16 | 1♍37 | 16°R44 | 4♓48 | 25°R34 | 24°R18 | 24♐35 | 19♌ 5 | 25°R 7 | S 1 |
| M 2 | 5 13 14 | 17°50'30 | 8♉36 | 23♐ 9 | 4°57 | 0♐ 6 | 6♉11 | 1°37 | 16♊42 | 4°49 | 25♈34 | 24♐17 | 24°32 | 19°12 | 25♌ 7 | M 2 |
| T 3 | 5 17 10 | 18°51'37 | 21°46 | 21°51 | 6° 1 | 0°49 | 6° 7 | 1°37 | 16°39 | 4°50 | 25°33 | 24°16 | 24°29 | 19°18 | 25° 7 | T 3 |
| W 4 | 5 21 7 | 19°52'44 | 4♊42 | 20°29 | 7° 4 | 1°32 | 6° 3 | 1°R37 | 16°36 | 4°51 | 25°32 | 24°16 | 24°26 | 19°25 | 25° 7 | W 4 |
| T 5 | 5 25 4 | 20°53'52 | 17°26 | 19° 6 | 8° 7 | 2°15 | 5°59 | 1°37 | 16°34 | 4°52 | 25°32 | 24°16 | 24°22 | 19°32 | 25° 7 | T 5 |
| F 6 | 5 29 0 | 21°55'00 | 29°56 | 17°45 | 9° 9 | 2°59 | 5°56 | 1°37 | 16°31 | 4°53 | 25°31 | 24°D16 | 24°19 | 19°38 | 25° 6 | F 6 |
| S 7 | 5 32 57 | 22°56'08 | 12♋14 | 16°29 | 10°11 | 3°42 | 5°52 | 1°37 | 16°29 | 4°54 | 25°31 | 24°16 | 24°16 | 19°45 | 25° 6 | S 7 |
| S 8 | 5 36 53 | 23°57'17 | 24°22 | 15°19 | 11°13 | 4°25 | 5°49 | 1°37 | 16°26 | 4°55 | 25°30 | 24°R16 | 24°13 | 19°52 | 25° 5 | S 8 |
| M 9 | 5 40 50 | 24°58'26 | 6♌20 | 14°17 | 12°15 | 5° 9 | 5°46 | 1°36 | 16°24 | 4°56 | 25°30 | 24°16 | 24°10 | 19°59 | 25° 4 | M 9 |
| T 10 | 5 44 46 | 25°59'36 | 18°13 | 13°26 | 13°16 | 5°52 | 5°43 | 1°36 | 16°21 | 4°57 | 25°29 | 24°16 | 24° 7 | 20° 5 | 25° 3 | T 10 |
| W11 | 5 48 43 | 27° 0'46 | 0♍ 4 | 12°44 | 14°16 | 6°36 | 5°41 | 1°35 | 16°19 | 4°58 | 25°29 | 24°15 | 24° 3 | 20°12 | 25° 2 | W11 |
| T 12 | 5 52 39 | 28° 1'56 | 11°56 | 12°13 | 15°16 | 7°19 | 5°38 | 1°34 | 16°16 | 4°59 | 25°28 | 24°15 | 24° 0 | 20°19 | 25° 1 | T 12 |
| F 13 | 5 56 36 | 29° 3'07 | 23°54 | 11°52 | 16°16 | 8° 3 | 5°36 | 1°33 | 16°14 | 5° 0 | 25°28 | 24°D15 | 23°57 | 20°25 | 25° 0 | F 13 |
| S 14 | 6 0 33 | 0♎ 4'18 | 6♎ 3 | 11°42 | 17°15 | 8°46 | 5°34 | 1°32 | 16°11 | 5° 1 | 25°28 | 24°15 | 23°54 | 20°32 | 24°58 | S 14 |
| S 15 | 6 4 29 | 1° 5'30 | 18°26 | 11°D41 | 18°14 | 9°30 | 5°33 | 1°31 | 16° 9 | 5° 2 | 25°27 | 24°15 | 23°51 | 20°39 | 24°57 | S 15 |
| M16 | 6 8 26 | 2° 6'42 | 1♏10 | 11°49 | 19°13 | 10°14 | 5°31 | 1°30 | 16° 6 | 5° 4 | 25°27 | 24°16 | 23°47 | 20°45 | 24°55 | M16 |
| T 17 | 6 12 22 | 3° 7'54 | 14°16 | 12° 6 | 20°10 | 10°57 | 5°30 | 1°29 | 16° 4 | 5° 5 | 25°26 | 24°17 | 23°44 | 20°52 | 24°53 | T 17 |
| W18 | 6 16 19 | 4° 9'06 | 27°47 | 12°30 | 21° 8 | 11°41 | 5°28 | 1°27 | 16° 1 | 5° 6 | 25°26 | 24°18 | 23°41 | 20°59 | 24°52 | W18 |
| T 19 | 6 20 15 | 5°10'19 | 11♐44 | 13° 0 | 22° 4 | 12°25 | 5°27 | 1°26 | 15°59 | 5° 8 | 25°26 | 24°18 | 23°38 | 21° 6 | 24°50 | T 19 |
| F 20 | 6 24 12 | 6°11'31 | 26° 4 | 13°37 | 23° 1 | 13° 9 | 5°27 | 1°24 | 15°57 | 5° 9 | 25°25 | 24°R18 | 23°35 | 21°12 | 24°48 | F 20 |
| S 21 | 6 28 8 | 7°12'44 | 10♑42 | 14°19 | 23°56 | 13°53 | 5°26 | 1°22 | 15°54 | 5°10 | 25°25 | 24°18 | 23°32 | 21°19 | 24°46 | S 21 |
| S 22 | 6 32 5 | 8°13'56 | 25°33 | 15° 6 | 24°51 | 14°37 | 5°26 | 1°20 | 15°52 | 5°12 | 25°25 | 24°17 | 23°28 | 21°26 | 24°43 | S 22 |
| M23 | 6 36 2 | 9°15'08 | 10♒28 | 15°58 | 25°46 | 15°21 | 5°D26 | 1°19 | 15°50 | 5°13 | 25°25 | 24°15 | 23°25 | 21°32 | 24°41 | M23 |
| T 24 | 6 39 58 | 10°16'19 | 25°19 | 16°53 | 26°39 | 16° 5 | 5°26 | 1°16 | 15°47 | 5°15 | 25°25 | 24°13 | 23°22 | 21°39 | 24°39 | T 24 |
| W25 | 6 43 55 | 11°17'30 | 9♓59 | 17°52 | 27°32 | 16°49 | 5°26 | 1°14 | 15°45 | 5°16 | 25°24 | 24°11 | 23°19 | 21°46 | 24°36 | W25 |
| T 26 | 6 47 51 | 12°18'40 | 24°22 | 18°54 | 28°24 | 17°33 | 5°27 | 1°12 | 15°43 | 5°18 | 25°24 | 24° 9 | 23°16 | 21°52 | 24°34 | T 26 |
| F 27 | 6 51 48 | 13°19'49 | 8♈26 | 19°58 | 29°16 | 18°17 | 5°27 | 1°10 | 15°41 | 5°19 | 25°24 | 24°D 9 | 23°13 | 21°59 | 24°31 | F 27 |
| S 28 | 6 55 44 | 14°20'58 | 22° 9 | 21° 5 | 0♓ 7 | 19° 1 | 5°28 | 1° 7 | 15°39 | 5°21 | 25°24 | 24° 9 | 23° 9 | 22° 6 | 24°28 | S 28 |
| S 29 | 6 59 41 | 15°22'06 | 5♉33 | 22°15 | 0°56 | 19°45 | 5°29 | 1° 5 | 15°36 | 5°22 | 25°24 | 24°10 | 23° 6 | 22°13 | 24°25 | S 29 |
| M30 | 7 3 38 | 16°23'13 | 18°38 | 23°26 | 1°46 | 20°30 | 5°31 | 1° 2 | 15°34 | 5°24 | 25°24 | 24°11 | 23° 3 | 22°19 | 24°22 | M30 |
| T 31 | 7 7 34 | 17♎24'19 | 1♊27 | 24♐40 | 2♓34 | 21♐14 | 5♉32 | 0♍59 | 15♊32 | 5♓26 | 25♈24 | 24♐13 | 23♐ 0 | 22♌26 | 24♌19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s52 | 14n 0 | 4n32 | 22s24 | 1n 0 | 21s32 | 2s14 | 20s10 | 0s 4 | 12n30 | 1s13 | 12n25 | 1n35 | 22n56 | 0n 5 | 10s40 | 0s58 | 5s47 | 16s51 | 23s24 | 23s25 | 11n10 | 7n 7 | 6s26 | |
| M 2 | 22 58 | 18 0 | 3 47 | 22 0 | 1 20 | 21 13 | 2 12 | 20 19 | 0 5 | 12 29 | 1 13 | 12 25 | 1 36 | 22 56 | 0 5 | 10 40 | 0 58 | 5 47 | 16 50 | 23 24 | 23 25 | 11 7 | 7 7 | 6 27 | |
| T 3 | 23 3 | 21 1 | 2 51 | 21 37 | 1 40 | 20 55 | 2 9 | 20 29 | 0 6 | 12 28 | 1 13 | 12 26 | 1 36 | 22 56 | 0 5 | 10 40 | 0 58 | 5 47 | 16 50 | 23 24 | 23 24 | 11 5 | 7 6 | 6 27 | |
| W 4 | 23 8 | 22 54 | 1 46 | 21 13 | 1 58 | 20 35 | 2 5 | 20 39 | 0 6 | 12 27 | 1 13 | 12 26 | 1 36 | 22 56 | 0 5 | 10 40 | 0 58 | 5 47 | 16 50 | 23 24 | 23 24 | 11 2 | 7 6 | 6 28 | |
| T 5 | 23 13 | 23 33 | 0 38 | 20 51 | 2 14 | 20 16 | 2 2 | 20 48 | 0 7 | 12 26 | 1 12 | 12 26 | 1 36 | 22 56 | 0 5 | 10 39 | 0 58 | 5 47 | 16 50 | 23 24 | 23 24 | 11 0 | 7 5 | 6 28 | |
| F 6 | 23 16 | 23 0 | 0s31 | 20 30 | 2 28 | 19 56 | 1 58 | 20 57 | 0 8 | 12 25 | 1 12 | 12 26 | 1 37 | 22 55 | 0 5 | 10 39 | 0 58 | 5 47 | 16 49 | 23 24 | 23 24 | 10 57 | 7 5 | 6 29 | |
| S 7 | 23 20 | 21 20 | 1 38 | 20 10 | 2 41 | 19 35 | 1 55 | 21 6 | 0 8 | 12 24 | 1 12 | 12 27 | 1 37 | 22 55 | 0 5 | 10 38 | 0 57 | 5 47 | 16 49 | 23 24 | 23 24 | 10 55 | 7 5 | 6 30 | |
| S 8 | 23 23 | 18 42 | 2 40 | 19 53 | 2 50 | 19 15 | 1 51 | 21 15 | 0 9 | 12 23 | 1 11 | 12 27 | 1 37 | 22 55 | 0 5 | 10 38 | 0 57 | 5 47 | 16 49 | 23 24 | 23 24 | 10 52 | 7 4 | 6 30 | |
| M 9 | 23 26 | 15 19 | 3 33 | 19 39 | 2 58 | 18 54 | 1 47 | 21 23 | 0 10 | 12 22 | 1 11 | 12 27 | 1 37 | 22 55 | 0 5 | 10 38 | 0 57 | 5 47 | 16 48 | 23 24 | 23 24 | 10 50 | 7 4 | 6 31 | |
| T 10 | 23 28 | 11 21 | 4 17 | 19 28 | 3 3 | 18 32 | 1 43 | 21 32 | 0 10 | 12 22 | 1 11 | 12 28 | 1 38 | 22 54 | 0 5 | 10 37 | 0 57 | 5 46 | 16 48 | 23 24 | 23 23 | 10 47 | 7 4 | 6 31 | |
| W11 | 23 29 | 6 58 | 4 50 | 19 20 | 3 5 | 18 10 | 1 38 | 21 40 | 0 11 | 12 21 | 1 11 | 12 28 | 1 38 | 22 54 | 0 5 | 10 37 | 0 57 | 5 46 | 16 48 | 23 24 | 23 23 | 10 45 | 7 4 | 6 32 | |
| T 12 | 23 30 | 2 20 | 5 10 | 19 16 | 3 6 | 17 48 | 1 34 | 21 48 | 0 11 | 12 21 | 1 10 | 12 29 | 1 38 | 22 54 | 0 5 | 10 36 | 0 57 | 5 46 | 16 47 | 23 24 | 23 23 | 10 42 | 7 4 | 6 32 | |
| F 13 | 23 31 | 2s25 | 5 17 | 19 14 | 3 5 | 17 26 | 1 29 | 21 56 | 0 12 | 12 20 | 1 10 | 12 29 | 1 38 | 22 54 | 0 5 | 10 36 | 0 57 | 5 46 | 16 47 | 23 24 | 23 23 | 10 39 | 7 4 | 6 33 | |
| S 14 | 23 31 | 7 9 | 5 11 | 19 15 | 3 3 | 17 3 | 1 24 | 22 3 | 0 13 | 12 20 | 1 10 | 12 30 | 1 39 | 22 53 | 0 5 | 10 35 | 0 57 | 5 46 | 16 47 | 23 24 | 23 23 | 10 37 | 7 4 | 6 33 | |
| S 15 | 23 31 | 11 43 | 4 50 | 19 19 | 2 59 | 16 40 | 1 19 | 22 10 | 0 13 | 12 19 | 1 9 | 12 31 | 1 39 | 22 53 | 0 5 | 10 35 | 0 57 | 5 46 | 16 46 | 23 24 | 23 23 | 10 34 | 7 4 | 6 34 | |
| M16 | 23 30 | 15 53 | 4 14 | 19 25 | 2 54 | 16 17 | 1 13 | 22 18 | 0 14 | 12 19 | 1 9 | 12 31 | 1 39 | 22 53 | 0 5 | 10 35 | 0 57 | 5 45 | 16 46 | 23 24 | 23 23 | 10 32 | 7 4 | 6 34 | |
| T 17 | 23 29 | 19 25 | 3 24 | 19 33 | 2 48 | 15 53 | 1 8 | 22 24 | 0 15 | 12 19 | 1 9 | 12 32 | 1 39 | 22 53 | 0 5 | 10 34 | 0 57 | 5 45 | 16 46 | 23 24 | 23 22 | 10 29 | 7 4 | 6 35 | |
| W18 | 23 27 | 22 2 | 2 22 | 19 43 | 2 41 | 15 29 | 1 2 | 22 31 | 0 15 | 12 19 | 1 8 | 12 33 | 1 40 | 22 52 | 0 5 | 10 34 | 0 57 | 5 45 | 16 45 | 23 24 | 23 22 | 10 27 | 7 4 | 6 35 | |
| T 19 | 23 25 | 23 25 | 1 9 | 19 54 | 2 34 | 15 5 | 0 56 | 22 38 | 0 16 | 12 19 | 1 8 | 12 33 | 1 40 | 22 52 | 0 5 | 10 33 | 0 57 | 5 45 | 16 45 | 23 24 | 23 22 | 10 24 | 7 4 | 6 36 | |
| F 20 | 23 23 | 23 18 | 0n10 | 20 6 | 2 26 | 14 41 | 0 50 | 22 44 | 0 17 | 12 19 | 1 8 | 12 34 | 1 40 | 22 52 | 0 5 | 10 33 | 0 57 | 5 45 | 16 45 | 23 24 | 23 22 | 10 22 | 7 4 | 6 36 | |
| S 21 | 23 19 | 21 36 | 1 30 | 20 19 | 2 18 | 14 17 | 0 44 | 22 50 | 0 17 | 12 19 | 1 8 | 12 35 | 1 40 | 22 52 | 0 5 | 10 32 | 0 57 | 5 44 | 16 44 | 23 24 | 23 22 | 10 19 | 7 4 | 6 37 | |
| S 22 | 23 16 | 18 25 | 2 44 | 20 33 | 2 9 | 13 52 | 0 38 | 22 56 | 0 18 | 12 19 | 1 7 | 12 36 | 1 41 | 22 51 | 0 5 | 10 31 | 0 57 | 5 44 | 16 44 | 23 24 | 23 22 | 10 16 | 7 5 | 6 37 | |
| M23 | 23 12 | 14 1 | 3 48 | 20 47 | 2 0 | 13 28 | 0 31 | 23 1 | 0 19 | 12 20 | 1 7 | 12 37 | 1 41 | 22 51 | 0 5 | 10 31 | 0 57 | 5 44 | 16 44 | 23 24 | 23 21 | 10 14 | 7 5 | 6 38 | |
| T 24 | 23 7 | 8 47 | 4 37 | 21 1 | 1 51 | 13 3 | 0 24 | 23 7 | 0 19 | 12 20 | 1 7 | 12 38 | 1 41 | 22 51 | 0 5 | 10 30 | 0 57 | 5 44 | 16 43 | 23 24 | 23 21 | 10 11 | 7 5 | 6 38 | |
| W25 | 23 2 | 3 7 | 5 6 | 21 16 | 1 42 | 12 38 | 0 17 | 23 12 | 0 20 | 12 20 | 1 6 | 12 39 | 1 41 | 22 51 | 0 5 | 10 30 | 0 57 | 5 43 | 16 43 | 23 24 | 23 21 | 10 9 | 7 6 | 6 39 | |
| T 26 | 22 57 | 2n35 | 5 16 | 21 30 | 1 33 | 12 13 | 0 10 | 23 17 | 0 21 | 12 21 | 1 6 | 12 40 | 1 41 | 22 50 | 0 5 | 10 29 | 0 57 | 5 43 | 16 43 | 23 24 | 23 21 | 10 6 | 7 6 | 6 39 | |
| F 27 | 22 51 | 8 2 | 5 6 | 21 45 | 1 24 | 11 48 | 0 2 | 23 22 | 0 21 | 12 21 | 1 6 | 12 41 | 1 42 | 22 50 | 0 5 | 10 29 | 0 57 | 5 43 | 16 42 | 23 24 | 23 21 | 10 4 | 7 7 | 6 39 | |
| S 28 | 22 45 | 12 58 | 4 39 | 21 58 | 1 15 | 11 23 | 0n 5 | 23 26 | 0 22 | 12 22 | 1 5 | 12 42 | 1 42 | 22 50 | 0 5 | 10 28 | 0 57 | 5 43 | 16 42 | 23 24 | 23 21 | 10 1 | 7 7 | 6 40 | |
| S 29 | 22 38 | 17 8 | 3 57 | 22 12 | 1 6 | 10 58 | 0 13 | 23 30 | 0 23 | 12 22 | 1 5 | 12 43 | 1 42 | 22 50 | 0 5 | 10 27 | 0 57 | 5 42 | 16 41 | 23 24 | 23 20 | 9 58 | 7 8 | 6 40 | |
| M30 | 22 31 | 20 22 | 3 4 | 22 25 | 0 57 | 10 33 | 0 21 | 23 34 | 0 23 | 12 23 | 1 5 | 12 44 | 1 42 | 22 50 | 0 5 | 10 27 | 0 57 | 5 42 | 16 41 | 23 24 | 23 20 | 9 56 | 7 8 | 6 41 | |
| T 31 | 22s23 | 22n31 | 2n 2 | 22s37 | 0n48 | 10s 8 | 0n29 | 23s38 | 0s24 | 12n24 | 1s 4 | 12n45 | 1n43 | 22n49 | 0n 5 | 10s26 | 0s57 | 5s42 | 16s41 | 23s24 | 23s20 | 9n53 | 7n 9 | 6s41 | |

Julian Day Number = 2217766.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'43, Lahiri = 14°55'44 Julian Calendar 1 Dec. 1359 == Greg. Calendar 9 Dec. 1359


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## JANUARY 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 11 31 | 18♉25'25 | 14♊ 2 | 25♐55 | 3♓21 | 21♐58 | 5♉34 | 0°R56 | 15°R30 | 5♓27 | 25°D24 | 24♐14 | 22♐57 | 22♌33 | 24°R16 | W 1 |
| T 2 | 7 15 27 | 19°26'30 | 26°26 | 27°11 | 4° 7 | 22°43 | 5°36 | 0♍54 | 15♊28 | 5°29 | 25♈24 | 24°R14 | 22°53 | 22°39 | 24♌13 | T 2 |
| F 3 | 7 19 24 | 20°27'34 | 8♋40 | 28°29 | 4°52 | 23°27 | 5°38 | 0°51 | 15°26 | 5°31 | 25°24 | 24°14 | 22°50 | 22°46 | 24°10 | F 3 |
| S 4 | 7 23 20 | 21°28'37 | 20°47 | 29°49 | 5°37 | 24°11 | 5°40 | 0°47 | 15°24 | 5°33 | 25°24 | 24°11 | 22°47 | 22°53 | 24° 6 | S 4 |
| S 5 | 7 27 17 | 22°29'40 | 2♌47 | 1♉ 9 | 6°20 | 24°56 | 5°43 | 0°44 | 15°22 | 5°34 | 25°24 | 24° 7 | 22°44 | 22°59 | 24° 3 | S 5 |
| M 6 | 7 31 13 | 23°30'42 | 14°42 | 2°31 | 7° 2 | 25°40 | 5°46 | 0°41 | 15°20 | 5°36 | 25°24 | 24° 2 | 22°41 | 23° 6 | 23°59 | M 6 |
| T 7 | 7 35 10 | 24°31'43 | 26°34 | 3°53 | 7°43 | 26°25 | 5°49 | 0°38 | 15°19 | 5°38 | 25°24 | 23°57 | 22°38 | 23°13 | 23°56 | T 7 |
| W 8 | 7 39 7 | 25°32'43 | 8♍25 | 5°17 | 8°22 | 27° 9 | 5°52 | 0°34 | 15°17 | 5°40 | 25°24 | 23°51 | 22°34 | 23°20 | 23°52 | W 8 |
| T 9 | 7 43 3 | 26°33'43 | 20°17 | 6°42 | 9° 1 | 27°54 | 5°55 | 0°31 | 15°15 | 5°42 | 25°24 | 23°45 | 22°31 | 23°26 | 23°48 | T 9 |
| F 10 | 7 47 0 | 27°34'41 | 2♎15 | 8° 7 | 9°38 | 28°39 | 5°59 | 0°27 | 15°13 | 5°43 | 25°25 | 23°41 | 22°28 | 23°33 | 23°44 | F 10 |
| S 11 | 7 50 56 | 28°35'40 | 14°21 | 9°34 | 10°13 | 29°23 | 6° 2 | 0°23 | 15°12 | 5°45 | 25°25 | 23°38 | 22°25 | 23°40 | 23°40 | S 11 |
| S 12 | 7 54 53 | 29°36'37 | 26°40 | 11° 1 | 10°48 | 0♉ 8 | 6° 6 | 0°20 | 15°10 | 5°47 | 25°25 | 23°D37 | 22°22 | 23°46 | 23°36 | S 12 |
| M13 | 7 58 49 | 0♒37'34 | 9♏17 | 12°29 | 11°20 | 0°53 | 6°10 | 0°16 | 15° 8 | 5°49 | 25°25 | 23°37 | 22°19 | 23°53 | 23°32 | M13 |
| T 14 | 8 2 46 | 1°38'30 | 22°16 | 13°58 | 11°52 | 1°38 | 6°15 | 0°12 | 15° 7 | 5°51 | 25°26 | 23°39 | 22°15 | 24° 0 | 23°28 | T 14 |
| W15 | 8 6 42 | 2°39'26 | 5♐40 | 15°28 | 12°21 | 2°23 | 6°19 | 0° 8 | 15° 5 | 5°53 | 25°26 | 23°40 | 22°12 | 24° 7 | 23°24 | W15 |
| T 16 | 8 10 39 | 3°40'20 | 19°32 | 16°58 | 12°49 | 3° 7 | 6°24 | 0° 4 | 15° 4 | 5°55 | 25°26 | 23°R41 | 22° 9 | 24°13 | 23°20 | T 16 |
| F 17 | 8 14 36 | 4°41'14 | 3♉52 | 18°29 | 13°16 | 3°52 | 6°29 | 0° 0 | 15° 3 | 5°57 | 25°27 | 23°41 | 22° 6 | 24°20 | 23°16 | F 17 |
| S 18 | 8 18 32 | 5°42'06 | 18°37 | 20° 1 | 13°40 | 4°37 | 6°34 | 29♌56 | 15° 1 | 5°59 | 25°27 | 23°39 | 22° 3 | 24°27 | 23°11 | S 18 |
| S 19 | 8 22 29 | 6°42'58 | 3♒41 | 21°34 | 14° 3 | 5°22 | 6°39 | 29°52 | 15° 0 | 6° 1 | 25°27 | 23°34 | 21°59 | 24°33 | 23° 7 | S 19 |
| M20 | 8 26 25 | 7°43'48 | 18°56 | 23° 7 | 14°24 | 6° 7 | 6°44 | 29°48 | 14°59 | 6° 3 | 25°28 | 23°28 | 21°56 | 24°40 | 23° 3 | M20 |
| T 21 | 8 30 22 | 8°44'37 | 4♓10 | 24°42 | 14°43 | 6°52 | 6°50 | 29°43 | 14°57 | 6° 5 | 25°28 | 23°21 | 21°53 | 24°47 | 22°58 | T 21 |
| W22 | 8 34 18 | 9°45'24 | 19°13 | 26°17 | 15° 0 | 7°37 | 6°55 | 29°39 | 14°56 | 6° 7 | 25°29 | 23°14 | 21°50 | 24°54 | 22°54 | W22 |
| T 23 | 8 38 15 | 10°46'10 | 3♈56 | 27°52 | 15°15 | 8°23 | 7° 1 | 29°34 | 14°55 | 6° 9 | 25°29 | 23° 8 | 21°47 | 25° 0 | 22°49 | T 23 |
| F 24 | 8 42 11 | 11°46'54 | 18°14 | 29°29 | 15°27 | 9° 8 | 7° 7 | 29°30 | 14°54 | 6°12 | 25°29 | 23° 3 | 21°44 | 25° 7 | 22°45 | F 24 |
| S 25 | 8 46 8 | 12°47'37 | 2♉ 5 | 1♒ 7 | 15°38 | 9°53 | 7°13 | 29°26 | 14°53 | 6°14 | 25°30 | 23° 1 | 21°40 | 25°14 | 22°40 | S 25 |
| S 26 | 8 50 5 | 13°48'18 | 15°29 | 2°45 | 15°46 | 10°38 | 7°20 | 29°21 | 14°52 | 6°16 | 25°30 | 23°D 0 | 21°37 | 25°20 | 22°36 | S 26 |
| M27 | 8 54 1 | 14°48'57 | 28°28 | 4°24 | 15°52 | 11°23 | 7°26 | 29°16 | 14°51 | 6°18 | 25°31 | 23° 1 | 21°34 | 25°27 | 22°31 | M27 |
| T 28 | 8 57 58 | 15°49'35 | 11♊ 7 | 6° 4 | 15°55 | 12° 8 | 7°33 | 29°12 | 14°50 | 6°20 | 25°32 | 23° 2 | 21°31 | 25°34 | 22°26 | T 28 |
| W29 | 9 1 54 | 16°50'10 | 23°30 | 7°44 | 15°R56 | 12°54 | 7°40 | 29° 7 | 14°49 | 6°22 | 25°32 | 23°R 3 | 21°28 | 25°40 | 22°22 | W29 |
| T 30 | 9 5 51 | 17°50'44 | 5♋41 | 9°26 | 15°55 | 13°39 | 7°47 | 29° 3 | 14°48 | 6°24 | 25°33 | 23° 2 | 21°25 | 25°47 | 22°17 | T 30 |
| F 31 | 9 9 47 | 18♒51'17 | 17♋44 | 11♒ 9 | 15♓51 | 14♉24 | 7♉54 | 28♌58 | 14♊48 | 6♓27 | 25♈33 | 22♐58 | 21♐21 | 25♌54 | 22♌12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s15 | 23n29 | 0n56 | 22s48 | 0n39 | 9s43 | 0n38 | 23s41 | 0s25 | 12n25 | 1s 4 | 12n47 | 1n43 | 22n49 | 0n 5 | 10s26 | 0s57 | 5s41 | 16s40 | 23s24 | 23s20 | 9n51 | 7n10 | 6s41 |
| T 2 | 22 6 | 23 16 | 0s12 | 22 59 | 0 31 | 9 19 | 0 47 | 23 45 | 0 25 | 12 26 | 1 4 | 12 48 | 1 43 | 22 49 | 0 5 | 10 25 | 0 57 | 5 41 | 16 40 | 23 24 | 23 20 | 9 48 | 7 10 | 6 42 |
| F 3 | 21 57 | 21 56 | 1 19 | 23 9 | 0 22 | 8 54 | 0 55 | 23 48 | 0 26 | 12 27 | 1 4 | 12 49 | 1 43 | 22 49 | 0 5 | 10 24 | 0 57 | 5 41 | 16 40 | 23 24 | 23 20 | 9 46 | 7 11 | 6 42 |
| S 4 | 21 48 | 19 36 | 2 21 | 23 18 | 0 14 | 8 29 | 1 5 | 23 50 | 0 27 | 12 28 | 1 3 | 12 51 | 1 43 | 22 48 | 0 5 | 10 24 | 0 57 | 5 40 | 16 39 | 23 24 | 23 19 | 9 43 | 7 12 | 6 42 |
| S 5 | 21 38 | 16 26 | 3 16 | 23 26 | 0 5 | 8 5 | 1 14 | 23 53 | 0 28 | 12 29 | 1 3 | 12 52 | 1 44 | 22 48 | 0 5 | 10 23 | 0 57 | 5 40 | 16 39 | 23 23 | 23 19 | 9 40 | 7 13 | 6 43 |
| M 6 | 21 28 | 12 38 | 4 2 | 23 32 | 0s 3 | 7 40 | 1 23 | 23 55 | 0 28 | 12 30 | 1 3 | 12 53 | 1 44 | 22 48 | 0 5 | 10 22 | 0 57 | 5 39 | 16 39 | 23 23 | 23 19 | 9 38 | 7 14 | 6 43 |
| T 7 | 21 17 | 8 22 | 4 37 | 23 38 | 0 10 | 7 16 | 1 33 | 23 57 | 0 29 | 12 31 | 1 2 | 12 55 | 1 44 | 22 48 | 0 5 | 10 22 | 0 57 | 5 39 | 16 38 | 23 23 | 23 19 | 9 35 | 7 15 | 6 43 |
| W 8 | 21 6 | 3 48 | 5 1 | 23 43 | 0 18 | 6 52 | 1 43 | 23 59 | 0 30 | 12 33 | 1 2 | 12 56 | 1 44 | 22 48 | 0 5 | 10 21 | 0 57 | 5 39 | 16 38 | 23 23 | 23 19 | 9 33 | 7 15 | 6 44 |
| T 9 | 20 55 | 0s54 | 5 11 | 23 47 | 0 26 | 6 28 | 1 53 | 24 1 | 0 30 | 12 34 | 1 2 | 12 57 | 1 44 | 22 47 | 0 5 | 10 20 | 0 57 | 5 38 | 16 38 | 23 22 | 23 19 | 9 30 | 7 16 | 6 44 |
| F 10 | 20 43 | 5 36 | 5 8 | 23 49 | 0 33 | 6 5 | 2 4 | 24 2 | 0 31 | 12 36 | 1 1 | 12 59 | 1 45 | 22 47 | 0 5 | 10 20 | 0 57 | 5 38 | 16 37 | 23 22 | 23 18 | 9 28 | 7 17 | 6 44 |
| S 11 | 20 31 | 10 9 | 4 52 | 23 50 | 0 40 | 5 42 | 2 14 | 24 3 | 0 32 | 12 37 | 1 1 | 13 0 | 1 45 | 22 47 | 0 5 | 10 19 | 0 57 | 5 38 | 16 37 | 23 22 | 23 18 | 9 25 | 7 18 | 6 44 |
| S 12 | 20 18 | 14 23 | 4 22 | 23 51 | 0 47 | 5 19 | 2 25 | 24 4 | 0 32 | 12 39 | 1 1 | 13 2 | 1 45 | 22 47 | 0 5 | 10 18 | 0 57 | 5 37 | 16 36 | 23 22 | 23 18 | 9 22 | 7 20 | 6 45 |
| M13 | 20 5 | 18 5 | 3 38 | 23 49 | 0 53 | 4 56 | 2 36 | 24 4 | 0 33 | 12 40 | 1 1 | 13 3 | 1 45 | 22 47 | 0 5 | 10 17 | 0 57 | 5 37 | 16 36 | 23 22 | 23 18 | 9 20 | 7 21 | 6 45 |
| T 14 | 19 52 | 21 1 | 2 43 | 23 47 | 1 0 | 4 34 | 2 47 | 24 4 | 0 34 | 12 42 | 1 0 | 13 5 | 1 45 | 22 47 | 0 5 | 10 17 | 0 57 | 5 36 | 16 36 | 23 22 | 23 18 | 9 17 | 7 22 | 6 45 |
| W15 | 19 38 | 22 54 | 1 36 | 23 43 | 1 6 | 4 12 | 2 58 | 24 4 | 0 34 | 12 44 | 1 0 | 13 7 | 1 46 | 22 46 | 0 5 | 10 16 | 0 57 | 5 36 | 16 35 | 23 22 | 23 17 | 9 15 | 7 23 | 6 45 |
| T 16 | 19 24 | 23 29 | 0 23 | 23 38 | 1 12 | 3 51 | 3 10 | 24 4 | 0 35 | 12 45 | 1 0 | 13 8 | 1 46 | 22 46 | 0 5 | 10 15 | 0 57 | 5 35 | 16 35 | 23 22 | 23 17 | 9 12 | 7 24 | 6 45 |
| F 17 | 19 9 | 22 33 | 0n55 | 23 31 | 1 18 | 3 30 | 3 22 | 24 4 | 0 36 | 12 47 | 0 59 | 13 10 | 1 46 | 22 46 | 0 5 | 10 14 | 0 57 | 5 35 | 16 35 | 23 22 | 23 17 | 9 9 | 7 25 | 6 45 |
| S 18 | 18 55 | 20 4 | 2 11 | 23 23 | 1 23 | 3 9 | 3 34 | 24 3 | 0 36 | 12 49 | 0 59 | 13 11 | 1 46 | 22 46 | 0 5 | 10 14 | 0 57 | 5 34 | 16 34 | 23 22 | 23 17 | 9 7 | 7 27 | 6 46 |
| S 19 | 18 39 | 16 10 | 3 19 | 23 14 | 1 28 | 2 49 | 3 46 | 24 2 | 0 37 | 12 51 | 0 59 | 13 13 | 1 46 | 22 46 | 0 5 | 10 13 | 0 57 | 5 34 | 16 34 | 23 22 | 23 17 | 9 4 | 7 28 | 6 46 |
| M20 | 18 24 | 11 10 | 4 14 | 23 3 | 1 33 | 2 30 | 3 58 | 24 0 | 0 38 | 12 53 | 0 59 | 13 15 | 1 46 | 22 46 | 0 5 | 10 12 | 0 57 | 5 34 | 16 34 | 23 22 | 23 17 | 9 2 | 7 29 | 6 46 |
| T 21 | 18 8 | 5 30 | 4 51 | 22 51 | 1 37 | 2 12 | 4 10 | 23 59 | 0 38 | 12 55 | 0 58 | 13 16 | 1 47 | 22 46 | 0 5 | 10 11 | 0 57 | 5 33 | 16 33 | 23 21 | 23 16 | 8 59 | 7 30 | 6 46 |
| W22 | 17 52 | 0n26 | 5 7 | 22 38 | 1 42 | 1 54 | 4 23 | 23 57 | 0 39 | 12 57 | 0 58 | 13 18 | 1 47 | 22 45 | 0 5 | 10 11 | 0 57 | 5 33 | 16 33 | 23 21 | 23 16 | 8 57 | 7 32 | 6 46 |
| T 23 | 17 36 | 6 12 | 5 3 | 22 23 | 1 45 | 1 36 | 4 35 | 23 55 | 0 40 | 13 0 | 0 58 | 13 20 | 1 47 | 22 45 | 0 5 | 10 10 | 0 57 | 5 32 | 16 33 | 23 21 | 23 16 | 8 54 | 7 33 | 6 46 |
| F 24 | 17 19 | 11 28 | 4 39 | 22 6 | 1 49 | 1 20 | 4 48 | 23 53 | 0 40 | 13 2 | 0 58 | 13 21 | 1 47 | 22 45 | 0 5 | 10 9 | 0 57 | 5 32 | 16 32 | 23 20 | 23 16 | 8 51 | 7 35 | 6 46 |
| S 25 | 17 2 | 15 59 | 4 0 | 21 48 | 1 52 | 1 4 | 5 1 | 23 50 | 0 41 | 13 4 | 0 57 | 13 23 | 1 47 | 22 45 | 0 5 | 10 8 | 0 57 | 5 31 | 16 32 | 23 20 | 23 16 | 8 49 | 7 36 | 6 46 |
| S 26 | 16 44 | 19 32 | 3 8 | 21 29 | 1 55 | 0 49 | 5 13 | 23 47 | 0 42 | 13 6 | 0 57 | 13 25 | 1 47 | 22 45 | 0 5 | 10 7 | 0 57 | 5 31 | 16 32 | 23 20 | 23 15 | 8 46 | 7 37 | 6 46 |
| M27 | 16 27 | 21 58 | 2 8 | 21 8 | 1 58 | 0 35 | 5 26 | 23 44 | 0 42 | 13 9 | 0 57 | 13 27 | 1 47 | 22 45 | 0 5 | 10 7 | 0 57 | 5 30 | 16 31 | 23 20 | 23 15 | 8 44 | 7 39 | 6 46 |
| T 28 | 16 9 | 23 14 | 1 4 | 20 46 | 2 0 | 0 22 | 5 39 | 23 41 | 0 43 | 13 11 | 0 56 | 13 28 | 1 48 | 22 45 | 0 5 | 10 6 | 0 57 | 5 30 | 16 31 | 23 20 | 23 15 | 8 41 | 7 40 | 6 46 |
| W29 | 15 51 | 23 19 | 0s 2 | 20 22 | 2 2 | 0 10 | 5 52 | 23 37 | 0 44 | 13 14 | 0 56 | 13 30 | 1 48 | 22 45 | 0 5 | 10 5 | 0 57 | 5 29 | 16 31 | 23 20 | 23 15 | 8 38 | 7 42 | 6 46 |
| T 30 | 15 32 | 22 17 | 1 7 | 19 56 | 2 3 | 0n 1 | 6 4 | 23 33 | 0 45 | 13 16 | 0 56 | 13 32 | 1 48 | 22 45 | 0 5 | 10 4 | 0 57 | 5 29 | 16 30 | 23 20 | 23 15 | 8 36 | 7 43 | 6 46 |
| F 31 | 15s13 | 20n13 | 2s 8 | 19s29 | 2s 4 | 0n11 | 6n17 | 23s29 | 0s45 | 13n19 | 0s56 | 13n34 | 1n48 | 22n45 | 0n 5 | 10s 3 | 0s57 | 5s28 | 16s30 | 23s20 | 23s14 | 8n33 | 7n45 | 6s46 |

Julian Day Number = 2217797.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'48, Lahiri = 14°55'48 Julian Calendar 1 Jan. 1360 == Greg. Calendar 9 Jan. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## FEBRUARY 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 13 44 | 19♒51'47 | 29♋40 | 12♒52 | 15°R44 | 15♉10 | 8♉ 1 | 28°R53 | 14°R47 | 6♓29 | 25♈34 | 22°R53 | 21♐18 | 26♌ 1 | 22°R 8 | S 1 |
| S 2 | 9 17 40 | 20°52'16 | 11♌34 | 14°36 | 15♓35 | 15°55 | 8° 9 | 28♌48 | 14♊46 | 6°31 | 25°35 | 22♐44 | 21°15 | 26° 7 | 22♌ 3 | S 2 |
| M 3 | 9 21 37 | 21°52'43 | 23°26 | 16°22 | 15°23 | 16°41 | 8°17 | 28°44 | 14°46 | 6°33 | 25°35 | 22°34 | 21°12 | 26°14 | 21°58 | M 3 |
| T 4 | 9 25 34 | 22°53'09 | 5♍18 | 18° 8 | 15° 9 | 17°26 | 8°24 | 28°39 | 14°45 | 6°35 | 25°36 | 22°22 | 21° 9 | 26°21 | 21°54 | T 4 |
| W 5 | 9 29 30 | 23°53'32 | 17°11 | 19°55 | 14°52 | 18°11 | 8°32 | 28°34 | 14°45 | 6°38 | 25°37 | 22°10 | 21° 5 | 26°27 | 21°49 | W 5 |
| T 6 | 9 33 27 | 24°53'55 | 29° 8 | 21°43 | 14°33 | 18°57 | 8°40 | 28°29 | 14°44 | 6°40 | 25°38 | 21°58 | 21° 2 | 26°34 | 21°44 | T 6 |
| F 7 | 9 37 23 | 25°54'15 | 11♎ 9 | 23°32 | 14°12 | 19°43 | 8°49 | 28°24 | 14°44 | 6°42 | 25°38 | 21°48 | 20°59 | 26°41 | 21°40 | F 7 |
| S 8 | 9 41 20 | 26°54'35 | 23°18 | 25°22 | 13°48 | 20°28 | 8°57 | 28°20 | 14°44 | 6°44 | 25°39 | 21°40 | 20°56 | 26°48 | 21°35 | S 8 |
| S 9 | 9 45 16 | 27°54'52 | 5♏38 | 27°13 | 13°22 | 21°14 | 9° 5 | 28°15 | 14°43 | 6°47 | 25°40 | 21°35 | 20°53 | 26°54 | 21°30 | S 9 |
| M10 | 9 49 13 | 28°55'08 | 18°12 | 29° 5 | 12°54 | 21°59 | 9°14 | 28°10 | 14°43 | 6°49 | 25°41 | 21°33 | 20°50 | 27° 1 | 21°26 | M10 |
| T 11 | 9 53 9 | 29°55'23 | 1♐ 4 | 0♓58 | 12°25 | 22°45 | 9°23 | 28° 5 | 14°43 | 6°51 | 25°42 | 21°D32 | 20°46 | 27° 8 | 21°21 | T 11 |
| W12 | 9 57 6 | 0♓55'37 | 14°19 | 2°51 | 11°53 | 23°31 | 9°32 | 28° 0 | 14°43 | 6°53 | 25°42 | 21°R33 | 20°43 | 27°14 | 21°16 | W12 |
| T 13 | 10 1 3 | 1°55'48 | 28° 0 | 4°45 | 11°20 | 24°16 | 9°41 | 27°56 | 14°43 | 6°56 | 25°43 | 21°33 | 20°40 | 27°21 | 21°12 | T 13 |
| F 14 | 10 4 59 | 2°55'59 | 12♑ 8 | 6°40 | 10°46 | 25° 2 | 9°50 | 27°51 | 14°D43 | 6°58 | 25°44 | 21°31 | 20°37 | 27°28 | 21° 7 | F 14 |
| S 15 | 10 8 56 | 3°56'07 | 26°44 | 8°36 | 10°10 | 25°48 | 9°59 | 27°46 | 14°43 | 7° 0 | 25°45 | 21°27 | 20°34 | 27°35 | 21° 3 | S 15 |
| S 16 | 10 12 52 | 4°56'14 | 11♒43 | 10°32 | 9°34 | 26°33 | 10° 8 | 27°41 | 14°43 | 7° 3 | 25°46 | 21°20 | 20°30 | 27°41 | 20°58 | S 16 |
| M17 | 10 16 49 | 5°56'19 | 26°58 | 12°28 | 8°57 | 27°19 | 10°18 | 27°36 | 14°43 | 7° 5 | 25°47 | 21°11 | 20°27 | 27°48 | 20°54 | M17 |
| T 18 | 10 20 45 | 6°56'22 | 12♓18 | 14°25 | 8°19 | 28° 5 | 10°28 | 27°32 | 14°43 | 7° 7 | 25°48 | 21° 0 | 20°24 | 27°55 | 20°49 | T 18 |
| W19 | 10 24 42 | 7°56'24 | 27°32 | 16°21 | 7°42 | 28°51 | 10°37 | 27°27 | 14°44 | 7° 9 | 25°49 | 20°49 | 20°21 | 28° 1 | 20°45 | W19 |
| T 20 | 10 28 38 | 8°56'23 | 12♈29 | 18°17 | 7° 4 | 29°37 | 10°47 | 27°22 | 14°44 | 7°12 | 25°50 | 20°39 | 20°18 | 28° 8 | 20°40 | T 20 |
| F 21 | 10 32 35 | 9°56'20 | 27° 0 | 20°13 | 6°27 | 0♒22 | 10°57 | 27°18 | 14°44 | 7°14 | 25°51 | 20°31 | 20°15 | 28°15 | 20°36 | F 21 |
| S 22 | 10 36 31 | 10°56'15 | 11♉ 2 | 22° 7 | 5°50 | 1° 8 | 11° 7 | 27°13 | 14°45 | 7°16 | 25°52 | 20°26 | 20°11 | 28°22 | 20°32 | S 22 |
| S 23 | 10 40 28 | 11°56'08 | 24°34 | 24° 1 | 5°14 | 1°54 | 11°17 | 27° 8 | 14°45 | 7°18 | 25°53 | 20°23 | 20° 8 | 28°28 | 20°28 | S 23 |
| M24 | 10 44 25 | 12°55'58 | 7♊38 | 25°52 | 4°39 | 2°40 | 11°28 | 27° 4 | 14°46 | 7°21 | 25°54 | 20°22 | 20° 5 | 28°35 | 20°23 | M24 |
| T 25 | 10 48 21 | 13°55'46 | 20°18 | 27°42 | 4° 6 | 3°26 | 11°38 | 26°59 | 14°46 | 7°23 | 25°55 | 20°22 | 20° 2 | 28°42 | 20°19 | T 25 |
| W26 | 10 52 18 | 14°55'32 | 2♋38 | 29°29 | 3°34 | 4°12 | 11°49 | 26°55 | 14°47 | 7°25 | 25°56 | 20°22 | 19°59 | 28°48 | 20°15 | W26 |
| T 27 | 10 56 14 | 15°55'16 | 14°45 | 1♈14 | 3° 4 | 4°58 | 11°59 | 26°50 | 14°48 | 7°27 | 25°57 | 20°20 | 19°56 | 28°55 | 20°11 | T 27 |
| F 28 | 11 0 11 | 16°54'57 | 26°42 | 2°54 | 2°35 | 5°44 | 12°10 | 26°46 | 14°48 | 7°30 | 25°58 | 20°16 | 19°52 | 29° 2 | 20° 7 | F 28 |
| S 29 | 11 4 7 | 17♓54'37 | 8♌34 | 4♈31 | 2♓ 8 | 6♒30 | 12♉21 | 26♌42 | 14♊49 | 7♓32 | 25♈59 | 20♐ 8 | 19♐49 | 29♌ 9 | 20♌ 3 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s54 | 17n18 | 3s 3 | 19s 0 | 2s 5 | 0n20 | 6n29 | 23s25 | 0s46 | 13n21 | 0s55 | 13n35 | 1n48 | 22n44 | 0n 5 | 10s 3 | 0s57 | 5s28 | 16s30 | 23s20 | 23s14 | 8n31 | 7n47 | 6s46 |
| S 2 | 14 35 | 13 42 | 3 49 | 18 30 | 2 5 | 0 28 | 6 41 | 23 20 | 0 47 | 13 24 | 0 55 | 13 37 | 1 48 | 22 44 | 0 5 | 10 2 | 0 57 | 5 27 | 16 29 | 23 19 | 23 14 | 8 28 | 7 48 | 6 46 |
| M 3 | 14 16 | 9 35 | 4 25 | 17 59 | 2 5 | 0 34 | 6 53 | 23 15 | 0 47 | 13 27 | 0 55 | 13 39 | 1 48 | 22 44 | 0 5 | 10 1 | 0 57 | 5 26 | 16 29 | 23 19 | 23 14 | 8 25 | 7 50 | 6 46 |
| T 4 | 13 56 | 5 6 | 4 50 | 17 25 | 2 5 | 0 40 | 7 5 | 23 10 | 0 48 | 13 30 | 0 55 | 13 41 | 1 48 | 22 44 | 0 5 | 10 0 | 0 57 | 5 26 | 16 29 | 23 18 | 23 14 | 8 23 | 7 51 | 6 46 |
| W 5 | 13 36 | 0 27 | 5 2 | 16 50 | 2 3 | 0 44 | 7 16 | 23 5 | 0 49 | 13 32 | 0 54 | 13 42 | 1 49 | 22 44 | 0 5 | 9 59 | 0 57 | 5 25 | 16 28 | 23 17 | 23 13 | 8 20 | 7 53 | 6 45 |
| T 6 | 13 16 | 4s15 | 5 1 | 16 14 | 2 2 | 0 47 | 7 27 | 22 59 | 0 49 | 13 35 | 0 54 | 13 44 | 1 49 | 22 44 | 0 6 | 9 59 | 0 57 | 5 25 | 16 28 | 23 17 | 23 13 | 8 18 | 7 55 | 6 45 |
| F 7 | 12 56 | 8 49 | 4 46 | 15 36 | 2 0 | 0 48 | 7 38 | 22 53 | 0 50 | 13 38 | 0 54 | 13 46 | 1 49 | 22 44 | 0 6 | 9 58 | 0 57 | 5 24 | 16 28 | 23 16 | 23 13 | 8 15 | 7 56 | 6 45 |
| S 8 | 12 35 | 13 5 | 4 19 | 14 57 | 1 57 | 0 48 | 7 47 | 22 47 | 0 51 | 13 41 | 0 54 | 13 48 | 1 49 | 22 44 | 0 6 | 9 57 | 0 57 | 5 24 | 16 27 | 23 16 | 23 13 | 8 12 | 7 58 | 6 45 |
| S 9 | 12 14 | 16 53 | 3 39 | 14 16 | 1 54 | 0 47 | 7 57 | 22 41 | 0 51 | 13 44 | 0 53 | 13 50 | 1 49 | 22 44 | 0 6 | 9 56 | 0 57 | 5 23 | 16 27 | 23 15 | 23 12 | 8 10 | 8 0 | 6 45 |
| M10 | 11 53 | 19 59 | 2 47 | 13 33 | 1 51 | 0 44 | 8 5 | 22 34 | 0 52 | 13 47 | 0 53 | 13 51 | 1 49 | 22 44 | 0 6 | 9 55 | 0 57 | 5 23 | 16 27 | 23 15 | 23 12 | 8 7 | 8 1 | 6 44 |
| T 11 | 11 32 | 22 11 | 1 47 | 12 50 | 1 46 | 0 40 | 8 13 | 22 28 | 0 52 | 13 50 | 0 53 | 13 53 | 1 49 | 22 44 | 0 6 | 9 54 | 0 57 | 5 22 | 16 26 | 23 15 | 23 12 | 8 5 | 8 3 | 6 44 |
| W12 | 11 11 | 23 14 | 0 38 | 12 4 | 1 42 | 0 35 | 8 21 | 22 20 | 0 53 | 13 53 | 0 53 | 13 55 | 1 49 | 22 44 | 0 6 | 9 53 | 0 57 | 5 21 | 16 26 | 23 15 | 23 12 | 8 2 | 8 5 | 6 44 |
| T 13 | 10 49 | 22 56 | 0n34 | 11 18 | 1 36 | 0 29 | 8 27 | 22 13 | 0 54 | 13 56 | 0 53 | 13 57 | 1 49 | 22 44 | 0 6 | 9 53 | 0 57 | 5 21 | 16 26 | 23 15 | 23 12 | 7 59 | 8 6 | 6 44 |
| F 14 | 10 28 | 21 11 | 1 47 | 10 29 | 1 30 | 0 21 | 8 33 | 22 6 | 0 54 | 13 59 | 0 52 | 13 58 | 1 49 | 22 44 | 0 6 | 9 52 | 0 57 | 5 20 | 16 26 | 23 15 | 23 11 | 7 57 | 8 8 | 6 43 |
| S 15 | 10 6 | 18 1 | 2 55 | 9 40 | 1 24 | 0 12 | 8 37 | 21 58 | 0 55 | 14 2 | 0 52 | 14 0 | 1 49 | 22 44 | 0 6 | 9 51 | 0 57 | 5 20 | 16 25 | 23 15 | 23 11 | 7 54 | 8 10 | 6 43 |
| S 16 | 9 44 | 13 36 | 3 53 | 8 50 | 1 17 | 0 2 | 8 41 | 21 50 | 0 56 | 14 5 | 0 52 | 14 2 | 1 49 | 22 44 | 0 6 | 9 50 | 0 57 | 5 19 | 16 25 | 23 14 | 23 11 | 7 52 | 8 11 | 6 43 |
| M17 | 9 22 | 8 15 | 4 35 | 7 58 | 1 9 | 0s 9 | 8 44 | 21 41 | 0 56 | 14 9 | 0 52 | 14 3 | 1 49 | 22 44 | 0 6 | 9 49 | 0 57 | 5 19 | 16 25 | 23 14 | 23 11 | 7 49 | 8 13 | 6 42 |
| T 18 | 9 0 | 2 23 | 4 58 | 7 5 | 1 1 | 0 21 | 8 46 | 21 33 | 0 57 | 14 12 | 0 51 | 14 5 | 1 49 | 22 44 | 0 6 | 9 48 | 0 57 | 5 18 | 16 24 | 23 13 | 23 10 | 7 46 | 8 15 | 6 42 |
| W19 | 8 37 | 3n35 | 4 59 | 6 12 | 0 52 | 0 34 | 8 46 | 21 24 | 0 58 | 14 15 | 0 51 | 14 7 | 1 50 | 22 44 | 0 6 | 9 48 | 0 57 | 5 17 | 16 24 | 23 12 | 23 10 | 7 44 | 8 17 | 6 42 |
| T 20 | 8 15 | 9 14 | 4 40 | 5 18 | 0 42 | 0 48 | 8 46 | 21 15 | 0 58 | 14 18 | 0 51 | 14 8 | 1 50 | 22 44 | 0 6 | 9 47 | 0 57 | 5 17 | 16 24 | 23 11 | 23 10 | 7 41 | 8 18 | 6 41 |
| F 21 | 7 52 | 14 13 | 4 3 | 4 23 | 0 32 | 1 2 | 8 45 | 21 6 | 0 59 | 14 22 | 0 51 | 14 10 | 1 50 | 22 44 | 0 6 | 9 46 | 0 57 | 5 16 | 16 24 | 23 11 | 23 10 | 7 39 | 8 20 | 6 41 |
| S 22 | 7 29 | 18 14 | 3 12 | 3 28 | 0 22 | 1 17 | 8 43 | 20 57 | 1 0 | 14 25 | 0 51 | 14 12 | 1 50 | 22 44 | 0 6 | 9 45 | 0 57 | 5 16 | 16 23 | 23 11 | 23 9 | 7 36 | 8 22 | 6 40 |
| S 23 | 7 7 | 21 7 | 2 12 | 2 33 | 0 11 | 1 33 | 8 40 | 20 47 | 1 0 | 14 28 | 0 50 | 14 13 | 1 50 | 22 44 | 0 6 | 9 44 | 0 57 | 5 15 | 16 23 | 23 10 | 23 9 | 7 33 | 8 23 | 6 40 |
| M24 | 6 44 | 22 46 | 1 7 | 1 38 | 0n 1 | 1 49 | 8 36 | 20 37 | 1 1 | 14 32 | 0 50 | 14 15 | 1 50 | 22 44 | 0 6 | 9 43 | 0 57 | 5 14 | 16 23 | 23 10 | 23 9 | 7 31 | 8 25 | 6 40 |
| T 25 | 6 21 | 23 10 | 0 0 | 0 43 | 0 13 | 2 6 | 8 31 | 20 27 | 1 1 | 14 35 | 0 50 | 14 16 | 1 50 | 22 45 | 0 6 | 9 43 | 0 57 | 5 14 | 16 23 | 23 10 | 23 9 | 7 28 | 8 27 | 6 39 |
| W26 | 5 57 | 22 25 | 1s 4 | 0n11 | 0 25 | 2 22 | 8 26 | 20 17 | 1 2 | 14 39 | 0 50 | 14 18 | 1 50 | 22 45 | 0 6 | 9 42 | 0 57 | 5 13 | 16 22 | 23 10 | 23 9 | 7 26 | 8 28 | 6 39 |
| T 27 | 5 34 | 20 38 | 2 5 | 1 4 | 0 38 | 2 39 | 8 19 | 20 6 | 1 3 | 14 42 | 0 50 | 14 20 | 1 50 | 22 45 | 0 6 | 9 41 | 0 57 | 5 13 | 16 22 | 23 10 | 23 8 | 7 23 | 8 30 | 6 38 |
| F 28 | 5 11 | 17 57 | 2 59 | 1 56 | 0 51 | 2 56 | 8 12 | 19 56 | 1 3 | 14 45 | 0 49 | 14 21 | 1 50 | 22 45 | 0 6 | 9 40 | 0 57 | 5 12 | 16 22 | 23 10 | 23 8 | 7 20 | 8 32 | 6 38 |
| S 29 | 4s48 | 14n34 | 3s45 | 2n46 | 1n 4 | 3s12 | 8n 4 | 19s45 | 1s 4 | 14n49 | 0s49 | 14n23 | 1n50 | 22n45 | 0n 6 | 9s39 | 0s57 | 5s11 | 16s22 | 23s 9 | 23s 8 | 7n18 | 8n34 | 6s37 |

Julian Day Number = 2217828.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'52, Lahiri = 14°55'52 Julian Calendar 1 Feb. 1360 == Greg. Calendar 9 Feb. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## MARCH 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 8 4 | 18♓54'13 | 20♌24 | 6♈ 4 | 1°R44 | 7♒16 | 12♉32 | 26°R38 | 14♊50 | 7♓34 | 26♈ 0 | 19°R58 | 19♐46 | 29♌15 | 20°R 0 | S 1 |
| M 2 | 11 12 0 | 19°53'48 | 2♍15 | 7°31 | 1♓22 | 8° 2 | 12°43 | 26♌33 | 14°51 | 7°36 | 26° 2 | 19♐46 | 19°43 | 29°22 | 19♌56 | M 2 |
| T 3 | 11 15 57 | 20°53'21 | 14°10 | 8°53 | 1° 2 | 8°48 | 12°54 | 26°29 | 14°52 | 7°39 | 26° 3 | 19°32 | 19°40 | 29°29 | 19°52 | T 3 |
| W 4 | 11 19 54 | 21°52'51 | 26° 8 | 10°10 | 0°44 | 9°34 | 13° 5 | 26°25 | 14°53 | 7°41 | 26° 4 | 19°17 | 19°36 | 29°35 | 19°49 | W 4 |
| T 5 | 11 23 50 | 22°52'20 | 8♎12 | 11°21 | 0°29 | 10°20 | 13°16 | 26°21 | 14°54 | 7°43 | 26° 5 | 19° 3 | 19°33 | 29°42 | 19°45 | T 5 |
| F 6 | 11 27 47 | 23°51'46 | 20°23 | 12°25 | 0°16 | 11° 6 | 13°28 | 26°17 | 14°55 | 7°45 | 26° 6 | 18°51 | 19°30 | 29°49 | 19°42 | F 6 |
| S 7 | 11 31 43 | 24°51'11 | 2♏41 | 13°22 | 0° 6 | 11°52 | 13°39 | 26°13 | 14°56 | 7°48 | 26° 7 | 18°42 | 19°27 | 29°56 | 19°38 | S 7 |
| S 8 | 11 35 40 | 25°50'33 | 15° 9 | 14°12 | 29♒58 | 12°38 | 13°51 | 26° 9 | 14°57 | 7°50 | 26° 9 | 18°35 | 19°24 | 0♍ 2 | 19°35 | S 8 |
| M 9 | 11 39 36 | 26°49'54 | 27°49 | 14°55 | 29°53 | 13°24 | 14° 2 | 26° 5 | 14°59 | 7°52 | 26°10 | 18°32 | 19°21 | 0° 9 | 19°32 | M 9 |
| T 10 | 11 43 33 | 27°49'13 | 10♐44 | 15°31 | 29°50 | 14°10 | 14°14 | 26° 2 | 15° 0 | 7°54 | 26°11 | 18°30 | 19°17 | 0°16 | 19°29 | T 10 |
| W11 | 11 47 29 | 28°48'31 | 23°56 | 16° 0 | 29°D50 | 14°56 | 14°26 | 25°58 | 15° 1 | 7°56 | 26°12 | 18°30 | 19°14 | 0°22 | 19°26 | W11 |
| T 12 | 11 51 26 | 29°47'46 | 7♑30 | 16°21 | 29°52 | 15°42 | 14°38 | 25°54 | 15° 3 | 7°58 | 26°14 | 18°30 | 19°11 | 0°29 | 19°23 | T 12 |
| F 13 | 11 55 23 | 0♈47'00 | 21°27 | 16°34 | 29°56 | 16°28 | 14°50 | 25°51 | 15° 4 | 8° 1 | 26°15 | 18°29 | 19° 8 | 0°36 | 19°20 | F 13 |
| S 14 | 11 59 19 | 1°46'12 | 5♒47 | 16°R40 | 0♓ 3 | 17°14 | 15° 2 | 25°47 | 15° 6 | 8° 3 | 26°16 | 18°25 | 19° 5 | 0°43 | 19°17 | S 14 |
| S 15 | 12 3 16 | 2°45'22 | 20°30 | 16°39 | 0°12 | 18° 0 | 15°14 | 25°44 | 15° 7 | 8° 5 | 26°17 | 18°19 | 19° 2 | 0°49 | 19°15 | S 15 |
| M16 | 12 7 12 | 3°44'31 | 5♓28 | 16°32 | 0°23 | 18°47 | 15°26 | 25°41 | 15° 9 | 8° 7 | 26°19 | 18°10 | 18°58 | 0°56 | 19°12 | M16 |
| T 17 | 12 11 9 | 4°43'37 | 20°35 | 16°17 | 0°36 | 19°33 | 15°38 | 25°37 | 15°10 | 8° 9 | 26°20 | 18° 0 | 18°55 | 1° 3 | 19° 9 | T 17 |
| W18 | 12 15 5 | 5°42'41 | 5♈41 | 15°56 | 0°51 | 20°19 | 15°51 | 25°34 | 15°12 | 8°11 | 26°21 | 17°49 | 18°52 | 1° 9 | 19° 7 | W18 |
| T 19 | 12 19 2 | 6°41'44 | 20°35 | 15°30 | 1° 8 | 21° 5 | 16° 3 | 25°31 | 15°14 | 8°13 | 26°23 | 17°39 | 18°49 | 1°16 | 19° 5 | T 19 |
| F 20 | 12 22 58 | 7°40'44 | 5♉ 8 | 14°58 | 1°27 | 21°51 | 16°16 | 25°28 | 15°16 | 8°15 | 26°24 | 17°31 | 18°46 | 1°23 | 19° 3 | F 20 |
| S 21 | 12 26 55 | 8°39'42 | 19°14 | 14°23 | 1°48 | 22°37 | 16°28 | 25°26 | 15°18 | 8°17 | 26°25 | 17°26 | 18°42 | 1°30 | 19° 0 | S 21 |
| S 22 | 12 30 52 | 9°38'38 | 2♊52 | 13°43 | 2°11 | 23°23 | 16°41 | 25°23 | 15°19 | 8°19 | 26°26 | 17°23 | 18°39 | 1°36 | 18°58 | S 22 |
| M23 | 12 34 48 | 10°37'31 | 16° 2 | 13° 1 | 2°35 | 24° 9 | 16°53 | 25°20 | 15°21 | 8°21 | 26°28 | 17°D22 | 18°36 | 1°43 | 18°57 | M23 |
| T 24 | 12 38 45 | 11°36'23 | 28°47 | 12°17 | 3° 2 | 24°55 | 17° 6 | 25°17 | 15°23 | 8°23 | 26°29 | 17°22 | 18°33 | 1°50 | 18°55 | T 24 |
| W25 | 12 42 41 | 12°35'12 | 11♋11 | 11°32 | 3°29 | 25°42 | 17°19 | 25°15 | 15°25 | 8°25 | 26°30 | 17°R23 | 18°30 | 1°56 | 18°53 | W25 |
| T 26 | 12 46 38 | 13°33'59 | 23°19 | 10°46 | 3°58 | 26°28 | 17°32 | 25°13 | 15°27 | 8°27 | 26°32 | 17°22 | 18°27 | 2° 3 | 18°52 | T 26 |
| F 27 | 12 50 34 | 14°32'43 | 5♌17 | 10° 1 | 4°29 | 27°14 | 17°44 | 25°10 | 15°29 | 8°29 | 26°33 | 17°20 | 18°23 | 2°10 | 18°50 | F 27 |
| S 28 | 12 54 31 | 15°31'25 | 17° 9 | 9°18 | 5° 1 | 28° 0 | 17°57 | 25° 8 | 15°32 | 8°31 | 26°35 | 17°15 | 18°20 | 2°17 | 18°49 | S 28 |
| S 29 | 12 58 27 | 16°30'05 | 29° 0 | 8°37 | 5°35 | 28°46 | 18°10 | 25° 6 | 15°34 | 8°33 | 26°36 | 17° 8 | 18°17 | 2°23 | 18°47 | S 29 |
| M30 | 13 2 24 | 17°28'43 | 10♍52 | 7°58 | 6°10 | 29°32 | 18°23 | 25° 4 | 15°36 | 8°35 | 26°37 | 16°59 | 18°14 | 2°30 | 18°46 | M30 |
| T 31 | 13 6 20 | 18♈27'18 | 22♍50 | 7♈24 | 6♓46 | 0♓18 | 18♉36 | 25♌ 2 | 15♊38 | 8♓37 | 26♈39 | 16♐49 | 18♐11 | 2♍37 | 18♌45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s24 | 10n36 | 4s21 | 3n35 | 1n17 | 3s29 | 7n56 | 19s34 | 1s 5 | 14n52 | 0s49 | 14n24 | 1n50 | 22n45 | 0n 6 | 9s38 | 0s57 | 5s11 | 16s21 | 23s 9 | 23s 8 | 7n15 | 8n35 | 6s37 |
| M 2 | 4 1 | 6 16 | 4 46 | 4 22 | 1 29 | 3 45 | 7 47 | 19 22 | 1 5 | 14 56 | 0 49 | 14 26 | 1 50 | 22 45 | 0 6 | 9 38 | 0 57 | 5 10 | 16 21 | 23 8 | 23 7 | 7 13 | 8 37 | 6 36 |
| T 3 | 3 37 | 1 40 | 4 58 | 5 6 | 1 42 | 4 1 | 7 37 | 19 11 | 1 6 | 15 0 | 0 49 | 14 27 | 1 50 | 22 45 | 0 6 | 9 37 | 0 57 | 5 10 | 16 21 | 23 6 | 23 7 | 7 10 | 8 38 | 6 36 |
| W 4 | 3 14 | 3s 0 | 4 57 | 5 48 | 1 55 | 4 17 | 7 27 | 18 59 | 1 6 | 15 3 | 0 48 | 14 28 | 1 50 | 22 45 | 0 6 | 9 36 | 0 57 | 5 9 | 16 21 | 23 5 | 23 7 | 7 7 | 8 40 | 6 35 |
| T 5 | 2 50 | 7 36 | 4 43 | 6 26 | 2 7 | 4 32 | 7 17 | 18 47 | 1 7 | 15 7 | 0 48 | 14 30 | 1 50 | 22 45 | 0 6 | 9 35 | 0 57 | 5 9 | 16 21 | 23 4 | 23 7 | 7 5 | 8 42 | 6 34 |
| F 6 | 2 27 | 11 56 | 4 16 | 7 2 | 2 18 | 4 46 | 7 6 | 18 35 | 1 7 | 15 10 | 0 48 | 14 31 | 1 50 | 22 46 | 0 6 | 9 34 | 0 57 | 5 8 | 16 20 | 23 3 | 23 6 | 7 2 | 8 43 | 6 34 |
| S 7 | 2 3 | 15 50 | 3 37 | 7 35 | 2 29 | 5 0 | 6 55 | 18 23 | 1 8 | 15 14 | 0 48 | 14 32 | 1 50 | 22 46 | 0 6 | 9 34 | 0 57 | 5 7 | 16 20 | 23 2 | 23 6 | 7 0 | 8 45 | 6 33 |
| S 8 | 1 39 | 19 5 | 2 46 | 8 4 | 2 39 | 5 13 | 6 43 | 18 10 | 1 9 | 15 18 | 0 48 | 14 34 | 1 50 | 22 46 | 0 6 | 9 33 | 0 57 | 5 7 | 16 20 | 23 2 | 23 6 | 6 57 | 8 46 | 6 33 |
| M 9 | 1 16 | 21 29 | 1 47 | 8 29 | 2 48 | 5 26 | 6 32 | 17 58 | 1 9 | 15 21 | 0 47 | 14 35 | 1 50 | 22 46 | 0 6 | 9 32 | 0 57 | 5 6 | 16 20 | 23 1 | 23 6 | 6 54 | 8 48 | 6 32 |
| T 10 | 0 52 | 22 49 | 0 41 | 8 51 | 2 57 | 5 38 | 6 20 | 17 45 | 1 10 | 15 25 | 0 47 | 14 36 | 1 50 | 22 46 | 0 6 | 9 31 | 0 57 | 5 6 | 16 20 | 23 1 | 23 5 | 6 52 | 8 50 | 6 31 |
| W11 | 0 29 | 22 54 | 0n29 | 9 9 | 3 4 | 5 49 | 6 8 | 17 32 | 1 10 | 15 29 | 0 47 | 14 37 | 1 50 | 22 46 | 0 6 | 9 30 | 0 57 | 5 5 | 16 20 | 23 1 | 23 5 | 6 49 | 8 51 | 6 31 |
| T 12 | 0 5 | 21 40 | 1 39 | 9 23 | 3 10 | 6 0 | 5 56 | 17 19 | 1 11 | 15 32 | 0 47 | 14 39 | 1 49 | 22 46 | 0 6 | 9 30 | 0 57 | 5 4 | 16 19 | 23 1 | 23 5 | 6 47 | 8 53 | 6 30 |
| F 13 | 0n19 | 19 6 | 2 45 | 9 32 | 3 15 | 6 10 | 5 44 | 17 5 | 1 11 | 15 36 | 0 47 | 14 40 | 1 49 | 22 47 | 0 6 | 9 29 | 0 57 | 5 4 | 16 19 | 23 1 | 23 5 | 6 44 | 8 54 | 6 30 |
| S 14 | 0 42 | 15 18 | 3 42 | 9 38 | 3 19 | 6 19 | 5 32 | 16 52 | 1 12 | 15 40 | 0 47 | 14 41 | 1 49 | 22 47 | 0 6 | 9 28 | 0 57 | 5 3 | 16 19 | 23 1 | 23 4 | 6 41 | 8 56 | 6 29 |
| S 15 | 1 6 | 10 29 | 4 27 | 9 40 | 3 21 | 6 27 | 5 20 | 16 38 | 1 13 | 15 43 | 0 46 | 14 42 | 1 49 | 22 47 | 0 6 | 9 27 | 0 57 | 5 3 | 16 19 | 23 0 | 23 4 | 6 39 | 8 57 | 6 28 |
| M16 | 1 30 | 4 59 | 4 54 | 9 37 | 3 22 | 6 34 | 5 8 | 16 24 | 1 13 | 15 47 | 0 46 | 14 43 | 1 49 | 22 47 | 0 6 | 9 26 | 0 57 | 5 2 | 16 19 | 23 0 | 23 4 | 6 36 | 8 58 | 6 28 |
| T 17 | 1 53 | 0n52 | 5 1 | 9 31 | 3 21 | 6 41 | 4 56 | 16 10 | 1 14 | 15 51 | 0 46 | 14 44 | 1 49 | 22 47 | 0 6 | 9 26 | 0 57 | 5 1 | 16 19 | 22 59 | 23 3 | 6 34 | 9 0 | 6 27 |
| W18 | 2 17 | 6 39 | 4 47 | 9 20 | 3 18 | 6 47 | 4 44 | 15 56 | 1 14 | 15 54 | 0 46 | 14 45 | 1 49 | 22 48 | 0 6 | 9 25 | 0 57 | 5 1 | 16 18 | 22 58 | 23 3 | 6 31 | 9 1 | 6 26 |
| T 19 | 2 40 | 11 58 | 4 14 | 9 6 | 3 14 | 6 52 | 4 32 | 15 42 | 1 15 | 15 58 | 0 46 | 14 46 | 1 49 | 22 48 | 0 6 | 9 24 | 0 57 | 5 0 | 16 18 | 22 57 | 23 3 | 6 28 | 9 3 | 6 25 |
| F 20 | 3 3 | 16 29 | 3 24 | 8 49 | 3 9 | 6 56 | 4 21 | 15 27 | 1 15 | 16 2 | 0 46 | 14 47 | 1 49 | 22 48 | 0 6 | 9 23 | 0 57 | 5 0 | 16 18 | 22 56 | 23 3 | 6 26 | 9 4 | 6 25 |
| S 21 | 3 27 | 19 54 | 2 24 | 8 28 | 3 1 | 6 59 | 4 9 | 15 13 | 1 16 | 16 6 | 0 45 | 14 48 | 1 49 | 22 48 | 0 6 | 9 23 | 0 57 | 4 59 | 16 18 | 22 56 | 23 2 | 6 23 | 9 5 | 6 24 |
| S 22 | 3 50 | 22 3 | 1 16 | 8 5 | 2 52 | 7 2 | 3 58 | 14 58 | 1 16 | 16 9 | 0 45 | 14 49 | 1 49 | 22 48 | 0 6 | 9 22 | 0 57 | 4 59 | 16 18 | 22 55 | 23 2 | 6 20 | 9 7 | 6 23 |
| M23 | 4 13 | 22 54 | 0 7 | 7 38 | 2 42 | 7 4 | 3 46 | 14 43 | 1 17 | 16 13 | 0 45 | 14 50 | 1 49 | 22 49 | 0 6 | 9 21 | 0 57 | 4 58 | 16 18 | 22 55 | 23 2 | 6 18 | 9 8 | 6 23 |
| T 24 | 4 36 | 22 31 | 1s 0 | 7 10 | 2 30 | 7 5 | 3 35 | 14 28 | 1 17 | 16 17 | 0 45 | 14 50 | 1 49 | 22 49 | 0 6 | 9 20 | 0 57 | 4 58 | 16 18 | 22 55 | 23 2 | 6 15 | 9 9 | 6 22 |
| W25 | 4 59 | 21 0 | 2 3 | 6 41 | 2 17 | 7 6 | 3 24 | 14 13 | 1 18 | 16 21 | 0 45 | 14 51 | 1 49 | 22 49 | 0 6 | 9 20 | 0 58 | 4 57 | 16 18 | 22 55 | 23 1 | 6 13 | 9 10 | 6 21 |
| T 26 | 5 22 | 18 33 | 2 59 | 6 10 | 2 3 | 7 5 | 3 13 | 13 58 | 1 18 | 16 24 | 0 45 | 14 52 | 1 49 | 22 49 | 0 6 | 9 19 | 0 58 | 4 56 | 16 18 | 22 55 | 23 1 | 6 10 | 9 12 | 6 20 |
| F 27 | 5 45 | 15 21 | 3 46 | 5 39 | 1 48 | 7 4 | 3 2 | 13 42 | 1 19 | 16 28 | 0 44 | 14 53 | 1 49 | 22 49 | 0 6 | 9 18 | 0 58 | 4 56 | 16 17 | 22 55 | 23 1 | 6 7 | 9 13 | 6 20 |
| S 28 | 6 8 | 11 34 | 4 23 | 5 7 | 1 33 | 7 2 | 2 52 | 13 27 | 1 19 | 16 32 | 0 44 | 14 53 | 1 48 | 22 50 | 0 6 | 9 18 | 0 58 | 4 55 | 16 17 | 22 55 | 23 0 | 6 5 | 9 14 | 6 19 |
| S 29 | 6 31 | 7 21 | 4 49 | 4 36 | 1 17 | 7 0 | 2 41 | 13 11 | 1 20 | 16 36 | 0 44 | 14 54 | 1 48 | 22 50 | 0 6 | 9 17 | 0 58 | 4 55 | 16 17 | 22 54 | 23 0 | 6 2 | 9 15 | 6 18 |
| M30 | 6 53 | 2 51 | 5 2 | 4 6 | 1 0 | 6 56 | 2 31 | 12 55 | 1 20 | 16 39 | 0 44 | 14 55 | 1 48 | 22 50 | 0 6 | 9 16 | 0 58 | 4 54 | 16 17 | 22 53 | 23 0 | 6 0 | 9 16 | 6 17 |
| T 31 | 7n15 | 1s46 | 5s 2 | 3n37 | 0n44 | 6s52 | 2n21 | 12s40 | 1s20 | 16n43 | 0s44 | 14n55 | 1n48 | 22n50 | 0n 6 | 9s16 | 0s58 | 4s54 | 16s17 | 22s52 | 23s 0 | 5n57 | 9n17 | 6s16 |

Julian Day Number = 2217857.5, Delta T = 08m54s
Ecliptic obliquity = 23°31'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°48'56, Lahiri = 14°55'56 Julian Calendar 1 March 1360 == Greg. Calendar 9 March 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## APRIL 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 10 17 | 19♈25'52 | 4♎56 | 6°R53 | 7♓23 | 1♓ 4 | 18♉50 | 25°R 0 | 15♊41 | 8♓38 | 26♈40 | 16°R38 | 18♐ 7 | 2♍43 | 18°R44 | W 1 |
| T 2 | 13 14 14 | 20°24'23 | 17°10 | 6♈26 | 8° 2 | 1°50 | 19° 3 | 24♌58 | 15°43 | 8°40 | 26°41 | 16♐27 | 18° 4 | 2°50 | 18♌43 | T 2 |
| F 3 | 13 18 10 | 21°22'53 | 29°33 | 6° 4 | 8°41 | 2°36 | 19°16 | 24°57 | 15°45 | 8°42 | 26°43 | 16°18 | 18° 1 | 2°57 | 18°43 | F 3 |
| S 4 | 13 22 7 | 22°21'21 | 12♏ 6 | 5°46 | 9°22 | 3°22 | 19°29 | 24°55 | 15°48 | 8°44 | 26°44 | 16°11 | 17°58 | 3° 4 | 18°42 | S 4 |
| S 5 | 13 26 3 | 23°19'47 | 24°50 | 5°34 | 10° 4 | 4° 8 | 19°42 | 24°54 | 15°50 | 8°46 | 26°45 | 16° 7 | 17°55 | 3°10 | 18°42 | S 5 |
| M 6 | 13 30 0 | 24°18'11 | 7♐46 | 5°27 | 10°47 | 4°54 | 19°56 | 24°53 | 15°53 | 8°47 | 26°47 | 16° 5 | 17°52 | 3°17 | 18°41 | M 6 |
| T 7 | 13 33 56 | 25°16'34 | 20°54 | 5°D24 | 11°31 | 5°40 | 20° 9 | 24°51 | 15°55 | 8°49 | 26°48 | 16°D 4 | 17°48 | 3°24 | 18°41 | T 7 |
| W 8 | 13 37 53 | 26°14'55 | 4♑15 | 5°27 | 12°15 | 6°26 | 20°23 | 24°50 | 15°58 | 8°51 | 26°50 | 16° 5 | 17°45 | 3°30 | 18°41 | W 8 |
| T 9 | 13 41 49 | 27°13'14 | 17°53 | 5°34 | 13° 1 | 7°12 | 20°36 | 24°49 | 16° 0 | 8°52 | 26°51 | 16° 6 | 17°42 | 3°37 | 18°D41 | T 9 |
| F 10 | 13 45 46 | 28°11'32 | 1♒46 | 5°47 | 13°47 | 7°58 | 20°50 | 24°48 | 16° 3 | 8°54 | 26°52 | 16°R 7 | 17°39 | 3°44 | 18°41 | F 10 |
| S 11 | 13 49 43 | 29° 9'49 | 15°56 | 6° 4 | 14°35 | 8°44 | 21° 3 | 24°48 | 16° 6 | 8°56 | 26°54 | 16° 5 | 17°36 | 3°51 | 18°41 | S 11 |
| S 12 | 13 53 39 | 0♉ 8'03 | 0♓21 | 6°25 | 15°23 | 9°30 | 21°17 | 24°47 | 16° 8 | 8°57 | 26°55 | 16° 2 | 17°33 | 3°57 | 18°41 | S 12 |
| M13 | 13 57 36 | 1° 6'17 | 14°58 | 6°51 | 16°12 | 10°15 | 21°30 | 24°46 | 16°11 | 8°59 | 26°56 | 15°57 | 17°29 | 4° 4 | 18°41 | M13 |
| T 14 | 14 1 32 | 2° 4'28 | 29°41 | 7°22 | 17° 1 | 11° 1 | 21°44 | 24°46 | 16°14 | 9° 0 | 26°58 | 15°51 | 17°26 | 4°11 | 18°42 | T 14 |
| W15 | 14 5 29 | 3° 2'39 | 14♈23 | 7°56 | 17°52 | 11°47 | 21°58 | 24°45 | 16°17 | 9° 2 | 26°59 | 15°44 | 17°23 | 4°17 | 18°42 | W15 |
| T 16 | 14 9 25 | 4° 0'47 | 28°57 | 8°34 | 18°43 | 12°33 | 22°11 | 24°45 | 16°19 | 9° 3 | 27° 1 | 15°38 | 17°20 | 4°24 | 18°43 | T 16 |
| F 17 | 14 13 22 | 4°58'54 | 13♉16 | 9°16 | 19°34 | 13°19 | 22°25 | 24°45 | 16°22 | 9° 5 | 27° 2 | 15°33 | 17°17 | 4°31 | 18°44 | F 17 |
| S 18 | 14 17 18 | 5°56'59 | 27°14 | 10° 2 | 20°26 | 14° 5 | 22°39 | 24°D45 | 16°25 | 9° 6 | 27° 3 | 15°30 | 17°13 | 4°38 | 18°45 | S 18 |
| S 19 | 14 21 15 | 6°55'03 | 10♊49 | 10°51 | 21°19 | 14°50 | 22°53 | 24°45 | 16°28 | 9° 8 | 27° 5 | 15°D29 | 17°10 | 4°44 | 18°46 | S 19 |
| M20 | 14 25 12 | 7°53'05 | 23°59 | 11°43 | 22°12 | 15°36 | 23° 6 | 24°45 | 16°31 | 9° 9 | 27° 6 | 15°29 | 17° 7 | 4°51 | 18°47 | M20 |
| T 21 | 14 29 8 | 8°51'05 | 6♋47 | 12°39 | 23° 6 | 16°22 | 23°20 | 24°45 | 16°34 | 9°11 | 27° 7 | 15°30 | 17° 4 | 4°58 | 18°48 | T 21 |
| W22 | 14 33 5 | 9°49'03 | 19°14 | 13°38 | 24° 1 | 17° 7 | 23°34 | 24°46 | 16°37 | 9°12 | 27° 9 | 15°32 | 17° 1 | 5° 5 | 18°50 | W22 |
| T 23 | 14 37 1 | 10°46'59 | 1♌26 | 14°39 | 24°56 | 17°53 | 23°48 | 24°46 | 16°40 | 9°13 | 27°10 | 15°33 | 16°58 | 5°11 | 18°51 | T 23 |
| F 24 | 14 40 58 | 11°44'53 | 13°26 | 15°44 | 25°51 | 18°39 | 24° 2 | 24°47 | 16°43 | 9°15 | 27°11 | 15°R33 | 16°54 | 5°18 | 18°53 | F 24 |
| S 25 | 14 44 54 | 12°42'46 | 25°20 | 16°51 | 26°47 | 19°24 | 24°16 | 24°47 | 16°46 | 9°16 | 27°13 | 15°32 | 16°51 | 5°25 | 18°55 | S 25 |
| S 26 | 14 48 51 | 13°40'36 | 7♍12 | 18° 2 | 27°44 | 20°10 | 24°29 | 24°48 | 16°49 | 9°17 | 27°14 | 15°30 | 16°48 | 5°31 | 18°56 | S 26 |
| M27 | 14 52 47 | 14°38'25 | 19° 8 | 19°14 | 28°40 | 20°55 | 24°43 | 24°49 | 16°52 | 9°18 | 27°15 | 15°27 | 16°45 | 5°38 | 18°58 | M27 |
| T 28 | 14 56 44 | 15°36'13 | 1♎ 9 | 20°30 | 29°38 | 21°41 | 24°57 | 24°50 | 16°56 | 9°19 | 27°17 | 15°22 | 16°42 | 5°45 | 19° 0 | T 28 |
| W29 | 15 0 41 | 16°33'58 | 13°21 | 21°48 | 0♈35 | 22°26 | 25°11 | 24°51 | 16°59 | 9°21 | 27°18 | 15°17 | 16°39 | 5°52 | 19° 2 | W29 |
| T 30 | 15 4 37 | 17♉31'42 | 25♎44 | 23♈ 8 | 1♈33 | 23♓11 | 25♉25 | 24♌52 | 17♊ 2 | 9♓22 | 27♈19 | 15♐13 | 16♐35 | 5♍58 | 19♌ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n38 | 6s23 | 4s49 | 3n 9 | 0n27 | 6s48 | 2n11 | 12s24 | 1s21 | 16n47 | 0s44 | 14n56 | 1n48 | 22n51 | 0n 6 | 9s15 | 0s58 | 4s53 | 16s17 | 22s51 | 22s59 | 5n54 | 9n18 | 6s16 |
| T 2 | 8 0 | 10 47 | 4 22 | 2 43 | 0 10 | 6 42 | 2 2 | 12 7 | 1 21 | 16 51 | 0 44 | 14 56 | 1 48 | 22 51 | 0 6 | 9 14 | 0 58 | 4 53 | 16 17 | 22 50 | 22 59 | 5 52 | 9 19 | 6 15 |
| F 3 | 8 22 | 14 49 | 3 42 | 2 20 | 0s 6 | 6 36 | 1 52 | 11 51 | 1 22 | 16 54 | 0 43 | 14 57 | 1 48 | 22 51 | 0 6 | 9 14 | 0 58 | 4 52 | 16 17 | 22 49 | 22 59 | 5 49 | 9 20 | 6 14 |
| S 4 | 8 44 | 18 14 | 2 52 | 1 58 | 0 22 | 6 30 | 1 43 | 11 35 | 1 22 | 16 58 | 0 43 | 14 57 | 1 48 | 22 51 | 0 6 | 9 13 | 0 58 | 4 52 | 16 17 | 22 48 | 22 59 | 5 47 | 9 21 | 6 13 |
| S 5 | 9 6 | 20 51 | 1 51 | 1 39 | 0 37 | 6 22 | 1 34 | 11 19 | 1 23 | 17 2 | 0 43 | 14 57 | 1 48 | 22 52 | 0 6 | 9 12 | 0 58 | 4 51 | 16 17 | 22 48 | 22 58 | 5 44 | 9 22 | 6 13 |
| M 6 | 9 27 | 22 25 | 0 45 | 1 23 | 0 52 | 6 14 | 1 25 | 11 2 | 1 23 | 17 6 | 0 43 | 14 58 | 1 48 | 22 52 | 0 6 | 9 12 | 0 58 | 4 51 | 16 17 | 22 47 | 22 58 | 5 41 | 9 23 | 6 12 |
| T 7 | 9 49 | 22 47 | 0n26 | 1 9 | 1 6 | 6 6 | 1 16 | 10 45 | 1 23 | 17 9 | 0 43 | 14 58 | 1 48 | 22 52 | 0 6 | 9 11 | 0 58 | 4 50 | 16 17 | 22 47 | 22 58 | 5 39 | 9 24 | 6 11 |
| W 8 | 10 10 | 21 51 | 1 36 | 0 58 | 1 19 | 5 57 | 1 8 | 10 29 | 1 24 | 17 13 | 0 43 | 14 58 | 1 47 | 22 53 | 0 6 | 9 11 | 0 58 | 4 50 | 16 17 | 22 48 | 22 57 | 5 36 | 9 24 | 6 10 |
| T 9 | 10 31 | 19 38 | 2 43 | 0 49 | 1 32 | 5 47 | 0 59 | 10 12 | 1 24 | 17 17 | 0 43 | 14 59 | 1 47 | 22 53 | 0 6 | 9 10 | 0 58 | 4 49 | 16 17 | 22 48 | 22 57 | 5 34 | 9 25 | 6 9 |
| F 10 | 10 52 | 16 15 | 3 41 | 0 43 | 1 43 | 5 37 | 0 51 | 9 55 | 1 25 | 17 20 | 0 43 | 14 59 | 1 47 | 22 53 | 0 6 | 9 9 | 0 58 | 4 49 | 16 17 | 22 48 | 22 57 | 5 31 | 9 26 | 6 9 |
| S 11 | 11 13 | 11 52 | 4 27 | 0 40 | 1 54 | 5 26 | 0 43 | 9 38 | 1 25 | 17 24 | 0 42 | 14 59 | 1 47 | 22 53 | 0 6 | 9 9 | 0 58 | 4 48 | 16 17 | 22 48 | 22 56 | 5 28 | 9 27 | 6 8 |
| S 12 | 11 33 | 6 45 | 4 57 | 0 39 | 2 5 | 5 14 | 0 35 | 9 21 | 1 25 | 17 28 | 0 42 | 14 59 | 1 47 | 22 54 | 0 6 | 9 8 | 0 58 | 4 48 | 16 17 | 22 47 | 22 56 | 5 26 | 9 27 | 6 7 |
| M13 | 11 54 | 1 12 | 5 8 | 0 41 | 2 14 | 5 2 | 0 28 | 9 4 | 1 26 | 17 31 | 0 42 | 14 59 | 1 47 | 22 54 | 0 6 | 9 8 | 0 58 | 4 47 | 16 17 | 22 47 | 22 56 | 5 23 | 9 28 | 6 6 |
| T 14 | 12 14 | 4n27 | 4 59 | 0 45 | 2 23 | 4 50 | 0 20 | 8 47 | 1 26 | 17 35 | 0 42 | 14 59 | 1 47 | 22 54 | 0 6 | 9 7 | 0 58 | 4 47 | 16 17 | 22 46 | 22 56 | 5 21 | 9 29 | 6 5 |
| W15 | 12 34 | 9 51 | 4 31 | 0 51 | 2 31 | 4 37 | 0 13 | 8 30 | 1 26 | 17 39 | 0 42 | 14 59 | 1 47 | 22 55 | 0 6 | 9 7 | 0 58 | 4 46 | 16 17 | 22 45 | 22 55 | 5 18 | 9 29 | 6 4 |
| T 16 | 12 54 | 14 38 | 3 45 | 1 0 | 2 38 | 4 23 | 0 6 | 8 12 | 1 27 | 17 42 | 0 42 | 14 59 | 1 47 | 22 55 | 0 6 | 9 6 | 0 58 | 4 46 | 16 17 | 22 45 | 22 55 | 5 15 | 9 30 | 6 4 |
| F 17 | 13 14 | 18 30 | 2 46 | 1 10 | 2 44 | 4 9 | 0s 1 | 7 55 | 1 27 | 17 46 | 0 42 | 14 59 | 1 46 | 22 55 | 0 6 | 9 5 | 0 58 | 4 45 | 16 17 | 22 44 | 22 55 | 5 13 | 9 30 | 6 3 |
| S 18 | 13 33 | 21 11 | 1 37 | 1 23 | 2 49 | 3 55 | 0 8 | 7 38 | 1 27 | 17 50 | 0 42 | 14 59 | 1 46 | 22 55 | 0 6 | 9 5 | 0 58 | 4 45 | 16 17 | 22 44 | 22 54 | 5 10 | 9 31 | 6 2 |
| S 19 | 13 52 | 22 34 | 0 25 | 1 38 | 2 54 | 3 40 | 0 14 | 7 20 | 1 28 | 17 53 | 0 41 | 14 59 | 1 46 | 22 56 | 0 6 | 9 4 | 0 58 | 4 45 | 16 17 | 22 44 | 22 54 | 5 8 | 9 31 | 6 1 |
| M20 | 14 11 | 22 37 | 0s46 | 1 55 | 2 58 | 3 25 | 0 20 | 7 3 | 1 28 | 17 57 | 0 41 | 14 59 | 1 46 | 22 56 | 0 6 | 9 4 | 0 58 | 4 44 | 16 17 | 22 44 | 22 54 | 5 5 | 9 32 | 6 0 |
| T 21 | 14 30 | 21 28 | 1 53 | 2 14 | 3 1 | 3 9 | 0 27 | 6 45 | 1 28 | 18 0 | 0 41 | 14 59 | 1 46 | 22 56 | 0 6 | 9 3 | 0 58 | 4 44 | 16 17 | 22 44 | 22 53 | 5 2 | 9 32 | 6 0 |
| W22 | 14 48 | 19 16 | 2 53 | 2 34 | 3 4 | 2 53 | 0 33 | 6 28 | 1 28 | 18 4 | 0 41 | 14 59 | 1 46 | 22 57 | 0 6 | 9 3 | 0 58 | 4 43 | 16 17 | 22 44 | 22 53 | 5 0 | 9 33 | 5 59 |
| T 23 | 15 7 | 16 16 | 3 44 | 2 57 | 3 6 | 2 37 | 0 38 | 6 10 | 1 29 | 18 7 | 0 41 | 14 58 | 1 46 | 22 57 | 0 6 | 9 3 | 0 58 | 4 43 | 16 17 | 22 44 | 22 53 | 4 57 | 9 33 | 5 58 |
| F 24 | 15 25 | 12 37 | 4 25 | 3 21 | 3 7 | 2 20 | 0 44 | 5 52 | 1 29 | 18 11 | 0 41 | 14 58 | 1 46 | 22 57 | 0 6 | 9 2 | 0 59 | 4 42 | 16 17 | 22 44 | 22 53 | 4 55 | 9 33 | 5 57 |
| S 25 | 15 42 | 8 31 | 4 53 | 3 46 | 3 7 | 2 2 | 0 50 | 5 35 | 1 29 | 18 14 | 0 41 | 14 58 | 1 46 | 22 58 | 0 6 | 9 2 | 0 59 | 4 42 | 16 17 | 22 44 | 22 52 | 4 52 | 9 33 | 5 56 |
| S 26 | 16 0 | 4 7 | 5 9 | 4 13 | 3 7 | 1 45 | 0 55 | 5 17 | 1 29 | 18 18 | 0 41 | 14 57 | 1 45 | 22 58 | 0 6 | 9 1 | 0 59 | 4 42 | 16 17 | 22 44 | 22 52 | 4 49 | 9 34 | 5 56 |
| M27 | 16 17 | 0s27 | 5 11 | 4 41 | 3 6 | 1 27 | 1 0 | 4 59 | 1 30 | 18 21 | 0 41 | 14 57 | 1 45 | 22 58 | 0 6 | 9 1 | 0 59 | 4 41 | 16 17 | 22 43 | 22 52 | 4 47 | 9 34 | 5 55 |
| T 28 | 16 34 | 5 3 | 5 0 | 5 11 | 3 4 | 1 9 | 1 5 | 4 41 | 1 30 | 18 25 | 0 41 | 14 56 | 1 45 | 22 59 | 0 6 | 9 0 | 0 59 | 4 41 | 16 17 | 22 43 | 22 51 | 4 44 | 9 34 | 5 54 |
| W29 | 16 51 | 9 31 | 4 36 | 5 42 | 3 2 | 0 50 | 1 10 | 4 24 | 1 30 | 18 28 | 0 40 | 14 56 | 1 45 | 22 59 | 0 6 | 9 0 | 0 59 | 4 41 | 16 18 | 22 42 | 22 51 | 4 42 | 9 34 | 5 53 |
| T 30 | 17n 7 | 13s40 | 3s58 | 6n15 | 2s59 | 0s31 | 1s14 | 4s 6 | 1s30 | 18n32 | 0s40 | 14n55 | 1n45 | 22n59 | 0n 6 | 9s 0 | 0s59 | 4s40 | 16s18 | 22s42 | 22s51 | 4n39 | 9n34 | 5s52 |

Julian Day Number = 2217888.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'00, Lahiri = 14°56'01 Julian Calendar 1 Apr. 1360 == Greg. Calendar 9 Apr. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## MAY 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 8 34 | 18♉29'25 | 8♏20 | 24♈31 | 2♈32 | 23♓57 | 25♉39 | 24♌54 | 17♊ 5 | 9♓23 | 27♈21 | 15°R 9 | 16♐32 | 6♍ 5 | 19♌ 7 | F 1 |
| S 2 | 15 12 30 | 19°27'06 | 21°11 | 25°56 | 3°31 | 24°42 | 25°53 | 24°55 | 17° 8 | 9°24 | 27°22 | 15♐ 6 | 16°29 | 6°12 | 19° 9 | S 2 |
| S 3 | 15 16 27 | 20°24'46 | 4♐15 | 27°24 | 4°30 | 25°27 | 26° 7 | 24°56 | 17°12 | 9°25 | 27°23 | 15° 4 | 16°26 | 6°18 | 19°12 | S 3 |
| M 4 | 15 20 23 | 21°22'25 | 17°33 | 28°54 | 5°30 | 26°13 | 26°21 | 24°58 | 17°15 | 9°26 | 27°25 | 15°D 4 | 16°23 | 6°25 | 19°15 | M 4 |
| T 5 | 15 24 20 | 22°20'02 | 1♑ 3 | 0♉26 | 6°30 | 26°58 | 26°35 | 25° 0 | 17°18 | 9°27 | 27°26 | 15° 4 | 16°19 | 6°32 | 19°17 | T 5 |
| W 6 | 15 28 16 | 23°17'39 | 14°45 | 2° 1 | 7°30 | 27°43 | 26°49 | 25° 2 | 17°22 | 9°28 | 27°27 | 15° 6 | 16°16 | 6°39 | 19°20 | W 6 |
| T 7 | 15 32 13 | 24°15'14 | 28°38 | 3°38 | 8°30 | 28°28 | 27° 3 | 25° 3 | 17°25 | 9°29 | 27°28 | 15° 7 | 16°13 | 6°45 | 19°23 | T 7 |
| F 8 | 15 36 10 | 25°12'49 | 12♒39 | 5°17 | 9°31 | 29°13 | 27°17 | 25° 5 | 17°28 | 9°30 | 27°30 | 15° 8 | 16°10 | 6°52 | 19°26 | F 8 |
| S 9 | 15 40 6 | 26°10'22 | 26°49 | 6°59 | 10°32 | 29°58 | 27°31 | 25° 8 | 17°32 | 9°30 | 27°31 | 15°R 8 | 16° 7 | 6°59 | 19°29 | S 9 |
| S 10 | 15 44 3 | 27° 7'55 | 11♓ 4 | 8°43 | 11°34 | 0♈43 | 27°45 | 25°10 | 17°35 | 9°31 | 27°32 | 15° 8 | 16° 4 | 7° 6 | 19°33 | S 10 |
| M11 | 15 47 59 | 28° 5'27 | 25°23 | 10°29 | 12°36 | 1°28 | 27°59 | 25°12 | 17°39 | 9°32 | 27°33 | 15° 7 | 16° 0 | 7°12 | 19°36 | M11 |
| T 12 | 15 51 56 | 29° 2'58 | 9♈42 | 12°18 | 13°38 | 2°13 | 28°13 | 25°14 | 17°42 | 9°33 | 27°34 | 15° 5 | 15°57 | 7°19 | 19°39 | T 12 |
| W13 | 15 55 52 | 0♊ 0'28 | 23°56 | 14° 8 | 14°40 | 2°58 | 28°27 | 25°17 | 17°45 | 9°33 | 27°36 | 15° 3 | 15°54 | 7°26 | 19°43 | W13 |
| T 14 | 15 59 49 | 0°57'57 | 8♉ 3 | 16° 1 | 15°43 | 3°43 | 28°41 | 25°19 | 17°49 | 9°34 | 27°37 | 15° 1 | 15°51 | 7°32 | 19°47 | T 14 |
| F 15 | 16 3 45 | 1°55'26 | 21°57 | 17°56 | 16°45 | 4°28 | 28°55 | 25°22 | 17°52 | 9°35 | 27°38 | 15° 0 | 15°48 | 7°39 | 19°50 | F 15 |
| S 16 | 16 7 42 | 2°52'54 | 5♊35 | 19°54 | 17°48 | 5°12 | 29° 9 | 25°25 | 17°56 | 9°35 | 27°39 | 14°59 | 15°44 | 7°46 | 19°54 | S 16 |
| S 17 | 16 11 39 | 3°50'20 | 18°56 | 21°53 | 18°52 | 5°57 | 29°23 | 25°28 | 17°59 | 9°36 | 27°40 | 14°D59 | 15°41 | 7°53 | 19°58 | S 17 |
| M18 | 16 15 35 | 4°47'46 | 1♋58 | 23°55 | 19°55 | 6°42 | 29°37 | 25°31 | 18° 3 | 9°37 | 27°41 | 14°59 | 15°38 | 7°59 | 20° 2 | M18 |
| T 19 | 16 19 32 | 5°45'10 | 14°41 | 25°58 | 20°59 | 7°26 | 29°51 | 25°34 | 18° 6 | 9°37 | 27°43 | 15° 0 | 15°35 | 8° 6 | 20° 6 | T 19 |
| W20 | 16 23 28 | 6°42'34 | 27° 7 | 28° 3 | 22° 3 | 8°11 | 0♊ 5 | 25°37 | 18°10 | 9°38 | 27°44 | 15° 1 | 15°32 | 8°13 | 20°11 | W20 |
| T 21 | 16 27 25 | 7°39'56 | 9♌20 | 0♊10 | 23° 7 | 8°55 | 0°19 | 25°40 | 18°13 | 9°38 | 27°45 | 15° 2 | 15°29 | 8°19 | 20°15 | T 21 |
| F 22 | 16 31 21 | 8°37'18 | 21°21 | 2°18 | 24°11 | 9°40 | 0°33 | 25°44 | 18°17 | 9°39 | 27°46 | 15° 2 | 15°25 | 8°26 | 20°19 | F 22 |
| S 23 | 16 35 18 | 9°34'38 | 3♍17 | 4°28 | 25°16 | 10°24 | 0°47 | 25°47 | 18°20 | 9°39 | 27°47 | 15° 3 | 15°22 | 8°33 | 20°24 | S 23 |
| S 24 | 16 39 14 | 10°31'57 | 15°10 | 6°38 | 26°20 | 11° 8 | 1° 1 | 25°51 | 18°24 | 9°39 | 27°48 | 15°R 3 | 15°19 | 8°40 | 20°28 | S 24 |
| M25 | 16 43 11 | 11°29'16 | 27° 6 | 8°49 | 27°25 | 11°52 | 1°15 | 25°54 | 18°28 | 9°40 | 27°49 | 15° 3 | 15°16 | 8°46 | 20°33 | M25 |
| T 26 | 16 47 8 | 12°26'33 | 9♎ 9 | 11° 1 | 28°30 | 12°36 | 1°28 | 25°58 | 18°31 | 9°40 | 27°50 | 15° 2 | 15°13 | 8°53 | 20°38 | T 26 |
| W27 | 16 51 4 | 13°23'49 | 21°24 | 13°13 | 29°36 | 13°21 | 1°42 | 26° 2 | 18°35 | 9°40 | 27°51 | 15° 2 | 15°10 | 9° 0 | 20°43 | W27 |
| T 28 | 16 55 1 | 14°21'05 | 3♏53 | 15°25 | 0♉41 | 14° 5 | 1°56 | 26° 5 | 18°38 | 9°40 | 27°52 | 15° 2 | 15° 6 | 9° 7 | 20°48 | T 28 |
| F 29 | 16 58 57 | 15°18'20 | 16°39 | 17°36 | 1°47 | 14°48 | 2°10 | 26° 9 | 18°42 | 9°41 | 27°53 | 15°D 2 | 15° 3 | 9°13 | 20°53 | F 29 |
| S 30 | 17 2 54 | 16°15'34 | 29°44 | 19°47 | 2°52 | 15°32 | 2°24 | 26°13 | 18°45 | 9°41 | 27°54 | 15° 2 | 15° 0 | 9°20 | 20°58 | S 30 |
| S 31 | 17 6 50 | 17♊12'48 | 13♐ 8 | 21♊57 | 3♉58 | 16♈16 | 2♊37 | 26♌17 | 18♊49 | 9♓41 | 27♈55 | 15°R 2 | 14♐57 | 9♍27 | 21♌ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n23 | 17s18 | 3s 8 | 6n48 | 2s56 | 0s12 | 1s19 | 3s48 | 1s31 | 18n35 | 0s40 | 14n55 | 1n45 | 22n59 | 0n 6 | 8s59 | 0s59 | 4s40 | 16s18 | 22s41 | 22s50 | 4n36 | 9n34 | 5s52 |
| S 2 | 17 39 | 20 10 | 2 7 | 7 23 | 2 52 | 0n 8 | 1 23 | 3 30 | 1 31 | 18 39 | 0 40 | 14 54 | 1 45 | 23 0 | 0 6 | 8 59 | 0 59 | 4 40 | 16 18 | 22 41 | 22 50 | 4 34 | 9 34 | 5 51 |
| S 3 | 17 55 | 22 2 | 0 59 | 7 59 | 2 47 | 0 27 | 1 27 | 3 12 | 1 31 | 18 42 | 0 40 | 14 54 | 1 45 | 23 0 | 0 6 | 8 59 | 0 59 | 4 39 | 16 18 | 22 41 | 22 50 | 4 31 | 9 34 | 5 50 |
| M 4 | 18 10 | 22 43 | 0n14 | 8 36 | 2 42 | 0 47 | 1 31 | 2 54 | 1 31 | 18 45 | 0 40 | 14 53 | 1 44 | 23 0 | 0 6 | 8 58 | 0 59 | 4 39 | 16 18 | 22 41 | 22 49 | 4 29 | 9 34 | 5 49 |
| T 5 | 18 25 | 22 4 | 1 27 | 9 13 | 2 36 | 1 8 | 1 35 | 2 36 | 1 31 | 18 49 | 0 40 | 14 52 | 1 44 | 23 1 | 0 6 | 8 58 | 0 59 | 4 39 | 16 18 | 22 41 | 22 49 | 4 26 | 9 34 | 5 48 |
| W 6 | 18 40 | 20 7 | 2 36 | 9 52 | 2 30 | 1 28 | 1 39 | 2 18 | 1 31 | 18 52 | 0 40 | 14 52 | 1 44 | 23 1 | 0 6 | 8 58 | 0 59 | 4 38 | 16 18 | 22 41 | 22 49 | 4 23 | 9 34 | 5 48 |
| T 7 | 18 54 | 16 58 | 3 37 | 10 31 | 2 24 | 1 49 | 1 43 | 2 1 | 1 32 | 18 55 | 0 40 | 14 51 | 1 44 | 23 1 | 0 6 | 8 57 | 0 59 | 4 38 | 16 18 | 22 41 | 22 48 | 4 21 | 9 34 | 5 47 |
| F 8 | 19 8 | 12 49 | 4 26 | 11 11 | 2 16 | 2 10 | 1 46 | 1 43 | 1 32 | 18 59 | 0 40 | 14 50 | 1 44 | 23 2 | 0 6 | 8 57 | 0 59 | 4 38 | 16 19 | 22 41 | 22 48 | 4 18 | 9 34 | 5 46 |
| S 9 | 19 22 | 7 55 | 4 59 | 11 52 | 2 9 | 2 31 | 1 49 | 1 25 | 1 32 | 19 2 | 0 39 | 14 49 | 1 44 | 23 2 | 0 6 | 8 57 | 0 59 | 4 37 | 16 19 | 22 41 | 22 48 | 4 16 | 9 33 | 5 45 |
| S 10 | 19 35 | 2 35 | 5 14 | 12 33 | 2 0 | 2 52 | 1 52 | 1 7 | 1 32 | 19 5 | 0 39 | 14 48 | 1 44 | 23 2 | 0 6 | 8 56 | 0 59 | 4 37 | 16 19 | 22 41 | 22 47 | 4 13 | 9 33 | 5 44 |
| M11 | 19 48 | 2n54 | 5 10 | 13 15 | 1 52 | 3 13 | 1 55 | 0 49 | 1 32 | 19 8 | 0 39 | 14 48 | 1 44 | 23 3 | 0 6 | 8 56 | 0 59 | 4 37 | 16 19 | 22 41 | 22 47 | 4 10 | 9 33 | 5 44 |
| T 12 | 20 1 | 8 15 | 4 47 | 13 57 | 1 43 | 3 35 | 1 58 | 0 31 | 1 32 | 19 12 | 0 39 | 14 47 | 1 44 | 23 3 | 0 6 | 8 56 | 0 59 | 4 37 | 16 19 | 22 41 | 22 47 | 4 8 | 9 33 | 5 43 |
| W13 | 20 13 | 13 7 | 4 6 | 14 39 | 1 33 | 3 57 | 2 1 | 0 14 | 1 32 | 19 15 | 0 39 | 14 46 | 1 43 | 23 3 | 0 6 | 8 56 | 0 59 | 4 36 | 16 19 | 22 41 | 22 46 | 4 5 | 9 32 | 5 42 |
| T 14 | 20 25 | 17 14 | 3 10 | 15 21 | 1 24 | 4 18 | 2 3 | 0n 4 | 1 32 | 19 18 | 0 39 | 14 45 | 1 43 | 23 4 | 0 6 | 8 55 | 0 59 | 4 36 | 16 19 | 22 41 | 22 46 | 4 3 | 9 32 | 5 41 |
| F 15 | 20 37 | 20 19 | 2 4 | 16 3 | 1 14 | 4 40 | 2 6 | 0 22 | 1 32 | 19 21 | 0 39 | 14 44 | 1 43 | 23 4 | 0 6 | 8 55 | 0 59 | 4 36 | 16 20 | 22 40 | 22 46 | 4 0 | 9 31 | 5 41 |
| S 16 | 20 48 | 22 10 | 0 52 | 16 45 | 1 3 | 5 2 | 2 8 | 0 40 | 1 32 | 19 24 | 0 39 | 14 43 | 1 43 | 23 4 | 0 6 | 8 55 | 0 59 | 4 36 | 16 20 | 22 40 | 22 45 | 3 57 | 9 31 | 5 40 |
| S 17 | 20 59 | 22 42 | 0s22 | 17 27 | 0 53 | 5 24 | 2 10 | 0 57 | 1 32 | 19 27 | 0 39 | 14 42 | 1 43 | 23 5 | 0 6 | 8 55 | 0 59 | 4 35 | 16 20 | 22 40 | 22 45 | 3 55 | 9 30 | 5 39 |
| M18 | 21 10 | 21 58 | 1 33 | 18 8 | 0 42 | 5 47 | 2 12 | 1 15 | 1 32 | 19 30 | 0 39 | 14 40 | 1 43 | 23 5 | 0 6 | 8 55 | 0 59 | 4 35 | 16 20 | 22 40 | 22 45 | 3 52 | 9 30 | 5 38 |
| T 19 | 21 20 | 20 6 | 2 37 | 18 48 | 0 31 | 6 9 | 2 14 | 1 33 | 1 33 | 19 34 | 0 39 | 14 39 | 1 43 | 23 5 | 0 6 | 8 54 | 1 0 | 4 35 | 16 20 | 22 40 | 22 44 | 3 50 | 9 29 | 5 38 |
| W20 | 21 30 | 17 20 | 3 33 | 19 28 | 0 21 | 6 31 | 2 16 | 1 50 | 1 33 | 19 37 | 0 39 | 14 38 | 1 43 | 23 6 | 0 6 | 8 54 | 1 0 | 4 35 | 16 21 | 22 41 | 22 44 | 3 47 | 9 29 | 5 37 |
| T 21 | 21 40 | 13 51 | 4 17 | 20 6 | 0 10 | 6 53 | 2 17 | 2 8 | 1 33 | 19 40 | 0 39 | 14 37 | 1 43 | 23 6 | 0 6 | 8 54 | 1 0 | 4 34 | 16 21 | 22 41 | 22 44 | 3 44 | 9 28 | 5 36 |
| F 22 | 21 49 | 9 51 | 4 50 | 20 43 | 0n 1 | 7 16 | 2 19 | 2 25 | 1 33 | 19 43 | 0 38 | 14 36 | 1 42 | 23 6 | 0 6 | 8 54 | 1 0 | 4 34 | 16 21 | 22 41 | 22 43 | 3 42 | 9 27 | 5 35 |
| S 23 | 21 58 | 5 31 | 5 10 | 21 18 | 0 12 | 7 38 | 2 20 | 2 43 | 1 33 | 19 45 | 0 38 | 14 34 | 1 42 | 23 7 | 0 6 | 8 54 | 1 0 | 4 34 | 16 21 | 22 41 | 22 43 | 3 39 | 9 27 | 5 35 |
| S 24 | 22 6 | 1 0 | 5 17 | 21 51 | 0 22 | 8 0 | 2 21 | 3 0 | 1 32 | 19 48 | 0 38 | 14 33 | 1 42 | 23 7 | 0 6 | 8 54 | 1 0 | 4 34 | 16 21 | 22 41 | 22 43 | 3 37 | 9 26 | 5 34 |
| M25 | 22 14 | 3s35 | 5 10 | 22 23 | 0 32 | 8 23 | 2 22 | 3 18 | 1 32 | 19 51 | 0 38 | 14 32 | 1 42 | 23 7 | 0 6 | 8 54 | 1 0 | 4 34 | 16 22 | 22 41 | 22 42 | 3 34 | 9 25 | 5 33 |
| T 26 | 22 22 | 8 4 | 4 49 | 22 52 | 0 42 | 8 45 | 2 23 | 3 35 | 1 32 | 19 54 | 0 38 | 14 30 | 1 42 | 23 8 | 0 6 | 8 54 | 1 0 | 4 34 | 16 22 | 22 41 | 22 42 | 3 31 | 9 24 | 5 33 |
| W27 | 22 29 | 12 19 | 4 15 | 23 19 | 0 52 | 9 7 | 2 24 | 3 52 | 1 32 | 19 57 | 0 38 | 14 29 | 1 42 | 23 8 | 0 6 | 8 54 | 1 0 | 4 33 | 16 22 | 22 41 | 22 42 | 3 29 | 9 23 | 5 32 |
| T 28 | 22 36 | 16 7 | 3 29 | 23 43 | 1 1 | 9 29 | 2 25 | 4 9 | 1 32 | 20 0 | 0 38 | 14 28 | 1 42 | 23 8 | 0 6 | 8 54 | 1 0 | 4 33 | 16 22 | 22 41 | 22 41 | 3 26 | 9 22 | 5 31 |
| F 29 | 22 42 | 19 17 | 2 31 | 24 5 | 1 9 | 9 52 | 2 25 | 4 26 | 1 32 | 20 3 | 0 38 | 14 26 | 1 42 | 23 8 | 0 6 | 8 54 | 1 0 | 4 33 | 16 22 | 22 41 | 22 41 | 3 24 | 9 22 | 5 31 |
| S 30 | 22 49 | 21 32 | 1 24 | 24 24 | 1 17 | 10 14 | 2 26 | 4 43 | 1 32 | 20 5 | 0 38 | 14 25 | 1 42 | 23 9 | 0 6 | 8 54 | 1 0 | 4 33 | 16 23 | 22 41 | 22 40 | 3 21 | 9 21 | 5 30 |
| S 31 | 22n54 | 22s38 | 0s11 | 24n40 | 1n24 | 10n36 | 2s26 | 5n 0 | 1s32 | 20n 8 | 0s38 | 14n23 | 1n42 | 23n 9 | 0n 6 | 8s53 | 1s 0 | 4s33 | 16s23 | 22s41 | 22s40 | 3n18 | 9n20 | 5s29 |

Julian Day Number = 2217918.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'04, Lahiri = 14°56'05 Julian Calendar 1 May 1360 == Greg. Calendar 9 May 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## JUNE 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 10 47 | 18♊10'01 | 26♐49 | 24♊ 6 | 5♉ 4 | 17♈ 0 | 2♊51 | 26♌22 | 18♊53 | 9♓41 | 27♈56 | 15°R 2 | 14♐54 | 9♍33 | 21♌ 8 | M 1 |
| T 2 | 17 14 43 | 19° 7'14 | 10♑46 | 26°14 | 6°10 | 17°44 | 3° 5 | 26°26 | 18°56 | 9°41 | 27°57 | 15♐ 2 | 14°50 | 9°40 | 21°13 | T 2 |
| W 3 | 17 18 40 | 20° 4'26 | 24°55 | 28°20 | 7°17 | 18°27 | 3°19 | 26°30 | 19° 0 | 9°41 | 27°58 | 15° 1 | 14°47 | 9°47 | 21°19 | W 3 |
| T 4 | 17 22 37 | 21° 1'38 | 9♒11 | 0♋25 | 8°23 | 19°11 | 3°32 | 26°35 | 19° 3 | 9°R41 | 27°59 | 15° 1 | 14°44 | 9°54 | 21°24 | T 4 |
| F 5 | 17 26 33 | 21°58'50 | 23°32 | 2°28 | 9°30 | 19°54 | 3°46 | 26°39 | 19° 7 | 9°41 | 28° 0 | 15° 0 | 14°41 | 10° 0 | 21°30 | F 5 |
| S 6 | 17 30 30 | 22°56'02 | 7♓52 | 4°29 | 10°37 | 20°38 | 3°59 | 26°44 | 19°10 | 9°41 | 28° 1 | 14°59 | 14°38 | 10° 7 | 21°35 | S 6 |
| S 7 | 17 34 26 | 23°53'13 | 22° 9 | 6°28 | 11°44 | 21°21 | 4°13 | 26°48 | 19°14 | 9°41 | 28° 2 | 14°D59 | 14°35 | 10°14 | 21°41 | S 7 |
| M 8 | 17 38 23 | 24°50'25 | 6♈19 | 8°26 | 12°51 | 22° 4 | 4°26 | 26°53 | 19°18 | 9°41 | 28° 2 | 14°59 | 14°31 | 10°21 | 21°47 | M 8 |
| T 9 | 17 42 19 | 25°47'37 | 20°20 | 10°21 | 13°58 | 22°48 | 4°40 | 26°58 | 19°21 | 9°41 | 28° 3 | 15° 0 | 14°28 | 10°27 | 21°53 | T 9 |
| W10 | 17 46 16 | 26°44'49 | 4♉12 | 12°14 | 15° 5 | 23°31 | 4°53 | 27° 3 | 19°25 | 9°41 | 28° 4 | 15° 1 | 14°25 | 10°34 | 21°59 | W10 |
| T 11 | 17 50 12 | 27°42'01 | 17°51 | 14° 5 | 16°13 | 24°14 | 5° 7 | 27° 8 | 19°28 | 9°40 | 28° 5 | 15° 2 | 14°22 | 10°41 | 22° 5 | T 11 |
| F 12 | 17 54 9 | 28°39'13 | 1♊19 | 15°54 | 17°20 | 24°57 | 5°20 | 27°13 | 19°32 | 9°40 | 28° 6 | 15° 3 | 14°19 | 10°47 | 22°11 | F 12 |
| S 13 | 17 58 6 | 29°36'26 | 14°33 | 17°41 | 18°28 | 25°40 | 5°34 | 27°18 | 19°35 | 9°40 | 28° 6 | 15°R 3 | 14°16 | 10°54 | 22°17 | S 13 |
| S 14 | 18 2 2 | 0♋33'38 | 27°33 | 19°26 | 19°36 | 26°22 | 5°47 | 27°23 | 19°39 | 9°40 | 28° 7 | 15° 3 | 14°12 | 11° 1 | 22°23 | S 14 |
| M15 | 18 5 59 | 1°30'50 | 10♋20 | 21° 9 | 20°43 | 27° 5 | 6° 0 | 27°28 | 19°42 | 9°39 | 28° 8 | 15° 2 | 14° 9 | 11° 8 | 22°29 | M15 |
| T 16 | 18 9 55 | 2°28'02 | 22°52 | 22°49 | 21°51 | 27°48 | 6°13 | 27°34 | 19°46 | 9°39 | 28° 8 | 15° 0 | 14° 6 | 11°14 | 22°36 | T 16 |
| W17 | 18 13 52 | 3°25'14 | 5♌12 | 24°28 | 23° 0 | 28°30 | 6°27 | 27°39 | 19°50 | 9°38 | 28° 9 | 14°57 | 14° 3 | 11°21 | 22°42 | W17 |
| T 18 | 18 17 48 | 4°22'26 | 17°21 | 26° 4 | 24° 8 | 29°13 | 6°40 | 27°45 | 19°53 | 9°38 | 28°10 | 14°54 | 14° 0 | 11°28 | 22°49 | T 18 |
| F 19 | 18 21 45 | 5°19'37 | 29°21 | 27°38 | 25°16 | 29°55 | 6°53 | 27°50 | 19°56 | 9°38 | 28°10 | 14°51 | 13°56 | 11°34 | 22°55 | F 19 |
| S 20 | 18 25 42 | 6°16'49 | 11♍16 | 29°10 | 26°25 | 0♉37 | 7° 6 | 27°56 | 20° 0 | 9°37 | 28°11 | 14°49 | 13°53 | 11°41 | 23° 2 | S 20 |
| S 21 | 18 29 38 | 7°14'00 | 23° 8 | 0♌40 | 27°33 | 1°19 | 7°19 | 28° 1 | 20° 3 | 9°37 | 28°12 | 14°47 | 13°50 | 11°48 | 23° 9 | S 21 |
| M22 | 18 33 35 | 8°11'12 | 5♎ 3 | 2° 7 | 28°42 | 2° 2 | 7°32 | 28° 7 | 20° 7 | 9°36 | 28°12 | 14°D46 | 13°47 | 11°55 | 23°15 | M22 |
| T 23 | 18 37 31 | 9° 8'23 | 17° 5 | 3°33 | 29°50 | 2°44 | 7°45 | 28°13 | 20°10 | 9°35 | 28°13 | 14°46 | 13°44 | 12° 1 | 23°22 | T 23 |
| W24 | 18 41 28 | 10° 5'35 | 29°19 | 4°56 | 0♊59 | 3°25 | 7°57 | 28°18 | 20°14 | 9°35 | 28°13 | 14°47 | 13°41 | 12° 8 | 23°29 | W24 |
| T 25 | 18 45 24 | 11° 2'46 | 11♏49 | 6°16 | 2° 8 | 4° 7 | 8°10 | 28°24 | 20°17 | 9°34 | 28°14 | 14°49 | 13°37 | 12°15 | 23°36 | T 25 |
| F 26 | 18 49 21 | 11°59'57 | 24°38 | 7°35 | 3°17 | 4°49 | 8°23 | 28°30 | 20°21 | 9°33 | 28°14 | 14°50 | 13°34 | 12°22 | 23°43 | F 26 |
| S 27 | 18 53 17 | 12°57'09 | 7♐51 | 8°51 | 4°26 | 5°30 | 8°36 | 28°36 | 20°24 | 9°33 | 28°15 | 14°51 | 13°31 | 12°28 | 23°50 | S 27 |
| S 28 | 18 57 14 | 13°54'21 | 21°27 | 10° 5 | 5°35 | 6°12 | 8°48 | 28°42 | 20°27 | 9°32 | 28°15 | 14°R51 | 13°28 | 12°35 | 23°57 | S 28 |
| M29 | 19 1 11 | 14°51'33 | 5♑27 | 11°16 | 6°45 | 6°53 | 9° 1 | 28°48 | 20°31 | 9°31 | 28°16 | 14°50 | 13°25 | 12°42 | 24° 4 | M29 |
| T 30 | 19 5 7 | 15♋48'46 | 19♑47 | 12♌25 | 7♊54 | 7♉35 | 9♊13 | 28♌55 | 20♊34 | 9♓30 | 28♈16 | 14♐47 | 13♐22 | 12♍48 | 24♌11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 23n 0 | 22s24 | 1n 5 | 24n54 | 1n31 | 10n57 | 2s26 | 5n17 | 1s32 | 20n11 | 0s38 | 14n22 | 1n41 | 23n 9 | 0n 6 | 8s53 | 1s 0 | 4s33 | 16s23 | 22s41 | 22s40 | 3n16 | 9n19 | 5s29 |
| T 2 | 23 4 | 20 48 | 2 18 | 25 4 | 1 36 | 11 19 | 2 26 | 5 34 | 1 32 | 20 14 | 0 38 | 14 20 | 1 41 | 23 10 | 0 6 | 8 54 | 1 0 | 4 33 | 16 23 | 22 41 | 22 39 | 3 13 | 9 18 | 5 28 |
| W 3 | 23 9 | 17 53 | 3 23 | 25 12 | 1 41 | 11 41 | 2 26 | 5 51 | 1 32 | 20 16 | 0 38 | 14 19 | 1 41 | 23 10 | 0 6 | 8 54 | 1 0 | 4 33 | 16 24 | 22 41 | 22 39 | 3 11 | 9 17 | 5 27 |
| T 4 | 23 13 | 13 53 | 4 17 | 25 17 | 1 46 | 12 2 | 2 26 | 6 7 | 1 31 | 20 19 | 0 38 | 14 17 | 1 41 | 23 10 | 0 6 | 8 54 | 1 0 | 4 33 | 16 24 | 22 41 | 22 39 | 3 8 | 9 15 | 5 27 |
| F 5 | 23 17 | 9 5 | 4 55 | 25 19 | 1 50 | 12 24 | 2 26 | 6 24 | 1 31 | 20 22 | 0 38 | 14 15 | 1 41 | 23 11 | 0 6 | 8 54 | 1 0 | 4 33 | 16 24 | 22 40 | 22 38 | 3 6 | 9 14 | 5 26 |
| S 6 | 23 20 | 3 47 | 5 14 | 25 19 | 1 52 | 12 45 | 2 26 | 6 41 | 1 31 | 20 24 | 0 38 | 14 14 | 1 41 | 23 11 | 0 6 | 8 54 | 1 0 | 4 33 | 16 24 | 22 40 | 22 38 | 3 3 | 9 13 | 5 25 |
| S 7 | 23 23 | 1n41 | 5 14 | 25 16 | 1 55 | 13 6 | 2 25 | 6 57 | 1 31 | 20 27 | 0 37 | 14 12 | 1 41 | 23 11 | 0 6 | 8 54 | 1 0 | 4 32 | 16 25 | 22 40 | 22 38 | 3 0 | 9 12 | 5 25 |
| M 8 | 23 25 | 7 1 | 4 55 | 25 11 | 1 56 | 13 27 | 2 25 | 7 13 | 1 31 | 20 29 | 0 37 | 14 10 | 1 41 | 23 12 | 0 6 | 8 54 | 1 0 | 4 32 | 16 25 | 22 40 | 22 37 | 2 58 | 9 11 | 5 24 |
| T 9 | 23 27 | 11 57 | 4 18 | 25 3 | 1 57 | 13 47 | 2 24 | 7 30 | 1 31 | 20 32 | 0 37 | 14 9 | 1 41 | 23 12 | 0 6 | 8 54 | 1 0 | 4 32 | 16 25 | 22 40 | 22 37 | 2 55 | 9 9 | 5 23 |
| W10 | 23 29 | 16 12 | 3 27 | 24 54 | 1 57 | 14 8 | 2 24 | 7 46 | 1 30 | 20 34 | 0 37 | 14 7 | 1 41 | 23 12 | 0 6 | 8 54 | 1 0 | 4 32 | 16 25 | 22 41 | 22 36 | 2 53 | 9 8 | 5 23 |
| T 11 | 23 30 | 19 32 | 2 25 | 24 42 | 1 56 | 14 28 | 2 23 | 8 2 | 1 30 | 20 37 | 0 37 | 14 5 | 1 41 | 23 12 | 0 6 | 8 54 | 1 1 | 4 32 | 16 26 | 22 41 | 22 36 | 2 50 | 9 7 | 5 22 |
| F 12 | 23 31 | 21 43 | 1 15 | 24 28 | 1 55 | 14 48 | 2 22 | 8 18 | 1 30 | 20 39 | 0 37 | 14 3 | 1 40 | 23 13 | 0 6 | 8 54 | 1 1 | 4 32 | 16 26 | 22 41 | 22 36 | 2 48 | 9 5 | 5 22 |
| S 13 | 23 31 | 22 40 | 0 3 | 24 13 | 1 53 | 15 7 | 2 21 | 8 34 | 1 30 | 20 42 | 0 37 | 14 1 | 1 40 | 23 13 | 0 6 | 8 54 | 1 1 | 4 32 | 16 26 | 22 41 | 22 35 | 2 45 | 9 4 | 5 21 |
| S 14 | 23 31 | 22 21 | 1s 9 | 23 56 | 1 50 | 15 27 | 2 20 | 8 49 | 1 29 | 20 44 | 0 37 | 13 59 | 1 40 | 23 13 | 0 6 | 8 55 | 1 1 | 4 32 | 16 27 | 22 41 | 22 35 | 2 42 | 9 3 | 5 20 |
| M15 | 23 31 | 20 52 | 2 15 | 23 37 | 1 47 | 15 46 | 2 19 | 9 5 | 1 29 | 20 46 | 0 37 | 13 58 | 1 40 | 23 14 | 0 6 | 8 55 | 1 1 | 4 32 | 16 27 | 22 41 | 22 35 | 2 40 | 9 1 | 5 20 |
| T 16 | 23 30 | 18 23 | 3 14 | 23 17 | 1 43 | 16 5 | 2 17 | 9 20 | 1 29 | 20 49 | 0 37 | 13 56 | 1 40 | 23 14 | 0 6 | 8 55 | 1 1 | 4 32 | 16 27 | 22 40 | 22 34 | 2 37 | 9 0 | 5 19 |
| W17 | 23 29 | 15 7 | 4 2 | 22 55 | 1 39 | 16 23 | 2 16 | 9 36 | 1 29 | 20 51 | 0 37 | 13 54 | 1 40 | 23 14 | 0 6 | 8 55 | 1 1 | 4 32 | 16 27 | 22 40 | 22 34 | 2 35 | 8 58 | 5 19 |
| T 18 | 23 27 | 11 15 | 4 39 | 22 33 | 1 34 | 16 42 | 2 15 | 9 51 | 1 28 | 20 53 | 0 37 | 13 52 | 1 40 | 23 14 | 0 6 | 8 55 | 1 1 | 4 33 | 16 28 | 22 40 | 22 33 | 2 32 | 8 57 | 5 18 |
| F 19 | 23 25 | 7 0 | 5 3 | 22 9 | 1 28 | 16 59 | 2 13 | 10 6 | 1 28 | 20 56 | 0 37 | 13 50 | 1 40 | 23 15 | 0 6 | 8 56 | 1 1 | 4 33 | 16 28 | 22 39 | 22 33 | 2 29 | 8 55 | 5 18 |
| S 20 | 23 22 | 2 32 | 5 14 | 21 44 | 1 22 | 17 17 | 2 12 | 10 22 | 1 28 | 20 58 | 0 37 | 13 48 | 1 40 | 23 15 | 0 6 | 8 56 | 1 1 | 4 33 | 16 28 | 22 39 | 22 33 | 2 27 | 8 53 | 5 17 |
| S 21 | 23 19 | 2s 2 | 5 11 | 21 18 | 1 16 | 17 34 | 2 10 | 10 37 | 1 27 | 21 0 | 0 37 | 13 46 | 1 40 | 23 15 | 0 6 | 8 56 | 1 1 | 4 33 | 16 29 | 22 39 | 22 32 | 2 24 | 8 52 | 5 17 |
| M22 | 23 16 | 6 31 | 4 55 | 20 52 | 1 9 | 17 51 | 2 8 | 10 51 | 1 27 | 21 2 | 0 37 | 13 44 | 1 40 | 23 15 | 0 6 | 8 56 | 1 1 | 4 33 | 16 29 | 22 39 | 22 32 | 2 22 | 8 50 | 5 16 |
| T 23 | 23 12 | 10 49 | 4 26 | 20 25 | 1 1 | 18 8 | 2 6 | 11 6 | 1 27 | 21 4 | 0 37 | 13 42 | 1 40 | 23 16 | 0 6 | 8 57 | 1 1 | 4 33 | 16 29 | 22 39 | 22 32 | 2 19 | 8 48 | 5 15 |
| W24 | 23 8 | 14 46 | 3 44 | 19 57 | 0 53 | 18 24 | 2 5 | 11 21 | 1 26 | 21 6 | 0 37 | 13 40 | 1 40 | 23 16 | 0 6 | 8 57 | 1 1 | 4 33 | 16 30 | 22 39 | 22 31 | 2 17 | 8 47 | 5 15 |
| T 25 | 23 4 | 18 9 | 2 51 | 19 29 | 0 44 | 18 39 | 2 3 | 11 35 | 1 26 | 21 8 | 0 37 | 13 37 | 1 40 | 23 16 | 0 6 | 8 57 | 1 1 | 4 33 | 16 30 | 22 39 | 22 31 | 2 14 | 8 45 | 5 14 |
| F 26 | 22 59 | 20 45 | 1 49 | 19 1 | 0 36 | 18 55 | 2 1 | 11 50 | 1 26 | 21 11 | 0 37 | 13 35 | 1 40 | 23 17 | 0 6 | 8 57 | 1 1 | 4 33 | 16 30 | 22 39 | 22 30 | 2 12 | 8 43 | 5 14 |
| S 27 | 22 53 | 22 19 | 0 38 | 18 32 | 0 26 | 19 10 | 1 59 | 12 4 | 1 25 | 21 13 | 0 37 | 13 33 | 1 39 | 23 17 | 0 6 | 8 58 | 1 1 | 4 33 | 16 30 | 22 40 | 22 30 | 2 9 | 8 41 | 5 13 |
| S 28 | 22 48 | 22 39 | 0n36 | 18 3 | 0 16 | 19 24 | 1 56 | 12 18 | 1 25 | 21 15 | 0 37 | 13 31 | 1 39 | 23 17 | 0 6 | 8 58 | 1 1 | 4 33 | 16 31 | 22 40 | 22 30 | 2 6 | 8 40 | 5 13 |
| M29 | 22 41 | 21 34 | 1 50 | 17 34 | 0 6 | 19 38 | 1 54 | 12 32 | 1 24 | 21 17 | 0 37 | 13 29 | 1 39 | 23 17 | 0 6 | 8 58 | 1 1 | 4 34 | 16 31 | 22 39 | 22 29 | 2 4 | 8 38 | 5 12 |
| T 30 | 22n35 | 19s 6 | 2n59 | 17n 4 | 0s 4 | 19n52 | 1s52 | 12n46 | 1s24 | 21n18 | 0s36 | 13n27 | 1n39 | 23n18 | 0n 6 | 8s59 | 1s 1 | 4s34 | 16s31 | 22s39 | 22s29 | 2n 1 | 8n36 | 5s12 |

Julian Day Number = 2217949.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'09, Lahiri = 14°56'09 Julian Calendar 1 June 1360 == Greg. Calendar 9 June 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## JULY 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 9 4 | 16♋45'59 | 4♒23 | 13♌31 | 9♊ 4 | 8♉16 | 9♊26 | 29♌ 1 | 20♊37 | 9°R30 | 28♈17 | 14°R44 | 13♐18 | 12♍55 | 24♌18 | W 1 |
| T 2 | 19 13 0 | 17°43'13 | 19° 7 | 14°34 | 10°13 | 8°57 | 9°38 | 29° 7 | 20°41 | 9♓29 | 28°17 | 14♐39 | 13°15 | 13° 2 | 24°25 | T 2 |
| F 3 | 19 16 57 | 18°40'27 | 3♓53 | 15°34 | 11°23 | 9°38 | 9°50 | 29°13 | 20°44 | 9°28 | 28°18 | 14°34 | 13°12 | 13° 9 | 24°33 | F 3 |
| S 4 | 19 20 53 | 19°37'42 | 18°32 | 16°32 | 12°33 | 10°19 | 10° 3 | 29°20 | 20°47 | 9°27 | 28°18 | 14°30 | 13° 9 | 13°15 | 24°40 | S 4 |
| S 5 | 19 24 50 | 20°34'57 | 2♈59 | 17°26 | 13°42 | 11° 0 | 10°15 | 29°26 | 20°50 | 9°26 | 28°18 | 14°28 | 13° 6 | 13°22 | 24°47 | S 5 |
| M 6 | 19 28 46 | 21°32'14 | 17°11 | 18°17 | 14°52 | 11°40 | 10°27 | 29°33 | 20°54 | 9°25 | 28°18 | 14°D26 | 13° 2 | 13°29 | 24°55 | M 6 |
| T 7 | 19 32 43 | 22°29'32 | 1♉ 6 | 19° 5 | 16° 2 | 12°21 | 10°39 | 29°39 | 20°57 | 9°24 | 28°19 | 14°27 | 12°59 | 13°36 | 25° 2 | T 7 |
| W 8 | 19 36 40 | 23°26'51 | 14°43 | 19°50 | 17°12 | 13° 1 | 10°51 | 29°46 | 21° 0 | 9°23 | 28°19 | 14°28 | 12°56 | 13°42 | 25°10 | W 8 |
| T 9 | 19 40 36 | 24°24'11 | 28° 4 | 20°31 | 18°23 | 13°41 | 11° 3 | 29°52 | 21° 3 | 9°22 | 28°19 | 14°29 | 12°53 | 13°49 | 25°18 | T 9 |
| F 10 | 19 44 33 | 25°21'32 | 11♊ 9 | 21° 8 | 19°33 | 14°22 | 11°15 | 29°59 | 21° 6 | 9°21 | 28°20 | 14°R30 | 12°50 | 13°56 | 25°25 | F 10 |
| S 11 | 19 48 29 | 26°18'53 | 24° 1 | 21°41 | 20°43 | 15° 2 | 11°26 | 0♍ 5 | 21° 9 | 9°20 | 28°20 | 14°30 | 12°47 | 14° 2 | 25°33 | S 11 |
| S 12 | 19 52 26 | 27°16'16 | 6♋42 | 22°10 | 21°54 | 15°42 | 11°38 | 0°12 | 21°12 | 9°19 | 28°20 | 14°28 | 12°43 | 14° 9 | 25°41 | S 12 |
| M13 | 19 56 22 | 28°13'40 | 19°11 | 22°35 | 23° 4 | 16°22 | 11°50 | 0°19 | 21°15 | 9°18 | 28°20 | 14°23 | 12°40 | 14°16 | 25°48 | M13 |
| T 14 | 20 0 19 | 29°11'05 | 1♌30 | 22°55 | 24°15 | 17° 1 | 12° 1 | 0°26 | 21°18 | 9°17 | 28°20 | 14°17 | 12°37 | 14°23 | 25°56 | T 14 |
| W15 | 20 4 15 | 0♌ 8'30 | 13°41 | 23°11 | 25°25 | 17°41 | 12°12 | 0°33 | 21°21 | 9°15 | 28°20 | 14° 9 | 12°34 | 14°29 | 26° 4 | W15 |
| T 16 | 20 8 12 | 1° 5'56 | 25°44 | 23°21 | 26°36 | 18°20 | 12°24 | 0°39 | 21°24 | 9°14 | 28°20 | 14° 1 | 12°31 | 14°36 | 26°12 | T 16 |
| F 17 | 20 12 9 | 2° 3'23 | 7♍40 | 23°27 | 27°47 | 19° 0 | 12°35 | 0°46 | 21°27 | 9°13 | 28°21 | 13°52 | 12°28 | 14°43 | 26°20 | F 17 |
| S 18 | 20 16 5 | 3° 0'51 | 19°33 | 23°R28 | 28°58 | 19°39 | 12°46 | 0°53 | 21°30 | 9°12 | 28°21 | 13°44 | 12°24 | 14°49 | 26°27 | S 18 |
| S 19 | 20 20 2 | 3°58'20 | 1♎24 | 23°23 | 0♋ 9 | 20°18 | 12°57 | 1° 0 | 21°33 | 9°11 | 28°21 | 13°37 | 12°21 | 14°56 | 26°35 | S 19 |
| M20 | 20 23 58 | 4°55'50 | 13°17 | 23°13 | 1°20 | 20°57 | 13° 8 | 1° 7 | 21°36 | 9° 9 | 28°R21 | 13°33 | 12°18 | 15° 3 | 26°43 | M20 |
| T 21 | 20 27 55 | 5°53'20 | 25°17 | 22°58 | 2°31 | 21°35 | 13°19 | 1°14 | 21°39 | 9° 8 | 28°21 | 13°30 | 12°15 | 15°10 | 26°51 | T 21 |
| W22 | 20 31 51 | 6°50'51 | 7♏27 | 22°37 | 3°42 | 22°14 | 13°30 | 1°21 | 21°41 | 9° 7 | 28°21 | 13°D30 | 12°12 | 15°16 | 26°59 | W22 |
| T 23 | 20 35 48 | 7°48'24 | 19°54 | 22°12 | 4°53 | 22°52 | 13°41 | 1°29 | 21°44 | 9° 5 | 28°21 | 13°30 | 12° 8 | 15°23 | 27° 7 | T 23 |
| F 24 | 20 39 44 | 8°45'57 | 2♐40 | 21°41 | 6° 4 | 23°31 | 13°51 | 1°36 | 21°47 | 9° 4 | 28°21 | 13°31 | 12° 5 | 15°30 | 27°16 | F 24 |
| S 25 | 20 43 41 | 9°43'31 | 15°52 | 21° 5 | 7°16 | 24° 9 | 14° 2 | 1°43 | 21°50 | 9° 3 | 28°20 | 13°R31 | 12° 2 | 15°37 | 27°24 | S 25 |
| S 26 | 20 47 38 | 10°41'06 | 29°31 | 20°25 | 8°27 | 24°47 | 14°12 | 1°50 | 21°52 | 9° 1 | 28°20 | 13°30 | 11°59 | 15°43 | 27°32 | S 26 |
| M27 | 20 51 34 | 11°38'42 | 13♑39 | 19°42 | 9°39 | 25°25 | 14°23 | 1°57 | 21°55 | 9° 0 | 28°20 | 13°27 | 11°56 | 15°50 | 27°40 | M27 |
| T 28 | 20 55 31 | 12°36'19 | 28°12 | 18°55 | 10°50 | 26° 3 | 14°33 | 2° 4 | 21°57 | 8°58 | 28°20 | 13°22 | 11°53 | 15°57 | 27°48 | T 28 |
| W29 | 20 59 27 | 13°33'58 | 13♒ 6 | 18° 6 | 12° 2 | 26°40 | 14°43 | 2°12 | 22° 0 | 8°57 | 28°20 | 13°14 | 11°49 | 16° 3 | 27°56 | W29 |
| T 30 | 21 3 24 | 14°31'37 | 28°13 | 17°15 | 13°14 | 27°17 | 14°53 | 2°19 | 22° 2 | 8°55 | 28°20 | 13° 5 | 11°46 | 16°10 | 28° 5 | T 30 |
| F 31 | 21 7 20 | 15♌29'18 | 13♓21 | 16♌24 | 14♋25 | 27♉55 | 15♊ 3 | 2♍26 | 22♊ 5 | 8♓54 | 28♈20 | 12♐56 | 11♐43 | 16♍17 | 28♌13 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n28 | 15s23 | 3n58 | 16n35 | 0s15 | 20n 5 | 1s50 | 12n59 | 1s24 | 21n20 | 0s36 | 13n24 | 1n39 | 23n18 | 0n 6 | 8s59 | 1s 1 | 4s34 | 16s32 | 22s39 | 22s28 | 1n59 | 8n34 | 5s11 | W 1 |
| T 2 | 22 21 | 10 41 | 4 41 | 16 6 | 0 26 | 20 17 | 1 47 | 13 13 | 1 23 | 21 22 | 0 36 | 13 22 | 1 39 | 23 18 | 0 6 | 8 59 | 1 1 | 4 34 | 16 32 | 22 38 | 22 28 | 1 56 | 8 32 | 5 11 | T 2 |
| F 3 | 22 13 | 5 22 | 5 6 | 15 38 | 0 37 | 20 30 | 1 45 | 13 26 | 1 23 | 21 24 | 0 36 | 13 20 | 1 39 | 23 18 | 0 7 | 9 0 | 1 1 | 4 34 | 16 32 | 22 38 | 22 28 | 1 54 | 8 30 | 5 11 | F 3 |
| S 4 | 22 5 | 0n13 | 5 10 | 15 9 | 0 49 | 20 41 | 1 42 | 13 40 | 1 22 | 21 26 | 0 36 | 13 18 | 1 39 | 23 19 | 0 7 | 9 0 | 1 1 | 4 34 | 16 33 | 22 37 | 22 27 | 1 51 | 8 28 | 5 10 | S 4 |
| S 5 | 21 56 | 5 42 | 4 55 | 14 41 | 1 1 | 20 52 | 1 40 | 13 53 | 1 22 | 21 28 | 0 36 | 13 15 | 1 39 | 23 19 | 0 7 | 9 0 | 1 1 | 4 35 | 16 33 | 22 37 | 22 27 | 1 48 | 8 26 | 5 10 | S 5 |
| M 6 | 21 47 | 10 48 | 4 22 | 14 14 | 1 13 | 21 3 | 1 37 | 14 6 | 1 21 | 21 30 | 0 36 | 13 13 | 1 39 | 23 19 | 0 7 | 9 1 | 1 2 | 4 35 | 16 33 | 22 37 | 22 26 | 1 46 | 8 24 | 5 9 | M 6 |
| T 7 | 21 38 | 15 14 | 3 34 | 13 48 | 1 26 | 21 13 | 1 35 | 14 19 | 1 21 | 21 31 | 0 36 | 13 11 | 1 39 | 23 19 | 0 7 | 9 1 | 1 2 | 4 35 | 16 34 | 22 37 | 22 26 | 1 43 | 8 22 | 5 9 | T 7 |
| W 8 | 21 29 | 18 46 | 2 35 | 13 22 | 1 38 | 21 23 | 1 32 | 14 32 | 1 20 | 21 33 | 0 36 | 13 8 | 1 39 | 23 19 | 0 7 | 9 2 | 1 2 | 4 35 | 16 34 | 22 37 | 22 26 | 1 41 | 8 20 | 5 8 | W 8 |
| T 9 | 21 19 | 21 14 | 1 28 | 12 57 | 1 51 | 21 32 | 1 29 | 14 44 | 1 20 | 21 35 | 0 36 | 13 6 | 1 39 | 23 20 | 0 7 | 9 2 | 1 2 | 4 35 | 16 34 | 22 37 | 22 25 | 1 38 | 8 18 | 5 8 | T 9 |
| F 10 | 21 8 | 22 29 | 0 18 | 12 33 | 2 4 | 21 40 | 1 27 | 14 57 | 1 19 | 21 36 | 0 36 | 13 4 | 1 39 | 23 20 | 0 7 | 9 3 | 1 2 | 4 36 | 16 35 | 22 37 | 22 25 | 1 36 | 8 16 | 5 7 | F 10 |
| S 11 | 20 58 | 22 32 | 0s51 | 12 10 | 2 17 | 21 48 | 1 24 | 15 9 | 1 19 | 21 38 | 0 36 | 13 1 | 1 39 | 23 20 | 0 7 | 9 3 | 1 2 | 4 36 | 16 35 | 22 37 | 22 24 | 1 33 | 8 14 | 5 7 | S 11 |
| S 12 | 20 47 | 21 24 | 1 57 | 11 48 | 2 30 | 21 56 | 1 21 | 15 21 | 1 18 | 21 40 | 0 36 | 12 59 | 1 39 | 23 20 | 0 7 | 9 3 | 1 2 | 4 36 | 16 35 | 22 37 | 22 24 | 1 31 | 8 11 | 5 7 | S 12 |
| M13 | 20 35 | 19 14 | 2 56 | 11 28 | 2 43 | 22 2 | 1 18 | 15 33 | 1 17 | 21 41 | 0 36 | 12 56 | 1 39 | 23 21 | 0 7 | 9 4 | 1 2 | 4 36 | 16 36 | 22 36 | 22 24 | 1 28 | 8 9 | 5 6 | M13 |
| T 14 | 20 23 | 16 13 | 3 46 | 11 10 | 2 55 | 22 9 | 1 15 | 15 45 | 1 17 | 21 43 | 0 36 | 12 54 | 1 39 | 23 21 | 0 7 | 9 4 | 1 2 | 4 37 | 16 36 | 22 36 | 22 23 | 1 25 | 8 7 | 5 6 | T 14 |
| W15 | 20 11 | 12 33 | 4 25 | 10 53 | 3 8 | 22 14 | 1 12 | 15 57 | 1 16 | 21 44 | 0 36 | 12 51 | 1 39 | 23 21 | 0 7 | 9 5 | 1 2 | 4 37 | 16 36 | 22 35 | 22 23 | 1 23 | 8 5 | 5 6 | W15 |
| T 16 | 19 59 | 8 25 | 4 51 | 10 38 | 3 20 | 22 19 | 1 9 | 16 8 | 1 16 | 21 46 | 0 36 | 12 49 | 1 39 | 23 21 | 0 7 | 9 5 | 1 2 | 4 37 | 16 37 | 22 34 | 22 22 | 1 20 | 8 2 | 5 5 | T 16 |
| F 17 | 19 46 | 4 0 | 5 5 | 10 25 | 3 32 | 22 24 | 1 7 | 16 20 | 1 15 | 21 47 | 0 36 | 12 47 | 1 39 | 23 21 | 0 7 | 9 6 | 1 2 | 4 37 | 16 37 | 22 33 | 22 22 | 1 18 | 8 0 | 5 5 | F 17 |
| S 18 | 19 33 | 0s31 | 5 5 | 10 13 | 3 44 | 22 27 | 1 4 | 16 31 | 1 14 | 21 49 | 0 36 | 12 44 | 1 39 | 23 22 | 0 7 | 9 6 | 1 2 | 4 38 | 16 37 | 22 32 | 22 22 | 1 15 | 7 58 | 5 4 | S 18 |
| S 19 | 19 20 | 5 1 | 4 52 | 10 5 | 3 55 | 22 31 | 1 1 | 16 42 | 1 14 | 21 50 | 0 36 | 12 41 | 1 39 | 23 22 | 0 7 | 9 7 | 1 2 | 4 38 | 16 38 | 22 31 | 22 21 | 1 13 | 7 56 | 5 4 | S 19 |
| M20 | 19 6 | 9 21 | 4 27 | 9 58 | 4 5 | 22 33 | 0 58 | 16 53 | 1 13 | 21 51 | 0 36 | 12 39 | 1 39 | 23 22 | 0 7 | 9 7 | 1 2 | 4 38 | 16 38 | 22 30 | 22 21 | 1 10 | 7 53 | 5 4 | M20 |
| T 21 | 18 52 | 13 22 | 3 49 | 9 54 | 4 14 | 22 35 | 0 55 | 17 4 | 1 12 | 21 53 | 0 36 | 12 36 | 1 39 | 23 22 | 0 7 | 9 8 | 1 2 | 4 39 | 16 38 | 22 30 | 22 20 | 1 8 | 7 51 | 5 3 | T 21 |
| W22 | 18 37 | 16 54 | 3 1 | 9 53 | 4 23 | 22 37 | 0 52 | 17 14 | 1 12 | 21 54 | 0 36 | 12 34 | 1 39 | 23 22 | 0 7 | 9 8 | 1 2 | 4 39 | 16 38 | 22 30 | 22 20 | 1 5 | 7 48 | 5 3 | W22 |
| T 23 | 18 23 | 19 45 | 2 3 | 9 54 | 4 30 | 22 37 | 0 49 | 17 25 | 1 11 | 21 56 | 0 36 | 12 31 | 1 39 | 23 23 | 0 7 | 9 9 | 1 2 | 4 39 | 16 39 | 22 30 | 22 20 | 1 3 | 7 46 | 5 3 | T 23 |
| F 24 | 18 8 | 21 43 | 0 58 | 9 58 | 4 37 | 22 37 | 0 45 | 17 35 | 1 10 | 21 57 | 0 36 | 12 29 | 1 39 | 23 23 | 0 7 | 9 9 | 1 2 | 4 40 | 16 39 | 22 30 | 22 19 | 1 0 | 7 44 | 5 2 | F 24 |
| S 25 | 17 53 | 22 34 | 0n13 | 10 4 | 4 41 | 22 37 | 0 42 | 17 45 | 1 10 | 21 58 | 0 36 | 12 26 | 1 39 | 23 23 | 0 7 | 9 10 | 1 2 | 4 40 | 16 39 | 22 30 | 22 19 | 0 57 | 7 41 | 5 2 | S 25 |
| S 26 | 17 37 | 22 7 | 1 25 | 10 14 | 4 45 | 22 36 | 0 39 | 17 55 | 1 9 | 21 59 | 0 36 | 12 24 | 1 39 | 23 23 | 0 7 | 9 11 | 1 2 | 4 40 | 16 40 | 22 30 | 22 18 | 0 55 | 7 39 | 5 2 | S 26 |
| M27 | 17 21 | 20 16 | 2 34 | 10 25 | 4 46 | 22 34 | 0 36 | 18 5 | 1 8 | 22 1 | 0 36 | 12 21 | 1 39 | 23 23 | 0 7 | 9 11 | 1 2 | 4 41 | 16 40 | 22 30 | 22 18 | 0 52 | 7 36 | 5 2 | M27 |
| T 28 | 17 5 | 17 5 | 3 35 | 10 40 | 4 46 | 22 32 | 0 33 | 18 14 | 1 7 | 22 2 | 0 36 | 12 18 | 1 39 | 23 23 | 0 7 | 9 12 | 1 2 | 4 41 | 16 40 | 22 29 | 22 17 | 0 50 | 7 34 | 5 1 | T 28 |
| W29 | 16 49 | 12 44 | 4 23 | 10 57 | 4 45 | 22 28 | 0 30 | 18 24 | 1 7 | 22 3 | 0 36 | 12 16 | 1 39 | 23 24 | 0 7 | 9 12 | 1 2 | 4 41 | 16 41 | 22 28 | 22 17 | 0 47 | 7 31 | 5 1 | W29 |
| T 30 | 16 32 | 7 33 | 4 54 | 11 15 | 4 41 | 22 25 | 0 27 | 18 33 | 1 6 | 22 4 | 0 36 | 12 13 | 1 39 | 23 24 | 0 7 | 9 13 | 1 2 | 4 42 | 16 41 | 22 27 | 22 17 | 0 45 | 7 29 | 5 1 | T 30 |
| F 31 | 16n15 | 1s54 | 5n 4 | 11n36 | 4s35 | 22n20 | 0s24 | 18n42 | 1s 5 | 22n 5 | 0s36 | 12n11 | 1n39 | 23n24 | 0n 7 | 9s13 | 1s 2 | 4s42 | 16s41 | 22s26 | 22s16 | 0n42 | 7n26 | 5s 0 | F 31 |

Julian Day Number = 2217979.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'13, Lahiri = 14°56'13 Julian Calendar 1 July 1360 == Greg. Calendar 9 July 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## AUGUST 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 11 17 | 16♌27'01 | 28♓22 | 15°R33 | 15♋37 | 28♉32 | 15♊13 | 2♍34 | 22♊ 7 | 8°R52 | 28°R19 | 12°R48 | 11♐40 | 16♍24 | 28♌21 | S 1 |
| S 2 | 21 15 13 | 17°24'45 | 13♈ 6 | 14♌43 | 16°49 | 29° 9 | 15°22 | 2°41 | 22°10 | 8♓51 | 28♈19 | 12♐42 | 11°37 | 16°30 | 28°29 | S 2 |
| M 3 | 21 19 10 | 18°22'31 | 27°29 | 13°56 | 18° 1 | 29°46 | 15°32 | 2°48 | 22°12 | 8°49 | 28°19 | 12°38 | 11°34 | 16°37 | 28°38 | M 3 |
| T 4 | 21 23 7 | 19°20'18 | 11♉27 | 13°12 | 19°13 | 0♊22 | 15°41 | 2°56 | 22°14 | 8°48 | 28°19 | 12°36 | 11°30 | 16°44 | 28°46 | T 4 |
| W 5 | 21 27 3 | 20°18'08 | 25° 1 | 12°32 | 20°25 | 0°59 | 15°51 | 3° 3 | 22°17 | 8°46 | 28°18 | 12°D36 | 11°27 | 16°51 | 28°54 | W 5 |
| T 6 | 21 31 0 | 21°15'59 | 8♊12 | 11°58 | 21°37 | 1°35 | 16° 0 | 3°11 | 22°19 | 8°45 | 28°18 | 12°R36 | 11°24 | 16°57 | 29° 3 | T 6 |
| F 7 | 21 34 56 | 22°13'52 | 21° 5 | 11°30 | 22°50 | 2°11 | 16° 9 | 3°18 | 22°21 | 8°43 | 28°18 | 12°36 | 11°21 | 17° 4 | 29°11 | F 7 |
| S 8 | 21 38 53 | 23°11'47 | 3♋43 | 11° 9 | 24° 2 | 2°47 | 16°18 | 3°26 | 22°23 | 8°42 | 28°17 | 12°34 | 11°18 | 17°11 | 29°19 | S 8 |
| S 9 | 21 42 49 | 24° 9'44 | 16° 8 | 10°54 | 25°14 | 3°22 | 16°27 | 3°33 | 22°25 | 8°40 | 28°17 | 12°30 | 11°14 | 17°17 | 29°28 | S 9 |
| M10 | 21 46 46 | 25° 7'42 | 28°23 | 10°D48 | 26°27 | 3°58 | 16°36 | 3°40 | 22°27 | 8°39 | 28°16 | 12°23 | 11°11 | 17°24 | 29°36 | M10 |
| T 11 | 21 50 42 | 26° 5'42 | 10♌30 | 10°49 | 27°39 | 4°33 | 16°44 | 3°48 | 22°29 | 8°37 | 28°16 | 12°13 | 11° 8 | 17°31 | 29°44 | T 11 |
| W12 | 21 54 39 | 27° 3'44 | 22°32 | 10°59 | 28°52 | 5° 8 | 16°53 | 3°55 | 22°31 | 8°35 | 28°15 | 12° 1 | 11° 5 | 17°38 | 29°53 | W12 |
| T 13 | 21 58 36 | 28° 1'47 | 4♍28 | 11°17 | 0♌ 5 | 5°43 | 17° 1 | 4° 3 | 22°33 | 8°34 | 28°15 | 11°47 | 11° 2 | 17°44 | 0♍ 1 | T 13 |
| F 14 | 22 2 32 | 28°59'52 | 16°21 | 11°44 | 1°17 | 6°18 | 17° 9 | 4°10 | 22°35 | 8°32 | 28°15 | 11°34 | 10°59 | 17°51 | 0°10 | F 14 |
| S 15 | 22 6 29 | 29°57'58 | 28°13 | 12°18 | 2°30 | 6°53 | 17°18 | 4°18 | 22°37 | 8°30 | 28°14 | 11°21 | 10°55 | 17°58 | 0°18 | S 15 |
| S 16 | 22 10 25 | 0♍56'06 | 10♎ 4 | 13° 1 | 3°43 | 7°27 | 17°25 | 4°26 | 22°39 | 8°29 | 28°13 | 11°10 | 10°52 | 18° 4 | 0°26 | S 16 |
| M17 | 22 14 22 | 1°54'16 | 21°57 | 13°51 | 4°56 | 8° 1 | 17°33 | 4°33 | 22°41 | 8°27 | 28°13 | 11° 2 | 10°49 | 18°11 | 0°35 | M17 |
| T 18 | 22 18 18 | 2°52'27 | 3♏56 | 14°49 | 6° 9 | 8°35 | 17°41 | 4°41 | 22°42 | 8°26 | 28°12 | 10°56 | 10°46 | 18°18 | 0°43 | T 18 |
| W19 | 22 22 15 | 3°50'40 | 16° 5 | 15°54 | 7°22 | 9° 8 | 17°49 | 4°48 | 22°44 | 8°24 | 28°12 | 10°54 | 10°43 | 18°25 | 0°52 | W19 |
| T 20 | 22 26 11 | 4°48'55 | 28°28 | 17° 6 | 8°35 | 9°42 | 17°56 | 4°56 | 22°46 | 8°22 | 28°11 | 10°53 | 10°39 | 18°31 | 1° 0 | T 20 |
| F 21 | 22 30 8 | 5°47'10 | 11♐11 | 18°23 | 9°48 | 10°15 | 18° 3 | 5° 3 | 22°47 | 8°21 | 28°11 | 10°53 | 10°36 | 18°38 | 1° 8 | F 21 |
| S 22 | 22 34 5 | 6°45'28 | 24°16 | 19°47 | 11° 1 | 10°48 | 18°10 | 5°11 | 22°49 | 8°19 | 28°10 | 10°52 | 10°33 | 18°45 | 1°17 | S 22 |
| S 23 | 22 38 1 | 7°43'47 | 7♑50 | 21°15 | 12°14 | 11°21 | 18°17 | 5°18 | 22°50 | 8°17 | 28° 9 | 10°50 | 10°30 | 18°52 | 1°25 | S 23 |
| M24 | 22 41 58 | 8°42'08 | 21°53 | 22°48 | 13°28 | 11°53 | 18°24 | 5°26 | 22°52 | 8°16 | 28° 9 | 10°46 | 10°27 | 18°58 | 1°34 | M24 |
| T 25 | 22 45 54 | 9°40'30 | 6♒26 | 24°24 | 14°41 | 12°25 | 18°31 | 5°33 | 22°53 | 8°14 | 28° 8 | 10°40 | 10°24 | 19° 5 | 1°42 | T 25 |
| W26 | 22 49 51 | 10°38'54 | 21°23 | 26° 5 | 15°54 | 12°57 | 18°37 | 5°41 | 22°55 | 8°12 | 28° 7 | 10°31 | 10°20 | 19°12 | 1°50 | W26 |
| T 27 | 22 53 47 | 11°37'19 | 6♓38 | 27°48 | 17° 8 | 13°29 | 18°44 | 5°48 | 22°56 | 8°11 | 28° 7 | 10°20 | 10°17 | 19°18 | 1°59 | T 27 |
| F 28 | 22 57 44 | 12°35'47 | 21°59 | 29°33 | 18°21 | 14° 0 | 18°50 | 5°56 | 22°57 | 8° 9 | 28° 6 | 10° 9 | 10°14 | 19°25 | 2° 7 | F 28 |
| S 29 | 23 1 40 | 13°34'16 | 7♈14 | 1♍21 | 19°35 | 14°32 | 18°56 | 6° 3 | 22°58 | 8° 7 | 28° 5 | 9°59 | 10°11 | 19°32 | 2°15 | S 29 |
| S 30 | 23 5 37 | 14°32'47 | 22°14 | 3°10 | 20°48 | 15° 3 | 19° 2 | 6°11 | 22°59 | 8° 6 | 28° 4 | 9°51 | 10° 8 | 19°39 | 2°24 | S 30 |
| M31 | 23 9 33 | 15♍31'21 | 6♉50 | 5♍ 0 | 22♌ 2 | 15♊33 | 19♊ 8 | 6♍18 | 23♊ 1 | 8♓ 4 | 28♈ 4 | 9♐45 | 10♐ 5 | 19♍45 | 2♍32 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 15n58 | 3n49 | 4n53 | 11n58 | 4s28 | 22n15 | 0s21 | 18n52 | 1s 4 | 22n 6 | 0s36 | 12n 8 | 1n39 | 23n24 | 0n 7 | 9s14 | 1s 2 | 4s42 | 16s42 | 22s25 | 22s16 | 0n40 | 7n24 | 5s 0 | S 1 |
| S 2 | 15 40 | 9 13 | 4 22 | 12 21 | 4 18 | 22 10 | 0 18 | 19 0 | 1 3 | 22 7 | 0 36 | 12 5 | 1 39 | 23 24 | 0 7 | 9 15 | 1 2 | 4 43 | 16 42 | 22 24 | 22 15 | 0 37 | 7 21 | 5 0 | S 2 |
| M 3 | 15 22 | 13 58 | 3 36 | 12 45 | 4 7 | 22 3 | 0 15 | 19 9 | 1 2 | 22 8 | 0 36 | 12 3 | 1 39 | 23 24 | 0 7 | 9 15 | 1 2 | 4 43 | 16 42 | 22 23 | 22 15 | 0 35 | 7 18 | 5 0 | M 3 |
| T 4 | 15 4 | 17 49 | 2 38 | 13 10 | 3 55 | 21 56 | 0 12 | 19 18 | 1 2 | 22 9 | 0 36 | 12 0 | 1 39 | 23 25 | 0 7 | 9 16 | 1 2 | 4 44 | 16 43 | 22 23 | 22 14 | 0 32 | 7 16 | 4 59 | T 4 |
| W 5 | 14 46 | 20 34 | 1 32 | 13 34 | 3 41 | 21 49 | 0 9 | 19 26 | 1 1 | 22 10 | 0 36 | 11 57 | 1 39 | 23 25 | 0 7 | 9 16 | 1 2 | 4 44 | 16 43 | 22 23 | 22 14 | 0 30 | 7 13 | 4 59 | W 5 |
| T 6 | 14 28 | 22 8 | 0 23 | 13 58 | 3 25 | 21 41 | 0 6 | 19 34 | 1 0 | 22 11 | 0 36 | 11 55 | 1 39 | 23 25 | 0 7 | 9 17 | 1 2 | 4 44 | 16 43 | 22 23 | 22 14 | 0 27 | 7 10 | 4 59 | T 6 |
| F 7 | 14 9 | 22 28 | 0s45 | 14 22 | 3 9 | 21 32 | 0 3 | 19 42 | 0 59 | 22 12 | 0 36 | 11 52 | 1 39 | 23 25 | 0 7 | 9 18 | 1 2 | 4 45 | 16 44 | 22 23 | 22 13 | 0 25 | 7 8 | 4 59 | F 7 |
| S 8 | 13 50 | 21 39 | 1 50 | 14 44 | 2 52 | 21 23 | 0 0 | 19 50 | 0 58 | 22 13 | 0 36 | 11 49 | 1 39 | 23 25 | 0 7 | 9 18 | 1 2 | 4 45 | 16 44 | 22 23 | 22 13 | 0 22 | 7 5 | 4 59 | S 8 |
| S 9 | 13 31 | 19 46 | 2 48 | 15 5 | 2 34 | 21 12 | 0n 3 | 19 58 | 0 57 | 22 14 | 0 36 | 11 47 | 1 39 | 23 25 | 0 7 | 9 19 | 1 2 | 4 46 | 16 44 | 22 22 | 22 12 | 0 20 | 7 2 | 4 58 | S 9 |
| M10 | 13 11 | 17 1 | 3 37 | 15 24 | 2 16 | 21 2 | 0 6 | 20 6 | 0 56 | 22 15 | 0 36 | 11 44 | 1 39 | 23 25 | 0 7 | 9 19 | 1 2 | 4 46 | 16 44 | 22 21 | 22 12 | 0 17 | 7 0 | 4 58 | M10 |
| T 11 | 12 52 | 13 33 | 4 16 | 15 41 | 1 58 | 20 51 | 0 9 | 20 13 | 0 55 | 22 16 | 0 36 | 11 41 | 1 39 | 23 25 | 0 7 | 9 20 | 1 3 | 4 46 | 16 45 | 22 20 | 22 11 | 0 14 | 6 57 | 4 58 | T 11 |
| W12 | 12 32 | 9 35 | 4 43 | 15 56 | 1 39 | 20 39 | 0 11 | 20 20 | 0 54 | 22 17 | 0 36 | 11 38 | 1 39 | 23 26 | 0 7 | 9 21 | 1 3 | 4 47 | 16 45 | 22 18 | 22 11 | 0 12 | 6 54 | 4 58 | W12 |
| T 13 | 12 12 | 5 17 | 4 58 | 16 9 | 1 21 | 20 26 | 0 14 | 20 27 | 0 53 | 22 18 | 0 36 | 11 36 | 1 39 | 23 26 | 0 7 | 9 21 | 1 3 | 4 47 | 16 45 | 22 17 | 22 10 | 0 9 | 6 51 | 4 58 | T 13 |
| F 14 | 11 52 | 0 48 | 4 59 | 16 19 | 1 3 | 20 13 | 0 17 | 20 34 | 0 52 | 22 18 | 0 36 | 11 33 | 1 39 | 23 26 | 0 7 | 9 22 | 1 3 | 4 48 | 16 46 | 22 15 | 22 10 | 0 7 | 6 49 | 4 57 | F 14 |
| S 15 | 11 31 | 3s41 | 4 48 | 16 26 | 0 46 | 19 59 | 0 20 | 20 41 | 0 51 | 22 19 | 0 36 | 11 30 | 1 39 | 23 26 | 0 7 | 9 22 | 1 3 | 4 48 | 16 46 | 22 13 | 22 10 | 0 4 | 6 46 | 4 57 | S 15 |
| S 16 | 11 11 | 8 2 | 4 24 | 16 30 | 0 29 | 19 45 | 0 23 | 20 48 | 0 50 | 22 20 | 0 36 | 11 28 | 1 39 | 23 26 | 0 7 | 9 23 | 1 3 | 4 49 | 16 46 | 22 12 | 22 9 | 0 2 | 6 43 | 4 57 | S 16 |
| M17 | 10 50 | 12 6 | 3 48 | 16 31 | 0 13 | 19 30 | 0 25 | 20 54 | 0 49 | 22 21 | 0 36 | 11 25 | 1 39 | 23 26 | 0 7 | 9 24 | 1 3 | 4 49 | 16 46 | 22 10 | 22 9 | 0s 1 | 6 40 | 4 57 | M17 |
| T 18 | 10 29 | 15 43 | 3 2 | 16 29 | 0n 2 | 19 15 | 0 28 | 21 1 | 0 48 | 22 21 | 0 36 | 11 22 | 1 39 | 23 26 | 0 7 | 9 24 | 1 3 | 4 49 | 16 47 | 22 10 | 22 8 | 0 3 | 6 38 | 4 57 | T 18 |
| W19 | 10 8 | 18 44 | 2 7 | 16 23 | 0 16 | 18 59 | 0 30 | 21 7 | 0 47 | 22 22 | 0 36 | 11 19 | 1 39 | 23 26 | 0 7 | 9 25 | 1 3 | 4 50 | 16 47 | 22 9 | 22 8 | 0 6 | 6 35 | 4 57 | W19 |
| T 20 | 9 47 | 20 57 | 1 5 | 16 14 | 0 30 | 18 43 | 0 33 | 21 13 | 0 46 | 22 23 | 0 36 | 11 17 | 1 39 | 23 27 | 0 7 | 9 26 | 1 3 | 4 50 | 16 47 | 22 9 | 22 7 | 0 8 | 6 32 | 4 57 | T 20 |
| F 21 | 9 25 | 22 10 | 0n 2 | 16 2 | 0 42 | 18 26 | 0 36 | 21 19 | 0 45 | 22 23 | 0 36 | 11 14 | 1 40 | 23 27 | 0 7 | 9 26 | 1 3 | 4 51 | 16 48 | 22 9 | 22 7 | 0 11 | 6 29 | 4 56 | F 21 |
| S 22 | 9 4 | 22 14 | 1 10 | 15 47 | 0 53 | 18 8 | 0 38 | 21 25 | 0 44 | 22 24 | 0 36 | 11 11 | 1 40 | 23 27 | 0 7 | 9 27 | 1 3 | 4 51 | 16 48 | 22 9 | 22 6 | 0 13 | 6 26 | 4 56 | S 22 |
| S 23 | 8 42 | 21 0 | 2 17 | 15 28 | 1 4 | 17 50 | 0 40 | 21 31 | 0 43 | 22 25 | 0 36 | 11 9 | 1 40 | 23 27 | 0 7 | 9 28 | 1 3 | 4 52 | 16 48 | 22 9 | 22 6 | 0 16 | 6 23 | 4 56 | S 23 |
| M24 | 8 20 | 18 28 | 3 18 | 15 7 | 1 13 | 17 31 | 0 43 | 21 36 | 0 42 | 22 25 | 0 36 | 11 6 | 1 40 | 23 27 | 0 7 | 9 28 | 1 3 | 4 52 | 16 48 | 22 8 | 22 5 | 0 18 | 6 20 | 4 56 | M24 |
| T 25 | 7 58 | 14 43 | 4 9 | 14 42 | 1 21 | 17 12 | 0 45 | 21 41 | 0 41 | 22 26 | 0 36 | 11 3 | 1 40 | 23 27 | 0 7 | 9 29 | 1 3 | 4 53 | 16 49 | 22 7 | 22 5 | 0 21 | 6 18 | 4 56 | T 25 |
| W26 | 7 36 | 9 56 | 4 44 | 14 15 | 1 28 | 16 53 | 0 48 | 21 47 | 0 39 | 22 26 | 0 36 | 11 0 | 1 40 | 23 27 | 0 7 | 9 29 | 1 3 | 4 53 | 16 49 | 22 6 | 22 5 | 0 23 | 6 15 | 4 56 | W26 |
| T 27 | 7 14 | 4 28 | 5 0 | 13 45 | 1 34 | 16 33 | 0 50 | 21 52 | 0 38 | 22 27 | 0 36 | 10 58 | 1 40 | 23 27 | 0 7 | 9 30 | 1 3 | 4 54 | 16 49 | 22 4 | 22 4 | 0 26 | 6 12 | 4 56 | T 27 |
| F 28 | 6 51 | 1n18 | 4 54 | 13 13 | 1 39 | 16 12 | 0 52 | 21 57 | 0 37 | 22 27 | 0 36 | 10 55 | 1 40 | 23 27 | 0 7 | 9 31 | 1 3 | 4 54 | 16 49 | 22 3 | 22 4 | 0 28 | 6 9 | 4 56 | F 28 |
| S 29 | 6 29 | 6 58 | 4 27 | 12 38 | 1 43 | 15 51 | 0 54 | 22 2 | 0 36 | 22 28 | 0 36 | 10 52 | 1 40 | 23 27 | 0 7 | 9 31 | 1 3 | 4 54 | 16 49 | 22 1 | 22 3 | 0 31 | 6 6 | 4 56 | S 29 |
| S 30 | 6 6 | 12 7 | 3 43 | 12 2 | 1 46 | 15 30 | 0 56 | 22 6 | 0 35 | 22 28 | 0 36 | 10 50 | 1 40 | 23 27 | 0 7 | 9 32 | 1 3 | 4 55 | 16 50 | 22 0 | 22 3 | 0 33 | 6 3 | 4 56 | S 30 |
| M31 | 5n44 | 16n26 | 2n44 | 11n23 | 1n48 | 15n 8 | 0n58 | 22n11 | 0s33 | 22n29 | 0s36 | 10n47 | 1n40 | 23n28 | 0n 7 | 9s33 | 1s 3 | 4s55 | 16s50 | 21s59 | 22s 2 | 0s36 | 6n 0 | 4s56 | M31 |

Julian Day Number = 2218010.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'17, Lahiri = 14°56'17 Julian Calendar 1 Aug. 1360 == Greg. Calendar 9 Aug. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## SEPTEMBER 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 13 30 | 16♍29'57 | 20♉58 | 6♍51 | 23♌16 | 16♊ 4 | 19♊13 | 6♍26 | 23♊ 2 | 8°R 2 | 28°R 3 | 9°R42 | 10♐ 1 | 19♍52 | 2♍40 | T 1 |
| W 2 | 23 17 27 | 17°28'35 | 4♊38 | 8°42 | 24°29 | 16°34 | 19°19 | 6°33 | 23° 3 | 8♓ 1 | 28♈ 2 | 9♐42 | 9°58 | 19°59 | 2°49 | W 2 |
| T 3 | 23 21 23 | 18°27'16 | 17°51 | 10°34 | 25°43 | 17° 4 | 19°24 | 6°41 | 23° 4 | 7°59 | 28° 1 | 9°42 | 9°55 | 20° 5 | 2°57 | T 3 |
| F 4 | 23 25 20 | 19°25'58 | 0♋41 | 12°25 | 26°57 | 17°33 | 19°29 | 6°48 | 23° 4 | 7°58 | 28° 0 | 9°41 | 9°52 | 20°12 | 3° 5 | F 4 |
| S 5 | 23 29 16 | 20°24'43 | 13°13 | 14°17 | 28°11 | 18° 2 | 19°34 | 6°56 | 23° 5 | 7°56 | 27°59 | 9°39 | 9°49 | 20°19 | 3°13 | S 5 |
| S 6 | 23 33 13 | 21°23'31 | 25°30 | 16° 8 | 29°25 | 18°31 | 19°38 | 7° 3 | 23° 6 | 7°54 | 27°59 | 9°35 | 9°45 | 20°26 | 3°22 | S 6 |
| M 7 | 23 37 9 | 22°22'20 | 7♌36 | 17°59 | 0♍39 | 19° 0 | 19°43 | 7°10 | 23° 7 | 7°53 | 27°58 | 9°28 | 9°42 | 20°32 | 3°30 | M 7 |
| T 8 | 23 41 6 | 23°21'12 | 19°36 | 19°49 | 1°53 | 19°28 | 19°47 | 7°18 | 23° 7 | 7°51 | 27°57 | 9°18 | 9°39 | 20°39 | 3°38 | T 8 |
| W 9 | 23 45 2 | 24°20'05 | 1♍31 | 21°38 | 3° 7 | 19°56 | 19°52 | 7°25 | 23° 8 | 7°50 | 27°56 | 9° 6 | 9°36 | 20°46 | 3°46 | W 9 |
| T 10 | 23 48 59 | 25°19'01 | 13°23 | 23°27 | 4°21 | 20°24 | 19°56 | 7°32 | 23° 9 | 7°48 | 27°55 | 8°53 | 9°33 | 20°53 | 3°54 | T 10 |
| F 11 | 23 52 56 | 26°17'59 | 25°15 | 25°15 | 5°35 | 20°51 | 19°59 | 7°40 | 23° 9 | 7°46 | 27°54 | 8°39 | 9°30 | 20°59 | 4° 2 | F 11 |
| S 12 | 23 56 52 | 27°16'59 | 7♎ 7 | 27° 2 | 6°50 | 21°18 | 20° 3 | 7°47 | 23°10 | 7°45 | 27°53 | 8°26 | 9°26 | 21° 6 | 4°10 | S 12 |
| S 13 | 0 0 49 | 28°16'01 | 19° 2 | 28°49 | 8° 4 | 21°45 | 20° 7 | 7°54 | 23°10 | 7°43 | 27°52 | 8°15 | 9°23 | 21°13 | 4°18 | S 13 |
| M14 | 0 4 45 | 29°15'05 | 1♏ 0 | 0♎34 | 9°18 | 22°11 | 20°10 | 8° 1 | 23°10 | 7°42 | 27°51 | 8° 7 | 9°20 | 21°19 | 4°26 | M14 |
| T 15 | 0 8 42 | 0♎14'11 | 13° 4 | 2°19 | 10°33 | 22°37 | 20°13 | 8° 8 | 23°11 | 7°40 | 27°50 | 8° 1 | 9°17 | 21°26 | 4°34 | T 15 |
| W16 | 0 12 38 | 1°13'19 | 25°17 | 4° 3 | 11°47 | 23° 2 | 20°16 | 8°16 | 23°11 | 7°39 | 27°49 | 7°58 | 9°14 | 21°33 | 4°42 | W16 |
| T 17 | 0 16 35 | 2°12'29 | 7♐42 | 5°46 | 13° 1 | 23°27 | 20°19 | 8°23 | 23°11 | 7°37 | 27°48 | 7°D58 | 9°11 | 21°40 | 4°50 | T 17 |
| F 18 | 0 20 31 | 3°11'41 | 20°24 | 7°29 | 14°16 | 23°52 | 20°21 | 8°30 | 23°11 | 7°36 | 27°47 | 7°58 | 9° 7 | 21°46 | 4°58 | F 18 |
| S 19 | 0 24 28 | 4°10'54 | 3♑26 | 9°10 | 15°30 | 24°16 | 20°23 | 8°37 | 23°12 | 7°35 | 27°46 | 7°R58 | 9° 4 | 21°53 | 5° 6 | S 19 |
| S 20 | 0 28 25 | 5°10'09 | 16°52 | 10°51 | 16°45 | 24°40 | 20°26 | 8°44 | 23°12 | 7°33 | 27°45 | 7°58 | 9° 1 | 22° 0 | 5°14 | S 20 |
| M21 | 0 32 21 | 6° 9'26 | 0♒45 | 12°31 | 17°59 | 25° 3 | 20°28 | 8°51 | 23°R12 | 7°32 | 27°44 | 7°55 | 8°58 | 22° 6 | 5°21 | M21 |
| T 22 | 0 36 18 | 7° 8'45 | 15° 5 | 14°10 | 19°14 | 25°26 | 20°29 | 8°58 | 23°12 | 7°30 | 27°43 | 7°50 | 8°55 | 22°13 | 5°29 | T 22 |
| W23 | 0 40 14 | 8° 8'06 | 29°51 | 15°48 | 20°29 | 25°49 | 20°31 | 9° 5 | 23°11 | 7°29 | 27°42 | 7°43 | 8°51 | 22°20 | 5°37 | W23 |
| T 24 | 0 44 11 | 9° 7'28 | 14♓56 | 17°26 | 21°43 | 26°11 | 20°32 | 9°12 | 23°11 | 7°28 | 27°41 | 7°35 | 8°48 | 22°27 | 5°44 | T 24 |
| F 25 | 0 48 7 | 10° 6'52 | 0♈12 | 19° 3 | 22°58 | 26°33 | 20°33 | 9°19 | 23°11 | 7°26 | 27°40 | 7°26 | 8°45 | 22°33 | 5°52 | F 25 |
| S 26 | 0 52 4 | 11° 6'18 | 15°27 | 20°39 | 24°13 | 26°54 | 20°34 | 9°25 | 23°11 | 7°25 | 27°39 | 7°18 | 8°42 | 22°40 | 6° 0 | S 26 |
| S 27 | 0 56 0 | 12° 5'47 | 0♉31 | 22°15 | 25°27 | 27°15 | 20°35 | 9°32 | 23°10 | 7°24 | 27°38 | 7°11 | 8°39 | 22°47 | 6° 7 | S 27 |
| M28 | 0 59 57 | 13° 5'17 | 15°15 | 23°49 | 26°42 | 27°35 | 20°36 | 9°39 | 23°10 | 7°22 | 27°37 | 7° 7 | 8°36 | 22°53 | 6°15 | M28 |
| T 29 | 1 3 53 | 14° 4'50 | 29°32 | 25°24 | 27°57 | 27°55 | 20°36 | 9°46 | 23°10 | 7°21 | 27°36 | 7° 5 | 8°32 | 23° 0 | 6°22 | T 29 |
| W30 | 1 7 50 | 15♎ 4'25 | 13♊21 | 26♎57 | 29♍12 | 28♊14 | 20°R36 | 9♍52 | 23♊ 9 | 7♓20 | 27♈34 | 7°D 5 | 8♐29 | 23♍ 7 | 6♍29 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n21 | 19n37 | 1n37 | 10n43 | 1n50 | 14n46 | 1n 0 | 22n15 | 0s32 | 22n29 | 0s36 | 10n44 | 1n40 | 23n28 | 0n 7 | 9s33 | 1s 3 | 4s56 | 16s50 | 21s59 | 22s 2 | 0s38 | 5n57 | 4s56 |
| W 2 | 4 58 | 21 35 | 0 27 | 10 2 | 1 50 | 14 23 | 1 2 | 22 20 | 0 31 | 22 30 | 0 36 | 10 41 | 1 40 | 23 28 | 0 7 | 9 34 | 1 3 | 4 56 | 16 50 | 21 59 | 22 1 | 0 41 | 5 54 | 4 56 |
| T 3 | 4 35 | 22 15 | 0s43 | 9 20 | 1 50 | 14 0 | 1 4 | 22 24 | 0 30 | 22 30 | 0 36 | 10 39 | 1 40 | 23 28 | 0 7 | 9 34 | 1 3 | 4 57 | 16 51 | 21 59 | 22 1 | 0 43 | 5 52 | 4 56 |
| F 4 | 4 12 | 21 43 | 1 49 | 8 36 | 1 49 | 13 36 | 1 6 | 22 28 | 0 28 | 22 31 | 0 36 | 10 36 | 1 41 | 23 28 | 0 7 | 9 35 | 1 3 | 4 57 | 16 51 | 21 59 | 22 0 | 0 46 | 5 49 | 4 56 |
| S 5 | 3 49 | 20 5 | 2 47 | 7 52 | 1 48 | 13 12 | 1 8 | 22 32 | 0 27 | 22 31 | 0 36 | 10 33 | 1 41 | 23 28 | 0 7 | 9 36 | 1 3 | 4 58 | 16 51 | 21 58 | 22 0 | 0 48 | 5 46 | 4 56 |
| S 6 | 3 25 | 17 34 | 3 37 | 7 7 | 1 46 | 12 48 | 1 9 | 22 36 | 0 26 | 22 31 | 0 36 | 10 31 | 1 41 | 23 28 | 0 7 | 9 36 | 1 3 | 4 58 | 16 51 | 21 58 | 21 59 | 0 51 | 5 43 | 4 56 |
| M 7 | 3 2 | 14 18 | 4 16 | 6 21 | 1 43 | 12 23 | 1 11 | 22 40 | 0 24 | 22 32 | 0 36 | 10 28 | 1 41 | 23 28 | 0 7 | 9 37 | 1 3 | 4 59 | 16 51 | 21 57 | 21 59 | 0 53 | 5 40 | 4 56 |
| T 8 | 2 39 | 10 30 | 4 43 | 5 35 | 1 40 | 11 58 | 1 12 | 22 43 | 0 23 | 22 32 | 0 36 | 10 25 | 1 41 | 23 28 | 0 7 | 9 37 | 1 3 | 4 59 | 16 52 | 21 55 | 21 58 | 0 56 | 5 37 | 4 56 |
| W 9 | 2 15 | 6 20 | 4 58 | 4 48 | 1 36 | 11 33 | 1 14 | 22 47 | 0 21 | 22 32 | 0 36 | 10 23 | 1 41 | 23 28 | 0 7 | 9 38 | 1 3 | 5 0 | 16 52 | 21 53 | 21 58 | 0 58 | 5 34 | 4 56 |
| T 10 | 1 52 | 1 56 | 5 0 | 4 1 | 1 32 | 11 7 | 1 15 | 22 51 | 0 20 | 22 33 | 0 36 | 10 20 | 1 41 | 23 28 | 0 7 | 9 39 | 1 3 | 5 0 | 16 52 | 21 51 | 21 58 | 1 0 | 5 31 | 4 56 |
| F 11 | 1 29 | 2s31 | 4 48 | 3 14 | 1 28 | 10 41 | 1 17 | 22 54 | 0 18 | 22 33 | 0 36 | 10 17 | 1 41 | 23 28 | 0 8 | 9 39 | 1 3 | 5 1 | 16 52 | 21 49 | 21 57 | 1 3 | 5 28 | 4 56 |
| S 12 | 1 5 | 6 53 | 4 24 | 2 27 | 1 23 | 10 15 | 1 18 | 22 57 | 0 17 | 22 33 | 0 36 | 10 15 | 1 41 | 23 28 | 0 8 | 9 40 | 1 3 | 5 1 | 16 52 | 21 47 | 21 57 | 1 5 | 5 25 | 4 56 |
| S 13 | 0 41 | 11 0 | 3 49 | 1 40 | 1 18 | 9 48 | 1 19 | 23 0 | 0 15 | 22 33 | 0 36 | 10 12 | 1 42 | 23 28 | 0 8 | 9 40 | 1 3 | 5 2 | 16 52 | 21 45 | 21 56 | 1 8 | 5 22 | 4 56 |
| M14 | 0 18 | 14 43 | 3 3 | 0 53 | 1 13 | 9 21 | 1 20 | 23 4 | 0 14 | 22 34 | 0 36 | 10 10 | 1 42 | 23 28 | 0 8 | 9 41 | 1 3 | 5 2 | 16 53 | 21 44 | 21 56 | 1 10 | 5 19 | 4 56 |
| T 15 | 0s 6 | 17 51 | 2 8 | 0 7 | 1 8 | 8 54 | 1 22 | 23 7 | 0 12 | 22 34 | 0 36 | 10 7 | 1 42 | 23 28 | 0 8 | 9 41 | 1 3 | 5 3 | 16 53 | 21 43 | 21 55 | 1 13 | 5 16 | 4 56 |
| W16 | 0 29 | 20 14 | 1 7 | 0s40 | 1 2 | 8 26 | 1 23 | 23 9 | 0 11 | 22 34 | 0 36 | 10 4 | 1 42 | 23 28 | 0 8 | 9 42 | 1 3 | 5 3 | 16 53 | 21 43 | 21 55 | 1 15 | 5 14 | 4 56 |
| T 17 | 0 53 | 21 42 | 0 1 | 1 27 | 0 56 | 7 59 | 1 24 | 23 12 | 0 9 | 22 34 | 0 36 | 10 2 | 1 42 | 23 28 | 0 8 | 9 43 | 1 3 | 5 4 | 16 53 | 21 43 | 21 54 | 1 18 | 5 11 | 4 56 |
| F 18 | 1 16 | 22 5 | 1n 6 | 2 13 | 0 50 | 7 31 | 1 24 | 23 15 | 0 8 | 22 35 | 0 36 | 9 59 | 1 42 | 23 28 | 0 8 | 9 43 | 1 3 | 5 4 | 16 53 | 21 43 | 21 54 | 1 20 | 5 8 | 4 56 |
| S 19 | 1 40 | 21 17 | 2 11 | 2 59 | 0 44 | 7 3 | 1 25 | 23 18 | 0 6 | 22 35 | 0 36 | 9 57 | 1 42 | 23 28 | 0 8 | 9 44 | 1 3 | 5 4 | 16 53 | 21 43 | 21 53 | 1 23 | 5 5 | 4 56 |
| S 20 | 2 4 | 19 17 | 3 12 | 3 44 | 0 37 | 6 34 | 1 26 | 23 21 | 0 4 | 22 35 | 0 36 | 9 54 | 1 42 | 23 28 | 0 8 | 9 44 | 1 3 | 5 5 | 16 53 | 21 43 | 21 53 | 1 25 | 5 2 | 4 56 |
| M21 | 2 27 | 16 6 | 4 3 | 4 29 | 0 31 | 6 6 | 1 27 | 23 23 | 0 3 | 22 35 | 0 36 | 9 52 | 1 43 | 23 28 | 0 8 | 9 45 | 1 3 | 5 5 | 16 54 | 21 42 | 21 52 | 1 28 | 4 59 | 4 56 |
| T 22 | 2 51 | 11 53 | 4 41 | 5 14 | 0 24 | 5 37 | 1 27 | 23 26 | 0 1 | 22 35 | 0 36 | 9 49 | 1 43 | 23 28 | 0 8 | 9 45 | 1 3 | 5 6 | 16 54 | 21 42 | 21 52 | 1 30 | 4 56 | 4 56 |
| W23 | 3 14 | 6 51 | 5 2 | 5 58 | 0 18 | 5 8 | 1 28 | 23 28 | 0n 1 | 22 35 | 0 36 | 9 47 | 1 43 | 23 28 | 0 8 | 9 46 | 1 3 | 5 6 | 16 54 | 21 40 | 21 51 | 1 33 | 4 53 | 4 56 |
| T 24 | 3 38 | 1 19 | 5 2 | 6 42 | 0 11 | 4 39 | 1 28 | 23 31 | 0 3 | 22 35 | 0 36 | 9 44 | 1 43 | 23 28 | 0 8 | 9 46 | 1 3 | 5 7 | 16 54 | 21 39 | 21 51 | 1 35 | 4 50 | 4 57 |
| F 25 | 4 1 | 4n22 | 4 41 | 7 25 | 0 4 | 4 10 | 1 29 | 23 33 | 0 4 | 22 35 | 0 36 | 9 42 | 1 43 | 23 28 | 0 8 | 9 47 | 1 3 | 5 7 | 16 54 | 21 38 | 21 50 | 1 38 | 4 47 | 4 57 |
| S 26 | 4 25 | 9 48 | 4 0 | 8 8 | 0s 3 | 3 40 | 1 29 | 23 35 | 0 6 | 22 36 | 0 36 | 9 39 | 1 43 | 23 28 | 0 8 | 9 47 | 1 3 | 5 8 | 16 54 | 21 36 | 21 50 | 1 40 | 4 45 | 4 57 |
| S 27 | 4 48 | 14 33 | 3 3 | 8 50 | 0 10 | 3 11 | 1 29 | 23 38 | 0 8 | 22 36 | 0 36 | 9 37 | 1 43 | 23 28 | 0 8 | 9 48 | 1 3 | 5 8 | 16 54 | 21 35 | 21 49 | 1 42 | 4 42 | 4 57 |
| M28 | 5 11 | 18 17 | 1 54 | 9 32 | 0 17 | 2 41 | 1 30 | 23 40 | 0 10 | 22 36 | 0 36 | 9 35 | 1 44 | 23 28 | 0 8 | 9 48 | 1 3 | 5 9 | 16 54 | 21 34 | 21 49 | 1 45 | 4 39 | 4 57 |
| T 29 | 5 34 | 20 47 | 0 40 | 10 13 | 0 23 | 2 11 | 1 30 | 23 42 | 0 12 | 22 36 | 0 36 | 9 32 | 1 44 | 23 28 | 0 8 | 9 49 | 1 3 | 5 9 | 16 54 | 21 34 | 21 48 | 1 47 | 4 36 | 4 57 |
| W30 | 5s57 | 21n55 | 0s34 | 10s54 | 0s30 | 1n42 | 1n30 | 23n44 | 0n14 | 22n36 | 0s36 | 9n30 | 1n44 | 23n28 | 0n 8 | 9s49 | 1s 3 | 5s 9 | 16s54 | 21s34 | 21s48 | 1s50 | 4n33 | 4s57 |

Julian Day Number = 2218041.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'21, Lahiri = 14°56'22 Julian Calendar 1 Sept. 1360 == Greg. Calendar 9 Sept. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## OCTOBER 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 11 47 | 16♎ 4'03 | 26♊41 | 28♎30 | 0♎27 | 28♊33 | 20°R36 | 9♍59 | 23° R 9 | 7°R19 | 27°R33 | 7♐ 6 | 8♐26 | 23♍14 | 6♍37 | T 1 |
| F 2 | 1 15 43 | 17° 3'42 | 9♋36 | 0♏ 2 | 1°42 | 28°51 | 20♊36 | 10° 5 | 23♊ 8 | 7♓17 | 27♈32 | 7° 7 | 8°23 | 23°20 | 6°44 | F 2 |
| S 3 | 1 19 40 | 18° 3'24 | 22°10 | 1°34 | 2°57 | 29° 9 | 20°36 | 10°12 | 23° 8 | 7°16 | 27°31 | 7°R 7 | 8°20 | 23°27 | 6°51 | S 3 |
| S 4 | 1 23 36 | 19° 3'09 | 4♌26 | 3° 5 | 4°12 | 29°26 | 20°35 | 10°18 | 23° 7 | 7°15 | 27°30 | 7° 6 | 8°16 | 23°34 | 6°58 | S 4 |
| M 5 | 1 27 33 | 20° 2'55 | 16°30 | 4°36 | 5°27 | 29°43 | 20°34 | 10°25 | 23° 6 | 7°14 | 27°29 | 7° 2 | 8°13 | 23°41 | 7° 5 | M 5 |
| T 6 | 1 31 29 | 21° 2'44 | 28°27 | 6° 6 | 6°42 | 29°59 | 20°33 | 10°31 | 23° 5 | 7°13 | 27°28 | 6°57 | 8°10 | 23°47 | 7°12 | T 6 |
| W 7 | 1 35 26 | 22° 2'35 | 10♍19 | 7°35 | 7°57 | 0♋14 | 20°32 | 10°37 | 23° 5 | 7°12 | 27°27 | 6°49 | 8° 7 | 23°54 | 7°19 | W 7 |
| T 8 | 1 39 22 | 23° 2'28 | 22°10 | 9° 4 | 9°12 | 0°29 | 20°31 | 10°44 | 23° 4 | 7°11 | 27°26 | 6°41 | 8° 4 | 24° 1 | 7°26 | T 8 |
| F 9 | 1 43 19 | 24° 2'23 | 4♎ 3 | 10°32 | 10°27 | 0°43 | 20°29 | 10°50 | 23° 3 | 7°10 | 27°24 | 6°32 | 8° 1 | 24° 7 | 7°33 | F 9 |
| S 10 | 1 47 16 | 25° 2'20 | 15°59 | 12° 0 | 11°42 | 0°57 | 20°27 | 10°56 | 23° 2 | 7° 9 | 27°23 | 6°24 | 7°57 | 24°14 | 7°40 | S 10 |
| S 11 | 1 51 12 | 26° 2'20 | 28° 1 | 13°26 | 12°57 | 1°10 | 20°25 | 11° 2 | 23° 1 | 7° 8 | 27°22 | 6°18 | 7°54 | 24°21 | 7°47 | S 11 |
| M12 | 1 55 9 | 27° 2'21 | 10♏ 8 | 14°53 | 14°12 | 1°22 | 20°23 | 11° 8 | 23° 0 | 7° 7 | 27°21 | 6°13 | 7°51 | 24°28 | 7°53 | M12 |
| T 13 | 1 59 5 | 28° 2'24 | 22°24 | 16°18 | 15°27 | 1°34 | 20°20 | 11°14 | 22°58 | 7° 6 | 27°20 | 6°10 | 7°48 | 24°34 | 8° 0 | T 13 |
| W14 | 2 3 2 | 29° 2'29 | 4♐49 | 17°43 | 16°43 | 1°45 | 20°18 | 11°20 | 22°57 | 7° 5 | 27°19 | 6°D 9 | 7°45 | 24°41 | 8° 7 | W14 |
| T 15 | 2 6 58 | 0♏ 2'35 | 17°26 | 19° 7 | 17°58 | 1°55 | 20°15 | 11°26 | 22°56 | 7° 4 | 27°18 | 6° 9 | 7°42 | 24°48 | 8°13 | T 15 |
| F 16 | 2 10 55 | 1° 2'44 | 0♑16 | 20°31 | 19°13 | 2° 4 | 20°12 | 11°32 | 22°55 | 7° 4 | 27°16 | 6°11 | 7°38 | 24°54 | 8°19 | F 16 |
| S 17 | 2 14 51 | 2° 2'54 | 13°22 | 21°53 | 20°28 | 2°13 | 20° 9 | 11°37 | 22°53 | 7° 3 | 27°15 | 6°12 | 7°35 | 25° 1 | 8°26 | S 17 |
| S 18 | 2 18 48 | 3° 3'05 | 26°47 | 23°14 | 21°44 | 2°22 | 20° 5 | 11°43 | 22°52 | 7° 2 | 27°14 | 6°R13 | 7°32 | 25° 8 | 8°32 | S 18 |
| M19 | 2 22 45 | 4° 3'18 | 10♒33 | 24°35 | 22°59 | 2°29 | 20° 2 | 11°48 | 22°51 | 7° 1 | 27°13 | 6°13 | 7°29 | 25°15 | 8°38 | M19 |
| T 20 | 2 26 41 | 5° 3'33 | 24°40 | 25°54 | 24°14 | 2°36 | 19°58 | 11°54 | 22°49 | 7° 1 | 27°12 | 6°12 | 7°26 | 25°21 | 8°44 | T 20 |
| W21 | 2 30 38 | 6° 3'49 | 9♓ 7 | 27°12 | 25°30 | 2°42 | 19°54 | 11°59 | 22°48 | 7° 0 | 27°11 | 6° 9 | 7°22 | 25°28 | 8°50 | W21 |
| T 22 | 2 34 34 | 7° 4'06 | 23°50 | 28°29 | 26°45 | 2°47 | 19°50 | 12° 5 | 22°46 | 6°59 | 27°10 | 6° 5 | 7°19 | 25°35 | 8°56 | T 22 |
| F 23 | 2 38 31 | 8° 4'25 | 8♈44 | 29°44 | 28° 0 | 2°51 | 19°45 | 12°10 | 22°45 | 6°59 | 27° 9 | 6° 1 | 7°16 | 25°41 | 9° 2 | F 23 |
| S 24 | 2 42 27 | 9° 4'45 | 23°41 | 0♐58 | 29°15 | 2°55 | 19°41 | 12°15 | 22°43 | 6°58 | 27° 7 | 5°57 | 7°13 | 25°48 | 9° 8 | S 24 |
| S 25 | 2 46 24 | 10° 5'07 | 8♉32 | 2°10 | 0♏31 | 2°58 | 19°36 | 12°20 | 22°41 | 6°57 | 27° 6 | 5°54 | 7°10 | 25°55 | 9°14 | S 25 |
| M26 | 2 50 20 | 11° 5'31 | 23° 9 | 3°19 | 1°46 | 3° 0 | 19°31 | 12°26 | 22°40 | 6°57 | 27° 5 | 5°53 | 7° 7 | 26° 2 | 9°20 | M26 |
| T 27 | 2 54 17 | 12° 5'57 | 7♊26 | 4°26 | 3° 2 | 3° 1 | 19°26 | 12°31 | 22°38 | 6°56 | 27° 4 | 5°D52 | 7° 3 | 26° 8 | 9°25 | T 27 |
| W28 | 2 58 14 | 13° 6'24 | 21°19 | 5°31 | 4°17 | 3°R 1 | 19°21 | 12°35 | 22°36 | 6°56 | 27° 3 | 5°53 | 7° 0 | 26°15 | 9°31 | W28 |
| T 29 | 3 2 10 | 14° 6'53 | 4♋45 | 6°32 | 5°32 | 3° 1 | 19°16 | 12°40 | 22°34 | 6°56 | 27° 2 | 5°54 | 6°57 | 26°22 | 9°36 | T 29 |
| F 30 | 3 6 7 | 15° 7'24 | 17°47 | 7°31 | 6°48 | 3° 0 | 19°10 | 12°45 | 22°32 | 6°55 | 27° 1 | 5°56 | 6°54 | 26°28 | 9°41 | F 30 |
| S 31 | 3 10 3 | 16♏ 7'57 | 0♌26 | 8♐25 | 8♏ 3 | 2♋57 | 19♊ 5 | 12♍50 | 22♊31 | 6♓55 | 27♈ 0 | 5♐57 | 6♐51 | 26♍35 | 9♍47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s20 | 21n45 | 1s44 | 11s33 | 0s37 | 1n12 | 1n30 | 23n46 | 0n16 | 22n36 | 0s36 | 9n27 | 1n44 | 23n28 | 0n 8 | 9s49 | 1s 3 | 5s10 | 16s54 | 21s34 | 21s47 | 1s52 | 4n30 | 4s58 |
| F 2 | 6 43 | 20 25 | 2 46 | 12 13 | 0 44 | 0 42 | 1 30 | 23 48 | 0 18 | 22 36 | 0 36 | 9 25 | 1 44 | 23 28 | 0 8 | 9 50 | 1 3 | 5 10 | 16 54 | 21 34 | 21 47 | 1 55 | 4 28 | 4 58 |
| S 3 | 7 6 | 18 6 | 3 38 | 12 51 | 0 51 | 0 12 | 1 30 | 23 51 | 0 20 | 22 36 | 0 36 | 9 23 | 1 44 | 23 28 | 0 8 | 9 50 | 1 3 | 5 11 | 16 54 | 21 34 | 21 46 | 1 57 | 4 25 | 4 58 |
| S 4 | 7 29 | 15 1 | 4 20 | 13 29 | 0 57 | 0s18 | 1 29 | 23 53 | 0 22 | 22 36 | 0 36 | 9 20 | 1 44 | 23 28 | 0 8 | 9 51 | 1 3 | 5 11 | 16 55 | 21 34 | 21 46 | 2 0 | 4 22 | 4 58 |
| M 5 | 7 52 | 11 21 | 4 49 | 14 6 | 1 4 | 0 48 | 1 29 | 23 55 | 0 24 | 22 36 | 0 36 | 9 18 | 1 45 | 23 28 | 0 8 | 9 51 | 1 3 | 5 12 | 16 55 | 21 34 | 21 45 | 2 2 | 4 19 | 4 58 |
| T 6 | 8 14 | 7 17 | 5 5 | 14 43 | 1 11 | 1 18 | 1 29 | 23 57 | 0 26 | 22 36 | 0 36 | 9 16 | 1 45 | 23 28 | 0 8 | 9 51 | 1 3 | 5 12 | 16 55 | 21 33 | 21 45 | 2 4 | 4 16 | 4 58 |
| W 7 | 8 37 | 2 59 | 5 7 | 15 18 | 1 17 | 1 49 | 1 28 | 23 59 | 0 28 | 22 36 | 0 36 | 9 14 | 1 45 | 23 28 | 0 8 | 9 52 | 1 2 | 5 12 | 16 55 | 21 31 | 21 44 | 2 7 | 4 14 | 4 59 |
| T 8 | 8 59 | 1s26 | 4 57 | 15 53 | 1 23 | 2 19 | 1 28 | 24 1 | 0 30 | 22 35 | 0 35 | 9 11 | 1 45 | 23 28 | 0 8 | 9 52 | 1 2 | 5 13 | 16 55 | 21 30 | 21 44 | 2 9 | 4 11 | 4 59 |
| F 9 | 9 21 | 5 48 | 4 34 | 16 27 | 1 30 | 2 49 | 1 27 | 24 3 | 0 32 | 22 35 | 0 35 | 9 9 | 1 45 | 23 28 | 0 8 | 9 53 | 1 2 | 5 13 | 16 55 | 21 29 | 21 43 | 2 12 | 4 8 | 4 59 |
| S 10 | 9 43 | 9 58 | 3 58 | 17 0 | 1 36 | 3 19 | 1 27 | 24 5 | 0 34 | 22 35 | 0 35 | 9 7 | 1 46 | 23 28 | 0 8 | 9 53 | 1 2 | 5 13 | 16 55 | 21 27 | 21 43 | 2 14 | 4 6 | 4 59 |
| S 11 | 10 5 | 13 47 | 3 12 | 17 32 | 1 42 | 3 49 | 1 26 | 24 7 | 0 36 | 22 35 | 0 35 | 9 5 | 1 46 | 23 28 | 0 8 | 9 53 | 1 2 | 5 14 | 16 55 | 21 26 | 21 42 | 2 17 | 4 3 | 5 0 |
| M12 | 10 27 | 17 4 | 2 17 | 18 4 | 1 47 | 4 19 | 1 25 | 24 10 | 0 39 | 22 35 | 0 35 | 9 3 | 1 46 | 23 28 | 0 8 | 9 54 | 1 2 | 5 14 | 16 55 | 21 25 | 21 42 | 2 19 | 4 0 | 5 0 |
| T 13 | 10 49 | 19 38 | 1 14 | 18 34 | 1 53 | 4 48 | 1 25 | 24 12 | 0 41 | 22 35 | 0 35 | 9 1 | 1 46 | 23 28 | 0 8 | 9 54 | 1 2 | 5 15 | 16 55 | 21 25 | 21 41 | 2 21 | 3 57 | 5 0 |
| W14 | 11 10 | 21 17 | 0 7 | 19 4 | 1 58 | 5 18 | 1 24 | 24 14 | 0 43 | 22 35 | 0 35 | 8 59 | 1 46 | 23 28 | 0 8 | 9 54 | 1 2 | 5 15 | 16 55 | 21 24 | 21 41 | 2 24 | 3 55 | 5 0 |
| T 15 | 11 32 | 21 55 | 1n 1 | 19 32 | 2 3 | 5 48 | 1 23 | 24 16 | 0 46 | 22 34 | 0 35 | 8 56 | 1 46 | 23 28 | 0 8 | 9 55 | 1 2 | 5 15 | 16 55 | 21 25 | 21 40 | 2 26 | 3 52 | 5 0 |
| F 16 | 11 53 | 21 23 | 2 8 | 20 0 | 2 8 | 6 17 | 1 22 | 24 18 | 0 48 | 22 34 | 0 35 | 8 54 | 1 47 | 23 28 | 0 8 | 9 55 | 1 2 | 5 16 | 16 55 | 21 25 | 21 40 | 2 29 | 3 50 | 5 1 |
| S 17 | 12 14 | 19 42 | 3 9 | 20 26 | 2 13 | 6 47 | 1 21 | 24 21 | 0 51 | 22 34 | 0 35 | 8 52 | 1 47 | 23 28 | 0 8 | 9 55 | 1 2 | 5 16 | 16 54 | 21 25 | 21 39 | 2 31 | 3 47 | 5 1 |
| S 18 | 12 34 | 16 55 | 4 2 | 20 52 | 2 17 | 7 16 | 1 20 | 24 23 | 0 53 | 22 34 | 0 35 | 8 50 | 1 47 | 23 28 | 0 8 | 9 55 | 1 2 | 5 16 | 16 54 | 21 25 | 21 39 | 2 34 | 3 44 | 5 1 |
| M19 | 12 55 | 13 7 | 4 42 | 21 16 | 2 22 | 7 45 | 1 19 | 24 25 | 0 55 | 22 34 | 0 35 | 8 49 | 1 47 | 23 28 | 0 8 | 9 56 | 1 2 | 5 17 | 16 54 | 21 25 | 21 38 | 2 36 | 3 42 | 5 1 |
| T 20 | 13 15 | 8 32 | 5 7 | 21 39 | 2 25 | 8 14 | 1 17 | 24 28 | 0 58 | 22 33 | 0 35 | 8 47 | 1 47 | 23 28 | 0 8 | 9 56 | 1 2 | 5 17 | 16 54 | 21 25 | 21 37 | 2 38 | 3 39 | 5 2 |
| W21 | 13 35 | 3 21 | 5 12 | 22 1 | 2 29 | 8 43 | 1 16 | 24 30 | 1 0 | 22 33 | 0 35 | 8 45 | 1 48 | 23 28 | 0 8 | 9 56 | 1 2 | 5 17 | 16 54 | 21 25 | 21 37 | 2 41 | 3 37 | 5 2 |
| T 22 | 13 55 | 2n 6 | 4 58 | 22 21 | 2 32 | 9 11 | 1 15 | 24 33 | 1 3 | 22 33 | 0 35 | 8 43 | 1 48 | 23 28 | 0 8 | 9 56 | 1 2 | 5 18 | 16 54 | 21 24 | 21 36 | 2 43 | 3 34 | 5 2 |
| F 23 | 14 15 | 7 30 | 4 24 | 22 41 | 2 34 | 9 40 | 1 13 | 24 35 | 1 6 | 22 33 | 0 35 | 8 41 | 1 48 | 23 27 | 0 8 | 9 56 | 1 2 | 5 18 | 16 54 | 21 23 | 21 36 | 2 46 | 3 32 | 5 3 |
| S 24 | 14 34 | 12 29 | 3 31 | 22 58 | 2 37 | 10 8 | 1 12 | 24 38 | 1 8 | 22 32 | 0 35 | 8 39 | 1 48 | 23 27 | 0 8 | 9 57 | 1 2 | 5 18 | 16 54 | 21 22 | 21 35 | 2 48 | 3 30 | 5 3 |
| S 25 | 14 53 | 16 41 | 2 25 | 23 15 | 2 38 | 10 36 | 1 10 | 24 40 | 1 11 | 22 32 | 0 35 | 8 37 | 1 48 | 23 27 | 0 8 | 9 57 | 1 2 | 5 19 | 16 54 | 21 22 | 21 35 | 2 50 | 3 27 | 5 3 |
| M26 | 15 12 | 19 45 | 1 9 | 23 30 | 2 39 | 11 3 | 1 9 | 24 43 | 1 14 | 22 32 | 0 35 | 8 36 | 1 49 | 23 27 | 0 8 | 9 57 | 1 2 | 5 19 | 16 54 | 21 22 | 21 34 | 2 53 | 3 25 | 5 3 |
| T 27 | 15 31 | 21 29 | 0s 9 | 23 43 | 2 40 | 11 31 | 1 7 | 24 45 | 1 16 | 22 31 | 0 35 | 8 34 | 1 49 | 23 27 | 0 8 | 9 57 | 1 2 | 5 19 | 16 54 | 21 22 | 21 34 | 2 55 | 3 22 | 5 4 |
| W28 | 15 50 | 21 50 | 1 24 | 23 55 | 2 40 | 11 58 | 1 6 | 24 48 | 1 19 | 22 31 | 0 35 | 8 32 | 1 49 | 23 27 | 0 8 | 9 57 | 1 2 | 5 19 | 16 54 | 21 22 | 21 33 | 2 58 | 3 20 | 5 4 |
| T 29 | 16 8 | 20 54 | 2 33 | 24 5 | 2 39 | 12 24 | 1 4 | 24 51 | 1 22 | 22 31 | 0 35 | 8 31 | 1 49 | 23 27 | 0 8 | 9 57 | 1 2 | 5 20 | 16 53 | 21 22 | 21 33 | 3 0 | 3 18 | 5 4 |
| F 30 | 16 26 | 18 51 | 3 31 | 24 14 | 2 38 | 12 51 | 1 2 | 24 54 | 1 25 | 22 30 | 0 35 | 8 29 | 1 50 | 23 27 | 0 8 | 9 58 | 1 2 | 5 20 | 16 53 | 21 22 | 21 32 | 3 2 | 3 15 | 5 5 |
| S 31 | 16s43 | 15n56 | 4s17 | 24s20 | 2s35 | 13s17 | 1n 0 | 24n57 | 1n27 | 22n30 | 0s35 | 8n27 | 1n50 | 23n27 | 0n 8 | 9s58 | 1s 2 | 5s20 | 16s53 | 21s22 | 21s32 | 3s 5 | 3n13 | 5s 5 |

Julian Day Number = 2218071.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'25, Lahiri = 14°56'26 Julian Calendar 1 Oct. 1360 == Greg. Calendar 9 Oct. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## NOVEMBER 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 14 0 | 17♏ 8'32 | 12♌46 | 9♐15 | 9♏19 | 2°R54 | 18°R59 | 12♍54 | 22°R29 | 6°R55 | 26°R59 | 5°R58 | 6♐48 | 26♍42 | 9♍52 | S 1 |
| M 2 | 3 17 56 | 18° 9'08 | 24°53 | 10° 0 | 10°34 | 2♋51 | 18♊53 | 12°59 | 22♊27 | 6♓54 | 26♈58 | 5♐58 | 6°44 | 26°49 | 9°57 | M 2 |
| T 3 | 3 21 53 | 19° 9'46 | 6♍50 | 10°39 | 11°50 | 2°46 | 18°47 | 13° 3 | 22°25 | 6°54 | 26°57 | 5°57 | 6°41 | 26°55 | 10° 2 | T 3 |
| W 4 | 3 25 49 | 20°10'26 | 18°42 | 11°12 | 13° 5 | 2°40 | 18°40 | 13° 8 | 22°23 | 6°54 | 26°56 | 5°55 | 6°38 | 27° 2 | 10° 7 | W 4 |
| T 5 | 3 29 46 | 21°11'07 | 0♎33 | 11°38 | 14°21 | 2°34 | 18°34 | 13°12 | 22°21 | 6°54 | 26°55 | 5°53 | 6°35 | 27° 9 | 10°12 | T 5 |
| F 6 | 3 33 43 | 22°11'50 | 12°28 | 11°57 | 15°36 | 2°26 | 18°27 | 13°16 | 22°18 | 6°54 | 26°54 | 5°51 | 6°32 | 27°15 | 10°16 | F 6 |
| S 7 | 3 37 39 | 23°12'35 | 24°28 | 12° 7 | 16°51 | 2°18 | 18°21 | 13°20 | 22°16 | 6°53 | 26°53 | 5°49 | 6°28 | 27°22 | 10°21 | S 7 |
| S 8 | 3 41 36 | 24°13'21 | 6♏38 | 12°R 7 | 18° 7 | 2° 9 | 18°14 | 13°24 | 22°14 | 6°53 | 26°52 | 5°47 | 6°25 | 27°29 | 10°25 | S 8 |
| M 9 | 3 45 32 | 25°14'09 | 18°58 | 11°58 | 19°22 | 1°59 | 18° 7 | 13°28 | 22°12 | 6°53 | 26°51 | 5°46 | 6°22 | 27°36 | 10°30 | M 9 |
| T 10 | 3 49 29 | 26°14'57 | 1♐30 | 11°38 | 20°38 | 1°48 | 18° 0 | 13°32 | 22°10 | 6°D53 | 26°50 | 5°D45 | 6°19 | 27°42 | 10°34 | T 10 |
| W11 | 3 53 25 | 27°15'48 | 14°14 | 11° 7 | 21°54 | 1°37 | 17°53 | 13°36 | 22° 8 | 6°53 | 26°49 | 5°45 | 6°16 | 27°49 | 10°38 | W11 |
| T 12 | 3 57 22 | 28°16'39 | 27°11 | 10°26 | 23° 9 | 1°24 | 17°46 | 13°40 | 22° 5 | 6°53 | 26°48 | 5°46 | 6°13 | 27°56 | 10°42 | T 12 |
| F 13 | 4 1 18 | 29°17'31 | 10♑22 | 9°33 | 24°25 | 1°11 | 17°38 | 13°43 | 22° 3 | 6°53 | 26°47 | 5°47 | 6° 9 | 28° 2 | 10°46 | F 13 |
| S 14 | 4 5 15 | 0♐18'25 | 23°45 | 8°31 | 25°40 | 0°57 | 17°31 | 13°47 | 22° 1 | 6°54 | 26°46 | 5°47 | 6° 6 | 28° 9 | 10°50 | S 14 |
| S 15 | 4 9 12 | 1°19'19 | 7♒22 | 7°20 | 26°56 | 0°42 | 17°23 | 13°50 | 21°58 | 6°54 | 26°45 | 5°48 | 6° 3 | 28°16 | 10°54 | S 15 |
| M16 | 4 13 8 | 2°20'14 | 21°11 | 6° 3 | 28°11 | 0°26 | 17°16 | 13°53 | 21°56 | 6°54 | 26°44 | 5°48 | 6° 0 | 28°23 | 10°58 | M16 |
| T 17 | 4 17 5 | 3°21'10 | 5♓12 | 4°41 | 29°27 | 0°10 | 17° 8 | 13°56 | 21°54 | 6°54 | 26°43 | 5°R48 | 5°57 | 28°29 | 11° 2 | T 17 |
| W18 | 4 21 1 | 4°22'06 | 19°25 | 3°18 | 0♐42 | 29♊52 | 17° 0 | 13°59 | 21°51 | 6°54 | 26°42 | 5°48 | 5°54 | 28°36 | 11° 5 | W18 |
| T 19 | 4 24 58 | 5°23'03 | 3♈46 | 1°57 | 1°58 | 29°35 | 16°52 | 14° 2 | 21°49 | 6°55 | 26°42 | 5°D48 | 5°50 | 28°43 | 11° 8 | T 19 |
| F 20 | 4 28 54 | 6°24'01 | 18°12 | 0°39 | 3°13 | 29°16 | 16°44 | 14° 5 | 21°46 | 6°55 | 26°41 | 5°48 | 5°47 | 28°49 | 11°12 | F 20 |
| S 21 | 4 32 51 | 7°25'00 | 2♉40 | 29♏28 | 4°29 | 28°57 | 16°36 | 14° 8 | 21°44 | 6°55 | 26°40 | 5°48 | 5°44 | 28°56 | 11°15 | S 21 |
| S 22 | 4 36 47 | 8°25'59 | 17° 4 | 28°26 | 5°44 | 28°37 | 16°28 | 14°11 | 21°41 | 6°56 | 26°39 | 5°48 | 5°41 | 29° 3 | 11°18 | S 22 |
| M23 | 4 40 44 | 9°26'59 | 1♊19 | 27°33 | 7° 0 | 28°17 | 16°20 | 14°13 | 21°39 | 6°56 | 26°38 | 5°R48 | 5°38 | 29°10 | 11°21 | M23 |
| T 24 | 4 44 41 | 10°28'00 | 15°21 | 26°51 | 8°15 | 27°56 | 16°12 | 14°16 | 21°36 | 6°57 | 26°37 | 5°48 | 5°34 | 29°16 | 11°24 | T 24 |
| W25 | 4 48 37 | 11°29'02 | 29° 5 | 26°21 | 9°31 | 27°35 | 16° 4 | 14°18 | 21°34 | 6°57 | 26°37 | 5°48 | 5°31 | 29°23 | 11°27 | W25 |
| T 26 | 4 52 34 | 12°30'05 | 12♋28 | 26° 1 | 10°46 | 27°13 | 15°56 | 14°21 | 21°31 | 6°58 | 26°36 | 5°47 | 5°28 | 29°30 | 11°29 | T 26 |
| F 27 | 4 56 30 | 13°31'08 | 25°31 | 25°D53 | 12° 2 | 26°51 | 15°48 | 14°23 | 21°29 | 6°58 | 26°35 | 5°46 | 5°25 | 29°36 | 11°32 | F 27 |
| S 28 | 5 0 27 | 14°32'12 | 8♌13 | 25°55 | 13°17 | 26°29 | 15°40 | 14°25 | 21°26 | 6°59 | 26°35 | 5°45 | 5°22 | 29°43 | 11°34 | S 28 |
| S 29 | 5 4 23 | 15°33'17 | 20°37 | 26° 6 | 14°33 | 26° 6 | 15°32 | 14°27 | 21°24 | 7° 0 | 26°34 | 5°44 | 5°19 | 29°50 | 11°36 | S 29 |
| M30 | 5 8 20 | 16♐34'23 | 2♍47 | 26♏26 | 15♐48 | 25♊43 | 15♊23 | 14♍29 | 21♊21 | 7♓ 0 | 26♈33 | 5♐43 | 5♐15 | 29♍57 | 11♍39 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 1 | 12n23 | 4s50 | 24s25 | 2s32 | 13s43 | 0n59 | 24n59 | 1n30 | 22n29 | 0s34 | 8n26 | 1n50 | 23n27 | 0n 8 | 9s58 | 1s 2 | 5s20 | 16s53 | 21s23 | 21s31 | 3s 7 | 3n11 | 5s 5 |
| M 2 | 17 18 | 8 24 | 5 10 | 24 28 | 2 28 | 14 9 | 0 57 | 25 2 | 1 33 | 22 29 | 0 34 | 8 24 | 1 50 | 23 27 | 0 8 | 9 58 | 1 2 | 5 21 | 16 53 | 21 23 | 21 31 | 3 10 | 3 9 | 5 6 |
| T 3 | 17 34 | 4 9 | 5 16 | 24 28 | 2 23 | 14 34 | 0 55 | 25 5 | 1 36 | 22 29 | 0 34 | 8 23 | 1 50 | 23 27 | 0 8 | 9 58 | 1 2 | 5 21 | 16 53 | 21 22 | 21 30 | 3 12 | 3 7 | 5 6 |
| W 4 | 17 51 | 0s14 | 5 8 | 24 27 | 2 16 | 14 59 | 0 53 | 25 8 | 1 39 | 22 28 | 0 34 | 8 21 | 1 51 | 23 26 | 0 8 | 9 58 | 1 2 | 5 21 | 16 53 | 21 22 | 21 29 | 3 14 | 3 4 | 5 6 |
| T 5 | 18 7 | 4 36 | 4 47 | 24 23 | 2 9 | 15 23 | 0 51 | 25 11 | 1 42 | 22 28 | 0 34 | 8 20 | 1 51 | 23 26 | 0 8 | 9 58 | 1 2 | 5 21 | 16 52 | 21 22 | 21 29 | 3 17 | 3 2 | 5 7 |
| F 6 | 18 23 | 8 50 | 4 14 | 24 17 | 2 0 | 15 47 | 0 49 | 25 14 | 1 45 | 22 27 | 0 34 | 8 18 | 1 51 | 23 26 | 0 8 | 9 58 | 1 2 | 5 21 | 16 52 | 21 21 | 21 28 | 3 19 | 3 0 | 5 7 |
| S 7 | 18 38 | 12 45 | 3 29 | 24 8 | 1 49 | 16 11 | 0 47 | 25 18 | 1 47 | 22 27 | 0 34 | 8 17 | 1 51 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 52 | 21 21 | 21 28 | 3 22 | 2 58 | 5 7 |
| S 8 | 18 53 | 16 12 | 2 34 | 23 56 | 1 38 | 16 34 | 0 45 | 25 21 | 1 50 | 22 26 | 0 34 | 8 16 | 1 52 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 52 | 21 21 | 21 27 | 3 24 | 2 56 | 5 8 |
| M 9 | 19 8 | 18 59 | 1 32 | 23 42 | 1 24 | 16 57 | 0 43 | 25 24 | 1 53 | 22 26 | 0 34 | 8 14 | 1 52 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 52 | 21 20 | 21 27 | 3 26 | 2 54 | 5 8 |
| T 10 | 19 23 | 20 55 | 0 24 | 23 24 | 1 9 | 17 19 | 0 41 | 25 27 | 1 56 | 22 25 | 0 34 | 8 13 | 1 52 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 52 | 21 20 | 21 26 | 3 29 | 2 52 | 5 9 |
| W11 | 19 37 | 21 49 | 0n47 | 23 4 | 0 53 | 17 41 | 0 39 | 25 30 | 1 59 | 22 25 | 0 34 | 8 12 | 1 52 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 51 | 21 20 | 21 26 | 3 31 | 2 50 | 5 9 |
| T 12 | 19 51 | 21 33 | 1 56 | 22 40 | 0 35 | 18 2 | 0 36 | 25 33 | 2 2 | 22 24 | 0 34 | 8 11 | 1 53 | 23 26 | 0 8 | 9 58 | 1 2 | 5 22 | 16 51 | 21 20 | 21 25 | 3 33 | 2 48 | 5 9 |
| F 13 | 20 4 | 20 7 | 3 0 | 22 14 | 0 16 | 18 23 | 0 34 | 25 36 | 2 5 | 22 23 | 0 33 | 8 10 | 1 53 | 23 25 | 0 8 | 9 58 | 1 2 | 5 23 | 16 51 | 21 21 | 21 25 | 3 36 | 2 46 | 5 10 |
| S 14 | 20 17 | 17 33 | 3 56 | 21 45 | 0n 3 | 18 44 | 0 32 | 25 39 | 2 8 | 22 23 | 0 33 | 8 8 | 1 53 | 23 25 | 0 9 | 9 58 | 1 2 | 5 23 | 16 51 | 21 21 | 21 24 | 3 38 | 2 45 | 5 10 |
| S 15 | 20 30 | 13 59 | 4 39 | 21 13 | 0 24 | 19 3 | 0 30 | 25 42 | 2 11 | 22 22 | 0 33 | 8 7 | 1 53 | 23 25 | 0 9 | 9 58 | 1 2 | 5 23 | 16 51 | 21 21 | 21 23 | 3 41 | 2 43 | 5 10 |
| M16 | 20 42 | 9 38 | 5 7 | 20 40 | 0 44 | 19 23 | 0 27 | 25 45 | 2 14 | 22 22 | 0 33 | 8 6 | 1 54 | 23 25 | 0 9 | 9 58 | 1 2 | 5 23 | 16 50 | 21 21 | 21 23 | 3 43 | 2 41 | 5 11 |
| T 17 | 20 54 | 4 43 | 5 17 | 20 6 | 1 4 | 19 42 | 0 25 | 25 48 | 2 17 | 22 21 | 0 33 | 8 5 | 1 54 | 23 25 | 0 9 | 9 58 | 1 2 | 5 23 | 16 50 | 21 21 | 21 22 | 3 45 | 2 39 | 5 11 |
| W18 | 21 5 | 0n31 | 5 8 | 19 31 | 1 24 | 20 0 | 0 23 | 25 51 | 2 19 | 22 20 | 0 33 | 8 4 | 1 54 | 23 25 | 0 9 | 9 57 | 1 2 | 5 23 | 16 50 | 21 21 | 21 22 | 3 48 | 2 38 | 5 12 |
| T 19 | 21 16 | 5 47 | 4 40 | 18 58 | 1 41 | 20 18 | 0 20 | 25 54 | 2 22 | 22 20 | 0 33 | 8 4 | 1 54 | 23 25 | 0 9 | 9 57 | 1 2 | 5 23 | 16 50 | 21 21 | 21 21 | 3 50 | 2 36 | 5 12 |
| F 20 | 21 27 | 10 46 | 3 55 | 18 26 | 1 58 | 20 35 | 0 18 | 25 56 | 2 25 | 22 19 | 0 33 | 8 3 | 1 55 | 23 24 | 0 9 | 9 57 | 1 1 | 5 23 | 16 49 | 21 21 | 21 21 | 3 52 | 2 34 | 5 12 |
| S 21 | 21 37 | 15 9 | 2 54 | 17 58 | 2 12 | 20 51 | 0 16 | 25 59 | 2 28 | 22 18 | 0 33 | 8 2 | 1 55 | 23 24 | 0 9 | 9 57 | 1 1 | 5 23 | 16 49 | 21 21 | 21 20 | 3 55 | 2 33 | 5 13 |
| S 22 | 21 47 | 18 37 | 1 42 | 17 33 | 2 24 | 21 7 | 0 13 | 26 1 | 2 31 | 22 18 | 0 32 | 8 1 | 1 55 | 23 24 | 0 9 | 9 57 | 1 1 | 5 23 | 16 49 | 21 21 | 21 20 | 3 57 | 2 31 | 5 13 |
| M23 | 21 57 | 20 54 | 0 25 | 17 12 | 2 33 | 21 22 | 0 11 | 26 4 | 2 33 | 22 17 | 0 32 | 8 0 | 1 55 | 23 24 | 0 9 | 9 57 | 1 1 | 5 23 | 16 49 | 21 21 | 21 19 | 3 59 | 2 30 | 5 14 |
| T 24 | 22 6 | 21 50 | 0s53 | 16 55 | 2 40 | 21 37 | 0 9 | 26 6 | 2 36 | 22 16 | 0 32 | 8 0 | 1 56 | 23 24 | 0 9 | 9 56 | 1 1 | 5 23 | 16 48 | 21 21 | 21 18 | 4 2 | 2 28 | 5 14 |
| W25 | 22 14 | 21 25 | 2 6 | 16 43 | 2 46 | 21 51 | 0 6 | 26 8 | 2 38 | 22 16 | 0 32 | 7 59 | 1 56 | 23 24 | 0 9 | 9 56 | 1 1 | 5 23 | 16 48 | 21 21 | 21 18 | 4 4 | 2 27 | 5 14 |
| T 26 | 22 22 | 19 47 | 3 10 | 16 35 | 2 49 | 22 4 | 0 4 | 26 10 | 2 41 | 22 15 | 0 32 | 7 58 | 1 56 | 23 24 | 0 9 | 9 56 | 1 1 | 5 23 | 16 48 | 21 21 | 21 17 | 4 7 | 2 26 | 5 15 |
| F 27 | 22 30 | 17 9 | 4 2 | 16 32 | 2 50 | 22 17 | 0 1 | 26 12 | 2 43 | 22 14 | 0 32 | 7 58 | 1 57 | 23 23 | 0 9 | 9 56 | 1 1 | 5 23 | 16 48 | 21 21 | 21 17 | 4 9 | 2 24 | 5 15 |
| S 28 | 22 37 | 13 45 | 4 41 | 16 33 | 2 50 | 22 29 | 0s 1 | 26 14 | 2 46 | 22 13 | 0 32 | 7 57 | 1 57 | 23 23 | 0 9 | 9 55 | 1 1 | 5 23 | 16 47 | 21 20 | 21 16 | 4 11 | 2 23 | 5 16 |
| S 29 | 22 44 | 9 50 | 5 6 | 16 37 | 2 49 | 22 41 | 0 3 | 26 16 | 2 48 | 22 13 | 0 31 | 7 57 | 1 57 | 23 23 | 0 9 | 9 55 | 1 1 | 5 23 | 16 47 | 21 20 | 21 16 | 4 14 | 2 22 | 5 16 |
| M30 | 22s50 | 5n36 | 5s16 | 16s44 | 2n46 | 22s51 | 0s 6 | 26n17 | 2n50 | 22n12 | 0s31 | 7n56 | 1n57 | 23n23 | 0n 9 | 9s55 | 1s 1 | 5s23 | 16s47 | 21s20 | 21s15 | 4s16 | 2n20 | 5s17 |

Julian Day Number = 2218102.5, Delta T = 08m53s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'30, Lahiri = 14°56'30 Julian Calendar 1 Nov. 1360 == Greg. Calendar 9 Nov. 1360


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# ASTRODIENST EPHEMERIS for the year 1360
# geocentric

## DECEMBER 1360 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 12 16 | 17♐35'30 | 14♍46 | 26♏54 | 17♐ 4 | 25°R19 | 15°R15 | 14♍30 | 21°R19 | 7♓ 1 | 26°R32 | 5°D43 | 5♐12 | 0♎ 3 | 11♍41 | T 1 |
| W 2 | 5 16 13 | 18°36'38 | 26°38 | 27°29 | 18°19 | 24♊56 | 15♊ 7 | 14°32 | 21♊16 | 7° 2 | 26♈32 | 5♐43 | 5° 9 | 0°10 | 11°43 | W 2 |
| T 3 | 5 20 10 | 19°37'46 | 8♎30 | 28°10 | 19°35 | 24°32 | 14°59 | 14°34 | 21°13 | 7° 3 | 26°31 | 5°44 | 5° 6 | 0°17 | 11°45 | T 3 |
| F 4 | 5 24 6 | 20°38'55 | 20°25 | 28°57 | 20°51 | 24° 8 | 14°51 | 14°35 | 21°11 | 7° 3 | 26°31 | 5°45 | 5° 3 | 0°23 | 11°46 | F 4 |
| S 5 | 5 28 3 | 21°40'05 | 2♏28 | 29°49 | 22° 6 | 23°44 | 14°43 | 14°36 | 21° 8 | 7° 4 | 26°30 | 5°46 | 4°59 | 0°30 | 11°48 | S 5 |
| S 6 | 5 31 59 | 22°41'15 | 14°43 | 0♐46 | 23°22 | 23°20 | 14°35 | 14°37 | 21° 6 | 7° 5 | 26°29 | 5°48 | 4°56 | 0°37 | 11°49 | S 6 |
| M 7 | 5 35 56 | 23°42'26 | 27°13 | 1°46 | 24°37 | 22°57 | 14°27 | 14°39 | 21° 3 | 7° 6 | 26°29 | 5°49 | 4°53 | 0°43 | 11°51 | M 7 |
| T 8 | 5 39 52 | 24°43'38 | 10♐ 0 | 2°50 | 25°53 | 22°33 | 14°19 | 14°40 | 21° 1 | 7° 7 | 26°28 | 5°R49 | 4°50 | 0°50 | 11°52 | T 8 |
| W 9 | 5 43 49 | 25°44'50 | 23° 4 | 3°56 | 27° 8 | 22° 9 | 14°11 | 14°40 | 20°58 | 7° 8 | 26°28 | 5°48 | 4°47 | 0°57 | 11°53 | W 9 |
| T 10 | 5 47 46 | 26°46'02 | 6♑26 | 5° 6 | 28°24 | 21°46 | 14° 3 | 14°41 | 20°55 | 7° 9 | 26°27 | 5°46 | 4°44 | 1° 4 | 11°54 | T 10 |
| F 11 | 5 51 42 | 27°47'14 | 20° 4 | 6°18 | 29°39 | 21°23 | 13°56 | 14°42 | 20°53 | 7°10 | 26°27 | 5°43 | 4°40 | 1°10 | 11°55 | F 11 |
| S 12 | 5 55 39 | 28°48'26 | 3♒55 | 7°31 | 0♑55 | 21° 1 | 13°48 | 14°42 | 20°50 | 7°11 | 26°26 | 5°40 | 4°37 | 1°17 | 11°56 | S 12 |
| S 13 | 5 59 35 | 29°49'38 | 17°56 | 8°47 | 2°10 | 20°38 | 13°40 | 14°43 | 20°48 | 7°12 | 26°26 | 5°36 | 4°34 | 1°24 | 11°56 | S 13 |
| M14 | 6 3 32 | 0♑50'50 | 2♓ 3 | 10° 4 | 3°26 | 20°16 | 13°33 | 14°43 | 20°45 | 7°13 | 26°26 | 5°33 | 4°31 | 1°30 | 11°57 | M14 |
| T 15 | 6 7 28 | 1°52'02 | 16°13 | 11°23 | 4°41 | 19°55 | 13°25 | 14°43 | 20°43 | 7°15 | 26°25 | 5°31 | 4°28 | 1°37 | 11°57 | T 15 |
| W16 | 6 11 25 | 2°53'13 | 0♈24 | 12°43 | 5°57 | 19°34 | 13°18 | 14°44 | 20°40 | 7°16 | 26°25 | 5°D30 | 4°25 | 1°44 | 11°58 | W16 |
| T 17 | 6 15 21 | 3°54'24 | 14°33 | 14° 5 | 7°12 | 19°13 | 13°11 | 14°R44 | 20°38 | 7°17 | 26°24 | 5°30 | 4°21 | 1°51 | 11°58 | T 17 |
| F 18 | 6 19 18 | 4°55'35 | 28°39 | 15°27 | 8°28 | 18°54 | 13° 4 | 14°43 | 20°35 | 7°18 | 26°24 | 5°32 | 4°18 | 1°57 | 11°R58 | F 18 |
| S 19 | 6 23 15 | 5°56'45 | 12♉40 | 16°50 | 9°43 | 18°34 | 12°57 | 14°43 | 20°33 | 7°19 | 26°24 | 5°33 | 4°15 | 2° 4 | 11°58 | S 19 |
| S 20 | 6 27 11 | 6°57'55 | 26°34 | 18°14 | 10°59 | 18°16 | 12°50 | 14°43 | 20°30 | 7°21 | 26°24 | 5°34 | 4°12 | 2°11 | 11°58 | S 20 |
| M21 | 6 31 8 | 7°59'05 | 10♊20 | 19°39 | 12°14 | 17°58 | 12°43 | 14°42 | 20°28 | 7°22 | 26°23 | 5°R35 | 4° 9 | 2°17 | 11°57 | M21 |
| T 22 | 6 35 4 | 9° 0'14 | 23°56 | 21° 5 | 13°29 | 17°40 | 12°37 | 14°42 | 20°26 | 7°23 | 26°23 | 5°33 | 4° 6 | 2°24 | 11°57 | T 22 |
| W23 | 6 39 1 | 10° 1'23 | 7♋19 | 22°32 | 14°45 | 17°23 | 12°30 | 14°41 | 20°23 | 7°25 | 26°23 | 5°30 | 4° 2 | 2°31 | 11°57 | W23 |
| T 24 | 6 42 57 | 11° 2'31 | 20°29 | 23°59 | 16° 0 | 17° 8 | 12°24 | 14°41 | 20°21 | 7°26 | 26°23 | 5°25 | 3°59 | 2°38 | 11°56 | T 24 |
| F 25 | 6 46 54 | 12° 3'39 | 3♌23 | 25°27 | 17°16 | 16°52 | 12°18 | 14°40 | 20°18 | 7°28 | 26°22 | 5°19 | 3°56 | 2°44 | 11°55 | F 25 |
| S 26 | 6 50 50 | 13° 4'47 | 16° 1 | 26°55 | 18°31 | 16°38 | 12°12 | 14°39 | 20°16 | 7°29 | 26°22 | 5°12 | 3°53 | 2°51 | 11°54 | S 26 |
| S 27 | 6 54 47 | 14° 5'55 | 28°24 | 28°24 | 19°46 | 16°24 | 12° 6 | 14°38 | 20°14 | 7°31 | 26°22 | 5° 5 | 3°50 | 2°58 | 11°53 | S 27 |
| M28 | 6 58 44 | 15° 7'02 | 10♍33 | 29°54 | 21° 2 | 16°11 | 12° 0 | 14°36 | 20°12 | 7°32 | 26°22 | 4°59 | 3°46 | 3° 4 | 11°52 | M28 |
| T 29 | 7 2 40 | 16° 8'09 | 22°32 | 1♑24 | 22°17 | 15°59 | 11°54 | 14°35 | 20° 9 | 7°34 | 26°22 | 4°54 | 3°43 | 3°11 | 11°51 | T 29 |
| W30 | 7 6 37 | 17° 9'16 | 4♎25 | 2°55 | 23°33 | 15°47 | 11°49 | 14°34 | 20° 7 | 7°35 | 26°22 | 4°51 | 3°40 | 3°18 | 11°50 | W30 |
| T 31 | 7 10 33 | 18♑10'22 | 16♎16 | 4♑26 | 24♑48 | 15♊37 | 11♊44 | 14♍32 | 20♊ 5 | 7♓37 | 26♈22 | 4°D50 | 3♐37 | 3♎24 | 11♍48 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 1n13 | 5s13 | 16s54 | 2n42 | 23s 2 | 0s 8 | 26n19 | 2n53 | 22n11 | 0s31 | 7n56 | 1n58 | 23n23 | 0n 9 | 9s55 | 1s 1 | 5s23 | 16s47 | 21s20 | 21s14 | 4s18 | 2n19 | 5s17 |
| W 2 | 23 2 | 3s11 | 4 56 | 17 7 | 2 37 | 23 11 | 0 11 | 26 20 | 2 55 | 22 10 | 0 31 | 7 55 | 1 58 | 23 23 | 0 9 | 9 54 | 1 1 | 5 23 | 16 46 | 21 20 | 21 14 | 4 21 | 2 18 | 5 17 |
| T 3 | 23 7 | 7 28 | 4 27 | 17 21 | 2 32 | 23 20 | 0 13 | 26 21 | 2 57 | 22 10 | 0 31 | 7 55 | 1 58 | 23 22 | 0 9 | 9 54 | 1 1 | 5 23 | 16 46 | 21 20 | 21 13 | 4 23 | 2 17 | 5 18 |
| F 4 | 23 11 | 11 29 | 3 45 | 17 38 | 2 26 | 23 27 | 0 15 | 26 22 | 2 59 | 22 9 | 0 31 | 7 55 | 1 58 | 23 22 | 0 9 | 9 54 | 1 1 | 5 23 | 16 46 | 21 20 | 21 13 | 4 25 | 2 16 | 5 18 |
| S 5 | 23 15 | 15 6 | 2 54 | 17 55 | 2 19 | 23 35 | 0 18 | 26 23 | 3 1 | 22 8 | 0 31 | 7 54 | 1 59 | 23 22 | 0 9 | 9 53 | 1 1 | 5 23 | 16 45 | 21 21 | 21 12 | 4 28 | 2 15 | 5 19 |
| S 6 | 23 19 | 18 7 | 1 54 | 18 14 | 2 12 | 23 41 | 0 20 | 26 23 | 3 2 | 22 7 | 0 30 | 7 54 | 1 59 | 23 22 | 0 9 | 9 53 | 1 1 | 5 23 | 16 45 | 21 21 | 21 12 | 4 30 | 2 14 | 5 19 |
| M 7 | 23 22 | 20 22 | 0 47 | 18 33 | 2 5 | 23 47 | 0 22 | 26 24 | 3 4 | 22 7 | 0 30 | 7 54 | 1 59 | 23 22 | 0 9 | 9 53 | 1 1 | 5 23 | 16 45 | 21 21 | 21 11 | 4 32 | 2 13 | 5 19 |
| T 8 | 23 25 | 21 39 | 0n23 | 18 53 | 1 57 | 23 52 | 0 25 | 26 24 | 3 6 | 22 6 | 0 30 | 7 54 | 2 0 | 23 22 | 0 9 | 9 52 | 1 1 | 5 23 | 16 44 | 21 21 | 21 10 | 4 35 | 2 12 | 5 20 |
| W 9 | 23 27 | 21 47 | 1 34 | 19 13 | 1 49 | 23 56 | 0 27 | 26 24 | 3 7 | 22 5 | 0 30 | 7 54 | 2 0 | 23 21 | 0 9 | 9 52 | 1 1 | 5 23 | 16 44 | 21 21 | 21 10 | 4 37 | 2 12 | 5 20 |
| T 10 | 23 29 | 20 41 | 2 41 | 19 34 | 1 41 | 24 0 | 0 29 | 26 24 | 3 9 | 22 4 | 0 30 | 7 54 | 2 0 | 23 21 | 0 9 | 9 52 | 1 1 | 5 22 | 16 44 | 21 20 | 21 9 | 4 39 | 2 11 | 5 21 |
| F 11 | 23 30 | 18 23 | 3 40 | 19 54 | 1 33 | 24 3 | 0 31 | 26 24 | 3 10 | 22 4 | 0 30 | 7 54 | 2 0 | 23 21 | 0 9 | 9 51 | 1 1 | 5 22 | 16 43 | 21 20 | 21 9 | 4 41 | 2 10 | 5 21 |
| S 12 | 23 31 | 15 1 | 4 27 | 20 15 | 1 25 | 24 5 | 0 34 | 26 24 | 3 11 | 22 3 | 0 29 | 7 54 | 2 1 | 23 21 | 0 9 | 9 51 | 1 1 | 5 22 | 16 43 | 21 19 | 21 8 | 4 44 | 2 9 | 5 21 |
| S 13 | 23 31 | 10 46 | 4 59 | 20 35 | 1 17 | 24 6 | 0 36 | 26 23 | 3 12 | 22 2 | 0 29 | 7 54 | 2 1 | 23 21 | 0 9 | 9 50 | 1 1 | 5 22 | 16 43 | 21 19 | 21 8 | 4 46 | 2 9 | 5 22 |
| M14 | 23 31 | 5 54 | 5 13 | 20 55 | 1 8 | 24 7 | 0 38 | 26 23 | 3 14 | 22 1 | 0 29 | 7 54 | 2 1 | 23 21 | 0 9 | 9 50 | 1 1 | 5 22 | 16 42 | 21 18 | 21 7 | 4 48 | 2 8 | 5 22 |
| T 15 | 23 30 | 0 43 | 5 8 | 21 14 | 1 0 | 24 6 | 0 40 | 26 22 | 3 15 | 22 1 | 0 29 | 7 54 | 2 1 | 23 20 | 0 9 | 9 49 | 1 1 | 5 22 | 16 42 | 21 18 | 21 6 | 4 51 | 2 8 | 5 23 |
| W16 | 23 29 | 4n31 | 4 45 | 21 33 | 0 52 | 24 5 | 0 42 | 26 21 | 3 15 | 22 0 | 0 29 | 7 54 | 2 2 | 23 20 | 0 9 | 9 49 | 1 1 | 5 21 | 16 42 | 21 18 | 21 6 | 4 53 | 2 7 | 5 23 |
| T 17 | 23 28 | 9 30 | 4 4 | 21 51 | 0 44 | 24 4 | 0 44 | 26 20 | 3 16 | 21 59 | 0 29 | 7 55 | 2 2 | 23 20 | 0 9 | 9 48 | 1 1 | 5 21 | 16 41 | 21 18 | 21 5 | 4 55 | 2 7 | 5 23 |
| F 18 | 23 26 | 13 58 | 3 9 | 22 8 | 0 36 | 24 1 | 0 46 | 26 20 | 3 17 | 21 58 | 0 28 | 7 55 | 2 2 | 23 20 | 0 9 | 9 48 | 1 1 | 5 21 | 16 41 | 21 18 | 21 5 | 4 58 | 2 6 | 5 24 |
| S 19 | 23 23 | 17 38 | 2 2 | 22 25 | 0 28 | 23 58 | 0 48 | 26 18 | 3 18 | 21 58 | 0 28 | 7 55 | 2 3 | 23 20 | 0 9 | 9 47 | 1 1 | 5 21 | 16 41 | 21 18 | 21 4 | 5 0 | 2 6 | 5 24 |
| S 20 | 23 20 | 20 15 | 0 49 | 22 40 | 0 20 | 23 54 | 0 50 | 26 17 | 3 18 | 21 57 | 0 28 | 7 56 | 2 3 | 23 20 | 0 9 | 9 47 | 1 1 | 5 21 | 16 40 | 21 18 | 21 3 | 5 2 | 2 6 | 5 25 |
| M21 | 23 17 | 21 39 | 0s26 | 22 55 | 0 12 | 23 49 | 0 52 | 26 16 | 3 19 | 21 56 | 0 28 | 7 56 | 2 3 | 23 19 | 0 9 | 9 46 | 1 1 | 5 20 | 16 40 | 21 18 | 21 3 | 5 5 | 2 5 | 5 25 |
| T 22 | 23 13 | 21 44 | 1 39 | 23 9 | 0 4 | 23 44 | 0 54 | 26 15 | 3 19 | 21 56 | 0 28 | 7 56 | 2 3 | 23 19 | 0 9 | 9 46 | 1 1 | 5 20 | 16 40 | 21 18 | 21 2 | 5 7 | 2 5 | 5 25 |
| W23 | 23 8 | 20 35 | 2 44 | 23 22 | 0s 3 | 23 38 | 0 56 | 26 14 | 3 19 | 21 55 | 0 27 | 7 57 | 2 4 | 23 19 | 0 9 | 9 45 | 1 1 | 5 20 | 16 39 | 21 18 | 21 2 | 5 9 | 2 5 | 5 26 |
| T 24 | 23 4 | 18 19 | 3 40 | 23 34 | 0 11 | 23 31 | 0 58 | 26 12 | 3 20 | 21 54 | 0 27 | 7 57 | 2 4 | 23 19 | 0 9 | 9 45 | 1 1 | 5 20 | 16 39 | 21 17 | 21 1 | 5 11 | 2 5 | 5 26 |
| F 25 | 22 58 | 15 12 | 4 24 | 23 45 | 0 18 | 23 23 | 1 0 | 26 11 | 3 20 | 21 54 | 0 27 | 7 58 | 2 4 | 23 19 | 0 9 | 9 44 | 1 1 | 5 19 | 16 39 | 21 16 | 21 0 | 5 14 | 2 5 | 5 27 |
| S 26 | 22 53 | 11 26 | 4 53 | 23 54 | 0 25 | 23 15 | 1 2 | 26 10 | 3 20 | 21 53 | 0 27 | 7 59 | 2 4 | 23 19 | 0 9 | 9 44 | 1 1 | 5 19 | 16 38 | 21 14 | 21 0 | 5 16 | 2 5 | 5 27 |
| S 27 | 22 46 | 7 15 | 5 8 | 24 3 | 0 32 | 23 6 | 1 3 | 26 8 | 3 20 | 21 53 | 0 27 | 7 59 | 2 5 | 23 18 | 0 9 | 9 43 | 1 1 | 5 19 | 16 38 | 21 13 | 20 59 | 5 18 | 2 5 | 5 27 |
| M28 | 22 40 | 2 53 | 5 8 | 24 10 | 0 39 | 22 56 | 1 5 | 26 7 | 3 20 | 21 52 | 0 27 | 8 0 | 2 5 | 23 18 | 0 9 | 9 42 | 1 1 | 5 19 | 16 38 | 21 12 | 20 59 | 5 21 | 2 5 | 5 28 |
| T 29 | 22 33 | 1s33 | 4 55 | 24 16 | 0 45 | 22 46 | 1 7 | 26 5 | 3 20 | 21 52 | 0 26 | 8 1 | 2 5 | 23 18 | 0 9 | 9 42 | 1 1 | 5 18 | 16 37 | 21 11 | 20 58 | 5 23 | 2 5 | 5 28 |
| W30 | 22 25 | 5 53 | 4 30 | 24 21 | 0 52 | 22 35 | 1 8 | 26 4 | 3 20 | 21 51 | 0 26 | 8 2 | 2 5 | 23 18 | 0 9 | 9 41 | 1 1 | 5 18 | 16 37 | 21 11 | 20 57 | 5 25 | 2 5 | 5 28 |
| T 31 | 22s17 | 10s 0 | 3s53 | 24s25 | 0s58 | 22s23 | 1s10 | 26n 3 | 3n19 | 21n50 | 0s26 | 8n 2 | 2n 6 | 23n18 | 0n 9 | 9s41 | 1s 1 | 5s18 | 16s37 | 21s10 | 20s57 | 5s27 | 2n 6 | 5s29 |

Julian Day Number = 2218132.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'34, Lahiri = 14°56'34 Julian Calendar 1 Dec. 1360 == Greg. Calendar 9 Dec. 1360


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## JANUARY 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 14 30 | 19♉11'28 | 28♎ 9 | 5♉58 | 26♉ 3 | 15°R27 | 11°R39 | 14°R31 | 20°R 3 | 7♓39 | 26°R22 | 4♐50 | 3♐34 | 3♎31 | 11°R47 | F 1 |
| S 2 | 7 18 26 | 20°12'34 | 10♏11 | 7°31 | 27°19 | 15♊18 | 11♊34 | 14♍29 | 20♊ 1 | 7°40 | 26°D22 | 4°52 | 3°31 | 3°38 | 11♍45 | S 2 |
| S 3 | 7 22 23 | 21°13'39 | 22°27 | 9° 4 | 28°34 | 15°10 | 11°29 | 14°27 | 19°58 | 7°42 | 26♈22 | 4°53 | 3°27 | 3°45 | 11°43 | S 3 |
| M 4 | 7 26 19 | 22°14'44 | 5♐ 0 | 10°38 | 29°49 | 15° 2 | 11°24 | 14°25 | 19°56 | 7°44 | 26°22 | 4°R54 | 3°24 | 3°51 | 11°41 | M 4 |
| T 5 | 7 30 16 | 23°15'48 | 17°54 | 12°12 | 1♒ 5 | 14°56 | 11°20 | 14°23 | 19°54 | 7°45 | 26°22 | 4°53 | 3°21 | 3°58 | 11°39 | T 5 |
| W 6 | 7 34 13 | 24°16'52 | 1♑12 | 13°47 | 2°20 | 14°50 | 11°16 | 14°21 | 19°52 | 7°47 | 26°22 | 4°50 | 3°18 | 4° 5 | 11°37 | W 6 |
| T 7 | 7 38 9 | 25°17'55 | 14°54 | 15°22 | 3°35 | 14°45 | 11°12 | 14°19 | 19°50 | 7°49 | 26°22 | 4°44 | 3°15 | 4°11 | 11°35 | T 7 |
| F 8 | 7 42 6 | 26°18'57 | 28°57 | 16°58 | 4°51 | 14°41 | 11° 8 | 14°16 | 19°48 | 7°51 | 26°22 | 4°37 | 3°11 | 4°18 | 11°33 | F 8 |
| S 9 | 7 46 2 | 27°19'59 | 13♒17 | 18°35 | 6° 6 | 14°38 | 11° 4 | 14°14 | 19°47 | 7°53 | 26°22 | 4°28 | 3° 8 | 4°25 | 11°31 | S 9 |
| S 10 | 7 49 59 | 28°20'59 | 27°48 | 20°12 | 7°21 | 14°35 | 11° 1 | 14°12 | 19°45 | 7°54 | 26°23 | 4°19 | 3° 5 | 4°32 | 11°28 | S 10 |
| M11 | 7 53 55 | 29°21'58 | 12♓23 | 21°50 | 8°36 | 14°33 | 10°58 | 14° 9 | 19°43 | 7°56 | 26°23 | 4°11 | 3° 2 | 4°38 | 11°25 | M11 |
| T 12 | 7 57 52 | 0♒22'56 | 26°54 | 23°28 | 9°52 | 14°33 | 10°54 | 14° 6 | 19°41 | 7°58 | 26°23 | 4° 4 | 2°59 | 4°45 | 11°23 | T 12 |
| W13 | 8 1 48 | 1°23'52 | 11♈18 | 25° 8 | 11° 7 | 14°D32 | 10°52 | 14° 3 | 19°39 | 8° 0 | 26°23 | 4° 0 | 2°56 | 4°52 | 11°20 | W13 |
| T 14 | 8 5 45 | 2°24'47 | 25°31 | 26°48 | 12°22 | 14°33 | 10°49 | 14° 1 | 19°38 | 8° 2 | 26°24 | 3°58 | 2°52 | 4°58 | 11°17 | T 14 |
| F 15 | 8 9 42 | 3°25'41 | 9♉30 | 28°28 | 13°37 | 14°34 | 10°46 | 13°58 | 19°36 | 8° 4 | 26°24 | 3°D58 | 2°49 | 5° 5 | 11°14 | F 15 |
| S 16 | 8 13 38 | 4°26'34 | 23°16 | 0♒10 | 14°52 | 14°36 | 10°44 | 13°55 | 19°34 | 8° 6 | 26°24 | 3°59 | 2°46 | 5°12 | 11°11 | S 16 |
| S 17 | 8 17 35 | 5°27'25 | 6♊49 | 1°52 | 16° 8 | 14°39 | 10°42 | 13°51 | 19°33 | 8° 8 | 26°24 | 3°R59 | 2°43 | 5°18 | 11° 8 | S 17 |
| M18 | 8 21 31 | 6°28'14 | 20°11 | 3°35 | 17°23 | 14°43 | 10°40 | 13°48 | 19°31 | 8°10 | 26°25 | 3°58 | 2°40 | 5°25 | 11° 5 | M18 |
| T 19 | 8 25 28 | 7°29'02 | 3♋22 | 5°18 | 18°38 | 14°47 | 10°38 | 13°45 | 19°30 | 8°12 | 26°25 | 3°54 | 2°37 | 5°32 | 11° 1 | T 19 |
| W20 | 8 29 24 | 8°29'49 | 16°21 | 7° 3 | 19°53 | 14°52 | 10°37 | 13°42 | 19°28 | 8°14 | 26°26 | 3°48 | 2°33 | 5°39 | 10°58 | W20 |
| T 21 | 8 33 21 | 9°30'34 | 29°10 | 8°48 | 21° 8 | 14°58 | 10°36 | 13°38 | 19°27 | 8°16 | 26°26 | 3°39 | 2°30 | 5°45 | 10°54 | T 21 |
| F 22 | 8 37 17 | 10°31'18 | 11♌48 | 10°34 | 22°23 | 15° 4 | 10°35 | 13°35 | 19°26 | 8°18 | 26°26 | 3°27 | 2°27 | 5°52 | 10°51 | F 22 |
| S 23 | 8 41 14 | 11°32'00 | 24°15 | 12°20 | 23°38 | 15°11 | 10°34 | 13°31 | 19°24 | 8°20 | 26°27 | 3°14 | 2°24 | 5°59 | 10°47 | S 23 |
| S 24 | 8 45 11 | 12°32'42 | 6♍30 | 14° 8 | 24°53 | 15°18 | 10°33 | 13°27 | 19°23 | 8°22 | 26°27 | 3° 1 | 2°21 | 6° 5 | 10°43 | S 24 |
| M25 | 8 49 7 | 13°33'21 | 18°36 | 15°56 | 26° 8 | 15°26 | 10°33 | 13°24 | 19°22 | 8°24 | 26°28 | 2°49 | 2°17 | 6°12 | 10°40 | M25 |
| T 26 | 8 53 4 | 14°34'00 | 0♎33 | 17°45 | 27°23 | 15°35 | 10°32 | 13°20 | 19°21 | 8°26 | 26°28 | 2°39 | 2°14 | 6°19 | 10°36 | T 26 |
| W27 | 8 57 0 | 15°34'37 | 12°24 | 19°34 | 28°38 | 15°45 | 10°D32 | 13°16 | 19°19 | 8°29 | 26°29 | 2°32 | 2°11 | 6°25 | 10°32 | W27 |
| T 28 | 9 0 57 | 16°35'13 | 24°13 | 21°24 | 29°53 | 15°55 | 10°32 | 13°12 | 19°18 | 8°31 | 26°29 | 2°27 | 2° 8 | 6°32 | 10°28 | T 28 |
| F 29 | 9 4 53 | 17°35'48 | 6♏ 5 | 23°15 | 1♓ 8 | 16° 5 | 10°33 | 13° 8 | 19°17 | 8°33 | 26°30 | 2°24 | 2° 5 | 6°39 | 10°24 | F 29 |
| S 30 | 9 8 50 | 18°36'21 | 18° 4 | 25° 6 | 2°23 | 16°16 | 10°33 | 13° 4 | 19°16 | 8°35 | 26°31 | 2°D24 | 2° 2 | 6°46 | 10°20 | S 30 |
| S 31 | 9 12 46 | 19♒36'54 | 0♐16 | 26♒57 | 3♓38 | 16♊28 | 10♊34 | 13♍ 0 | 19♊15 | 8♓37 | 26♈31 | 2°R24 | 1♐58 | 6♎52 | 10♍15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s 9 | 13s44 | 3s 6 | 24s27 | 1s 4 | 22s10 | 1s11 | 26n 1 | 3n19 | 21n50 | 0s26 | 8n 3 | 2n 6 | 23n18 | 0n 9 | 9s40 | 1s 1 | 5s17 | 16s36 | 21s10 | 20s56 | 5s30 | 2n 6 | 5s29 | F 1 |
| S 2 | 22 0 | 16 58 | 2 10 | 24 28 | 1 10 | 21 57 | 1 12 | 26 0 | 3 19 | 21 50 | 0 26 | 8 4 | 2 6 | 23 18 | 0 9 | 9 39 | 1 1 | 5 17 | 16 36 | 21 11 | 20 56 | 5 32 | 2 6 | 5 29 | S 2 |
| S 3 | 21 50 | 19 31 | 1 7 | 24 27 | 1 15 | 21 43 | 1 14 | 25 59 | 3 18 | 21 49 | 0 25 | 8 5 | 2 7 | 23 17 | 0 9 | 9 39 | 1 0 | 5 17 | 16 35 | 21 11 | 20 55 | 5 34 | 2 7 | 5 30 | S 3 |
| M 4 | 21 41 | 21 12 | 0n 1 | 24 26 | 1 20 | 21 29 | 1 15 | 25 58 | 3 18 | 21 49 | 0 25 | 8 6 | 2 7 | 23 17 | 0 9 | 9 38 | 1 0 | 5 16 | 16 35 | 21 11 | 20 54 | 5 36 | 2 7 | 5 30 | M 4 |
| T 5 | 21 31 | 21 49 | 1 10 | 24 23 | 1 25 | 21 14 | 1 16 | 25 56 | 3 18 | 21 48 | 0 25 | 8 7 | 2 7 | 23 17 | 0 9 | 9 37 | 1 0 | 5 16 | 16 35 | 21 11 | 20 54 | 5 39 | 2 8 | 5 30 | T 5 |
| W 6 | 21 20 | 21 14 | 2 17 | 24 18 | 1 30 | 20 58 | 1 18 | 25 55 | 3 17 | 21 48 | 0 25 | 8 8 | 2 7 | 23 17 | 0 9 | 9 37 | 1 0 | 5 16 | 16 34 | 21 10 | 20 53 | 5 41 | 2 8 | 5 30 | W 6 |
| T 7 | 21 9 | 19 24 | 3 18 | 24 12 | 1 35 | 20 42 | 1 19 | 25 54 | 3 17 | 21 47 | 0 25 | 8 9 | 2 8 | 23 17 | 0 9 | 9 36 | 1 0 | 5 15 | 16 34 | 21 9 | 20 53 | 5 43 | 2 9 | 5 31 | T 7 |
| F 8 | 20 58 | 16 23 | 4 9 | 24 4 | 1 39 | 20 25 | 1 20 | 25 53 | 3 16 | 21 47 | 0 24 | 8 10 | 2 8 | 23 17 | 0 9 | 9 35 | 1 0 | 5 15 | 16 34 | 21 8 | 20 52 | 5 45 | 2 9 | 5 31 | F 8 |
| S 9 | 20 46 | 12 20 | 4 45 | 23 55 | 1 43 | 20 7 | 1 21 | 25 52 | 3 15 | 21 47 | 0 24 | 8 12 | 2 8 | 23 17 | 0 9 | 9 35 | 1 0 | 5 14 | 16 33 | 21 6 | 20 51 | 5 48 | 2 10 | 5 31 | S 9 |
| S 10 | 20 34 | 7 32 | 5 4 | 23 45 | 1 46 | 19 49 | 1 22 | 25 51 | 3 15 | 21 47 | 0 24 | 8 13 | 2 8 | 23 16 | 0 9 | 9 34 | 1 0 | 5 14 | 16 33 | 21 5 | 20 51 | 5 50 | 2 11 | 5 32 | S 10 |
| M11 | 20 21 | 2 17 | 5 2 | 23 33 | 1 50 | 19 30 | 1 23 | 25 50 | 3 14 | 21 46 | 0 24 | 8 14 | 2 9 | 23 16 | 0 9 | 9 33 | 1 0 | 5 14 | 16 33 | 21 3 | 20 50 | 5 52 | 2 11 | 5 32 | M11 |
| T 12 | 20 8 | 3n 4 | 4 42 | 23 19 | 1 53 | 19 11 | 1 24 | 25 49 | 3 13 | 21 46 | 0 24 | 8 15 | 2 9 | 23 16 | 0 9 | 9 33 | 1 0 | 5 13 | 16 32 | 21 2 | 20 50 | 5 54 | 2 12 | 5 32 | T 12 |
| W13 | 19 55 | 8 13 | 4 4 | 23 4 | 1 55 | 18 51 | 1 24 | 25 49 | 3 13 | 21 46 | 0 23 | 8 17 | 2 9 | 23 16 | 0 9 | 9 32 | 1 0 | 5 13 | 16 32 | 21 1 | 20 49 | 5 57 | 2 13 | 5 32 | W13 |
| T 14 | 19 41 | 12 51 | 3 11 | 22 48 | 1 58 | 18 31 | 1 25 | 25 48 | 3 12 | 21 46 | 0 23 | 8 18 | 2 9 | 23 16 | 0 9 | 9 31 | 1 0 | 5 12 | 16 32 | 21 1 | 20 48 | 5 59 | 2 14 | 5 32 | T 14 |
| F 15 | 19 27 | 16 43 | 2 7 | 22 30 | 2 0 | 18 10 | 1 26 | 25 47 | 3 11 | 21 46 | 0 23 | 8 19 | 2 9 | 23 16 | 0 9 | 9 30 | 1 0 | 5 12 | 16 31 | 21 1 | 20 48 | 6 1 | 2 15 | 5 33 | F 15 |
| S 16 | 19 13 | 19 34 | 0 57 | 22 10 | 2 1 | 17 48 | 1 26 | 25 47 | 3 10 | 21 45 | 0 23 | 8 21 | 2 10 | 23 16 | 0 9 | 9 30 | 1 0 | 5 12 | 16 31 | 21 1 | 20 47 | 6 3 | 2 16 | 5 33 | S 16 |
| S 17 | 18 58 | 21 16 | 0s15 | 21 48 | 2 3 | 17 26 | 1 27 | 25 46 | 3 9 | 21 45 | 0 23 | 8 22 | 2 10 | 23 15 | 0 9 | 9 29 | 1 0 | 5 11 | 16 30 | 21 1 | 20 46 | 6 6 | 2 17 | 5 33 | S 17 |
| M18 | 18 43 | 21 44 | 1 25 | 21 25 | 2 4 | 17 4 | 1 27 | 25 46 | 3 9 | 21 45 | 0 22 | 8 23 | 2 10 | 23 15 | 0 9 | 9 28 | 1 0 | 5 11 | 16 30 | 21 1 | 20 46 | 6 8 | 2 18 | 5 33 | M18 |
| T 19 | 18 28 | 20 59 | 2 30 | 21 1 | 2 4 | 16 41 | 1 28 | 25 45 | 3 8 | 21 45 | 0 22 | 8 25 | 2 10 | 23 15 | 0 9 | 9 27 | 1 0 | 5 10 | 16 30 | 21 0 | 20 45 | 6 10 | 2 19 | 5 33 | T 19 |
| W20 | 18 12 | 19 7 | 3 25 | 20 34 | 2 4 | 16 18 | 1 28 | 25 45 | 3 7 | 21 45 | 0 22 | 8 26 | 2 11 | 23 15 | 0 9 | 9 27 | 1 0 | 5 10 | 16 29 | 20 59 | 20 45 | 6 12 | 2 20 | 5 34 | W20 |
| T 21 | 17 56 | 16 19 | 4 10 | 20 7 | 2 4 | 15 54 | 1 29 | 25 45 | 3 6 | 21 45 | 0 22 | 8 28 | 2 11 | 23 15 | 0 9 | 9 26 | 1 0 | 5 9 | 16 29 | 20 57 | 20 44 | 6 15 | 2 21 | 5 34 | T 21 |
| F 22 | 17 40 | 12 49 | 4 41 | 19 37 | 2 3 | 15 30 | 1 29 | 25 45 | 3 5 | 21 45 | 0 22 | 8 30 | 2 11 | 23 15 | 0 9 | 9 25 | 1 0 | 5 9 | 16 29 | 20 55 | 20 43 | 6 17 | 2 22 | 5 34 | F 22 |
| S 23 | 17 23 | 8 48 | 4 58 | 19 6 | 2 1 | 15 5 | 1 29 | 25 45 | 3 4 | 21 45 | 0 21 | 8 31 | 2 11 | 23 15 | 0 9 | 9 24 | 1 0 | 5 8 | 16 28 | 20 53 | 20 43 | 6 19 | 2 24 | 5 34 | S 23 |
| S 24 | 17 6 | 4 29 | 5 1 | 18 33 | 2 0 | 14 40 | 1 29 | 25 45 | 3 3 | 21 45 | 0 21 | 8 33 | 2 11 | 23 15 | 0 9 | 9 23 | 1 0 | 5 8 | 16 28 | 20 50 | 20 42 | 6 21 | 2 25 | 5 34 | S 24 |
| M25 | 16 49 | 0 4 | 4 50 | 17 59 | 1 57 | 14 15 | 1 29 | 25 44 | 3 2 | 21 45 | 0 21 | 8 34 | 2 12 | 23 15 | 0 9 | 9 23 | 1 0 | 5 7 | 16 28 | 20 48 | 20 41 | 6 23 | 2 26 | 5 34 | M25 |
| T 26 | 16 31 | 4s18 | 4 27 | 17 23 | 1 54 | 13 49 | 1 29 | 25 45 | 3 1 | 21 46 | 0 21 | 8 36 | 2 12 | 23 15 | 0 9 | 9 22 | 1 0 | 5 7 | 16 27 | 20 46 | 20 41 | 6 26 | 2 28 | 5 34 | T 26 |
| W27 | 16 13 | 8 29 | 3 52 | 16 45 | 1 51 | 13 23 | 1 29 | 25 45 | 3 0 | 21 46 | 0 21 | 8 38 | 2 12 | 23 14 | 0 9 | 9 21 | 1 0 | 5 6 | 16 27 | 20 44 | 20 40 | 6 28 | 2 29 | 5 34 | W27 |
| T 28 | 15 55 | 12 20 | 3 8 | 16 6 | 1 47 | 12 56 | 1 29 | 25 45 | 2 59 | 21 46 | 0 20 | 8 39 | 2 12 | 23 14 | 0 9 | 9 20 | 1 0 | 5 6 | 16 27 | 20 43 | 20 40 | 6 30 | 2 30 | 5 35 | T 28 |
| F 29 | 15 37 | 15 43 | 2 15 | 15 26 | 1 42 | 12 29 | 1 29 | 25 45 | 2 58 | 21 46 | 0 20 | 8 41 | 2 12 | 23 14 | 0 9 | 9 19 | 1 0 | 5 5 | 16 26 | 20 43 | 20 39 | 6 32 | 2 32 | 5 35 | F 29 |
| S 30 | 15 18 | 18 29 | 1 15 | 14 44 | 1 37 | 12 2 | 1 28 | 25 45 | 2 57 | 21 47 | 0 20 | 8 43 | 2 12 | 23 14 | 0 9 | 9 19 | 1 0 | 5 5 | 16 26 | 20 43 | 20 38 | 6 35 | 2 33 | 5 35 | S 30 |
| S 31 | 14s59 | 20s28 | 0s11 | 14s 0 | 1s31 | 11s34 | 1s28 | 25n45 | 2n56 | 21n47 | 0s20 | 8n45 | 2n13 | 23n14 | 0n 9 | 9s18 | 1s 0 | 5s 4 | 16s26 | 20s43 | 20s38 | 6s37 | 2n35 | 5s35 | S 31 |

Julian Day Number = 2218163.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'38, Lahiri = 14°56'38 Julian Calendar 1 Jan. 1361 == Greg. Calendar 9 Jan. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## FEBRUARY 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 16 43 | 20♒37'25 | 12♐47 | 28♒49 | 4♓53 | 16♊40 | 10♊35 | 12°R56 | 19°R15 | 8♓39 | 26♈32 | 2°R24 | 1♐55 | 6♎59 | 10°R11 | M 1 |
| T 2 | 9 20 40 | 21°37'54 | 25°40 | 0♓40 | 6° 8 | 16°53 | 10°36 | 12♍51 | 19♊14 | 8°42 | 26°33 | 2♐22 | 1°52 | 7° 6 | 10♍ 7 | T 2 |
| W 3 | 9 24 36 | 22°38'23 | 9♑ 1 | 2°31 | 7°22 | 17° 6 | 10°37 | 12°47 | 19°13 | 8°44 | 26°33 | 2°17 | 1°49 | 7°12 | 10° 3 | W 3 |
| T 4 | 9 28 33 | 23°38'50 | 22°50 | 4°22 | 8°37 | 17°20 | 10°39 | 12°43 | 19°12 | 8°46 | 26°34 | 2°10 | 1°46 | 7°19 | 9°58 | T 4 |
| F 5 | 9 32 29 | 24°39'15 | 7♒ 6 | 6°13 | 9°52 | 17°34 | 10°41 | 12°38 | 19°12 | 8°48 | 26°35 | 2° 1 | 1°43 | 7°26 | 9°54 | F 5 |
| S 6 | 9 36 26 | 25°39'39 | 21°46 | 8° 2 | 11° 7 | 17°49 | 10°42 | 12°34 | 19°11 | 8°50 | 26°35 | 1°49 | 1°39 | 7°32 | 9°49 | S 6 |
| S 7 | 9 40 22 | 26°40'00 | 6♓41 | 9°50 | 12°21 | 18° 4 | 10°45 | 12°30 | 19°10 | 8°53 | 26°36 | 1°37 | 1°36 | 7°39 | 9°45 | S 7 |
| M 8 | 9 44 19 | 27°40'21 | 21°42 | 11°36 | 13°36 | 18°20 | 10°47 | 12°25 | 19°10 | 8°55 | 26°37 | 1°26 | 1°33 | 7°46 | 9°40 | M 8 |
| T 9 | 9 48 15 | 28°40'39 | 6♈39 | 13°20 | 14°51 | 18°36 | 10°49 | 12°20 | 19° 9 | 8°57 | 26°38 | 1°17 | 1°30 | 7°53 | 9°36 | T 9 |
| W10 | 9 52 12 | 29°40'55 | 21°25 | 15° 1 | 16° 6 | 18°53 | 10°52 | 12°16 | 19° 9 | 8°59 | 26°39 | 1°11 | 1°27 | 7°59 | 9°31 | W10 |
| T 11 | 9 56 9 | 0♓41'09 | 5♉53 | 16°40 | 17°20 | 19°10 | 10°55 | 12°11 | 19° 9 | 9° 2 | 26°39 | 1° 7 | 1°23 | 8° 6 | 9°26 | T 11 |
| F 12 | 10 0 5 | 1°41'21 | 20° 0 | 18°14 | 18°35 | 19°28 | 10°58 | 12° 7 | 19° 8 | 9° 4 | 26°40 | 1° 6 | 1°20 | 8°13 | 9°22 | F 12 |
| S 13 | 10 4 2 | 2°41'31 | 3♊46 | 19°44 | 19°49 | 19°46 | 11° 1 | 12° 2 | 19° 8 | 9° 6 | 26°41 | 1° 6 | 1°17 | 8°19 | 9°17 | S 13 |
| S 14 | 10 7 58 | 3°41'39 | 17°12 | 21°10 | 21° 4 | 20° 4 | 11° 5 | 11°57 | 19° 8 | 9° 8 | 26°42 | 1° 5 | 1°14 | 8°26 | 9°12 | S 14 |
| M15 | 10 11 55 | 4°41'45 | 0♋21 | 22°29 | 22°18 | 20°23 | 11° 8 | 11°53 | 19° 8 | 9°11 | 26°43 | 1° 4 | 1°11 | 8°33 | 9° 8 | M15 |
| T 16 | 10 15 51 | 5°41'48 | 13°15 | 23°43 | 23°33 | 20°42 | 11°12 | 11°48 | 19° 8 | 9°13 | 26°44 | 0°59 | 1° 8 | 8°39 | 9° 3 | T 16 |
| W17 | 10 19 48 | 6°41'50 | 25°56 | 24°50 | 24°47 | 21° 1 | 11°16 | 11°43 | 19°D 8 | 9°15 | 26°45 | 0°52 | 1° 4 | 8°46 | 8°58 | W17 |
| T 18 | 10 23 44 | 7°41'49 | 8♌27 | 25°51 | 26° 2 | 21°21 | 11°20 | 11°39 | 19° 8 | 9°17 | 26°46 | 0°42 | 1° 1 | 8°53 | 8°53 | T 18 |
| F 19 | 10 27 41 | 8°41'46 | 20°48 | 26°43 | 27°16 | 21°41 | 11°25 | 11°34 | 19° 8 | 9°20 | 26°47 | 0°29 | 0°58 | 8°59 | 8°49 | F 19 |
| S 20 | 10 31 38 | 9°41'42 | 3♍ 1 | 27°28 | 28°31 | 22° 2 | 11°29 | 11°29 | 19° 8 | 9°22 | 26°48 | 0°15 | 0°55 | 9° 6 | 8°44 | S 20 |
| S 21 | 10 35 34 | 10°41'35 | 15° 7 | 28° 5 | 29°45 | 22°23 | 11°34 | 11°24 | 19° 8 | 9°24 | 26°49 | 0° 1 | 0°52 | 9°13 | 8°39 | S 21 |
| M22 | 10 39 31 | 11°41'26 | 27° 5 | 28°33 | 0♈59 | 22°44 | 11°39 | 11°19 | 19° 8 | 9°27 | 26°50 | 29♏48 | 0°49 | 9°20 | 8°34 | M22 |
| T 23 | 10 43 27 | 12°41'15 | 8♎59 | 28°52 | 2°13 | 23° 5 | 11°44 | 11°15 | 19° 9 | 9°29 | 26°51 | 29°37 | 0°45 | 9°26 | 8°30 | T 23 |
| W24 | 10 47 24 | 13°41'02 | 20°48 | 29° 2 | 3°28 | 23°27 | 11°49 | 11°10 | 19° 9 | 9°31 | 26°52 | 29°28 | 0°42 | 9°33 | 8°25 | W24 |
| T 25 | 10 51 20 | 14°40'48 | 2♏37 | 29°R 4 | 4°42 | 23°49 | 11°54 | 11° 5 | 19° 9 | 9°33 | 26°53 | 29°22 | 0°39 | 9°40 | 8°20 | T 25 |
| F 26 | 10 55 17 | 15°40'32 | 14°29 | 28°58 | 5°56 | 24°12 | 12° 0 | 11° 0 | 19°10 | 9°36 | 26°54 | 29°19 | 0°36 | 9°46 | 8°15 | F 26 |
| S 27 | 10 59 13 | 16°40'14 | 26°27 | 28°43 | 7°10 | 24°35 | 12° 6 | 10°56 | 19°10 | 9°38 | 26°55 | 29°D18 | 0°33 | 9°53 | 8°11 | S 27 |
| S 28 | 11 3 10 | 17♓39'54 | 8♐37 | 28♓21 | 8♈24 | 24♊58 | 12♊12 | 10♍51 | 19♊11 | 9♓40 | 26♈56 | 29♏18 | 0♐29 | 10♎ 0 | 8♍ 6 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s40 | 21s30 | 0n55 | 13s15 | 1s25 | 11s 7 | 1s27 | 25n46 | 2n56 | 21n47 | 0s20 | 8n46 | 2n13 | 23n14 | 0n 9 | 9s17 | 1s 0 | 5s 4 | 16s25 | 20s43 | 20s37 | 6s39 | 2n37 | 5s35 |
| T 2 | 14 21 | 21 27 | 2 0 | 12 29 | 1 18 | 10 38 | 1 27 | 25 46 | 2 55 | 21 47 | 0 19 | 8 48 | 2 13 | 23 14 | 0 9 | 9 16 | 1 0 | 5 3 | 16 25 | 20 42 | 20 36 | 6 41 | 2 38 | 5 35 |
| W 3 | 14 1 | 20 12 | 3 1 | 11 42 | 1 10 | 10 10 | 1 26 | 25 46 | 2 54 | 21 48 | 0 19 | 8 50 | 2 13 | 23 14 | 0 9 | 9 15 | 1 0 | 5 3 | 16 25 | 20 41 | 20 36 | 6 43 | 2 40 | 5 35 |
| T 4 | 13 41 | 17 45 | 3 53 | 10 54 | 1 2 | 9 41 | 1 26 | 25 47 | 2 53 | 21 48 | 0 19 | 8 52 | 2 13 | 23 14 | 0 9 | 9 14 | 1 0 | 5 2 | 16 24 | 20 40 | 20 35 | 6 46 | 2 41 | 5 35 |
| F 5 | 13 21 | 14 9 | 4 33 | 10 5 | 0 53 | 9 12 | 1 25 | 25 47 | 2 52 | 21 49 | 0 19 | 8 53 | 2 13 | 23 14 | 0 9 | 9 14 | 1 0 | 5 2 | 16 24 | 20 38 | 20 34 | 6 48 | 2 43 | 5 35 |
| S 6 | 13 1 | 9 38 | 4 56 | 9 15 | 0 43 | 8 43 | 1 24 | 25 48 | 2 51 | 21 49 | 0 19 | 8 55 | 2 14 | 23 14 | 0 9 | 9 13 | 1 0 | 5 1 | 16 24 | 20 36 | 20 34 | 6 50 | 2 45 | 5 35 |
| S 7 | 12 40 | 4 27 | 4 59 | 8 25 | 0 32 | 8 14 | 1 23 | 25 48 | 2 50 | 21 50 | 0 19 | 8 57 | 2 14 | 23 14 | 0 9 | 9 12 | 1 0 | 5 0 | 16 23 | 20 33 | 20 33 | 6 52 | 2 47 | 5 34 |
| M 8 | 12 19 | 1n 1 | 4 42 | 7 34 | 0 21 | 7 44 | 1 22 | 25 48 | 2 49 | 21 50 | 0 18 | 8 59 | 2 14 | 23 14 | 0 9 | 9 11 | 1 0 | 5 0 | 16 23 | 20 31 | 20 33 | 6 54 | 2 48 | 5 34 |
| T 9 | 11 58 | 6 24 | 4 6 | 6 43 | 0 10 | 7 14 | 1 22 | 25 49 | 2 48 | 21 51 | 0 18 | 9 1 | 2 14 | 23 14 | 0 9 | 9 10 | 1 0 | 4 59 | 16 23 | 20 29 | 20 32 | 6 56 | 2 50 | 5 34 |
| W10 | 11 37 | 11 21 | 3 13 | 5 53 | 0n 2 | 6 44 | 1 20 | 25 49 | 2 47 | 21 51 | 0 18 | 9 3 | 2 14 | 23 14 | 0 9 | 9 9 | 1 0 | 4 59 | 16 23 | 20 28 | 20 31 | 6 59 | 2 52 | 5 34 |
| T 11 | 11 16 | 15 33 | 2 9 | 5 3 | 0 15 | 6 14 | 1 19 | 25 50 | 2 46 | 21 52 | 0 18 | 9 5 | 2 14 | 23 14 | 0 9 | 9 9 | 1 0 | 4 58 | 16 22 | 20 27 | 20 31 | 7 1 | 2 54 | 5 34 |
| F 12 | 10 55 | 18 44 | 0 58 | 4 14 | 0 28 | 5 44 | 1 18 | 25 50 | 2 45 | 21 52 | 0 18 | 9 7 | 2 14 | 23 14 | 0 9 | 9 8 | 1 0 | 4 58 | 16 22 | 20 27 | 20 30 | 7 3 | 2 56 | 5 34 |
| S 13 | 10 33 | 20 45 | 0s14 | 3 26 | 0 42 | 5 13 | 1 17 | 25 51 | 2 44 | 21 53 | 0 17 | 9 8 | 2 14 | 23 14 | 0 9 | 9 7 | 1 0 | 4 57 | 16 22 | 20 27 | 20 29 | 7 5 | 2 57 | 5 34 |
| S 14 | 10 11 | 21 31 | 1 24 | 2 40 | 0 56 | 4 43 | 1 16 | 25 51 | 2 43 | 21 54 | 0 17 | 9 10 | 2 15 | 23 14 | 0 9 | 9 6 | 1 0 | 4 57 | 16 21 | 20 27 | 20 29 | 7 7 | 2 59 | 5 34 |
| M15 | 9 49 | 21 3 | 2 28 | 1 55 | 1 10 | 4 12 | 1 14 | 25 52 | 2 42 | 21 54 | 0 17 | 9 12 | 2 15 | 23 14 | 0 9 | 9 5 | 1 0 | 4 56 | 16 21 | 20 26 | 20 28 | 7 9 | 3 1 | 5 34 |
| T 16 | 9 27 | 19 30 | 3 23 | 1 13 | 1 24 | 3 41 | 1 13 | 25 52 | 2 41 | 21 55 | 0 17 | 9 14 | 2 15 | 23 14 | 0 9 | 9 4 | 1 0 | 4 55 | 16 21 | 20 26 | 20 27 | 7 12 | 3 3 | 5 33 |
| W17 | 9 5 | 16 59 | 4 7 | 0 33 | 1 38 | 3 10 | 1 12 | 25 52 | 2 40 | 21 56 | 0 17 | 9 16 | 2 15 | 23 14 | 0 9 | 9 3 | 1 0 | 4 55 | 16 21 | 20 24 | 20 27 | 7 14 | 3 5 | 5 33 |
| T 18 | 8 43 | 13 44 | 4 38 | 0n 4 | 1 52 | 2 39 | 1 10 | 25 53 | 2 39 | 21 57 | 0 17 | 9 18 | 2 15 | 23 14 | 0 9 | 9 3 | 1 0 | 4 54 | 16 20 | 20 22 | 20 26 | 7 16 | 3 7 | 5 33 |
| F 19 | 8 20 | 9 56 | 4 56 | 0 37 | 2 6 | 2 8 | 1 8 | 25 53 | 2 38 | 21 57 | 0 16 | 9 20 | 2 15 | 23 14 | 0 9 | 9 2 | 1 0 | 4 54 | 16 20 | 20 19 | 20 25 | 7 18 | 3 9 | 5 33 |
| S 20 | 7 58 | 5 46 | 5 0 | 1 7 | 2 19 | 1 37 | 1 7 | 25 54 | 2 37 | 21 58 | 0 16 | 9 22 | 2 15 | 23 14 | 0 9 | 9 1 | 1 0 | 4 53 | 16 20 | 20 16 | 20 25 | 7 20 | 3 11 | 5 32 |
| S 21 | 7 35 | 1 26 | 4 50 | 1 33 | 2 32 | 1 6 | 1 5 | 25 54 | 2 36 | 21 59 | 0 16 | 9 24 | 2 15 | 23 14 | 0 9 | 9 0 | 1 0 | 4 52 | 16 19 | 20 13 | 20 24 | 7 22 | 3 13 | 5 32 |
| M22 | 7 12 | 2s55 | 4 27 | 1 56 | 2 44 | 0 35 | 1 3 | 25 54 | 2 35 | 22 0 | 0 16 | 9 25 | 2 15 | 23 14 | 0 9 | 8 59 | 1 0 | 4 52 | 16 19 | 20 11 | 20 23 | 7 25 | 3 15 | 5 32 |
| T 23 | 6 49 | 7 8 | 3 53 | 2 14 | 2 55 | 0 3 | 1 2 | 25 54 | 2 34 | 22 1 | 0 16 | 9 27 | 2 15 | 23 14 | 0 9 | 8 58 | 1 0 | 4 51 | 16 19 | 20 8 | 20 23 | 7 27 | 3 17 | 5 32 |
| W24 | 6 26 | 11 4 | 3 9 | 2 27 | 3 5 | 0n28 | 1 0 | 25 55 | 2 33 | 22 1 | 0 16 | 9 29 | 2 15 | 23 14 | 0 9 | 8 57 | 1 0 | 4 51 | 16 19 | 20 6 | 20 22 | 7 29 | 3 19 | 5 31 |
| T 25 | 6 3 | 14 33 | 2 17 | 2 36 | 3 14 | 0 59 | 0 58 | 25 55 | 2 32 | 22 2 | 0 15 | 9 31 | 2 15 | 23 14 | 0 9 | 8 57 | 1 0 | 4 50 | 16 18 | 20 5 | 20 21 | 7 31 | 3 21 | 5 31 |
| F 26 | 5 40 | 17 29 | 1 18 | 2 40 | 3 22 | 1 31 | 0 56 | 25 55 | 2 31 | 22 3 | 0 15 | 9 33 | 2 15 | 23 14 | 0 9 | 8 56 | 1 0 | 4 50 | 16 18 | 20 4 | 20 21 | 7 33 | 3 23 | 5 31 |
| S 27 | 5 17 | 19 40 | 0 15 | 2 40 | 3 28 | 2 2 | 0 54 | 25 55 | 2 30 | 22 4 | 0 15 | 9 35 | 2 15 | 23 14 | 0 9 | 8 55 | 1 0 | 4 49 | 16 18 | 20 4 | 20 20 | 7 35 | 3 25 | 5 30 |
| S 28 | 4s53 | 21s 0 | 0n49 | 2n35 | 3n32 | 2n33 | 0s52 | 25n55 | 2n30 | 22n 5 | 0s15 | 9n37 | 2n15 | 23n14 | 0n 9 | 8s54 | 1s 0 | 4s48 | 16s18 | 20s 4 | 20s19 | 7s37 | 3n27 | 5s30 |

Julian Day Number = 2218194.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'42, Lahiri = 14°56'43 Julian Calendar 1 Feb. 1361 == Greg. Calendar 9 Feb. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## MARCH 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 7 6 | 18♓39'33 | 21♐ 4 | 27°R52 | 9♈38 | 25♊21 | 12♊18 | 10°R46 | 19♊11 | 9♓42 | 26♈57 | 29°R18 | 0♐26 | 10♎ 6 | 8°R 1 | M 1 |
| T 2 | 11 11 3 | 19°39'10 | 3♑53 | 27♓16 | 10°52 | 25°45 | 12°24 | 10♍42 | 19°12 | 9°45 | 26°58 | 29♏18 | 0°23 | 10°13 | 7♍57 | T 2 |
| W 3 | 11 15 0 | 20°38'45 | 17° 9 | 26°35 | 12° 6 | 26° 8 | 12°30 | 10°37 | 19°13 | 9°47 | 26°59 | 29°15 | 0°20 | 10°20 | 7°52 | W 3 |
| T 4 | 11 18 56 | 21°38'18 | 0♒54 | 25°49 | 13°20 | 26°33 | 12°37 | 10°32 | 19°13 | 9°49 | 27° 0 | 29° 9 | 0°17 | 10°26 | 7°48 | T 4 |
| F 5 | 11 22 53 | 22°37'50 | 15° 9 | 25° 0 | 14°34 | 26°57 | 12°43 | 10°28 | 19°14 | 9°51 | 27° 2 | 29° 2 | 0°14 | 10°33 | 7°43 | F 5 |
| S 6 | 11 26 49 | 23°37'19 | 29°51 | 24° 8 | 15°48 | 27°22 | 12°50 | 10°23 | 19°15 | 9°54 | 27° 3 | 28°52 | 0°10 | 10°40 | 7°39 | S 6 |
| S 7 | 11 30 46 | 24°36'47 | 14♓54 | 23°15 | 17° 2 | 27°47 | 12°57 | 10°19 | 19°16 | 9°56 | 27° 4 | 28°42 | 0° 7 | 10°47 | 7°34 | S 7 |
| M 8 | 11 34 42 | 25°36'12 | 0♈ 8 | 22°22 | 18°16 | 28°12 | 13° 4 | 10°14 | 19°17 | 9°58 | 27° 5 | 28°33 | 0° 4 | 10°53 | 7°30 | M 8 |
| T 9 | 11 38 39 | 26°35'36 | 15°22 | 21°30 | 19°29 | 28°37 | 13°11 | 10°10 | 19°18 | 10° 0 | 27° 6 | 28°25 | 0° 1 | 11° 0 | 7°25 | T 9 |
| W10 | 11 42 35 | 27°34'57 | 0♉27 | 20°40 | 20°43 | 29° 3 | 13°19 | 10° 5 | 19°19 | 10° 2 | 27° 8 | 28°20 | 29♏58 | 11° 7 | 7°21 | W10 |
| T 11 | 11 46 32 | 28°34'16 | 15°13 | 19°53 | 21°57 | 29°29 | 13°26 | 10° 1 | 19°20 | 10° 5 | 27° 9 | 28°17 | 29°54 | 11°13 | 7°17 | T 11 |
| F 12 | 11 50 29 | 29°33'33 | 29°35 | 19° 9 | 23°10 | 29°55 | 13°34 | 9°56 | 19°21 | 10° 7 | 27°10 | 28°D16 | 29°51 | 11°20 | 7°13 | F 12 |
| S 13 | 11 54 25 | 0♈32'48 | 13♊32 | 18°29 | 24°24 | 0♋21 | 13°42 | 9°52 | 19°23 | 10° 9 | 27°11 | 28°17 | 29°48 | 11°27 | 7° 9 | S 13 |
| S 14 | 11 58 22 | 1°32'00 | 27° 3 | 17°54 | 25°38 | 0°47 | 13°50 | 9°48 | 19°24 | 10°11 | 27°12 | 28°R18 | 29°45 | 11°33 | 7° 4 | S 14 |
| M15 | 12 2 18 | 2°31'10 | 10♋11 | 17°24 | 26°51 | 1°14 | 13°58 | 9°44 | 19°25 | 10°13 | 27°14 | 28°17 | 29°42 | 11°40 | 7° 0 | M15 |
| T 16 | 12 6 15 | 3°30'17 | 23° 0 | 17° 0 | 28° 5 | 1°41 | 14° 6 | 9°40 | 19°27 | 10°15 | 27°15 | 28°15 | 29°39 | 11°47 | 6°56 | T 16 |
| W17 | 12 10 11 | 4°29'22 | 5♌33 | 16°41 | 29°18 | 2° 8 | 14°14 | 9°35 | 19°28 | 10°18 | 27°16 | 28°11 | 29°35 | 11°53 | 6°53 | W17 |
| T 18 | 12 14 8 | 5°28'25 | 17°53 | 16°27 | 0♉31 | 2°35 | 14°23 | 9°31 | 19°30 | 10°20 | 27°18 | 28° 5 | 29°32 | 12° 0 | 6°49 | T 18 |
| F 19 | 12 18 4 | 6°27'25 | 0♍ 2 | 16°19 | 1°45 | 3° 3 | 14°31 | 9°27 | 19°31 | 10°22 | 27°19 | 27°56 | 29°29 | 12° 7 | 6°45 | F 19 |
| S 20 | 12 22 1 | 7°26'23 | 12° 5 | 16°D17 | 2°58 | 3°30 | 14°40 | 9°24 | 19°33 | 10°24 | 27°20 | 27°47 | 29°26 | 12°13 | 6°41 | S 20 |
| S 21 | 12 25 58 | 8°25'19 | 24° 1 | 16°20 | 4°11 | 3°58 | 14°49 | 9°20 | 19°34 | 10°26 | 27°21 | 27°37 | 29°23 | 12°20 | 6°38 | S 21 |
| M22 | 12 29 54 | 9°24'13 | 5♎54 | 16°29 | 5°24 | 4°26 | 14°58 | 9°16 | 19°36 | 10°28 | 27°23 | 27°28 | 29°20 | 12°27 | 6°34 | M22 |
| T 23 | 12 33 51 | 10°23'05 | 17°44 | 16°42 | 6°37 | 4°54 | 15° 7 | 9°12 | 19°38 | 10°30 | 27°24 | 27°21 | 29°16 | 12°34 | 6°31 | T 23 |
| W24 | 12 37 47 | 11°21'55 | 29°34 | 17° 0 | 7°51 | 5°23 | 15°16 | 9° 8 | 19°39 | 10°32 | 27°25 | 27°15 | 29°13 | 12°40 | 6°27 | W24 |
| T 25 | 12 41 44 | 12°20'43 | 11♏26 | 17°24 | 9° 4 | 5°51 | 15°25 | 9° 5 | 19°41 | 10°34 | 27°27 | 27°11 | 29°10 | 12°47 | 6°24 | T 25 |
| F 26 | 12 45 40 | 13°19'29 | 23°21 | 17°51 | 10°17 | 6°20 | 15°35 | 9° 1 | 19°43 | 10°36 | 27°28 | 27°D10 | 29° 7 | 12°54 | 6°21 | F 26 |
| S 27 | 12 49 37 | 14°18'14 | 5♐24 | 18°23 | 11°30 | 6°49 | 15°44 | 8°58 | 19°45 | 10°38 | 27°29 | 27°10 | 29° 4 | 13° 0 | 6°18 | S 27 |
| S 28 | 12 53 33 | 15°16'56 | 17°37 | 18°59 | 12°42 | 7°18 | 15°54 | 8°55 | 19°47 | 10°40 | 27°31 | 27°11 | 29° 0 | 13° 7 | 6°15 | S 28 |
| M29 | 12 57 30 | 16°15'37 | 0♑ 6 | 19°39 | 13°55 | 7°47 | 16° 3 | 8°51 | 19°49 | 10°42 | 27°32 | 27°13 | 28°57 | 13°14 | 6°12 | M29 |
| T 30 | 13 1 27 | 17°14'16 | 12°53 | 20°23 | 15° 8 | 8°16 | 16°13 | 8°48 | 19°51 | 10°44 | 27°33 | 27°R14 | 28°54 | 13°20 | 6° 9 | T 30 |
| W31 | 13 5 23 | 18♈12'54 | 26♑ 4 | 21♓10 | 16♉21 | 8♋46 | 16♊23 | 8♍45 | 19♊53 | 10♓46 | 27♈35 | 27♏14 | 28♏51 | 13♎27 | 6♍ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s30 | 21s20 | 1n53 | 2n26 | 3n35 | 3n 4 | 0s50 | 25n55 | 2n29 | 22n 6 | 0s15 | 9n38 | 2n15 | 23n14 | 0n 9 | 8s53 | 1s 0 | 4s48 | 16s18 | 20s 4 | 20s19 | 7s39 | 3n29 | 5s30 |
| T 2 | 4 7 | 20 35 | 2 53 | 2 13 | 3 36 | 3 35 | 0 47 | 25 55 | 2 28 | 22 7 | 0 15 | 9 40 | 2 16 | 23 14 | 0 9 | 8 52 | 1 0 | 4 47 | 16 17 | 20 4 | 20 18 | 7 42 | 3 31 | 5 29 |
| W 3 | 3 43 | 18 41 | 3 46 | 1 55 | 3 35 | 4 6 | 0 45 | 25 55 | 2 27 | 22 8 | 0 14 | 9 42 | 2 16 | 23 14 | 0 9 | 8 52 | 1 0 | 4 47 | 16 17 | 20 3 | 20 17 | 7 44 | 3 33 | 5 29 |
| T 4 | 3 20 | 15 40 | 4 28 | 1 35 | 3 32 | 4 37 | 0 43 | 25 54 | 2 26 | 22 9 | 0 14 | 9 44 | 2 16 | 23 14 | 0 9 | 8 51 | 1 0 | 4 46 | 16 17 | 20 2 | 20 17 | 7 46 | 3 36 | 5 29 |
| F 5 | 2 56 | 11 39 | 4 55 | 1 11 | 3 27 | 5 8 | 0 41 | 25 54 | 2 25 | 22 10 | 0 14 | 9 46 | 2 16 | 23 14 | 0 9 | 8 50 | 1 0 | 4 45 | 16 17 | 20 1 | 20 16 | 7 48 | 3 38 | 5 28 |
| S 6 | 2 32 | 6 50 | 5 3 | 0 44 | 3 21 | 5 39 | 0 38 | 25 54 | 2 24 | 22 11 | 0 14 | 9 47 | 2 16 | 23 14 | 0 9 | 8 49 | 1 0 | 4 45 | 16 16 | 19 59 | 20 15 | 7 50 | 3 40 | 5 28 |
| S 7 | 2 9 | 1 29 | 4 51 | 0 16 | 3 13 | 6 9 | 0 36 | 25 53 | 2 23 | 22 12 | 0 14 | 9 49 | 2 16 | 23 14 | 0 9 | 8 48 | 1 0 | 4 44 | 16 16 | 19 56 | 20 15 | 7 52 | 3 42 | 5 27 |
| M 8 | 1 45 | 4n 1 | 4 19 | 0s14 | 3 3 | 6 40 | 0 34 | 25 53 | 2 22 | 22 13 | 0 14 | 9 51 | 2 16 | 23 14 | 0 9 | 8 47 | 1 1 | 4 44 | 16 16 | 19 54 | 20 14 | 7 54 | 3 44 | 5 27 |
| T 9 | 1 22 | 9 16 | 3 28 | 0 45 | 2 52 | 7 10 | 0 31 | 25 52 | 2 21 | 22 14 | 0 13 | 9 52 | 2 16 | 23 14 | 0 9 | 8 47 | 1 1 | 4 43 | 16 16 | 19 53 | 20 13 | 7 56 | 3 46 | 5 26 |
| W10 | 0 58 | 13 54 | 2 23 | 1 17 | 2 39 | 7 40 | 0 29 | 25 52 | 2 21 | 22 15 | 0 13 | 9 54 | 2 16 | 23 15 | 0 9 | 8 46 | 1 1 | 4 42 | 16 16 | 19 51 | 20 13 | 7 59 | 3 48 | 5 26 |
| T 11 | 0 34 | 17 33 | 1 9 | 1 48 | 2 25 | 8 10 | 0 26 | 25 51 | 2 20 | 22 16 | 0 13 | 9 56 | 2 16 | 23 15 | 0 9 | 8 45 | 1 1 | 4 42 | 16 16 | 19 51 | 20 12 | 8 1 | 3 50 | 5 25 |
| F 12 | 0 11 | 20 1 | 0s 7 | 2 18 | 2 11 | 8 40 | 0 24 | 25 50 | 2 19 | 22 17 | 0 13 | 9 57 | 2 15 | 23 15 | 0 9 | 8 44 | 1 1 | 4 41 | 16 15 | 19 51 | 20 11 | 8 3 | 3 52 | 5 25 |
| S 13 | 0n13 | 21 10 | 1 21 | 2 47 | 1 56 | 9 10 | 0 21 | 25 49 | 2 18 | 22 19 | 0 13 | 9 59 | 2 15 | 23 15 | 0 9 | 8 43 | 1 1 | 4 41 | 16 15 | 19 51 | 20 11 | 8 5 | 3 54 | 5 24 |
| S 14 | 0 37 | 21 1 | 2 28 | 3 15 | 1 41 | 9 39 | 0 18 | 25 48 | 2 17 | 22 20 | 0 13 | 10 1 | 2 15 | 23 15 | 0 9 | 8 43 | 1 1 | 4 40 | 16 15 | 19 51 | 20 10 | 8 7 | 3 56 | 5 24 |
| M15 | 1 0 | 19 43 | 3 25 | 3 41 | 1 25 | 10 8 | 0 16 | 25 47 | 2 16 | 22 21 | 0 13 | 10 2 | 2 15 | 23 15 | 0 9 | 8 42 | 1 1 | 4 40 | 16 15 | 19 51 | 20 9 | 8 9 | 3 58 | 5 23 |
| T 16 | 1 24 | 17 26 | 4 11 | 4 6 | 1 9 | 10 37 | 0 13 | 25 46 | 2 15 | 22 22 | 0 12 | 10 4 | 2 15 | 23 15 | 0 9 | 8 41 | 1 1 | 4 39 | 16 15 | 19 50 | 20 9 | 8 11 | 4 0 | 5 23 |
| W17 | 1 47 | 14 22 | 4 43 | 4 27 | 0 53 | 11 6 | 0 10 | 25 45 | 2 15 | 22 23 | 0 12 | 10 5 | 2 15 | 23 15 | 0 9 | 8 40 | 1 1 | 4 38 | 16 15 | 19 49 | 20 8 | 8 13 | 4 2 | 5 22 |
| T 18 | 2 11 | 10 45 | 5 1 | 4 47 | 0 38 | 11 35 | 0 8 | 25 43 | 2 14 | 22 24 | 0 12 | 10 7 | 2 15 | 23 15 | 0 9 | 8 39 | 1 1 | 4 38 | 16 14 | 19 48 | 20 7 | 8 15 | 4 3 | 5 22 |
| F 19 | 2 34 | 6 43 | 5 6 | 5 4 | 0 22 | 12 3 | 0 5 | 25 42 | 2 13 | 22 25 | 0 12 | 10 8 | 2 15 | 23 15 | 0 9 | 8 39 | 1 1 | 4 37 | 16 14 | 19 46 | 20 7 | 8 17 | 4 5 | 5 21 |
| S 20 | 2 58 | 2 29 | 4 57 | 5 19 | 0 8 | 12 31 | 0 2 | 25 40 | 2 12 | 22 26 | 0 12 | 10 10 | 2 15 | 23 16 | 0 9 | 8 38 | 1 1 | 4 37 | 16 14 | 19 44 | 20 6 | 8 19 | 4 7 | 5 21 |
| S 21 | 3 21 | 1s49 | 4 35 | 5 31 | 0s 7 | 12 58 | 0n 1 | 25 39 | 2 11 | 22 28 | 0 12 | 10 11 | 2 15 | 23 16 | 0 9 | 8 37 | 1 1 | 4 36 | 16 14 | 19 42 | 20 5 | 8 22 | 4 9 | 5 20 |
| M22 | 3 44 | 6 2 | 4 1 | 5 41 | 0 21 | 13 25 | 0 4 | 25 37 | 2 10 | 22 29 | 0 12 | 10 12 | 2 15 | 23 16 | 0 9 | 8 36 | 1 1 | 4 36 | 16 14 | 19 40 | 20 4 | 8 24 | 4 11 | 5 19 |
| T 23 | 4 8 | 10 0 | 3 16 | 5 48 | 0 34 | 13 52 | 0 6 | 25 35 | 2 10 | 22 30 | 0 11 | 10 14 | 2 15 | 23 16 | 0 9 | 8 36 | 1 1 | 4 35 | 16 14 | 19 38 | 20 4 | 8 26 | 4 13 | 5 19 |
| W24 | 4 31 | 13 36 | 2 24 | 5 52 | 0 47 | 14 19 | 0 9 | 25 33 | 2 9 | 22 31 | 0 11 | 10 15 | 2 15 | 23 16 | 0 9 | 8 35 | 1 1 | 4 34 | 16 14 | 19 37 | 20 3 | 8 28 | 4 15 | 5 18 |
| T 25 | 4 54 | 16 39 | 1 24 | 5 54 | 0 59 | 14 45 | 0 12 | 25 31 | 2 8 | 22 32 | 0 11 | 10 16 | 2 15 | 23 16 | 0 9 | 8 34 | 1 1 | 4 34 | 16 14 | 19 36 | 20 2 | 8 30 | 4 16 | 5 18 |
| F 26 | 5 17 | 19 0 | 0 21 | 5 54 | 1 11 | 15 11 | 0 15 | 25 29 | 2 7 | 22 33 | 0 11 | 10 18 | 2 15 | 23 16 | 0 9 | 8 33 | 1 1 | 4 33 | 16 13 | 19 36 | 20 2 | 8 32 | 4 18 | 5 17 |
| S 27 | 5 40 | 20 33 | 0n45 | 5 52 | 1 22 | 15 37 | 0 18 | 25 27 | 2 6 | 22 34 | 0 11 | 10 19 | 2 15 | 23 17 | 0 9 | 8 33 | 1 1 | 4 33 | 16 13 | 19 36 | 20 1 | 8 34 | 4 20 | 5 16 |
| S 28 | 6 2 | 21 8 | 1 49 | 5 47 | 1 32 | 16 2 | 0 21 | 25 25 | 2 6 | 22 36 | 0 11 | 10 20 | 2 15 | 23 17 | 0 9 | 8 32 | 1 1 | 4 32 | 16 13 | 19 36 | 20 0 | 8 36 | 4 22 | 5 16 |
| M29 | 6 25 | 20 42 | 2 49 | 5 40 | 1 42 | 16 27 | 0 24 | 25 22 | 2 5 | 22 37 | 0 11 | 10 21 | 2 14 | 23 17 | 0 9 | 8 31 | 1 1 | 4 32 | 16 13 | 19 36 | 20 0 | 8 38 | 4 23 | 5 15 |
| T 30 | 6 48 | 19 12 | 3 43 | 5 31 | 1 51 | 16 51 | 0 26 | 25 20 | 2 4 | 22 38 | 0 10 | 10 22 | 2 14 | 23 17 | 0 9 | 8 31 | 1 1 | 4 31 | 16 13 | 19 36 | 19 59 | 8 40 | 4 25 | 5 14 |
| W31 | 7n10 | 16s38 | 4n27 | 5s20 | 1s59 | 17n15 | 0n29 | 25n17 | 2n 3 | 22n39 | 0s10 | 10n23 | 2n14 | 23n17 | 0n 9 | 8s30 | 1s 1 | 4s31 | 16s13 | 19s36 | 19s58 | 8s42 | 4n27 | 5s14 |

Julian Day Number = 2218222.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'46, Lahiri = 14°56'47 Julian Calendar 1 March 1361 == Greg. Calendar 9 March 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## APRIL 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 9 20 | 19♈11'29 | 9♒41 | 22♓ 1 | 17♉34 | 9♋15 | 16♊33 | 8°R42 | 19♊55 | 10♓48 | 27♈36 | 27°R12 | 28♏48 | 13♎34 | 6°R 4 | T 1 |
| F 2 | 13 13 16 | 20°10'03 | 23°46 | 22°54 | 18°46 | 9°45 | 16°43 | 8♍39 | 19°57 | 10°50 | 27°38 | 27♏ 9 | 28°45 | 13°40 | 6♍ 1 | F 2 |
| S 3 | 13 17 13 | 21° 8'36 | 8♓18 | 23°51 | 19°59 | 10°15 | 16°54 | 8°36 | 19°59 | 10°51 | 27°39 | 27° 4 | 28°41 | 13°47 | 5°59 | S 3 |
| S 4 | 13 21 9 | 22° 7'06 | 23°12 | 24°51 | 21°11 | 10°45 | 17° 4 | 8°33 | 20° 2 | 10°53 | 27°40 | 26°59 | 28°38 | 13°54 | 5°56 | S 4 |
| M 5 | 13 25 6 | 23° 5'35 | 8♈21 | 25°53 | 22°24 | 11°15 | 17°14 | 8°31 | 20° 4 | 10°55 | 27°42 | 26°54 | 28°35 | 14° 0 | 5°54 | M 5 |
| T 6 | 13 29 2 | 24° 4'02 | 23°35 | 26°59 | 23°36 | 11°45 | 17°25 | 8°28 | 20° 6 | 10°57 | 27°43 | 26°50 | 28°32 | 14° 7 | 5°52 | T 6 |
| W 7 | 13 32 59 | 25° 2'27 | 8♉45 | 28° 7 | 24°49 | 12°15 | 17°36 | 8°25 | 20° 9 | 10°59 | 27°44 | 26°47 | 28°29 | 14°14 | 5°50 | W 7 |
| T 8 | 13 36 55 | 26° 0'51 | 23°41 | 29°17 | 26° 1 | 12°46 | 17°46 | 8°23 | 20°11 | 11° 0 | 27°46 | 26°D46 | 28°25 | 14°20 | 5°48 | T 8 |
| F 9 | 13 40 52 | 26°59'12 | 8♊15 | 0♈30 | 27°13 | 13°16 | 17°57 | 8°21 | 20°13 | 11° 2 | 27°47 | 26°47 | 28°22 | 14°27 | 5°46 | F 9 |
| S 10 | 13 44 49 | 27°57'32 | 22°23 | 1°45 | 28°26 | 13°47 | 18° 8 | 8°18 | 20°16 | 11° 4 | 27°48 | 26°48 | 28°19 | 14°34 | 5°44 | S 10 |
| S 11 | 13 48 45 | 28°55'49 | 6♋ 4 | 3° 2 | 29°38 | 14°18 | 18°19 | 8°16 | 20°18 | 11° 5 | 27°50 | 26°50 | 28°16 | 14°41 | 5°42 | S 11 |
| M12 | 13 52 42 | 29°54'04 | 19°20 | 4°22 | 0♊50 | 14°49 | 18°30 | 8°14 | 20°21 | 11° 7 | 27°51 | 26°51 | 28°13 | 14°47 | 5°41 | M12 |
| T 13 | 13 56 38 | 0♉52'17 | 2♌12 | 5°44 | 2° 2 | 15°20 | 18°41 | 8°12 | 20°24 | 11° 9 | 27°53 | 26°R51 | 28°10 | 14°54 | 5°39 | T 13 |
| W14 | 14 0 35 | 1°50'28 | 14°44 | 7° 7 | 3°14 | 15°51 | 18°52 | 8°10 | 20°26 | 11°10 | 27°54 | 26°50 | 28° 6 | 15° 1 | 5°38 | W14 |
| T 15 | 14 4 31 | 2°48'37 | 27° 0 | 8°33 | 4°26 | 16°23 | 19° 4 | 8° 8 | 20°29 | 11°12 | 27°55 | 26°49 | 28° 3 | 15° 7 | 5°37 | T 15 |
| F 16 | 14 8 28 | 3°46'44 | 9♍ 5 | 10° 1 | 5°38 | 16°54 | 19°15 | 8° 7 | 20°32 | 11°13 | 27°57 | 26°46 | 28° 0 | 15°14 | 5°36 | F 16 |
| S 17 | 14 12 24 | 4°44'49 | 21° 2 | 11°31 | 6°49 | 17°25 | 19°27 | 8° 5 | 20°34 | 11°15 | 27°58 | 26°43 | 27°57 | 15°21 | 5°35 | S 17 |
| S 18 | 14 16 21 | 5°42'52 | 2♎53 | 13° 3 | 8° 1 | 17°57 | 19°38 | 8° 4 | 20°37 | 11°17 | 27°59 | 26°39 | 27°54 | 15°27 | 5°34 | S 18 |
| M19 | 14 20 18 | 6°40'54 | 14°43 | 14°37 | 9°13 | 18°29 | 19°50 | 8° 2 | 20°40 | 11°18 | 28° 1 | 26°36 | 27°51 | 15°34 | 5°33 | M19 |
| T 20 | 14 24 14 | 7°38'53 | 26°34 | 16°13 | 10°24 | 19° 1 | 20° 1 | 8° 1 | 20°43 | 11°19 | 28° 2 | 26°33 | 27°47 | 15°41 | 5°32 | T 20 |
| W21 | 14 28 11 | 8°36'51 | 8♏26 | 17°51 | 11°36 | 19°33 | 20°13 | 8° 0 | 20°45 | 11°21 | 28° 4 | 26°31 | 27°44 | 15°47 | 5°32 | W21 |
| T 22 | 14 32 7 | 9°34'48 | 20°24 | 19°31 | 12°47 | 20° 5 | 20°25 | 7°59 | 20°48 | 11°22 | 28° 5 | 26°30 | 27°41 | 15°54 | 5°31 | T 22 |
| F 23 | 14 36 4 | 10°32'43 | 2♐28 | 21°13 | 13°59 | 20°37 | 20°37 | 7°58 | 20°51 | 11°24 | 28° 6 | 26°D30 | 27°38 | 16° 1 | 5°31 | F 23 |
| S 24 | 14 40 0 | 11°30'36 | 14°42 | 22°57 | 15°10 | 21° 9 | 20°49 | 7°57 | 20°54 | 11°25 | 28° 8 | 26°31 | 27°35 | 16° 7 | 5°31 | S 24 |
| S 25 | 14 43 57 | 12°28'28 | 27° 6 | 24°43 | 16°21 | 21°41 | 21° 1 | 7°56 | 20°57 | 11°26 | 28° 9 | 26°32 | 27°31 | 16°14 | 5°D31 | S 25 |
| M26 | 14 47 53 | 13°26'19 | 9♑44 | 26°31 | 17°33 | 22°13 | 21°13 | 7°55 | 21° 0 | 11°28 | 28°10 | 26°33 | 27°28 | 16°21 | 5°31 | M26 |
| T 27 | 14 51 50 | 14°24'09 | 22°38 | 28°21 | 18°44 | 22°46 | 21°25 | 7°55 | 21° 3 | 11°29 | 28°12 | 26°34 | 27°25 | 16°27 | 5°31 | T 27 |
| W28 | 14 55 47 | 15°21'57 | 5♒51 | 0♉13 | 19°55 | 23°18 | 21°37 | 7°54 | 21° 6 | 11°30 | 28°13 | 26°35 | 27°22 | 16°34 | 5°31 | W28 |
| T 29 | 14 59 43 | 16°19'44 | 19°24 | 2° 6 | 21° 6 | 23°51 | 21°49 | 7°54 | 21° 9 | 11°31 | 28°14 | 26°R35 | 27°19 | 16°41 | 5°32 | T 29 |
| F 30 | 15 3 40 | 17♉17'30 | 3♓20 | 4♉ 2 | 22♊17 | 24♋24 | 22♊ 2 | 7♍54 | 21♊12 | 11♓33 | 28♈16 | 26♏35 | 27♏16 | 16♎47 | 5♍32 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n32 | 13s 7 | 4n57 | 5s 7 | 2s 7 | 17n39 | 0n32 | 25n14 | 2n 3 | 22n40 | 0s10 | 10n24 | 2n14 | 23n17 | 0n 9 | 8s29 | 1s 1 | 4s30 | 16s13 | 19s36 | 19s58 | 8s44 | 4n28 | 5s13 |
| F 2 | 7 55 | 8 45 | 5 11 | 4 52 | 2 14 | 18 2 | 0 35 | 25 11 | 2 2 | 22 41 | 0 10 | 10 25 | 2 14 | 23 18 | 0 9 | 8 28 | 1 1 | 4 30 | 16 13 | 19 35 | 19 57 | 8 46 | 4 30 | 5 12 |
| S 3 | 8 17 | 3 46 | 5 5 | 4 35 | 2 20 | 18 24 | 0 38 | 25 8 | 2 1 | 22 42 | 0 10 | 10 26 | 2 14 | 23 18 | 0 9 | 8 28 | 1 1 | 4 29 | 16 13 | 19 34 | 19 56 | 8 48 | 4 31 | 5 11 |
| S 4 | 8 39 | 1n34 | 4 40 | 4 17 | 2 26 | 18 46 | 0 41 | 25 5 | 2 0 | 22 44 | 0 10 | 10 27 | 2 14 | 23 18 | 0 9 | 8 27 | 1 1 | 4 29 | 16 13 | 19 33 | 19 55 | 8 50 | 4 33 | 5 11 |
| M 5 | 9 0 | 6 54 | 3 54 | 3 57 | 2 31 | 19 8 | 0 44 | 25 2 | 1 59 | 22 45 | 0 10 | 10 28 | 2 14 | 23 18 | 0 9 | 8 26 | 1 1 | 4 28 | 16 13 | 19 32 | 19 55 | 8 52 | 4 34 | 5 10 |
| T 6 | 9 22 | 11 51 | 2 51 | 3 35 | 2 35 | 19 29 | 0 46 | 24 58 | 1 59 | 22 46 | 0 10 | 10 29 | 2 14 | 23 18 | 0 9 | 8 26 | 1 1 | 4 28 | 16 13 | 19 31 | 19 54 | 8 54 | 4 36 | 5 9 |
| W 7 | 9 44 | 16 0 | 1 37 | 3 11 | 2 39 | 19 50 | 0 49 | 24 55 | 1 58 | 22 47 | 0 9 | 10 30 | 2 13 | 23 18 | 0 9 | 8 25 | 1 1 | 4 27 | 16 13 | 19 30 | 19 53 | 8 56 | 4 37 | 5 9 |
| T 8 | 10 5 | 19 2 | 0 17 | 2 46 | 2 42 | 20 10 | 0 52 | 24 51 | 1 57 | 22 48 | 0 9 | 10 31 | 2 13 | 23 19 | 0 9 | 8 24 | 1 1 | 4 27 | 16 13 | 19 30 | 19 53 | 8 58 | 4 39 | 5 8 |
| F 9 | 10 26 | 20 44 | 1s 3 | 2 19 | 2 45 | 20 30 | 0 55 | 24 47 | 1 56 | 22 49 | 0 9 | 10 32 | 2 13 | 23 19 | 0 9 | 8 24 | 1 1 | 4 26 | 16 13 | 19 30 | 19 52 | 9 0 | 4 40 | 5 7 |
| S 10 | 10 47 | 21 2 | 2 16 | 1 51 | 2 47 | 20 49 | 0 58 | 24 43 | 1 56 | 22 50 | 0 9 | 10 32 | 2 13 | 23 19 | 0 9 | 8 23 | 1 1 | 4 26 | 16 13 | 19 30 | 19 51 | 9 2 | 4 41 | 5 6 |
| S 11 | 11 8 | 20 4 | 3 19 | 1 21 | 2 48 | 21 7 | 1 0 | 24 39 | 1 55 | 22 51 | 0 9 | 10 33 | 2 13 | 23 19 | 0 9 | 8 23 | 1 1 | 4 25 | 16 13 | 19 31 | 19 50 | 9 5 | 4 43 | 5 6 |
| M12 | 11 29 | 18 0 | 4 10 | 0 50 | 2 49 | 21 25 | 1 3 | 24 35 | 1 54 | 22 52 | 0 9 | 10 34 | 2 13 | 23 19 | 0 9 | 8 22 | 1 1 | 4 25 | 16 13 | 19 31 | 19 50 | 9 7 | 4 44 | 5 5 |
| T 13 | 11 49 | 15 6 | 4 46 | 0 18 | 2 49 | 21 43 | 1 6 | 24 31 | 1 53 | 22 54 | 0 9 | 10 34 | 2 13 | 23 19 | 0 9 | 8 21 | 1 1 | 4 24 | 16 13 | 19 31 | 19 49 | 9 9 | 4 45 | 5 4 |
| W14 | 12 9 | 11 34 | 5 7 | 0n15 | 2 49 | 22 0 | 1 9 | 24 26 | 1 53 | 22 55 | 0 9 | 10 35 | 2 12 | 23 20 | 0 9 | 8 21 | 1 2 | 4 24 | 16 13 | 19 31 | 19 48 | 9 11 | 4 46 | 5 3 |
| T 15 | 12 29 | 7 37 | 5 14 | 0 50 | 2 48 | 22 16 | 1 11 | 24 22 | 1 52 | 22 56 | 0 8 | 10 35 | 2 12 | 23 20 | 0 9 | 8 20 | 1 2 | 4 23 | 16 13 | 19 31 | 19 48 | 9 13 | 4 47 | 5 3 |
| F 16 | 12 49 | 3 27 | 5 7 | 1 26 | 2 46 | 22 32 | 1 14 | 24 17 | 1 51 | 22 57 | 0 8 | 10 36 | 2 12 | 23 20 | 0 9 | 8 20 | 1 2 | 4 23 | 16 13 | 19 30 | 19 47 | 9 15 | 4 48 | 5 2 |
| S 17 | 13 9 | 0s49 | 4 47 | 2 4 | 2 44 | 22 47 | 1 16 | 24 13 | 1 51 | 22 58 | 0 8 | 10 36 | 2 12 | 23 20 | 0 9 | 8 19 | 1 2 | 4 22 | 16 13 | 19 29 | 19 46 | 9 17 | 4 50 | 5 1 |
| S 18 | 13 28 | 5 2 | 4 14 | 2 42 | 2 41 | 23 1 | 1 19 | 24 8 | 1 50 | 22 59 | 0 8 | 10 37 | 2 12 | 23 20 | 0 9 | 8 19 | 1 2 | 4 22 | 16 13 | 19 28 | 19 46 | 9 19 | 4 51 | 5 0 |
| M19 | 13 48 | 9 3 | 3 31 | 3 21 | 2 38 | 23 15 | 1 21 | 24 3 | 1 49 | 23 0 | 0 8 | 10 37 | 2 12 | 23 21 | 0 9 | 8 18 | 1 2 | 4 21 | 16 13 | 19 28 | 19 45 | 9 21 | 4 52 | 5 0 |
| T 20 | 14 7 | 12 44 | 2 38 | 4 2 | 2 34 | 23 28 | 1 24 | 23 57 | 1 48 | 23 1 | 0 8 | 10 37 | 2 12 | 23 21 | 0 9 | 8 18 | 1 2 | 4 21 | 16 13 | 19 27 | 19 44 | 9 23 | 4 53 | 4 59 |
| W21 | 14 25 | 15 55 | 1 38 | 4 43 | 2 30 | 23 41 | 1 26 | 23 52 | 1 48 | 23 2 | 0 8 | 10 38 | 2 11 | 23 21 | 0 9 | 8 17 | 1 2 | 4 21 | 16 13 | 19 27 | 19 43 | 9 25 | 4 53 | 4 58 |
| T 22 | 14 44 | 18 27 | 0 34 | 5 26 | 2 25 | 23 53 | 1 29 | 23 47 | 1 47 | 23 3 | 0 8 | 10 38 | 2 11 | 23 21 | 0 9 | 8 17 | 1 2 | 4 20 | 16 13 | 19 26 | 19 43 | 9 27 | 4 54 | 4 57 |
| F 23 | 15 2 | 20 11 | 0n33 | 6 9 | 2 20 | 24 4 | 1 31 | 23 41 | 1 46 | 23 4 | 0 8 | 10 38 | 2 11 | 23 21 | 0 9 | 8 16 | 1 2 | 4 20 | 16 13 | 19 26 | 19 42 | 9 29 | 4 55 | 4 57 |
| S 24 | 15 20 | 21 0 | 1 39 | 6 53 | 2 14 | 24 14 | 1 33 | 23 35 | 1 46 | 23 5 | 0 7 | 10 38 | 2 11 | 23 22 | 0 9 | 8 16 | 1 2 | 4 19 | 16 13 | 19 27 | 19 41 | 9 31 | 4 56 | 4 56 |
| S 25 | 15 38 | 20 48 | 2 41 | 7 38 | 2 7 | 24 24 | 1 36 | 23 30 | 1 45 | 23 6 | 0 7 | 10 39 | 2 11 | 23 22 | 0 9 | 8 15 | 1 2 | 4 19 | 16 13 | 19 27 | 19 40 | 9 32 | 4 57 | 4 55 |
| M26 | 15 56 | 19 33 | 3 37 | 8 24 | 2 0 | 24 33 | 1 38 | 23 24 | 1 44 | 23 7 | 0 7 | 10 39 | 2 11 | 23 22 | 0 9 | 8 15 | 1 2 | 4 19 | 16 13 | 19 27 | 19 40 | 9 34 | 4 58 | 4 54 |
| T 27 | 16 13 | 17 17 | 4 23 | 9 10 | 1 53 | 24 42 | 1 40 | 23 18 | 1 44 | 23 7 | 0 7 | 10 39 | 2 10 | 23 22 | 0 9 | 8 14 | 1 2 | 4 18 | 16 13 | 19 27 | 19 39 | 9 36 | 4 58 | 4 53 |
| W28 | 16 30 | 14 5 | 4 57 | 9 57 | 1 45 | 24 50 | 1 42 | 23 11 | 1 43 | 23 8 | 0 7 | 10 39 | 2 10 | 23 23 | 0 9 | 8 14 | 1 2 | 4 18 | 16 13 | 19 27 | 19 38 | 9 38 | 4 59 | 4 53 |
| T 29 | 16 47 | 10 4 | 5 15 | 10 44 | 1 37 | 24 57 | 1 44 | 23 5 | 1 42 | 23 9 | 0 7 | 10 39 | 2 10 | 23 23 | 0 9 | 8 13 | 1 2 | 4 17 | 16 13 | 19 27 | 19 38 | 9 40 | 4 59 | 4 52 |
| F 30 | 17n 3 | 5s25 | 5n15 | 11n31 | 1s28 | 25n 4 | 1n46 | 22n59 | 1n41 | 23n10 | 0s 7 | 10n39 | 2n10 | 23n23 | 0n 9 | 8s13 | 1s 2 | 4s17 | 16s13 | 19s27 | 19s37 | 9s42 | 5n 0 | 4s51 |

Julian Day Number = 2218253.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'50, Lahiri = 14°56'51 Julian Calendar 1 Apr. 1361 == Greg. Calendar 9 Apr. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## MAY 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 7 36 | 18♉15'14 | 17♓37 | 6♉ 0 | 23♊28 | 24♋57 | 22♊14 | 7°R54 | 21♊15 | 11♓34 | 28♈17 | 26°R34 | 27♏12 | 16♎54 | 5♍33 | S 1 |
| S 2 | 15 11 33 | 19°12'58 | 2♈13 | 7°59 | 24°38 | 25°29 | 22°27 | 7°D54 | 21°19 | 11°35 | 28°18 | 26♏33 | 27° 9 | 17° 1 | 5°33 | S 2 |
| M 3 | 15 15 29 | 20°10'41 | 17° 4 | 10° 1 | 25°49 | 26° 2 | 22°39 | 7♍54 | 21°22 | 11°36 | 28°19 | 26°33 | 27° 6 | 17° 7 | 5°34 | M 3 |
| T 4 | 15 19 26 | 21° 8'22 | 2♉ 3 | 12° 4 | 27° 0 | 26°36 | 22°52 | 7°54 | 21°25 | 11°37 | 28°21 | 26°32 | 27° 3 | 17°14 | 5°35 | T 4 |
| W 5 | 15 23 22 | 22° 6'02 | 17° 1 | 14° 9 | 28°10 | 27° 9 | 23° 4 | 7°54 | 21°28 | 11°38 | 28°22 | 26°32 | 27° 0 | 17°21 | 5°36 | W 5 |
| T 6 | 15 27 19 | 23° 3'42 | 1♊51 | 16°15 | 29°21 | 27°42 | 23°17 | 7°54 | 21°31 | 11°39 | 28°23 | 26°D32 | 26°57 | 17°28 | 5°37 | T 6 |
| F 7 | 15 31 16 | 24° 1'19 | 16°25 | 18°23 | 0♋31 | 28°15 | 23°29 | 7°55 | 21°35 | 11°40 | 28°25 | 26°32 | 26°53 | 17°34 | 5°38 | F 7 |
| S 8 | 15 35 12 | 24°58'56 | 0♋37 | 20°32 | 1°41 | 28°49 | 23°42 | 7°55 | 21°38 | 11°41 | 28°26 | 26°32 | 26°50 | 17°41 | 5°40 | S 8 |
| S 9 | 15 39 9 | 25°56'31 | 14°24 | 22°42 | 2°51 | 29°22 | 23°55 | 7°56 | 21°41 | 11°42 | 28°27 | 26°32 | 26°47 | 17°48 | 5°41 | S 9 |
| M10 | 15 43 5 | 26°54'05 | 27°46 | 24°53 | 4° 2 | 29°56 | 24° 8 | 7°57 | 21°45 | 11°43 | 28°28 | 26°R32 | 26°44 | 17°54 | 5°43 | M10 |
| T 11 | 15 47 2 | 27°51'37 | 10♌44 | 27° 5 | 5°12 | 0♌29 | 24°21 | 7°58 | 21°48 | 11°44 | 28°30 | 26°32 | 26°41 | 18° 1 | 5°45 | T 11 |
| W12 | 15 50 58 | 28°49'08 | 23°20 | 29°16 | 6°22 | 1° 3 | 24°33 | 7°59 | 21°51 | 11°45 | 28°31 | 26°D32 | 26°37 | 18° 8 | 5°46 | W12 |
| T 13 | 15 54 55 | 29°46'37 | 5♍38 | 1♊28 | 7°31 | 1°37 | 24°46 | 8° 0 | 21°55 | 11°45 | 28°32 | 26°32 | 26°34 | 18°14 | 5°48 | T 13 |
| F 14 | 15 58 51 | 0♊44'06 | 17°42 | 3°40 | 8°41 | 2°10 | 24°59 | 8° 1 | 21°58 | 11°46 | 28°33 | 26°32 | 26°31 | 18°21 | 5°50 | F 14 |
| S 15 | 16 2 48 | 1°41'32 | 29°37 | 5°51 | 9°51 | 2°44 | 25°12 | 8° 2 | 22° 2 | 11°47 | 28°34 | 26°33 | 26°28 | 18°28 | 5°52 | S 15 |
| S 16 | 16 6 45 | 2°38'58 | 11♎27 | 8° 2 | 11° 0 | 3°18 | 25°25 | 8° 4 | 22° 5 | 11°48 | 28°36 | 26°33 | 26°25 | 18°34 | 5°55 | S 16 |
| M17 | 16 10 41 | 3°36'22 | 23°17 | 10°11 | 12°10 | 3°52 | 25°38 | 8° 5 | 22° 8 | 11°48 | 28°37 | 26°34 | 26°22 | 18°41 | 5°57 | M17 |
| T 18 | 16 14 38 | 4°33'46 | 5♏ 9 | 12°20 | 13°19 | 4°26 | 25°52 | 8° 7 | 22°12 | 11°49 | 28°38 | 26°35 | 26°18 | 18°48 | 6° 0 | T 18 |
| W19 | 16 18 34 | 5°31'08 | 17° 8 | 14°27 | 14°28 | 5° 1 | 26° 5 | 8° 8 | 22°15 | 11°50 | 28°39 | 26°35 | 26°15 | 18°54 | 6° 2 | W19 |
| T 20 | 16 22 31 | 6°28'30 | 29°14 | 16°32 | 15°38 | 5°35 | 26°18 | 8°10 | 22°19 | 11°50 | 28°40 | 26°R35 | 26°12 | 19° 1 | 6° 5 | T 20 |
| F 21 | 16 26 27 | 7°25'50 | 11♐32 | 18°35 | 16°47 | 6° 9 | 26°31 | 8°12 | 22°22 | 11°51 | 28°41 | 26°35 | 26° 9 | 19° 8 | 6° 8 | F 21 |
| S 22 | 16 30 24 | 8°23'10 | 24° 1 | 20°37 | 17°55 | 6°43 | 26°44 | 8°14 | 22°26 | 11°51 | 28°42 | 26°34 | 26° 6 | 19°14 | 6°10 | S 22 |
| S 23 | 16 34 20 | 9°20'29 | 6♑42 | 22°36 | 19° 4 | 7°18 | 26°58 | 8°16 | 22°29 | 11°52 | 28°43 | 26°32 | 26° 3 | 19°21 | 6°13 | S 23 |
| M24 | 16 38 17 | 10°17'48 | 19°38 | 24°33 | 20°13 | 7°52 | 27°11 | 8°18 | 22°33 | 11°52 | 28°45 | 26°31 | 25°59 | 19°28 | 6°17 | M24 |
| T 25 | 16 42 14 | 11°15'06 | 2♒48 | 26°28 | 21°21 | 8°27 | 27°24 | 8°20 | 22°36 | 11°53 | 28°46 | 26°29 | 25°56 | 19°34 | 6°20 | T 25 |
| W26 | 16 46 10 | 12°12'23 | 16°12 | 28°21 | 22°30 | 9° 1 | 27°37 | 8°23 | 22°40 | 11°53 | 28°47 | 26°27 | 25°53 | 19°41 | 6°23 | W26 |
| T 27 | 16 50 7 | 13° 9'40 | 29°51 | 0♋11 | 23°38 | 9°36 | 27°51 | 8°25 | 22°43 | 11°53 | 28°48 | 26°26 | 25°50 | 19°48 | 6°26 | T 27 |
| F 28 | 16 54 3 | 14° 6'57 | 13♓45 | 1°59 | 24°46 | 10°11 | 28° 4 | 8°28 | 22°47 | 11°54 | 28°49 | 26°D26 | 25°47 | 19°54 | 6°30 | F 28 |
| S 29 | 16 58 0 | 15° 4'13 | 27°52 | 3°45 | 25°55 | 10°46 | 28°18 | 8°30 | 22°51 | 11°54 | 28°50 | 26°26 | 25°43 | 20° 1 | 6°34 | S 29 |
| S 30 | 17 1 56 | 16° 1'29 | 12♈12 | 5°28 | 27° 2 | 11°20 | 28°31 | 8°33 | 22°54 | 11°54 | 28°51 | 26°27 | 25°40 | 20° 8 | 6°37 | S 30 |
| M31 | 17 5 53 | 16♊58'45 | 26♈41 | 7♋ 8 | 28♋10 | 11♌55 | 28♊44 | 8♍36 | 22♊58 | 11♓54 | 28♈52 | 26♏28 | 25♏37 | 20♎14 | 6♍41 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n19 | 0s22 | 4n56 | 12n19 | 1s19 | 25n 9 | 1n48 | 22n52 | 1n41 | 23n11 | 0s 7 | 10n39 | 2n10 | 23n23 | 0n 9 | 8s12 | 1s 2 | 4s17 | 16s13 | 19s27 | 19s36 | 9s44 | 5n 1 | 4s50 |
| S 2 | 17 35 | 4n50 | 4 18 | 13 7 | 1 10 | 25 14 | 1 50 | 22 45 | 1 40 | 23 12 | 0 6 | 10 38 | 2 10 | 23 23 | 0 9 | 8 12 | 1 2 | 4 16 | 16 13 | 19 27 | 19 35 | 9 46 | 5 1 | 4 49 |
| M 3 | 17 51 | 9 50 | 3 22 | 13 55 | 1 0 | 25 19 | 1 52 | 22 38 | 1 39 | 23 13 | 0 6 | 10 38 | 2 9 | 23 24 | 0 9 | 8 12 | 1 2 | 4 16 | 16 14 | 19 27 | 19 35 | 9 48 | 5 1 | 4 49 |
| T 4 | 18 6 | 14 17 | 2 12 | 14 43 | 0 50 | 25 22 | 1 53 | 22 31 | 1 39 | 23 13 | 0 6 | 10 38 | 2 9 | 23 24 | 0 9 | 8 11 | 1 2 | 4 16 | 16 14 | 19 27 | 19 34 | 9 50 | 5 2 | 4 48 |
| W 5 | 18 21 | 17 49 | 0 53 | 15 30 | 0 40 | 25 25 | 1 55 | 22 24 | 1 38 | 23 14 | 0 6 | 10 38 | 2 9 | 23 24 | 0 9 | 8 11 | 1 2 | 4 15 | 16 14 | 19 27 | 19 33 | 9 52 | 5 2 | 4 47 |
| T 6 | 18 36 | 20 7 | 0s30 | 16 17 | 0 29 | 25 28 | 1 56 | 22 17 | 1 37 | 23 15 | 0 6 | 10 38 | 2 9 | 23 24 | 0 9 | 8 11 | 1 2 | 4 15 | 16 14 | 19 27 | 19 32 | 9 54 | 5 3 | 4 46 |
| F 7 | 18 50 | 21 2 | 1 48 | 17 3 | 0 19 | 25 29 | 1 58 | 22 10 | 1 37 | 23 16 | 0 6 | 10 37 | 2 9 | 23 24 | 0 9 | 8 10 | 1 2 | 4 15 | 16 14 | 19 27 | 19 32 | 9 56 | 5 3 | 4 45 |
| S 8 | 19 5 | 20 33 | 2 58 | 17 49 | 0 8 | 25 30 | 1 59 | 22 2 | 1 36 | 23 16 | 0 6 | 10 37 | 2 9 | 23 25 | 0 9 | 8 10 | 1 2 | 4 14 | 16 14 | 19 27 | 19 31 | 9 58 | 5 3 | 4 45 |
| S 9 | 19 18 | 18 50 | 3 56 | 18 33 | 0n 2 | 25 30 | 2 1 | 21 54 | 1 35 | 23 17 | 0 6 | 10 36 | 2 8 | 23 25 | 0 9 | 8 10 | 1 2 | 4 14 | 16 14 | 19 27 | 19 30 | 10 0 | 5 3 | 4 44 |
| M10 | 19 32 | 16 7 | 4 39 | 19 16 | 0 13 | 25 30 | 2 2 | 21 47 | 1 35 | 23 18 | 0 6 | 10 36 | 2 8 | 23 25 | 0 9 | 8 9 | 1 3 | 4 14 | 16 14 | 19 27 | 19 30 | 10 2 | 5 3 | 4 43 |
| T 11 | 19 45 | 12 42 | 5 6 | 19 57 | 0 23 | 25 28 | 2 3 | 21 39 | 1 34 | 23 18 | 0 6 | 10 35 | 2 8 | 23 25 | 0 9 | 8 9 | 1 3 | 4 14 | 16 15 | 19 27 | 19 29 | 10 4 | 5 4 | 4 42 |
| W12 | 19 58 | 8 48 | 5 17 | 20 37 | 0 34 | 25 26 | 2 4 | 21 31 | 1 33 | 23 19 | 0 5 | 10 35 | 2 8 | 23 25 | 0 9 | 8 9 | 1 3 | 4 13 | 16 15 | 19 27 | 19 28 | 10 6 | 5 4 | 4 42 |
| T 13 | 20 10 | 4 37 | 5 14 | 21 14 | 0 44 | 25 24 | 2 5 | 21 22 | 1 33 | 23 20 | 0 5 | 10 34 | 2 8 | 23 26 | 0 9 | 8 9 | 1 3 | 4 13 | 16 15 | 19 27 | 19 27 | 10 8 | 5 4 | 4 41 |
| F 14 | 20 22 | 0 20 | 4 56 | 21 50 | 0 53 | 25 20 | 2 6 | 21 14 | 1 32 | 23 20 | 0 5 | 10 34 | 2 8 | 23 26 | 0 9 | 8 8 | 1 3 | 4 13 | 16 15 | 19 27 | 19 27 | 10 10 | 5 4 | 4 40 |
| S 15 | 20 34 | 3s55 | 4 26 | 22 23 | 1 2 | 25 16 | 2 7 | 21 6 | 1 31 | 23 21 | 0 5 | 10 33 | 2 7 | 23 26 | 0 9 | 8 8 | 1 3 | 4 13 | 16 15 | 19 27 | 19 26 | 10 11 | 5 4 | 4 39 |
| S 16 | 20 46 | 8 0 | 3 45 | 22 53 | 1 11 | 25 11 | 2 8 | 20 57 | 1 31 | 23 21 | 0 5 | 10 32 | 2 7 | 23 26 | 0 9 | 8 8 | 1 3 | 4 12 | 16 15 | 19 27 | 19 25 | 10 13 | 5 3 | 4 38 |
| M17 | 20 57 | 11 47 | 2 55 | 23 21 | 1 19 | 25 6 | 2 9 | 20 49 | 1 30 | 23 22 | 0 5 | 10 32 | 2 7 | 23 27 | 0 9 | 8 8 | 1 3 | 4 12 | 16 16 | 19 27 | 19 24 | 10 15 | 5 3 | 4 38 |
| T 18 | 21 7 | 15 6 | 1 56 | 23 47 | 1 27 | 25 0 | 2 9 | 20 40 | 1 29 | 23 23 | 0 5 | 10 31 | 2 7 | 23 27 | 0 9 | 8 7 | 1 3 | 4 12 | 16 16 | 19 27 | 19 24 | 10 17 | 5 3 | 4 37 |
| W19 | 21 18 | 17 50 | 0 52 | 24 9 | 1 33 | 24 53 | 2 10 | 20 31 | 1 29 | 23 23 | 0 5 | 10 30 | 2 7 | 23 27 | 0 9 | 8 7 | 1 3 | 4 12 | 16 16 | 19 27 | 19 23 | 10 19 | 5 3 | 4 36 |
| T 20 | 21 28 | 19 49 | 0n15 | 24 29 | 1 40 | 24 45 | 2 10 | 20 22 | 1 28 | 23 24 | 0 5 | 10 29 | 2 7 | 23 27 | 0 9 | 8 7 | 1 3 | 4 11 | 16 16 | 19 27 | 19 22 | 10 21 | 5 3 | 4 35 |
| F 21 | 21 37 | 20 53 | 1 22 | 24 47 | 1 45 | 24 37 | 2 11 | 20 13 | 1 28 | 23 24 | 0 4 | 10 29 | 2 6 | 23 27 | 0 9 | 8 7 | 1 3 | 4 11 | 16 16 | 19 27 | 19 21 | 10 23 | 5 2 | 4 35 |
| S 22 | 21 47 | 20 57 | 2 26 | 25 1 | 1 50 | 24 29 | 2 11 | 20 3 | 1 27 | 23 24 | 0 4 | 10 28 | 2 6 | 23 28 | 0 9 | 8 7 | 1 3 | 4 11 | 16 16 | 19 27 | 19 21 | 10 25 | 5 2 | 4 34 |
| S 23 | 21 56 | 19 57 | 3 24 | 25 13 | 1 54 | 24 19 | 2 11 | 19 54 | 1 26 | 23 25 | 0 4 | 10 27 | 2 6 | 23 28 | 0 9 | 8 7 | 1 3 | 4 11 | 16 17 | 19 27 | 19 20 | 10 27 | 5 2 | 4 33 |
| M24 | 22 4 | 17 54 | 4 13 | 25 22 | 1 58 | 24 9 | 2 11 | 19 44 | 1 26 | 23 25 | 0 4 | 10 26 | 2 6 | 23 28 | 0 9 | 8 6 | 1 3 | 4 11 | 16 17 | 19 26 | 19 19 | 10 29 | 5 1 | 4 32 |
| T 25 | 22 12 | 14 54 | 4 50 | 25 29 | 2 0 | 23 58 | 2 11 | 19 35 | 1 25 | 23 26 | 0 4 | 10 25 | 2 6 | 23 28 | 0 9 | 8 6 | 1 3 | 4 10 | 16 17 | 19 26 | 19 18 | 10 31 | 5 1 | 4 32 |
| W26 | 22 20 | 11 5 | 5 11 | 25 33 | 2 2 | 23 47 | 2 11 | 19 25 | 1 24 | 23 26 | 0 4 | 10 24 | 2 6 | 23 28 | 0 9 | 8 6 | 1 3 | 4 10 | 16 17 | 19 26 | 19 18 | 10 32 | 5 0 | 4 31 |
| T 27 | 22 27 | 6 38 | 5 15 | 25 34 | 2 3 | 23 35 | 2 10 | 19 15 | 1 24 | 23 26 | 0 4 | 10 23 | 2 5 | 23 29 | 0 9 | 8 6 | 1 3 | 4 10 | 16 17 | 19 25 | 19 17 | 10 34 | 5 0 | 4 30 |
| F 28 | 22 34 | 1 46 | 5 2 | 25 34 | 2 4 | 23 23 | 2 10 | 19 5 | 1 23 | 23 27 | 0 4 | 10 21 | 2 5 | 23 29 | 0 9 | 8 6 | 1 3 | 4 10 | 16 18 | 19 25 | 19 16 | 10 36 | 4 59 | 4 29 |
| S 29 | 22 41 | 3n16 | 4 30 | 25 31 | 2 3 | 23 9 | 2 10 | 18 55 | 1 22 | 23 27 | 0 4 | 10 20 | 2 5 | 23 29 | 0 9 | 8 6 | 1 3 | 4 10 | 16 18 | 19 25 | 19 15 | 10 38 | 4 58 | 4 29 |
| S 30 | 22 47 | 8 13 | 3 41 | 25 26 | 2 2 | 22 56 | 2 9 | 18 45 | 1 22 | 23 27 | 0 4 | 10 19 | 2 5 | 23 29 | 0 9 | 8 6 | 1 3 | 4 10 | 16 18 | 19 26 | 19 15 | 10 40 | 4 58 | 4 28 |
| M31 | 22n53 | 12n46 | 2n37 | 25n20 | 2n 0 | 22n41 | 2n 8 | 18n34 | 1n21 | 23n27 | 0s 3 | 10n18 | 2n 5 | 23n29 | 0n 9 | 8s 6 | 1s 3 | 4s10 | 16s18 | 19s26 | 19s14 | 10s42 | 4n57 | 4s27 |

Julian Day Number = 2218283.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'54, Lahiri = 14°56'55 Julian Calendar 1 May 1361 == Greg. Calendar 9 May 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## JUNE 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 9 49 | 17♊56'00 | 11♉15 | 8♋47 | 29♋18 | 12♌30 | 28♊58 | 8♍39 | 23♊ 1 | 11♓55 | 28♈53 | 26♏29 | 25♏34 | 20♎21 | 6♍45 | T 1 |
| W 2 | 17 13 46 | 18°53'15 | 25°51 | 10°22 | 0♌26 | 13° 5 | 29°11 | 8°42 | 23° 5 | 11°55 | 28°54 | 26°R30 | 25°31 | 20°28 | 6°49 | W 2 |
| T 3 | 17 17 43 | 19°50'31 | 10♊21 | 11°56 | 1°33 | 13°40 | 29°25 | 8°45 | 23° 9 | 11°55 | 28°55 | 26°29 | 25°28 | 20°34 | 6°53 | T 3 |
| F 4 | 17 21 39 | 20°47'45 | 24°41 | 13°26 | 2°40 | 14°16 | 29°38 | 8°48 | 23°12 | 11°55 | 28°56 | 26°28 | 25°24 | 20°41 | 6°57 | F 4 |
| S 5 | 17 25 36 | 21°45'00 | 8♋45 | 14°55 | 3°47 | 14°51 | 29°52 | 8°52 | 23°16 | 11°55 | 28°56 | 26°25 | 25°21 | 20°48 | 7° 2 | S 5 |
| S 6 | 17 29 32 | 22°42'13 | 22°29 | 16°20 | 4°54 | 15°26 | 0♌ 5 | 8°55 | 23°19 | 11°R55 | 28°57 | 26°21 | 25°18 | 20°54 | 7° 6 | S 6 |
| M 7 | 17 33 29 | 23°39'27 | 5♌51 | 17°44 | 6° 1 | 16° 1 | 0°19 | 8°58 | 23°23 | 11°55 | 28°58 | 26°17 | 25°15 | 21° 1 | 7°11 | M 7 |
| T 8 | 17 37 25 | 24°36'40 | 18°50 | 19° 4 | 7° 8 | 16°37 | 0°32 | 9° 2 | 23°26 | 11°55 | 28°59 | 26°13 | 25°12 | 21° 8 | 7°15 | T 8 |
| W 9 | 17 41 22 | 25°33'52 | 1♍28 | 20°22 | 8°15 | 17°12 | 0°46 | 9° 6 | 23°30 | 11°55 | 29° 0 | 26°10 | 25° 9 | 21°14 | 7°20 | W 9 |
| T 10 | 17 45 19 | 26°31'04 | 13°47 | 21°37 | 9°21 | 17°48 | 1° 0 | 9° 9 | 23°34 | 11°55 | 29° 1 | 26° 8 | 25° 5 | 21°21 | 7°25 | T 10 |
| F 11 | 17 49 15 | 27°28'15 | 25°53 | 22°50 | 10°27 | 18°23 | 1°13 | 9°13 | 23°37 | 11°55 | 29° 2 | 26°D 7 | 25° 2 | 21°28 | 7°29 | F 11 |
| S 12 | 17 53 12 | 28°25'26 | 7♎48 | 23°59 | 11°33 | 18°59 | 1°27 | 9°17 | 23°41 | 11°55 | 29° 2 | 26° 8 | 24°59 | 21°34 | 7°34 | S 12 |
| S 13 | 17 57 8 | 29°22'36 | 19°38 | 25° 6 | 12°39 | 19°35 | 1°40 | 9°21 | 23°44 | 11°54 | 29° 3 | 26° 9 | 24°56 | 21°41 | 7°39 | S 13 |
| M14 | 18 1 5 | 0♋19'47 | 1♏29 | 26°10 | 13°45 | 20°10 | 1°54 | 9°25 | 23°48 | 11°54 | 29° 4 | 26°11 | 24°53 | 21°48 | 7°44 | M14 |
| T 15 | 18 5 1 | 1°16'57 | 13°24 | 27°10 | 14°50 | 20°46 | 2° 7 | 9°29 | 23°52 | 11°54 | 29° 5 | 26°12 | 24°49 | 21°54 | 7°50 | T 15 |
| W16 | 18 8 58 | 2°14'06 | 25°28 | 28° 8 | 15°55 | 21°22 | 2°21 | 9°33 | 23°55 | 11°54 | 29° 5 | 26°R13 | 24°46 | 22° 1 | 7°55 | W16 |
| T 17 | 18 12 54 | 3°11'16 | 7♐44 | 29° 2 | 17° 0 | 21°58 | 2°34 | 9°38 | 23°59 | 11°53 | 29° 6 | 26°12 | 24°43 | 22° 8 | 8° 0 | T 17 |
| F 18 | 18 16 51 | 4° 8'26 | 20°14 | 29°53 | 18° 5 | 22°34 | 2°48 | 9°42 | 24° 2 | 11°53 | 29° 7 | 26°10 | 24°40 | 22°14 | 8° 6 | F 18 |
| S 19 | 18 20 48 | 5° 5'35 | 3♑ 1 | 0♌40 | 19°10 | 23°10 | 3° 2 | 9°47 | 24° 6 | 11°52 | 29° 7 | 26° 6 | 24°37 | 22°21 | 8°11 | S 19 |
| S 20 | 18 24 44 | 6° 2'45 | 16° 5 | 1°24 | 20°14 | 23°46 | 3°15 | 9°51 | 24° 9 | 11°52 | 29° 8 | 26° 0 | 24°34 | 22°28 | 8°17 | S 20 |
| M21 | 18 28 41 | 6°59'55 | 29°24 | 2° 4 | 21°19 | 24°22 | 3°29 | 9°56 | 24°13 | 11°52 | 29° 9 | 25°54 | 24°30 | 22°34 | 8°23 | M21 |
| T 22 | 18 32 37 | 7°57'05 | 12♒57 | 2°41 | 22°23 | 24°58 | 3°42 | 10° 0 | 24°16 | 11°51 | 29° 9 | 25°47 | 24°27 | 22°41 | 8°28 | T 22 |
| W23 | 18 36 34 | 8°54'16 | 26°42 | 3°13 | 23°26 | 25°34 | 3°56 | 10° 5 | 24°20 | 11°51 | 29°10 | 25°41 | 24°24 | 22°48 | 8°34 | W23 |
| T 24 | 18 40 30 | 9°51'26 | 10♓37 | 3°41 | 24°30 | 26°10 | 4° 9 | 10°10 | 24°23 | 11°50 | 29°10 | 25°36 | 24°21 | 22°54 | 8°40 | T 24 |
| F 25 | 18 44 27 | 10°48'38 | 24°38 | 4° 5 | 25°33 | 26°47 | 4°23 | 10°15 | 24°27 | 11°50 | 29°11 | 25°33 | 24°18 | 23° 1 | 8°46 | F 25 |
| S 26 | 18 48 23 | 11°45'50 | 8♈45 | 4°24 | 26°36 | 27°23 | 4°36 | 10°20 | 24°30 | 11°49 | 29°12 | 25°D32 | 24°15 | 23° 8 | 8°52 | S 26 |
| S 27 | 18 52 20 | 12°43'02 | 22°55 | 4°39 | 27°39 | 28° 0 | 4°50 | 10°25 | 24°34 | 11°48 | 29°12 | 25°32 | 24°11 | 23°14 | 8°58 | S 27 |
| M28 | 18 56 17 | 13°40'16 | 7♉ 7 | 4°49 | 28°41 | 28°36 | 5° 3 | 10°30 | 24°37 | 11°48 | 29°13 | 25°34 | 24° 8 | 23°21 | 9° 4 | M28 |
| T 29 | 19 0 13 | 14°37'30 | 21°20 | 4°54 | 29°44 | 29°12 | 5°17 | 10°35 | 24°41 | 11°47 | 29°13 | 25°R34 | 24° 5 | 23°28 | 9°11 | T 29 |
| W30 | 19 4 10 | 15♋34'45 | 5♊30 | 4°R55 | 0♍46 | 29♌49 | 5♋30 | 10♍40 | 24♊44 | 11♓46 | 29♈13 | 25♏34 | 24♏ 2 | 23♎34 | 9♍17 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n58 | 16n34 | 1n23 | 25n11 | 1n58 | 22n27 | 2n 7 | 18n24 | 1n20 | 23n28 | 0s 3 | 10n17 | 2n 5 | 23n30 | 0n 9 | 8s 6 | 1s 4 | 4s10 | 16s19 | 19s26 | 19s13 | 10s44 | 4n56 | 4s26 |
| W 2 | 23 3 | 19 21 | 0 4 | 25 1 | 1 55 | 22 11 | 2 6 | 18 13 | 1 20 | 23 28 | 0 3 | 10 15 | 2 4 | 23 30 | 0 9 | 8 6 | 1 4 | 4 9 | 16 19 | 19 26 | 19 12 | 10 46 | 4 55 | 4 26 |
| T 3 | 23 8 | 20 50 | 1s16 | 24 49 | 1 51 | 21 55 | 2 5 | 18 2 | 1 19 | 23 28 | 0 3 | 10 14 | 2 4 | 23 30 | 0 10 | 8 6 | 1 4 | 4 9 | 16 19 | 19 26 | 19 12 | 10 47 | 4 55 | 4 25 |
| F 4 | 23 12 | 20 56 | 2 29 | 24 36 | 1 46 | 21 39 | 2 4 | 17 52 | 1 19 | 23 28 | 0 3 | 10 13 | 2 4 | 23 30 | 0 10 | 8 6 | 1 4 | 4 9 | 16 19 | 19 26 | 19 11 | 10 49 | 4 54 | 4 24 |
| S 5 | 23 16 | 19 42 | 3 32 | 24 22 | 1 41 | 21 22 | 2 3 | 17 41 | 1 18 | 23 28 | 0 3 | 10 11 | 2 4 | 23 30 | 0 10 | 8 6 | 1 4 | 4 9 | 16 20 | 19 25 | 19 10 | 10 51 | 4 53 | 4 24 |
| S 6 | 23 19 | 17 21 | 4 21 | 24 6 | 1 35 | 21 4 | 2 2 | 17 30 | 1 17 | 23 28 | 0 3 | 10 10 | 2 4 | 23 31 | 0 10 | 8 6 | 1 4 | 4 9 | 16 20 | 19 24 | 19 9 | 10 53 | 4 52 | 4 23 |
| M 7 | 23 22 | 14 7 | 4 54 | 23 49 | 1 29 | 20 46 | 2 0 | 17 18 | 1 17 | 23 28 | 0 3 | 10 8 | 2 4 | 23 31 | 0 10 | 8 6 | 1 4 | 4 9 | 16 20 | 19 23 | 19 8 | 10 55 | 4 51 | 4 22 |
| T 8 | 23 25 | 10 18 | 5 11 | 23 31 | 1 22 | 20 28 | 1 59 | 17 7 | 1 16 | 23 28 | 0 3 | 10 7 | 2 3 | 23 31 | 0 10 | 8 6 | 1 4 | 4 9 | 16 20 | 19 22 | 19 8 | 10 57 | 4 50 | 4 21 |
| W 9 | 23 27 | 6 8 | 5 12 | 23 12 | 1 14 | 20 9 | 1 57 | 16 56 | 1 15 | 23 29 | 0 3 | 10 5 | 2 3 | 23 31 | 0 10 | 8 6 | 1 4 | 4 9 | 16 21 | 19 22 | 19 7 | 10 59 | 4 49 | 4 21 |
| T 10 | 23 28 | 1 48 | 4 59 | 22 52 | 1 6 | 19 49 | 1 55 | 16 44 | 1 15 | 23 29 | 0 2 | 10 4 | 2 3 | 23 31 | 0 10 | 8 6 | 1 4 | 4 9 | 16 21 | 19 21 | 19 6 | 11 0 | 4 48 | 4 20 |
| F 11 | 23 30 | 2s31 | 4 32 | 22 31 | 0 57 | 19 29 | 1 53 | 16 33 | 1 14 | 23 29 | 0 2 | 10 2 | 2 3 | 23 32 | 0 10 | 8 6 | 1 4 | 4 9 | 16 21 | 19 21 | 19 5 | 11 2 | 4 46 | 4 19 |
| S 12 | 23 31 | 6 41 | 3 54 | 22 10 | 0 48 | 19 9 | 1 51 | 16 21 | 1 14 | 23 28 | 0 2 | 10 1 | 2 3 | 23 32 | 0 10 | 8 6 | 1 4 | 4 9 | 16 21 | 19 21 | 19 5 | 11 4 | 4 45 | 4 19 |
| S 13 | 23 31 | 10 35 | 3 7 | 21 49 | 0 38 | 18 48 | 1 49 | 16 9 | 1 13 | 23 28 | 0 2 | 9 59 | 2 3 | 23 32 | 0 10 | 8 6 | 1 4 | 4 9 | 16 22 | 19 21 | 19 4 | 11 6 | 4 44 | 4 18 |
| M14 | 23 31 | 14 5 | 2 11 | 21 27 | 0 28 | 18 27 | 1 46 | 15 57 | 1 12 | 23 28 | 0 2 | 9 57 | 2 3 | 23 32 | 0 10 | 8 6 | 1 4 | 4 9 | 16 22 | 19 22 | 19 3 | 11 8 | 4 43 | 4 17 |
| T 15 | 23 31 | 17 1 | 1 9 | 21 4 | 0 17 | 18 6 | 1 44 | 15 45 | 1 12 | 23 28 | 0 2 | 9 56 | 2 2 | 23 32 | 0 10 | 8 7 | 1 4 | 4 9 | 16 22 | 19 22 | 19 2 | 11 10 | 4 41 | 4 17 |
| W16 | 23 30 | 19 16 | 0 4 | 20 42 | 0 6 | 17 44 | 1 41 | 15 33 | 1 11 | 23 28 | 0 2 | 9 54 | 2 2 | 23 32 | 0 10 | 8 7 | 1 4 | 4 9 | 16 22 | 19 22 | 19 2 | 11 11 | 4 40 | 4 16 |
| T 17 | 23 29 | 20 39 | 1n 2 | 20 19 | 0s 6 | 17 22 | 1 39 | 15 21 | 1 11 | 23 28 | 0 2 | 9 52 | 2 2 | 23 33 | 0 10 | 8 7 | 1 4 | 4 9 | 16 23 | 19 22 | 19 1 | 11 13 | 4 39 | 4 15 |
| F 18 | 23 27 | 21 3 | 2 7 | 19 57 | 0 18 | 16 59 | 1 36 | 15 8 | 1 10 | 23 28 | 0 2 | 9 50 | 2 2 | 23 33 | 0 10 | 8 7 | 1 4 | 4 9 | 16 23 | 19 22 | 19 0 | 11 15 | 4 37 | 4 15 |
| S 19 | 23 25 | 20 22 | 3 7 | 19 34 | 0 31 | 16 36 | 1 33 | 14 56 | 1 9 | 23 28 | 0 2 | 9 49 | 2 2 | 23 33 | 0 10 | 8 7 | 1 4 | 4 9 | 16 23 | 19 21 | 18 59 | 11 17 | 4 36 | 4 14 |
| S 20 | 23 23 | 18 37 | 3 58 | 19 12 | 0 44 | 16 13 | 1 30 | 14 43 | 1 9 | 23 27 | 0 1 | 9 47 | 2 2 | 23 33 | 0 10 | 8 8 | 1 4 | 4 9 | 16 24 | 19 19 | 18 58 | 11 19 | 4 34 | 4 13 |
| M21 | 23 20 | 15 50 | 4 37 | 18 50 | 0 57 | 15 49 | 1 27 | 14 31 | 1 8 | 23 27 | 0 1 | 9 45 | 2 2 | 23 33 | 0 10 | 8 8 | 1 4 | 4 9 | 16 24 | 19 18 | 18 58 | 11 20 | 4 33 | 4 13 |
| T 22 | 23 17 | 12 10 | 5 1 | 18 29 | 1 11 | 15 25 | 1 23 | 14 18 | 1 7 | 23 27 | 0 1 | 9 43 | 2 1 | 23 33 | 0 10 | 8 8 | 1 4 | 4 9 | 16 24 | 19 16 | 18 57 | 11 22 | 4 31 | 4 12 |
| W23 | 23 13 | 7 49 | 5 9 | 18 8 | 1 25 | 15 1 | 1 20 | 14 5 | 1 7 | 23 27 | 0 1 | 9 41 | 2 1 | 23 34 | 0 10 | 8 8 | 1 4 | 4 9 | 16 24 | 19 15 | 18 56 | 11 24 | 4 30 | 4 12 |
| T 24 | 23 9 | 3 0 | 4 59 | 17 47 | 1 39 | 14 36 | 1 16 | 13 52 | 1 6 | 23 26 | 0 1 | 9 39 | 2 1 | 23 34 | 0 10 | 8 8 | 1 5 | 4 9 | 16 25 | 19 14 | 18 55 | 11 26 | 4 28 | 4 11 |
| F 25 | 23 5 | 2n 0 | 4 30 | 17 28 | 1 53 | 14 11 | 1 13 | 13 39 | 1 6 | 23 26 | 0 1 | 9 37 | 2 1 | 23 34 | 0 10 | 8 9 | 1 5 | 4 9 | 16 25 | 19 13 | 18 55 | 11 28 | 4 26 | 4 10 |
| S 26 | 23 0 | 6 56 | 3 46 | 17 9 | 2 8 | 13 46 | 1 9 | 13 26 | 1 5 | 23 26 | 0 1 | 9 35 | 2 1 | 23 34 | 0 10 | 8 9 | 1 5 | 4 10 | 16 25 | 19 13 | 18 54 | 11 29 | 4 25 | 4 10 |
| S 27 | 22 55 | 11 31 | 2 47 | 16 52 | 2 22 | 13 21 | 1 5 | 13 13 | 1 4 | 23 25 | 0 1 | 9 33 | 2 1 | 23 34 | 0 10 | 8 9 | 1 5 | 4 10 | 16 26 | 19 13 | 18 53 | 11 31 | 4 23 | 4 9 |
| M28 | 22 49 | 15 29 | 1 38 | 16 35 | 2 37 | 12 55 | 1 1 | 13 0 | 1 4 | 23 25 | 0 1 | 9 31 | 2 1 | 23 34 | 0 10 | 8 10 | 1 5 | 4 10 | 16 26 | 19 13 | 18 52 | 11 33 | 4 21 | 4 9 |
| T 29 | 22 43 | 18 31 | 0 23 | 16 20 | 2 51 | 12 29 | 0 57 | 12 46 | 1 3 | 23 24 | 0 1 | 9 29 | 2 1 | 23 35 | 0 10 | 8 10 | 1 5 | 4 10 | 16 26 | 19 13 | 18 51 | 11 35 | 4 19 | 4 8 |
| W30 | 22n36 | 20n25 | 0s53 | 16n 6 | 3s 6 | 12n 3 | 0n52 | 12n33 | 1n 3 | 23n24 | 0s 1 | 9n27 | 2n 0 | 23n35 | 0n10 | 8s10 | 1s 5 | 4s10 | 16s27 | 19s13 | 18s51 | 11s37 | 4n18 | 4s 7 |

Julian Day Number = 2218314.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°49'59, Lahiri = 14°56'59 Julian Calendar 1 June 1361 == Greg. Calendar 9 June 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## JULY 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 8 6 | 16♋32'00 | 19♊35 | 4°R50 | 1♍47 | 0♍26 | 5♋44 | 10♍46 | 24♊48 | 11°R45 | 29♈14 | 25°R32 | 23♏59 | 23♎41 | 9♍24 | T 1 |
| F 2 | 19 12 3 | 17°29'16 | 3♋32 | 4♌41 | 2°49 | 1° 2 | 5°57 | 10°51 | 24°51 | 11♓45 | 29°14 | 25♏27 | 23°55 | 23°48 | 9°30 | F 2 |
| S 3 | 19 15 59 | 18°26'33 | 17°17 | 4°27 | 3°50 | 1°39 | 6°10 | 10°56 | 24°54 | 11°44 | 29°15 | 25°21 | 23°52 | 23°54 | 9°37 | S 3 |
| S 4 | 19 19 56 | 19°23'50 | 0♌47 | 4° 8 | 4°51 | 2°16 | 6°24 | 11° 2 | 24°58 | 11°43 | 29°15 | 25°12 | 23°49 | 24° 1 | 9°43 | S 4 |
| M 5 | 19 23 52 | 20°21'08 | 13°59 | 3°45 | 5°51 | 2°53 | 6°37 | 11° 7 | 25° 1 | 11°42 | 29°15 | 25° 3 | 23°46 | 24° 8 | 9°50 | M 5 |
| T 6 | 19 27 49 | 21°18'26 | 26°52 | 3°17 | 6°51 | 3°30 | 6°50 | 11°13 | 25° 4 | 11°41 | 29°16 | 24°53 | 23°43 | 24°14 | 9°57 | T 6 |
| W 7 | 19 31 46 | 22°15'45 | 9♍27 | 2°46 | 7°51 | 4° 7 | 7° 4 | 11°19 | 25° 8 | 11°40 | 29°16 | 24°45 | 23°40 | 24°21 | 10° 4 | W 7 |
| T 8 | 19 35 42 | 23°13'04 | 21°45 | 2°11 | 8°50 | 4°44 | 7°17 | 11°24 | 25°11 | 11°39 | 29°16 | 24°39 | 23°36 | 24°28 | 10°10 | T 8 |
| F 9 | 19 39 39 | 24°10'24 | 3♎50 | 1°32 | 9°49 | 5°21 | 7°30 | 11°30 | 25°14 | 11°38 | 29°17 | 24°34 | 23°33 | 24°34 | 10°17 | F 9 |
| S 10 | 19 43 35 | 25° 7'44 | 15°44 | 0°51 | 10°48 | 5°58 | 7°43 | 11°36 | 25°17 | 11°37 | 29°17 | 24°32 | 23°30 | 24°41 | 10°24 | S 10 |
| S 11 | 19 47 32 | 26° 5'05 | 27°34 | 0° 8 | 11°46 | 6°35 | 7°57 | 11°42 | 25°21 | 11°36 | 29°17 | 24°D32 | 23°27 | 24°48 | 10°32 | S 11 |
| M12 | 19 51 28 | 27° 2'26 | 9♏25 | 29♋24 | 12°44 | 7°12 | 8°10 | 11°48 | 25°24 | 11°35 | 29°17 | 24°32 | 23°24 | 24°54 | 10°39 | M12 |
| T 13 | 19 55 25 | 27°59'48 | 21°21 | 28°40 | 13°42 | 7°49 | 8°23 | 11°54 | 25°27 | 11°34 | 29°18 | 24°R33 | 23°20 | 25° 1 | 10°46 | T 13 |
| W14 | 19 59 21 | 28°57'10 | 3♐28 | 27°55 | 14°39 | 8°27 | 8°36 | 12° 0 | 25°30 | 11°33 | 29°18 | 24°32 | 23°17 | 25° 8 | 10°53 | W14 |
| T 15 | 20 3 18 | 29°54'33 | 15°50 | 27°12 | 15°35 | 9° 4 | 8°49 | 12° 6 | 25°33 | 11°32 | 29°18 | 24°30 | 23°14 | 25°14 | 11° 0 | T 15 |
| F 16 | 20 7 15 | 0♑51'57 | 28°31 | 26°31 | 16°32 | 9°41 | 9° 2 | 12°12 | 25°36 | 11°31 | 29°18 | 24°26 | 23°11 | 25°21 | 11° 8 | F 16 |
| S 17 | 20 11 11 | 1°49'22 | 11♑33 | 25°53 | 17°27 | 10°19 | 9°15 | 12°19 | 25°40 | 11°30 | 29°18 | 24°19 | 23° 8 | 25°28 | 11°15 | S 17 |
| S 18 | 20 15 8 | 2°46'47 | 24°56 | 25°18 | 18°22 | 10°56 | 9°28 | 12°25 | 25°43 | 11°29 | 29°18 | 24°10 | 23° 5 | 25°34 | 11°23 | S 18 |
| M19 | 20 19 4 | 3°44'14 | 8♒39 | 24°47 | 19°17 | 11°34 | 9°41 | 12°31 | 25°46 | 11°27 | 29°18 | 24° 0 | 23° 1 | 25°41 | 11°30 | M19 |
| T 20 | 20 23 1 | 4°41'41 | 22°39 | 24°22 | 20°11 | 12°11 | 9°54 | 12°38 | 25°49 | 11°26 | 29°18 | 23°49 | 22°58 | 25°48 | 11°38 | T 20 |
| W21 | 20 26 57 | 5°39'10 | 6♓50 | 24° 1 | 21° 5 | 12°49 | 10° 7 | 12°44 | 25°52 | 11°25 | 29°18 | 23°39 | 22°55 | 25°54 | 11°45 | W21 |
| T 22 | 20 30 54 | 6°36'40 | 21° 8 | 23°47 | 21°58 | 13°27 | 10°19 | 12°50 | 25°54 | 11°24 | 29°R18 | 23°31 | 22°52 | 26° 1 | 11°53 | T 22 |
| F 23 | 20 34 50 | 7°34'11 | 5♈27 | 23°39 | 22°50 | 14° 4 | 10°32 | 12°57 | 25°57 | 11°22 | 29°18 | 23°25 | 22°49 | 26° 8 | 12° 1 | F 23 |
| S 24 | 20 38 47 | 8°31'44 | 19°45 | 23°D37 | 23°42 | 14°42 | 10°45 | 13° 4 | 26° 0 | 11°21 | 29°18 | 23°22 | 22°46 | 26°14 | 12° 8 | S 24 |
| S 25 | 20 42 44 | 9°29'18 | 3♉56 | 23°43 | 24°33 | 15°20 | 10°58 | 13°10 | 26° 3 | 11°20 | 29°18 | 23°20 | 22°42 | 26°21 | 12°16 | S 25 |
| M26 | 20 46 40 | 10°26'54 | 18° 2 | 23°55 | 25°23 | 15°58 | 11°10 | 13°17 | 26° 6 | 11°18 | 29°18 | 23°20 | 22°39 | 26°28 | 12°24 | M26 |
| T 27 | 20 50 37 | 11°24'31 | 1♊59 | 24°14 | 26°13 | 16°36 | 11°23 | 13°23 | 26° 9 | 11°17 | 29°18 | 23°20 | 22°36 | 26°34 | 12°32 | T 27 |
| W28 | 20 54 33 | 12°22'10 | 15°49 | 24°41 | 27° 2 | 17°14 | 11°35 | 13°30 | 26°11 | 11°16 | 29°18 | 23°19 | 22°33 | 26°41 | 12°40 | W28 |
| T 29 | 20 58 30 | 13°19'50 | 29°31 | 25°15 | 27°51 | 17°52 | 11°48 | 13°37 | 26°14 | 11°14 | 29°18 | 23°15 | 22°30 | 26°48 | 12°48 | T 29 |
| F 30 | 21 2 26 | 14°17'32 | 13♋ 3 | 25°56 | 28°38 | 18°30 | 12° 0 | 13°44 | 26°17 | 11°13 | 29°18 | 23° 8 | 22°26 | 26°54 | 12°56 | F 30 |
| S 31 | 21 6 23 | 15♌15'16 | 26♋25 | 26♋44 | 29♍25 | 19♍ 8 | 12♋12 | 13♍51 | 26♊20 | 11♓11 | 29♈17 | 22♏59 | 22♏23 | 27♎ 1 | 13♍ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n30 | 21n 1 | 2s 6 | 15n54 | 3s19 | 11n37 | 0n48 | 12n19 | 1n 2 | 23n23 | 0s 0 | 9n25 | 2n 0 | 23n35 | 0n10 | 8s10 | 1s 5 | 4s10 | 16s27 | 19s13 | 18s50 | 11s38 | 4n16 | 4s 7 |
| F 2 | 22 22 | 20 19 | 3 10 | 15 43 | 3 33 | 11 11 | 0 43 | 12 6 | 1 1 | 23 23 | 0 0 | 9 23 | 2 0 | 23 35 | 0 10 | 8 11 | 1 5 | 4 10 | 16 27 | 19 11 | 18 49 | 11 40 | 4 14 | 4 6 |
| S 3 | 22 15 | 18 25 | 4 1 | 15 33 | 3 46 | 10 44 | 0 38 | 11 52 | 1 1 | 23 22 | 0 0 | 9 20 | 2 0 | 23 35 | 0 10 | 8 11 | 1 5 | 4 11 | 16 28 | 19 10 | 18 48 | 11 42 | 4 12 | 4 6 |
| S 4 | 22 7 | 15 31 | 4 39 | 15 26 | 3 58 | 10 17 | 0 34 | 11 38 | 1 0 | 23 22 | 0 0 | 9 18 | 2 0 | 23 35 | 0 10 | 8 12 | 1 5 | 4 11 | 16 28 | 19 8 | 18 47 | 11 44 | 4 10 | 4 5 |
| M 5 | 21 58 | 11 54 | 5 0 | 15 20 | 4 9 | 9 50 | 0 29 | 11 24 | 1 0 | 23 21 | 0 0 | 9 16 | 2 0 | 23 35 | 0 10 | 8 12 | 1 5 | 4 11 | 16 28 | 19 6 | 18 47 | 11 45 | 4 8 | 4 4 |
| T 6 | 21 50 | 7 49 | 5 5 | 15 17 | 4 20 | 9 23 | 0 23 | 11 10 | 0 59 | 23 21 | 0n 0 | 9 14 | 2 0 | 23 36 | 0 10 | 8 12 | 1 5 | 4 11 | 16 29 | 19 3 | 18 46 | 11 47 | 4 6 | 4 4 |
| W 7 | 21 40 | 3 29 | 4 56 | 15 15 | 4 29 | 8 56 | 0 18 | 10 56 | 0 58 | 23 20 | 0 0 | 9 11 | 2 0 | 23 36 | 0 10 | 8 13 | 1 5 | 4 11 | 16 29 | 19 1 | 18 45 | 11 49 | 4 4 | 4 3 |
| T 8 | 21 31 | 0s53 | 4 32 | 15 15 | 4 37 | 8 29 | 0 13 | 10 42 | 0 58 | 23 19 | 0 0 | 9 9 | 2 0 | 23 36 | 0 10 | 8 13 | 1 5 | 4 11 | 16 29 | 19 0 | 18 44 | 11 51 | 4 2 | 4 3 |
| F 9 | 21 21 | 5 9 | 3 57 | 15 16 | 4 44 | 8 1 | 0 7 | 10 28 | 0 57 | 23 19 | 0 0 | 9 7 | 2 0 | 23 36 | 0 10 | 8 13 | 1 5 | 4 12 | 16 29 | 18 59 | 18 43 | 11 52 | 4 0 | 4 2 |
| S 10 | 21 11 | 9 10 | 3 12 | 15 20 | 4 49 | 7 34 | 0 2 | 10 14 | 0 57 | 23 18 | 0 0 | 9 5 | 1 59 | 23 36 | 0 10 | 8 14 | 1 5 | 4 12 | 16 30 | 18 58 | 18 43 | 11 54 | 3 58 | 4 2 |
| S 11 | 21 0 | 12 48 | 2 19 | 15 26 | 4 52 | 7 6 | 0s 4 | 10 0 | 0 56 | 23 17 | 0 1 | 9 2 | 1 59 | 23 36 | 0 10 | 8 14 | 1 5 | 4 12 | 16 30 | 18 58 | 18 42 | 11 56 | 3 55 | 4 1 |
| M12 | 20 49 | 15 56 | 1 20 | 15 33 | 4 54 | 6 39 | 0 10 | 9 45 | 0 55 | 23 17 | 0 1 | 9 0 | 1 59 | 23 36 | 0 10 | 8 15 | 1 5 | 4 12 | 16 30 | 18 58 | 18 41 | 11 58 | 3 53 | 4 1 |
| T 13 | 20 38 | 18 26 | 0 17 | 15 42 | 4 54 | 6 11 | 0 16 | 9 31 | 0 55 | 23 16 | 0 1 | 8 57 | 1 59 | 23 36 | 0 10 | 8 15 | 1 5 | 4 13 | 16 31 | 18 58 | 18 40 | 11 59 | 3 51 | 4 0 |
| W14 | 20 26 | 20 8 | 0n47 | 15 53 | 4 52 | 5 43 | 0 22 | 9 16 | 0 54 | 23 15 | 0 1 | 8 55 | 1 59 | 23 37 | 0 10 | 8 16 | 1 5 | 4 13 | 16 31 | 18 58 | 18 39 | 12 1 | 3 49 | 4 0 |
| T 15 | 20 14 | 20 55 | 1 51 | 16 4 | 4 48 | 5 16 | 0 29 | 9 1 | 0 54 | 23 15 | 0 1 | 8 53 | 1 59 | 23 37 | 0 10 | 8 16 | 1 5 | 4 13 | 16 31 | 18 58 | 18 39 | 12 3 | 3 46 | 3 59 |
| F 16 | 20 2 | 20 40 | 2 51 | 16 17 | 4 43 | 4 48 | 0 35 | 8 47 | 0 53 | 23 14 | 0 1 | 8 50 | 1 59 | 23 37 | 0 10 | 8 17 | 1 5 | 4 13 | 16 32 | 18 57 | 18 38 | 12 5 | 3 44 | 3 59 |
| S 17 | 19 49 | 19 19 | 3 43 | 16 31 | 4 36 | 4 20 | 0 42 | 8 32 | 0 52 | 23 13 | 0 1 | 8 48 | 1 59 | 23 37 | 0 10 | 8 17 | 1 5 | 4 14 | 16 32 | 18 55 | 18 37 | 12 6 | 3 42 | 3 58 |
| S 18 | 19 36 | 16 53 | 4 24 | 16 46 | 4 27 | 3 52 | 0 48 | 8 17 | 0 52 | 23 12 | 0 1 | 8 45 | 1 59 | 23 37 | 0 10 | 8 17 | 1 5 | 4 14 | 16 32 | 18 53 | 18 36 | 12 8 | 3 39 | 3 58 |
| M19 | 19 23 | 13 28 | 4 52 | 17 1 | 4 17 | 3 25 | 0 55 | 8 2 | 0 51 | 23 11 | 0 1 | 8 43 | 1 59 | 23 37 | 0 10 | 8 18 | 1 5 | 4 14 | 16 33 | 18 50 | 18 35 | 12 10 | 3 37 | 3 57 |
| T 20 | 19 9 | 9 15 | 5 2 | 17 17 | 4 6 | 2 57 | 1 2 | 7 47 | 0 50 | 23 10 | 0 1 | 8 40 | 1 59 | 23 37 | 0 10 | 8 18 | 1 6 | 4 14 | 16 33 | 18 47 | 18 35 | 12 12 | 3 35 | 3 57 |
| W21 | 18 55 | 4 28 | 4 54 | 17 33 | 3 53 | 2 29 | 1 9 | 7 32 | 0 50 | 23 10 | 0 2 | 8 38 | 1 59 | 23 37 | 0 10 | 8 19 | 1 6 | 4 15 | 16 33 | 18 45 | 18 34 | 12 13 | 3 32 | 3 56 |
| T 22 | 18 41 | 0n35 | 4 28 | 17 49 | 3 39 | 2 2 | 1 16 | 7 17 | 0 49 | 23 9 | 0 2 | 8 35 | 1 58 | 23 37 | 0 10 | 8 19 | 1 6 | 4 15 | 16 34 | 18 43 | 18 33 | 12 15 | 3 30 | 3 56 |
| F 23 | 18 26 | 5 37 | 3 45 | 18 5 | 3 25 | 1 34 | 1 24 | 7 2 | 0 49 | 23 8 | 0 2 | 8 32 | 1 58 | 23 38 | 0 10 | 8 20 | 1 6 | 4 15 | 16 34 | 18 41 | 18 32 | 12 17 | 3 27 | 3 55 |
| S 24 | 18 12 | 10 20 | 2 48 | 18 20 | 3 9 | 1 7 | 1 31 | 6 47 | 0 48 | 23 7 | 0 2 | 8 30 | 1 58 | 23 38 | 0 10 | 8 21 | 1 6 | 4 16 | 16 34 | 18 41 | 18 31 | 12 18 | 3 25 | 3 55 |
| S 25 | 17 56 | 14 27 | 1 41 | 18 35 | 2 53 | 0 40 | 1 39 | 6 32 | 0 47 | 23 6 | 0 2 | 8 27 | 1 58 | 23 38 | 0 10 | 8 21 | 1 6 | 4 16 | 16 35 | 18 40 | 18 31 | 12 20 | 3 22 | 3 54 |
| M26 | 17 41 | 17 43 | 0 28 | 18 50 | 2 37 | 0 13 | 1 46 | 6 16 | 0 47 | 23 5 | 0 2 | 8 25 | 1 58 | 23 38 | 0 10 | 8 22 | 1 6 | 4 16 | 16 35 | 18 40 | 18 30 | 12 22 | 3 20 | 3 54 |
| T 27 | 17 25 | 19 53 | 0s46 | 19 3 | 2 20 | 0s14 | 1 54 | 6 1 | 0 46 | 23 4 | 0 2 | 8 22 | 1 58 | 23 38 | 0 10 | 8 22 | 1 6 | 4 17 | 16 35 | 18 40 | 18 29 | 12 23 | 3 17 | 3 54 |
| W28 | 17 9 | 20 50 | 1 56 | 19 15 | 2 3 | 0 41 | 2 2 | 5 46 | 0 46 | 23 3 | 0 2 | 8 19 | 1 58 | 23 38 | 0 10 | 8 23 | 1 6 | 4 17 | 16 36 | 18 40 | 18 28 | 12 25 | 3 14 | 3 53 |
| T 29 | 16 53 | 20 32 | 2 59 | 19 25 | 1 46 | 1 8 | 2 10 | 5 30 | 0 45 | 23 2 | 0 2 | 8 17 | 1 58 | 23 38 | 0 10 | 8 23 | 1 6 | 4 17 | 16 36 | 18 39 | 18 27 | 12 27 | 3 12 | 3 53 |
| F 30 | 16 36 | 19 3 | 3 51 | 19 34 | 1 29 | 1 34 | 2 18 | 5 15 | 0 44 | 23 1 | 0 2 | 8 14 | 1 58 | 23 38 | 0 10 | 8 24 | 1 6 | 4 18 | 16 36 | 18 37 | 18 27 | 12 29 | 3 9 | 3 52 |
| S 31 | 16n19 | 16n32 | 4s29 | 19n42 | 1s13 | 2s 1 | 2s27 | 4n59 | 0n44 | 23n 0 | 0n 3 | 8n11 | 1n58 | 23n38 | 0n10 | 8s24 | 1s 6 | 4s18 | 16s37 | 18s35 | 18s26 | 12s30 | 3n 6 | 3s52 |

Julian Day Number = 2218344.5, Delta T = 08m52s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'03, Lahiri = 14°57'03 Julian Calendar 1 July 1361 == Greg. Calendar 9 July 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## AUGUST 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 10 19 | 16♌13'01 | 9♌34 | 27♋38 | 0♎11 | 19♍46 | 12♋25 | 13♍57 | 26♊22 | 11°R10 | 29°R17 | 22°R47 | 22♏20 | 27♎ 8 | 13♍12 | S 1 |
| M 2 | 21 14 16 | 17°10'47 | 22°30 | 28°40 | 0°56 | 20°25 | 12°37 | 14° 4 | 26°25 | 11♓ 9 | 29♈17 | 22♏34 | 22°17 | 27°14 | 13°20 | M 2 |
| T 3 | 21 18 13 | 18° 8'34 | 5♍11 | 29°47 | 1°41 | 21° 3 | 12°49 | 14°11 | 26°27 | 11° 7 | 29°17 | 22°21 | 22°14 | 27°21 | 13°28 | T 3 |
| W 4 | 21 22 9 | 19° 6'23 | 17°37 | 1♌ 1 | 2°24 | 21°41 | 13° 1 | 14°18 | 26°30 | 11° 6 | 29°17 | 22°10 | 22°11 | 27°28 | 13°36 | W 4 |
| T 5 | 21 26 6 | 20° 4'13 | 29°49 | 2°21 | 3° 7 | 22°20 | 13°13 | 14°25 | 26°32 | 11° 4 | 29°16 | 22° 0 | 22° 7 | 27°34 | 13°45 | T 5 |
| F 6 | 21 30 2 | 21° 2'05 | 11♎50 | 3°46 | 3°48 | 22°58 | 13°25 | 14°32 | 26°35 | 11° 3 | 29°16 | 21°53 | 22° 4 | 27°41 | 13°53 | F 6 |
| S 7 | 21 33 59 | 21°59'58 | 23°42 | 5°16 | 4°29 | 23°37 | 13°37 | 14°39 | 26°37 | 11° 1 | 29°16 | 21°48 | 22° 1 | 27°48 | 14° 1 | S 7 |
| S 8 | 21 37 55 | 22°57'52 | 5♏30 | 6°50 | 5° 8 | 24°15 | 13°49 | 14°46 | 26°39 | 10°59 | 29°15 | 21°46 | 21°58 | 27°54 | 14° 9 | S 8 |
| M 9 | 21 41 52 | 23°55'47 | 17°19 | 8°29 | 5°46 | 24°54 | 14° 1 | 14°54 | 26°42 | 10°58 | 29°15 | 21°45 | 21°55 | 28° 1 | 14°18 | M 9 |
| T 10 | 21 45 48 | 24°53'44 | 29°14 | 10°11 | 6°24 | 25°33 | 14°13 | 15° 1 | 26°44 | 10°56 | 29°15 | 21°45 | 21°52 | 28° 8 | 14°26 | T 10 |
| W11 | 21 49 45 | 25°51'42 | 11♐21 | 11°57 | 6°59 | 26°11 | 14°24 | 15° 8 | 26°46 | 10°55 | 29°14 | 21°45 | 21°48 | 28°14 | 14°34 | W11 |
| T 12 | 21 53 42 | 26°49'42 | 23°44 | 13°45 | 7°34 | 26°50 | 14°36 | 15°15 | 26°48 | 10°53 | 29°14 | 21°43 | 21°45 | 28°21 | 14°43 | T 12 |
| F 13 | 21 57 38 | 27°47'43 | 6♑29 | 15°36 | 8° 8 | 27°29 | 14°48 | 15°22 | 26°51 | 10°52 | 29°13 | 21°38 | 21°42 | 28°28 | 14°51 | F 13 |
| S 14 | 22 1 35 | 28°45'45 | 19°39 | 17°29 | 8°40 | 28° 8 | 14°59 | 15°29 | 26°53 | 10°50 | 29°13 | 21°31 | 21°39 | 28°34 | 15° 0 | S 14 |
| S 15 | 22 5 31 | 29°43'49 | 3♒14 | 19°23 | 9°10 | 28°47 | 15°10 | 15°37 | 26°55 | 10°48 | 29°12 | 21°22 | 21°36 | 28°41 | 15° 8 | S 15 |
| M16 | 22 9 28 | 0♍41'55 | 17°15 | 21°18 | 9°39 | 29°26 | 15°22 | 15°44 | 26°57 | 10°47 | 29°12 | 21°11 | 21°32 | 28°47 | 15°17 | M16 |
| T 17 | 22 13 24 | 1°40'02 | 1♓36 | 23°14 | 10° 7 | 0♎ 5 | 15°33 | 15°51 | 26°59 | 10°45 | 29°11 | 20°59 | 21°29 | 28°54 | 15°25 | T 17 |
| W18 | 22 17 21 | 2°38'10 | 16°12 | 25°10 | 10°33 | 0°44 | 15°44 | 15°59 | 27° 1 | 10°43 | 29°11 | 20°49 | 21°26 | 29° 1 | 15°34 | W18 |
| T 19 | 22 21 17 | 3°36'21 | 0♈56 | 27° 7 | 10°57 | 1°23 | 15°55 | 16° 6 | 27° 3 | 10°42 | 29°10 | 20°40 | 21°23 | 29° 7 | 15°42 | T 19 |
| F 20 | 22 25 14 | 4°34'33 | 15°39 | 29° 3 | 11°20 | 2° 2 | 16° 6 | 16°13 | 27° 5 | 10°40 | 29°10 | 20°33 | 21°20 | 29°14 | 15°51 | F 20 |
| S 21 | 22 29 10 | 5°32'48 | 0♉15 | 0♍59 | 11°41 | 2°41 | 16°17 | 16°21 | 27° 6 | 10°39 | 29° 9 | 20°30 | 21°17 | 29°21 | 16° 0 | S 21 |
| S 22 | 22 33 7 | 6°31'04 | 14°40 | 2°55 | 12° 0 | 3°21 | 16°28 | 16°28 | 27° 8 | 10°37 | 29° 8 | 20°D29 | 21°13 | 29°27 | 16° 8 | S 22 |
| M23 | 22 37 4 | 7°29'23 | 28°50 | 4°50 | 12°17 | 4° 0 | 16°39 | 16°35 | 27°10 | 10°35 | 29° 8 | 20°29 | 21°10 | 29°34 | 16°17 | M23 |
| T 24 | 22 41 0 | 8°27'44 | 12♊45 | 6°44 | 12°33 | 4°40 | 16°49 | 16°43 | 27°12 | 10°34 | 29° 7 | 20°R29 | 21° 7 | 29°41 | 16°25 | T 24 |
| W25 | 22 44 57 | 9°26'07 | 26°24 | 8°38 | 12°46 | 5°19 | 17° 0 | 16°50 | 27°13 | 10°32 | 29° 6 | 20°28 | 21° 4 | 29°47 | 16°34 | W25 |
| T 26 | 22 48 53 | 10°24'32 | 9♋50 | 10°30 | 12°58 | 5°59 | 17°10 | 16°58 | 27°15 | 10°30 | 29° 6 | 20°24 | 21° 1 | 29°54 | 16°43 | T 26 |
| F 27 | 22 52 50 | 11°23'00 | 23° 3 | 12°22 | 13° 7 | 6°38 | 17°21 | 17° 5 | 27°16 | 10°29 | 29° 5 | 20°19 | 20°58 | 0♏ 1 | 16°51 | F 27 |
| S 28 | 22 56 46 | 12°21'29 | 6♌ 3 | 14°13 | 13°14 | 7°18 | 17°31 | 17°12 | 27°18 | 10°27 | 29° 4 | 20°10 | 20°54 | 0° 7 | 17° 0 | S 28 |
| S 29 | 23 0 43 | 13°20'01 | 18°52 | 16° 3 | 13°19 | 7°57 | 17°41 | 17°20 | 27°19 | 10°25 | 29° 4 | 19°59 | 20°51 | 0°14 | 17° 9 | S 29 |
| M30 | 23 4 39 | 14°18'34 | 1♍29 | 17°52 | 13°22 | 8°37 | 17°51 | 17°27 | 27°21 | 10°24 | 29° 3 | 19°48 | 20°48 | 0°21 | 17°17 | M30 |
| T 31 | 23 8 36 | 15♍17'10 | 13♍54 | 19♍39 | 13°R22 | 9♎17 | 18♋ 1 | 17♍35 | 27♊22 | 10♓22 | 29♈ 2 | 19♏36 | 20♏45 | 0♏27 | 17♍26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 2 | 13n13 | 4s53 | 19n47 | 0s56 | 2s27 | 2s35 | 4n44 | 0n43 | 22n59 | 0n 3 | 8n 9 | 1n58 | 23n38 | 0n10 | 8s25 | 1s 6 | 4s18 | 16s37 | 18s32 | 18s25 | 12s32 | 3n 4 | 3s51 |
| M 2 | 15 44 | 9 19 | 5 0 | 19 50 | 0 40 | 2 53 | 2 44 | 4 28 | 0 43 | 22 58 | 0 3 | 8 6 | 1 58 | 23 39 | 0 10 | 8 26 | 1 6 | 4 19 | 16 37 | 18 29 | 18 24 | 12 34 | 3 1 | 3 51 |
| T 3 | 15 27 | 5 6 | 4 53 | 19 51 | 0 25 | 3 18 | 2 52 | 4 12 | 0 42 | 22 57 | 0 3 | 8 3 | 1 58 | 23 39 | 0 10 | 8 26 | 1 6 | 4 19 | 16 38 | 18 25 | 18 23 | 12 35 | 2 58 | 3 51 |
| W 4 | 15 9 | 0 44 | 4 32 | 19 50 | 0 10 | 3 44 | 3 1 | 3 56 | 0 41 | 22 56 | 0 3 | 8 0 | 1 58 | 23 39 | 0 10 | 8 27 | 1 6 | 4 20 | 16 38 | 18 22 | 18 23 | 12 37 | 2 56 | 3 50 |
| T 5 | 14 50 | 3s34 | 3 58 | 19 46 | 0n 4 | 4 9 | 3 10 | 3 41 | 0 41 | 22 55 | 0 3 | 7 58 | 1 58 | 23 39 | 0 10 | 8 27 | 1 6 | 4 20 | 16 38 | 18 20 | 18 22 | 12 39 | 2 53 | 3 50 |
| F 6 | 14 32 | 7 41 | 3 15 | 19 39 | 0 17 | 4 33 | 3 19 | 3 25 | 0 40 | 22 54 | 0 3 | 7 55 | 1 58 | 23 39 | 0 10 | 8 28 | 1 6 | 4 20 | 16 38 | 18 18 | 18 21 | 12 40 | 2 50 | 3 49 |
| S 7 | 14 13 | 11 27 | 2 23 | 19 29 | 0 29 | 4 58 | 3 28 | 3 9 | 0 40 | 22 53 | 0 3 | 7 52 | 1 58 | 23 39 | 0 10 | 8 29 | 1 6 | 4 21 | 16 39 | 18 17 | 18 20 | 12 42 | 2 47 | 3 49 |
| S 8 | 13 55 | 14 44 | 1 25 | 19 17 | 0 41 | 5 22 | 3 37 | 2 53 | 0 39 | 22 51 | 0 3 | 7 49 | 1 58 | 23 39 | 0 10 | 8 29 | 1 6 | 4 21 | 16 39 | 18 16 | 18 19 | 12 44 | 2 44 | 3 49 |
| M 9 | 13 35 | 17 26 | 0 24 | 19 2 | 0 52 | 5 46 | 3 46 | 2 37 | 0 38 | 22 50 | 0 4 | 7 47 | 1 58 | 23 39 | 0 10 | 8 30 | 1 6 | 4 22 | 16 39 | 18 16 | 18 18 | 12 45 | 2 41 | 3 48 |
| T 10 | 13 16 | 19 25 | 0n40 | 18 44 | 1 1 | 6 9 | 3 56 | 2 21 | 0 38 | 22 49 | 0 4 | 7 44 | 1 58 | 23 39 | 0 10 | 8 30 | 1 6 | 4 22 | 16 40 | 18 16 | 18 18 | 12 47 | 2 39 | 3 48 |
| W11 | 12 57 | 20 32 | 1 42 | 18 23 | 1 10 | 6 32 | 4 5 | 2 5 | 0 37 | 22 48 | 0 4 | 7 41 | 1 58 | 23 39 | 0 10 | 8 31 | 1 6 | 4 22 | 16 40 | 18 16 | 18 17 | 12 48 | 2 36 | 3 48 |
| T 12 | 12 37 | 20 42 | 2 41 | 18 0 | 1 18 | 6 54 | 4 15 | 1 49 | 0 37 | 22 47 | 0 4 | 7 38 | 1 58 | 23 39 | 0 10 | 8 32 | 1 6 | 4 23 | 16 40 | 18 15 | 18 16 | 12 50 | 2 33 | 3 47 |
| F 13 | 12 17 | 19 49 | 3 33 | 17 34 | 1 25 | 7 16 | 4 24 | 1 33 | 0 36 | 22 46 | 0 4 | 7 35 | 1 58 | 23 39 | 0 10 | 8 32 | 1 6 | 4 23 | 16 41 | 18 14 | 18 15 | 12 52 | 2 30 | 3 47 |
| S 14 | 11 57 | 17 51 | 4 16 | 17 5 | 1 31 | 7 38 | 4 34 | 1 17 | 0 35 | 22 45 | 0 4 | 7 33 | 1 58 | 23 39 | 0 10 | 8 33 | 1 6 | 4 24 | 16 41 | 18 12 | 18 14 | 12 53 | 2 27 | 3 47 |
| S 15 | 11 36 | 14 51 | 4 46 | 16 34 | 1 36 | 7 59 | 4 43 | 1 1 | 0 35 | 22 43 | 0 4 | 7 30 | 1 58 | 23 40 | 0 10 | 8 34 | 1 6 | 4 24 | 16 41 | 18 10 | 18 13 | 12 55 | 2 24 | 3 46 |
| M16 | 11 16 | 10 57 | 5 0 | 16 1 | 1 40 | 8 19 | 4 53 | 0 45 | 0 34 | 22 42 | 0 4 | 7 27 | 1 58 | 23 40 | 0 10 | 8 34 | 1 6 | 4 24 | 16 41 | 18 7 | 18 13 | 12 57 | 2 21 | 3 46 |
| T 17 | 10 55 | 6 20 | 4 56 | 15 26 | 1 43 | 8 39 | 5 3 | 0 29 | 0 34 | 22 41 | 0 4 | 7 24 | 1 58 | 23 40 | 0 10 | 8 35 | 1 6 | 4 25 | 16 42 | 18 4 | 18 12 | 12 58 | 2 18 | 3 46 |
| W18 | 10 34 | 1 16 | 4 32 | 14 50 | 1 45 | 8 59 | 5 13 | 0 13 | 0 33 | 22 40 | 0 5 | 7 21 | 1 58 | 23 40 | 0 11 | 8 35 | 1 6 | 4 25 | 16 42 | 18 1 | 18 11 | 13 0 | 2 15 | 3 45 |
| T 19 | 10 13 | 3n54 | 3 51 | 14 11 | 1 47 | 9 17 | 5 22 | 0s 3 | 0 32 | 22 39 | 0 5 | 7 18 | 1 58 | 23 40 | 0 11 | 8 36 | 1 6 | 4 26 | 16 42 | 17 59 | 18 10 | 13 2 | 2 12 | 3 45 |
| F 20 | 9 52 | 8 51 | 2 53 | 13 31 | 1 47 | 9 35 | 5 32 | 0 20 | 0 32 | 22 37 | 0 5 | 7 16 | 1 58 | 23 40 | 0 11 | 8 37 | 1 6 | 4 26 | 16 42 | 17 57 | 18 9 | 13 3 | 2 9 | 3 45 |
| S 21 | 9 31 | 13 14 | 1 45 | 12 50 | 1 48 | 9 52 | 5 42 | 0 36 | 0 31 | 22 36 | 0 5 | 7 13 | 1 58 | 23 40 | 0 11 | 8 37 | 1 6 | 4 27 | 16 43 | 17 56 | 18 8 | 13 5 | 2 6 | 3 44 |
| S 22 | 9 9 | 16 47 | 0 31 | 12 8 | 1 47 | 10 9 | 5 52 | 0 52 | 0 31 | 22 35 | 0 5 | 7 10 | 1 58 | 23 40 | 0 11 | 8 38 | 1 6 | 4 27 | 16 43 | 17 56 | 18 8 | 13 6 | 2 3 | 3 44 |
| M23 | 8 47 | 19 15 | 0s44 | 11 25 | 1 46 | 10 25 | 6 1 | 1 8 | 0 30 | 22 34 | 0 5 | 7 7 | 1 58 | 23 40 | 0 11 | 8 39 | 1 6 | 4 28 | 16 43 | 17 56 | 18 7 | 13 8 | 2 0 | 3 44 |
| T 24 | 8 25 | 20 30 | 1 55 | 10 41 | 1 44 | 10 40 | 6 11 | 1 25 | 0 29 | 22 33 | 0 5 | 7 4 | 1 58 | 23 40 | 0 11 | 8 39 | 1 6 | 4 28 | 16 44 | 17 56 | 18 6 | 13 10 | 1 57 | 3 43 |
| W25 | 8 4 | 20 30 | 2 59 | 9 56 | 1 42 | 10 54 | 6 21 | 1 41 | 0 29 | 22 31 | 0 5 | 7 1 | 1 58 | 23 40 | 0 11 | 8 40 | 1 6 | 4 28 | 16 44 | 17 55 | 18 5 | 13 11 | 1 54 | 3 43 |
| T 26 | 7 41 | 19 19 | 3 51 | 9 10 | 1 39 | 11 7 | 6 30 | 1 57 | 0 28 | 22 30 | 0 5 | 6 58 | 1 58 | 23 40 | 0 11 | 8 41 | 1 6 | 4 29 | 16 44 | 17 55 | 18 4 | 13 13 | 1 50 | 3 43 |
| F 27 | 7 19 | 17 7 | 4 30 | 8 25 | 1 35 | 11 19 | 6 39 | 2 13 | 0 28 | 22 29 | 0 6 | 6 55 | 1 58 | 23 40 | 0 11 | 8 41 | 1 6 | 4 29 | 16 44 | 17 53 | 18 3 | 13 14 | 1 47 | 3 43 |
| S 28 | 6 57 | 14 4 | 4 54 | 7 38 | 1 32 | 11 30 | 6 49 | 2 30 | 0 27 | 22 28 | 0 6 | 6 53 | 1 58 | 23 40 | 0 11 | 8 42 | 1 6 | 4 30 | 16 44 | 17 51 | 18 3 | 13 16 | 1 44 | 3 42 |
| S 29 | 6 34 | 10 25 | 5 3 | 6 52 | 1 27 | 11 40 | 6 58 | 2 46 | 0 26 | 22 27 | 0 6 | 6 50 | 1 58 | 23 40 | 0 11 | 8 42 | 1 6 | 4 30 | 16 45 | 17 48 | 18 2 | 13 17 | 1 41 | 3 42 |
| M30 | 6 12 | 6 22 | 4 57 | 6 5 | 1 23 | 11 49 | 7 6 | 3 2 | 0 26 | 22 25 | 0 6 | 6 47 | 1 58 | 23 40 | 0 11 | 8 43 | 1 6 | 4 31 | 16 45 | 17 45 | 18 1 | 13 19 | 1 38 | 3 42 |
| T 31 | 5n49 | 2n 6 | 4s36 | 5n18 | 1n18 | 11s57 | 7s15 | 3s18 | 0n25 | 22n24 | 0n 6 | 6n44 | 1n58 | 23n40 | 0n11 | 8s44 | 1s 6 | 4s31 | 16s45 | 17s42 | 18s 0 | 13s21 | 1n35 | 3s42 |

Julian Day Number = 2218375.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'07, Lahiri = 14°57'08 Julian Calendar 1 Aug. 1361 == Greg. Calendar 9 Aug. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## SEPTEMBER 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 12 33 | 16♍15'47 | 26♍ 8 | 21♍26 | 13°R20 | 9♎57 | 18♋11 | 17♍42 | 27♊23 | 10°R20 | 29°R 1 | 19°R25 | 20♏42 | 0♏34 | 17♍35 | W 1 |
| T 2 | 23 16 29 | 17°14'26 | 8♎12 | 23°12 | 13♎16 | 10°37 | 18°21 | 17°50 | 27°24 | 10♓19 | 29♈ 1 | 19♏16 | 20°38 | 0°41 | 17°44 | T 2 |
| F 3 | 23 20 26 | 18°13'08 | 20° 7 | 24°57 | 13° 9 | 11°17 | 18°30 | 17°57 | 27°26 | 10°17 | 29° 0 | 19° 9 | 20°35 | 0°47 | 17°52 | F 3 |
| S 4 | 23 24 22 | 19°11'51 | 1♏56 | 26°40 | 13° 0 | 11°57 | 18°40 | 18° 5 | 27°27 | 10°15 | 28°59 | 19° 5 | 20°32 | 0°54 | 18° 1 | S 4 |
| S 5 | 23 28 19 | 20°10'36 | 13°42 | 28°23 | 12°49 | 12°37 | 18°49 | 18°12 | 27°28 | 10°14 | 28°58 | 19°D 4 | 20°29 | 1° 1 | 18°10 | S 5 |
| M 6 | 23 32 15 | 21° 9'22 | 25°30 | 0♎ 5 | 12°35 | 13°17 | 18°59 | 18°19 | 27°29 | 10°12 | 28°57 | 19° 4 | 20°26 | 1° 7 | 18°18 | M 6 |
| T 7 | 23 36 12 | 22° 8'11 | 7♐23 | 1°45 | 12°19 | 13°57 | 19° 8 | 18°27 | 27°30 | 10°11 | 28°56 | 19° 5 | 20°23 | 1°14 | 18°27 | T 7 |
| W 8 | 23 40 8 | 23° 7'01 | 19°28 | 3°25 | 12° 0 | 14°37 | 19°17 | 18°34 | 27°31 | 10° 9 | 28°56 | 19°R 5 | 20°19 | 1°21 | 18°36 | W 8 |
| T 9 | 23 44 5 | 24° 5'53 | 1♑49 | 5° 4 | 11°39 | 15°17 | 19°26 | 18°42 | 27°32 | 10° 7 | 28°55 | 19° 5 | 20°16 | 1°27 | 18°45 | T 9 |
| F 10 | 23 48 2 | 25° 4'47 | 14°31 | 6°42 | 11°16 | 15°58 | 19°35 | 18°49 | 27°33 | 10° 6 | 28°54 | 19° 3 | 20°13 | 1°34 | 18°53 | F 10 |
| S 11 | 23 51 58 | 26° 3'43 | 27°40 | 8°19 | 10°51 | 16°38 | 19°43 | 18°57 | 27°33 | 10° 4 | 28°53 | 18°59 | 20°10 | 1°40 | 19° 2 | S 11 |
| S 12 | 23 55 55 | 27° 2'40 | 11♒16 | 9°55 | 10°24 | 17°19 | 19°52 | 19° 4 | 27°34 | 10° 3 | 28°52 | 18°53 | 20° 7 | 1°47 | 19°11 | S 12 |
| M13 | 23 59 51 | 28° 1'39 | 25°21 | 11°30 | 9°55 | 17°59 | 20° 0 | 19°11 | 27°35 | 10° 1 | 28°51 | 18°46 | 20° 3 | 1°54 | 19°19 | M13 |
| T 14 | 0 3 48 | 29° 0'40 | 9♓52 | 13° 5 | 9°25 | 18°40 | 20° 9 | 19°19 | 27°35 | 9°59 | 28°50 | 18°38 | 20° 0 | 2° 0 | 19°28 | T 14 |
| W15 | 0 7 44 | 29°59'43 | 24°43 | 14°38 | 8°53 | 19°20 | 20°17 | 19°26 | 27°36 | 9°58 | 28°49 | 18°30 | 19°57 | 2° 7 | 19°37 | W15 |
| T 16 | 0 11 41 | 0♎58'48 | 9♈45 | 16°11 | 8°19 | 20° 1 | 20°25 | 19°33 | 27°36 | 9°56 | 28°48 | 18°24 | 19°54 | 2°14 | 19°45 | T 16 |
| F 17 | 0 15 37 | 1°57'55 | 24°50 | 17°43 | 7°45 | 20°42 | 20°33 | 19°41 | 27°37 | 9°55 | 28°47 | 18°20 | 19°51 | 2°20 | 19°54 | F 17 |
| S 18 | 0 19 34 | 2°57'05 | 9♉48 | 19°14 | 7° 9 | 21°22 | 20°41 | 19°48 | 27°37 | 9°53 | 28°46 | 18°18 | 19°48 | 2°27 | 20° 2 | S 18 |
| S 19 | 0 23 30 | 3°56'16 | 24°32 | 20°44 | 6°33 | 22° 3 | 20°49 | 19°55 | 27°38 | 9°52 | 28°45 | 18°D18 | 19°44 | 2°34 | 20°11 | S 19 |
| M20 | 0 27 27 | 4°55'30 | 8♊57 | 22°14 | 5°56 | 22°44 | 20°56 | 20° 3 | 27°38 | 9°50 | 28°44 | 18°19 | 19°41 | 2°40 | 20°20 | M20 |
| T 21 | 0 31 24 | 5°54'47 | 23° 1 | 23°42 | 5°19 | 23°25 | 21° 4 | 20°10 | 27°38 | 9°49 | 28°43 | 18°20 | 19°38 | 2°47 | 20°28 | T 21 |
| W22 | 0 35 20 | 6°54'06 | 6♋43 | 25°10 | 4°43 | 24° 6 | 21°11 | 20°17 | 27°38 | 9°48 | 28°42 | 18°R21 | 19°35 | 2°54 | 20°37 | W22 |
| T 23 | 0 39 17 | 7°53'27 | 20° 4 | 26°37 | 4° 6 | 24°47 | 21°18 | 20°24 | 27°39 | 9°46 | 28°41 | 18°20 | 19°32 | 3° 0 | 20°45 | T 23 |
| F 24 | 0 43 13 | 8°52'50 | 3♌ 6 | 28° 4 | 3°30 | 25°28 | 21°25 | 20°32 | 27°39 | 9°45 | 28°40 | 18°17 | 19°29 | 3° 7 | 20°54 | F 24 |
| S 25 | 0 47 10 | 9°52'16 | 15°53 | 29°29 | 2°55 | 26° 9 | 21°32 | 20°39 | 27°R39 | 9°43 | 28°39 | 18°13 | 19°25 | 3°14 | 21° 2 | S 25 |
| S 26 | 0 51 6 | 10°51'44 | 28°25 | 0♏53 | 2°21 | 26°50 | 21°39 | 20°46 | 27°39 | 9°42 | 28°38 | 18° 7 | 19°22 | 3°20 | 21°10 | S 26 |
| M27 | 0 55 3 | 11°51'14 | 10♍46 | 2°17 | 1°48 | 27°32 | 21°45 | 20°53 | 27°39 | 9°41 | 28°37 | 18° 1 | 19°19 | 3°27 | 21°19 | M27 |
| T 28 | 0 58 59 | 12°50'47 | 22°56 | 3°39 | 1°17 | 28°13 | 21°52 | 21° 0 | 27°39 | 9°39 | 28°36 | 17°54 | 19°16 | 3°34 | 21°27 | T 28 |
| W29 | 1 2 56 | 13°50'21 | 4♎59 | 5° 1 | 0°47 | 28°54 | 21°58 | 21° 7 | 27°38 | 9°38 | 28°35 | 17°48 | 19°13 | 3°40 | 21°36 | W29 |
| T 30 | 1 6 53 | 14♎49'58 | 16♎54 | 6♏22 | 0♎19 | 29♎36 | 22♋ 4 | 21♍14 | 27♊38 | 9♓37 | 28♈33 | 17♏43 | 19♏ 9 | 3♏47 | 21♍44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n26 | 2s11 | 4s 4 | 4n31 | 1n13 | 12s 4 | 7s23 | 3s35 | 0n24 | 22n23 | 0n 6 | 6n41 | 1n58 | 23n40 | 0n11 | 8s44 | 1s 6 | 4s32 | 16s45 | 17s39 | 17s59 | 13s22 | 1n32 | 3s41 |
| T 2 | 5 3 | 6 20 | 3 20 | 3 45 | 1 8 | 12 10 | 7 31 | 3 51 | 0 24 | 22 22 | 0 6 | 6 38 | 1 58 | 23 40 | 0 11 | 8 45 | 1 6 | 4 32 | 16 46 | 17 36 | 17 58 | 13 24 | 1 28 | 3 41 |
| F 3 | 4 40 | 10 11 | 2 28 | 2 58 | 1 2 | 12 14 | 7 38 | 4 7 | 0 23 | 22 21 | 0 6 | 6 35 | 1 58 | 23 41 | 0 11 | 8 46 | 1 6 | 4 33 | 16 46 | 17 34 | 17 58 | 13 25 | 1 25 | 3 41 |
| S 4 | 4 17 | 13 36 | 1 30 | 2 11 | 0 56 | 12 17 | 7 45 | 4 23 | 0 23 | 22 19 | 0 7 | 6 32 | 1 58 | 23 41 | 0 11 | 8 46 | 1 6 | 4 33 | 16 46 | 17 33 | 17 57 | 13 27 | 1 22 | 3 41 |
| S 5 | 3 54 | 16 28 | 0 29 | 1 25 | 0 50 | 12 19 | 7 52 | 4 40 | 0 22 | 22 18 | 0 7 | 6 29 | 1 58 | 23 41 | 0 11 | 8 47 | 1 6 | 4 34 | 16 46 | 17 33 | 17 56 | 13 28 | 1 19 | 3 40 |
| M 6 | 3 31 | 18 39 | 0n35 | 0 38 | 0 44 | 12 19 | 7 58 | 4 56 | 0 21 | 22 17 | 0 7 | 6 27 | 1 58 | 23 41 | 0 11 | 8 47 | 1 6 | 4 34 | 16 46 | 17 33 | 17 55 | 13 30 | 1 16 | 3 40 |
| T 7 | 3 8 | 20 1 | 1 37 | 0s 8 | 0 37 | 12 18 | 8 4 | 5 12 | 0 21 | 22 16 | 0 7 | 6 24 | 1 58 | 23 41 | 0 11 | 8 48 | 1 6 | 4 35 | 16 47 | 17 33 | 17 54 | 13 32 | 1 12 | 3 40 |
| W 8 | 2 44 | 20 31 | 2 36 | 0 54 | 0 31 | 12 15 | 8 9 | 5 28 | 0 20 | 22 15 | 0 7 | 6 21 | 1 58 | 23 41 | 0 11 | 8 49 | 1 6 | 4 35 | 16 47 | 17 33 | 17 53 | 13 33 | 1 9 | 3 40 |
| T 9 | 2 21 | 20 1 | 3 29 | 1 39 | 0 24 | 12 11 | 8 13 | 5 44 | 0 20 | 22 14 | 0 7 | 6 18 | 1 58 | 23 41 | 0 11 | 8 49 | 1 6 | 4 36 | 16 47 | 17 33 | 17 52 | 13 35 | 1 6 | 3 40 |
| F 10 | 1 58 | 18 31 | 4 14 | 2 24 | 0 17 | 12 5 | 8 17 | 6 1 | 0 19 | 22 12 | 0 7 | 6 15 | 1 58 | 23 41 | 0 11 | 8 50 | 1 6 | 4 36 | 16 47 | 17 33 | 17 52 | 13 36 | 1 3 | 3 39 |
| S 11 | 1 34 | 16 1 | 4 47 | 3 9 | 0 10 | 11 58 | 8 20 | 6 17 | 0 18 | 22 11 | 0 7 | 6 12 | 1 58 | 23 41 | 0 11 | 8 51 | 1 6 | 4 36 | 16 47 | 17 31 | 17 51 | 13 38 | 1 0 | 3 39 |
| S 12 | 1 11 | 12 34 | 5 5 | 3 53 | 0 3 | 11 49 | 8 22 | 6 33 | 0 18 | 22 10 | 0 8 | 6 9 | 1 58 | 23 41 | 0 11 | 8 51 | 1 6 | 4 37 | 16 48 | 17 30 | 17 50 | 13 39 | 0 56 | 3 39 |
| M13 | 0 47 | 8 19 | 5 5 | 4 37 | 0s 4 | 11 39 | 8 24 | 6 49 | 0 17 | 22 9 | 0 8 | 6 7 | 1 59 | 23 41 | 0 11 | 8 52 | 1 6 | 4 37 | 16 48 | 17 28 | 17 49 | 13 41 | 0 53 | 3 39 |
| T 14 | 0 24 | 3 28 | 4 47 | 5 21 | 0 11 | 11 28 | 8 25 | 7 5 | 0 17 | 22 8 | 0 8 | 6 4 | 1 59 | 23 41 | 0 11 | 8 52 | 1 6 | 4 38 | 16 48 | 17 26 | 17 48 | 13 42 | 0 50 | 3 39 |
| W15 | 0 0 | 1n42 | 4 9 | 6 4 | 0 18 | 11 15 | 8 24 | 7 21 | 0 16 | 22 7 | 0 8 | 6 1 | 1 59 | 23 41 | 0 11 | 8 53 | 1 6 | 4 38 | 16 48 | 17 24 | 17 47 | 13 44 | 0 47 | 3 39 |
| T 16 | 0s23 | 6 50 | 3 13 | 6 46 | 0 25 | 11 0 | 8 23 | 7 37 | 0 15 | 22 6 | 0 8 | 5 58 | 1 59 | 23 41 | 0 11 | 8 53 | 1 6 | 4 39 | 16 48 | 17 22 | 17 46 | 13 45 | 0 43 | 3 38 |
| F 17 | 0 47 | 11 34 | 2 4 | 7 28 | 0 32 | 10 45 | 8 21 | 7 53 | 0 15 | 22 5 | 0 8 | 5 55 | 1 59 | 23 41 | 0 11 | 8 54 | 1 6 | 4 39 | 16 48 | 17 21 | 17 46 | 13 47 | 0 40 | 3 38 |
| S 18 | 1 11 | 15 32 | 0 46 | 8 10 | 0 40 | 10 28 | 8 18 | 8 9 | 0 14 | 22 4 | 0 8 | 5 52 | 1 59 | 23 41 | 0 11 | 8 55 | 1 6 | 4 40 | 16 48 | 17 20 | 17 45 | 13 48 | 0 37 | 3 38 |
| S 19 | 1 34 | 18 25 | 0s34 | 8 51 | 0 47 | 10 10 | 8 14 | 8 25 | 0 13 | 22 3 | 0 8 | 5 50 | 1 59 | 23 41 | 0 11 | 8 55 | 1 6 | 4 40 | 16 49 | 17 20 | 17 44 | 13 50 | 0 34 | 3 38 |
| M20 | 1 58 | 20 4 | 1 50 | 9 31 | 0 54 | 9 51 | 8 9 | 8 40 | 0 13 | 22 2 | 0 9 | 5 47 | 1 59 | 23 41 | 0 11 | 8 56 | 1 6 | 4 41 | 16 49 | 17 20 | 17 43 | 13 51 | 0 31 | 3 38 |
| T 21 | 2 21 | 20 23 | 2 57 | 10 11 | 1 1 | 9 31 | 8 4 | 8 56 | 0 12 | 22 1 | 0 9 | 5 44 | 1 59 | 23 41 | 0 11 | 8 56 | 1 6 | 4 41 | 16 49 | 17 21 | 17 42 | 13 53 | 0 27 | 3 38 |
| W22 | 2 45 | 19 29 | 3 53 | 10 50 | 1 8 | 9 10 | 7 57 | 9 12 | 0 12 | 22 0 | 0 9 | 5 41 | 1 59 | 23 41 | 0 11 | 8 57 | 1 6 | 4 42 | 16 49 | 17 21 | 17 41 | 13 54 | 0 24 | 3 38 |
| T 23 | 3 8 | 17 30 | 4 34 | 11 28 | 1 15 | 8 49 | 7 50 | 9 28 | 0 11 | 21 59 | 0 9 | 5 38 | 1 59 | 23 41 | 0 11 | 8 57 | 1 6 | 4 42 | 16 49 | 17 21 | 17 40 | 13 56 | 0 21 | 3 37 |
| F 24 | 3 32 | 14 40 | 5 0 | 12 6 | 1 22 | 8 27 | 7 41 | 9 43 | 0 10 | 21 58 | 0 9 | 5 36 | 1 59 | 23 41 | 0 11 | 8 58 | 1 6 | 4 42 | 16 49 | 17 20 | 17 40 | 13 57 | 0 18 | 3 37 |
| S 25 | 3 55 | 11 11 | 5 11 | 12 43 | 1 29 | 8 4 | 7 32 | 9 59 | 0 10 | 21 57 | 0 9 | 5 33 | 2 0 | 23 41 | 0 11 | 8 58 | 1 6 | 4 43 | 16 49 | 17 19 | 17 39 | 13 59 | 0 14 | 3 37 |
| S 26 | 4 19 | 7 17 | 5 6 | 13 19 | 1 35 | 7 42 | 7 22 | 10 14 | 0 9 | 21 56 | 0 9 | 5 30 | 2 0 | 23 41 | 0 11 | 8 59 | 1 6 | 4 43 | 16 49 | 17 17 | 17 38 | 14 0 | 0 11 | 3 37 |
| M27 | 4 42 | 3 8 | 4 47 | 13 54 | 1 42 | 7 19 | 7 12 | 10 30 | 0 9 | 21 55 | 0 10 | 5 27 | 2 0 | 23 41 | 0 11 | 8 59 | 1 6 | 4 44 | 16 49 | 17 15 | 17 37 | 14 2 | 0 8 | 3 37 |
| T 28 | 5 5 | 1s 6 | 4 15 | 14 29 | 1 48 | 6 56 | 7 1 | 10 45 | 0 8 | 21 54 | 0 10 | 5 25 | 2 0 | 23 41 | 0 11 | 9 0 | 1 6 | 4 44 | 16 50 | 17 13 | 17 36 | 14 3 | 0 5 | 3 37 |
| W29 | 5 29 | 5 14 | 3 32 | 15 2 | 1 55 | 6 34 | 6 49 | 11 0 | 0 7 | 21 53 | 0 10 | 5 22 | 2 0 | 23 41 | 0 11 | 9 0 | 1 6 | 4 45 | 16 50 | 17 12 | 17 35 | 14 5 | 0 2 | 3 37 |
| T 30 | 5s52 | 9s 8 | 2s40 | 15s35 | 2s 1 | 6s11 | 6s37 | 11s16 | 0n 7 | 21n52 | 0n10 | 5n19 | 2n 0 | 23n41 | 0n11 | 9s 1 | 1s 6 | 4s45 | 16s50 | 17s10 | 17s34 | 14s 6 | 0s 2 | 3s37 |

Julian Day Number = 2218406.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'11, Lahiri = 14°57'12 Julian Calendar 1 Sept. 1361 == Greg. Calendar 9 Sept. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## OCTOBER 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 10 49 | 15♎49'37 | 28♎44 | 7♏41 | 29°R53 | 0♏17 | 22♋10 | 21♍21 | 27°R38 | 9°R35 | 28°R32 | 17°R40 | 19♏ 6 | 3♏53 | 21♍52 | F 1 |
| S 2 | 1 14 46 | 16°49'17 | 10♏31 | 8°59 | 29♍29 | 0°59 | 22°16 | 21°28 | 27♊38 | 9♓34 | 28♈31 | 17♏38 | 19° 3 | 4° 0 | 22° 1 | S 2 |
| S 3 | 1 18 42 | 17°49'00 | 22°17 | 10°16 | 29° 6 | 1°40 | 22°21 | 21°35 | 27°37 | 9°33 | 28°30 | 17°D38 | 19° 0 | 4° 7 | 22° 9 | S 3 |
| M 4 | 1 22 39 | 18°48'45 | 4♐ 6 | 11°32 | 28°47 | 2°22 | 22°27 | 21°42 | 27°37 | 9°32 | 28°29 | 17°39 | 18°57 | 4°13 | 22°17 | M 4 |
| T 5 | 1 26 35 | 19°48'31 | 16° 1 | 12°46 | 28°29 | 3° 4 | 22°32 | 21°49 | 27°36 | 9°31 | 28°28 | 17°41 | 18°54 | 4°20 | 22°25 | T 5 |
| W 6 | 1 30 32 | 20°48'19 | 28° 6 | 13°59 | 28°14 | 3°45 | 22°37 | 21°56 | 27°36 | 9°29 | 28°27 | 17°42 | 18°50 | 4°27 | 22°33 | W 6 |
| T 7 | 1 34 28 | 21°48'09 | 10♑25 | 15°10 | 28° 1 | 4°27 | 22°42 | 22° 3 | 27°35 | 9°28 | 28°26 | 17°44 | 18°47 | 4°33 | 22°41 | T 7 |
| F 8 | 1 38 25 | 22°48'01 | 23° 4 | 16°19 | 27°51 | 5° 9 | 22°47 | 22°10 | 27°35 | 9°27 | 28°25 | 17°R44 | 18°44 | 4°40 | 22°49 | F 8 |
| S 9 | 1 42 22 | 23°47'54 | 6♒ 6 | 17°26 | 27°43 | 5°51 | 22°52 | 22°16 | 27°34 | 9°26 | 28°23 | 17°44 | 18°41 | 4°47 | 22°57 | S 9 |
| S 10 | 1 46 18 | 24°47'49 | 19°34 | 18°31 | 27°38 | 6°33 | 22°56 | 22°23 | 27°33 | 9°25 | 28°22 | 17°42 | 18°38 | 4°53 | 23° 5 | S 10 |
| M11 | 1 50 15 | 25°47'46 | 3♓31 | 19°33 | 27°35 | 7°15 | 23° 0 | 22°30 | 27°32 | 9°24 | 28°21 | 17°40 | 18°34 | 5° 0 | 23°13 | M11 |
| T 12 | 1 54 11 | 26°47'44 | 17°56 | 20°32 | 27°D34 | 7°57 | 23° 4 | 22°36 | 27°31 | 9°23 | 28°20 | 17°37 | 18°31 | 5° 7 | 23°21 | T 12 |
| W13 | 1 58 8 | 27°47'44 | 2♈44 | 21°28 | 27°36 | 8°39 | 23° 8 | 22°43 | 27°31 | 9°22 | 28°19 | 17°34 | 18°28 | 5°13 | 23°29 | W13 |
| T 14 | 2 2 4 | 28°47'46 | 17°50 | 22°21 | 27°41 | 9°21 | 23°12 | 22°49 | 27°30 | 9°21 | 28°18 | 17°32 | 18°25 | 5°20 | 23°37 | T 14 |
| F 15 | 2 6 1 | 29°47'49 | 3♉ 5 | 23°10 | 27°47 | 10° 4 | 23°16 | 22°56 | 27°29 | 9°20 | 28°17 | 17°30 | 18°22 | 5°27 | 23°45 | F 15 |
| S 16 | 2 9 57 | 0♏47'55 | 18°17 | 23°54 | 27°56 | 10°46 | 23°19 | 23° 2 | 27°28 | 9°19 | 28°16 | 17°D30 | 18°19 | 5°33 | 23°52 | S 16 |
| S 17 | 2 13 54 | 1°48'03 | 3♊19 | 24°34 | 28° 7 | 11°28 | 23°22 | 23° 9 | 27°26 | 9°18 | 28°14 | 17°30 | 18°15 | 5°40 | 24° 0 | S 17 |
| M18 | 2 17 51 | 2°48'12 | 18° 2 | 25° 8 | 28°20 | 12°11 | 23°25 | 23°15 | 27°25 | 9°18 | 28°13 | 17°31 | 18°12 | 5°47 | 24° 7 | M18 |
| T 19 | 2 21 47 | 3°48'24 | 2♋21 | 25°36 | 28°36 | 12°53 | 23°28 | 23°21 | 27°24 | 9°17 | 28°12 | 17°32 | 18° 9 | 5°53 | 24°15 | T 19 |
| W20 | 2 25 44 | 4°48'38 | 16°13 | 25°58 | 28°53 | 13°36 | 23°31 | 23°28 | 27°23 | 9°16 | 28°11 | 17°33 | 18° 6 | 6° 0 | 24°23 | W20 |
| T 21 | 2 29 40 | 5°48'54 | 29°40 | 26°12 | 29°13 | 14°18 | 23°33 | 23°34 | 27°22 | 9°15 | 28°10 | 17°34 | 18° 3 | 6° 6 | 24°30 | T 21 |
| F 22 | 2 33 37 | 6°49'11 | 12♌43 | 26°R18 | 29°34 | 15° 1 | 23°35 | 23°40 | 27°20 | 9°15 | 28° 9 | 17°R34 | 18° 0 | 6°13 | 24°37 | F 22 |
| S 23 | 2 37 33 | 7°49'31 | 25°25 | 26°16 | 29°58 | 15°44 | 23°38 | 23°46 | 27°19 | 9°14 | 28° 8 | 17°34 | 17°56 | 6°20 | 24°45 | S 23 |
| S 24 | 2 41 30 | 8°49'53 | 7♍50 | 26° 4 | 0♎23 | 16°26 | 23°39 | 23°52 | 27°17 | 9°13 | 28° 7 | 17°33 | 17°53 | 6°26 | 24°52 | S 24 |
| M25 | 2 45 26 | 9°50'17 | 20° 0 | 25°43 | 0°49 | 17° 9 | 23°41 | 23°58 | 27°16 | 9°13 | 28° 5 | 17°32 | 17°50 | 6°33 | 24°59 | M25 |
| T 26 | 2 49 23 | 10°50'42 | 2♎ 1 | 25°12 | 1°18 | 17°52 | 23°43 | 24° 4 | 27°14 | 9°12 | 28° 4 | 17°31 | 17°47 | 6°40 | 25° 6 | T 26 |
| W27 | 2 53 20 | 11°51'10 | 13°54 | 24°30 | 1°48 | 18°35 | 23°44 | 24°10 | 27°13 | 9°11 | 28° 3 | 17°30 | 17°44 | 6°46 | 25°13 | W27 |
| T 28 | 2 57 16 | 12°51'39 | 25°43 | 23°39 | 2°20 | 19°18 | 23°45 | 24°15 | 27°11 | 9°11 | 28° 2 | 17°29 | 17°40 | 6°53 | 25°20 | T 28 |
| F 29 | 3 1 13 | 13°52'10 | 7♏31 | 22°38 | 2°53 | 20° 1 | 23°46 | 24°21 | 27°10 | 9°10 | 28° 1 | 17°29 | 17°37 | 7° 0 | 25°27 | F 29 |
| S 30 | 3 5 9 | 14°52'43 | 19°18 | 21°29 | 3°28 | 20°44 | 23°47 | 24°27 | 27° 8 | 9°10 | 28° 0 | 17°D29 | 17°34 | 7° 6 | 25°34 | S 30 |
| S 31 | 3 9 6 | 15♏53'17 | 1♐ 9 | 20♏14 | 4♎ 4 | 21♏27 | 23♋47 | 24♍32 | 27♊ 6 | 9♓10 | 27♈59 | 17♏29 | 17♏31 | 7♏13 | 25♍41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 6s15 | 12s39 | 1s42 | 16s 7 | 2s 7 | 5s49 | 6s24 | 11s31 | 0n 6 | 21n51 | 0n10 | 5n17 | 2n 0 | 23n41 | 0n11 | 9s 1 | 1s 6 | 4s46 | 16s50 | 17s 9 | 17s33 | 14s 8 | 0s 5 | 3s37 | F 1 |
| S 2 | 6 38 | 15 39 | 0 39 | 16 38 | 2 12 | 5 27 | 6 11 | 11 46 | 0 6 | 21 51 | 0 10 | 5 14 | 2 0 | 23 41 | 0 11 | 9 2 | 1 6 | 4 46 | 16 50 | 17 9 | 17 33 | 14 9 | 0 8 | 3 37 | S 2 |
| S 3 | 7 1 | 18 0 | 0n26 | 17 8 | 2 18 | 5 6 | 5 57 | 12 1 | 0 5 | 21 50 | 0 10 | 5 11 | 2 1 | 23 41 | 0 11 | 9 2 | 1 6 | 4 46 | 16 50 | 17 9 | 17 32 | 14 11 | 0 11 | 3 36 | S 3 |
| M 4 | 7 24 | 19 34 | 1 29 | 17 37 | 2 23 | 4 46 | 5 44 | 12 16 | 0 4 | 21 49 | 0 11 | 5 9 | 2 1 | 23 41 | 0 11 | 9 3 | 1 6 | 4 47 | 16 50 | 17 9 | 17 31 | 14 12 | 0 14 | 3 36 | M 4 |
| T 5 | 7 46 | 20 18 | 2 30 | 18 4 | 2 28 | 4 26 | 5 30 | 12 31 | 0 4 | 21 48 | 0 11 | 5 6 | 2 1 | 23 41 | 0 11 | 9 3 | 1 6 | 4 47 | 16 50 | 17 10 | 17 30 | 14 14 | 0 18 | 3 36 | T 5 |
| W 6 | 8 9 | 20 6 | 3 25 | 18 31 | 2 33 | 4 7 | 5 16 | 12 46 | 0 3 | 21 48 | 0 11 | 5 4 | 2 1 | 23 41 | 0 11 | 9 3 | 1 6 | 4 48 | 16 50 | 17 10 | 17 29 | 14 15 | 0 21 | 3 36 | W 6 |
| T 7 | 8 31 | 18 56 | 4 11 | 18 56 | 2 37 | 3 49 | 5 1 | 13 1 | 0 2 | 21 47 | 0 11 | 5 1 | 2 1 | 23 41 | 0 11 | 9 4 | 1 6 | 4 48 | 16 50 | 17 11 | 17 28 | 14 17 | 0 24 | 3 36 | T 7 |
| F 8 | 8 54 | 16 50 | 4 47 | 19 20 | 2 41 | 3 32 | 4 47 | 13 15 | 0 2 | 21 46 | 0 11 | 4 58 | 2 1 | 23 41 | 0 11 | 9 4 | 1 6 | 4 48 | 16 50 | 17 11 | 17 27 | 14 18 | 0 27 | 3 36 | F 8 |
| S 9 | 9 16 | 13 49 | 5 9 | 19 43 | 2 44 | 3 16 | 4 33 | 13 30 | 0 1 | 21 46 | 0 11 | 4 56 | 2 1 | 23 41 | 0 12 | 9 5 | 1 6 | 4 49 | 16 50 | 17 11 | 17 26 | 14 19 | 0 30 | 3 36 | S 9 |
| S 10 | 9 38 | 10 0 | 5 15 | 20 5 | 2 48 | 3 0 | 4 18 | 13 44 | 0 1 | 21 45 | 0 11 | 4 53 | 2 1 | 23 41 | 0 12 | 9 5 | 1 6 | 4 49 | 16 50 | 17 10 | 17 26 | 14 21 | 0 33 | 3 36 | S 10 |
| M11 | 10 0 | 5 32 | 5 4 | 20 24 | 2 50 | 2 46 | 4 4 | 13 59 | 0s 0 | 21 45 | 0 12 | 4 51 | 2 2 | 23 41 | 0 12 | 9 5 | 1 6 | 4 50 | 16 50 | 17 9 | 17 25 | 14 22 | 0 36 | 3 36 | M11 |
| T 12 | 10 22 | 0 36 | 4 33 | 20 43 | 2 52 | 2 33 | 3 50 | 14 13 | 0 1 | 21 44 | 0 12 | 4 48 | 2 2 | 23 41 | 0 12 | 9 6 | 1 6 | 4 50 | 16 50 | 17 9 | 17 24 | 14 24 | 0 39 | 3 36 | T 12 |
| W13 | 10 43 | 4n30 | 3 43 | 20 59 | 2 54 | 2 21 | 3 36 | 14 27 | 0 1 | 21 44 | 0 12 | 4 46 | 2 2 | 23 41 | 0 12 | 9 6 | 1 6 | 4 50 | 16 50 | 17 8 | 17 23 | 14 25 | 0 42 | 3 36 | W13 |
| T 14 | 11 5 | 9 26 | 2 37 | 21 14 | 2 55 | 2 10 | 3 22 | 14 41 | 0 2 | 21 43 | 0 12 | 4 44 | 2 2 | 23 41 | 0 12 | 9 6 | 1 6 | 4 51 | 16 50 | 17 7 | 17 22 | 14 27 | 0 46 | 3 36 | T 14 |
| F 15 | 11 26 | 13 49 | 1 19 | 21 27 | 2 55 | 2 0 | 3 9 | 14 55 | 0 2 | 21 43 | 0 12 | 4 41 | 2 2 | 23 41 | 0 12 | 9 7 | 1 6 | 4 51 | 16 50 | 17 7 | 17 21 | 14 28 | 0 49 | 3 36 | F 15 |
| S 16 | 11 47 | 17 16 | 0s 4 | 21 37 | 2 54 | 1 51 | 2 55 | 15 9 | 0 3 | 21 42 | 0 12 | 4 39 | 2 2 | 23 41 | 0 12 | 9 7 | 1 6 | 4 51 | 16 50 | 17 7 | 17 20 | 14 29 | 0 52 | 3 36 | S 16 |
| S 17 | 12 8 | 19 28 | 1 27 | 21 46 | 2 53 | 1 43 | 2 42 | 15 23 | 0 4 | 21 42 | 0 13 | 4 36 | 2 3 | 23 41 | 0 12 | 9 7 | 1 6 | 4 52 | 16 50 | 17 7 | 17 19 | 14 31 | 0 55 | 3 36 | S 17 |
| M18 | 12 29 | 20 18 | 2 41 | 21 52 | 2 50 | 1 37 | 2 29 | 15 37 | 0 4 | 21 41 | 0 13 | 4 34 | 2 3 | 23 41 | 0 12 | 9 8 | 1 6 | 4 52 | 16 50 | 17 7 | 17 19 | 14 32 | 0 58 | 3 36 | M18 |
| T 19 | 12 50 | 19 46 | 3 44 | 21 55 | 2 47 | 1 31 | 2 16 | 15 50 | 0 5 | 21 41 | 0 13 | 4 32 | 2 3 | 23 41 | 0 12 | 9 8 | 1 6 | 4 52 | 16 50 | 17 7 | 17 18 | 14 34 | 1 1 | 3 36 | T 19 |
| W20 | 13 10 | 18 2 | 4 31 | 21 56 | 2 42 | 1 27 | 2 4 | 16 4 | 0 6 | 21 41 | 0 13 | 4 29 | 2 3 | 23 41 | 0 12 | 9 8 | 1 6 | 4 53 | 16 50 | 17 8 | 17 17 | 14 35 | 1 4 | 3 36 | W20 |
| T 21 | 13 30 | 15 22 | 5 2 | 21 54 | 2 36 | 1 23 | 1 51 | 16 17 | 0 6 | 21 41 | 0 13 | 4 27 | 2 3 | 23 41 | 0 12 | 9 9 | 1 6 | 4 53 | 16 50 | 17 8 | 17 16 | 14 37 | 1 7 | 3 36 | T 21 |
| F 22 | 13 50 | 11 59 | 5 16 | 21 48 | 2 29 | 1 21 | 1 39 | 16 30 | 0 7 | 21 40 | 0 13 | 4 25 | 2 3 | 23 41 | 0 12 | 9 9 | 1 6 | 4 53 | 16 50 | 17 8 | 17 15 | 14 38 | 1 10 | 3 36 | F 22 |
| S 23 | 14 10 | 8 9 | 5 15 | 21 39 | 2 20 | 1 19 | 1 28 | 16 43 | 0 7 | 21 40 | 0 14 | 4 22 | 2 4 | 23 41 | 0 12 | 9 9 | 1 6 | 4 54 | 16 50 | 17 8 | 17 14 | 14 39 | 1 12 | 3 36 | S 23 |
| S 24 | 14 29 | 4 3 | 4 58 | 21 26 | 2 10 | 1 19 | 1 16 | 16 56 | 0 8 | 21 40 | 0 14 | 4 20 | 2 4 | 23 41 | 0 12 | 9 9 | 1 6 | 4 54 | 16 50 | 17 7 | 17 13 | 14 41 | 1 15 | 3 36 | S 24 |
| M25 | 14 49 | 0s 8 | 4 28 | 21 10 | 1 58 | 1 19 | 1 5 | 17 9 | 0 9 | 21 40 | 0 14 | 4 18 | 2 4 | 23 41 | 0 12 | 9 9 | 1 6 | 4 54 | 16 49 | 17 7 | 17 12 | 14 42 | 1 18 | 3 36 | M25 |
| T 26 | 15 8 | 4 16 | 3 47 | 20 49 | 1 44 | 1 21 | 0 54 | 17 22 | 0 9 | 21 40 | 0 14 | 4 16 | 2 4 | 23 41 | 0 12 | 9 10 | 1 6 | 4 55 | 16 49 | 17 7 | 17 11 | 14 43 | 1 21 | 3 36 | T 26 |
| W27 | 15 27 | 8 12 | 2 56 | 20 24 | 1 29 | 1 23 | 0 43 | 17 34 | 0 10 | 21 40 | 0 14 | 4 14 | 2 4 | 23 41 | 0 12 | 9 10 | 1 6 | 4 55 | 16 49 | 17 7 | 17 11 | 14 45 | 1 24 | 3 36 | W27 |
| T 28 | 15 45 | 11 48 | 1 58 | 19 55 | 1 12 | 1 26 | 0 33 | 17 47 | 0 10 | 21 40 | 0 14 | 4 12 | 2 5 | 23 41 | 0 12 | 9 10 | 1 6 | 4 55 | 16 49 | 17 6 | 17 10 | 14 46 | 1 27 | 3 36 | T 28 |
| F 29 | 16 3 | 14 56 | 0 55 | 19 22 | 0 54 | 1 30 | 0 23 | 17 59 | 0 11 | 21 40 | 0 15 | 4 10 | 2 5 | 23 41 | 0 12 | 9 10 | 1 6 | 4 55 | 16 49 | 17 6 | 17 9 | 14 48 | 1 30 | 3 36 | F 29 |
| S 30 | 16 21 | 17 27 | 0n10 | 18 45 | 0 35 | 1 35 | 0 13 | 18 11 | 0 12 | 21 40 | 0 15 | 4 8 | 2 5 | 23 41 | 0 12 | 9 10 | 1 6 | 4 56 | 16 49 | 17 6 | 17 8 | 14 49 | 1 32 | 3 36 | S 30 |
| S 31 | 16s39 | 19s14 | 1n15 | 18s 6 | 0s15 | 1s41 | 0s 4 | 18s23 | 0s12 | 21n40 | 0n15 | 4n 5 | 2n 5 | 23n41 | 0n12 | 9s10 | 1s 6 | 4s56 | 16s49 | 17s 6 | 17s 7 | 14s50 | 1s35 | 3s36 | S 31 |

Julian Day Number = 2218436.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'15, Lahiri = 14°57'16 Julian Calendar 1 Oct. 1361 == Greg. Calendar 9 Oct. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## NOVEMBER 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 13 2 | 16♏53'53 | 13♐ 4 | 18°R54 | 4♎41 | 22♏10 | 23♋47 | 24♍38 | 27°R 5 | 9°R 9 | 27°R58 | 17♏29 | 17♏28 | 7♏20 | 25♍48 | M 1 |
| T 2 | 3 16 59 | 17°54'30 | 25° 6 | 17♏33 | 5°20 | 22°54 | 23°R48 | 24°43 | 27♊ 3 | 9♓ 9 | 27♈57 | 17°R29 | 17°25 | 7°26 | 25°54 | T 2 |
| W 3 | 3 20 55 | 18°55'09 | 7♑18 | 16°12 | 5°59 | 23°37 | 23°47 | 24°49 | 27° 1 | 9° 8 | 27°56 | 17°29 | 17°21 | 7°33 | 26° 1 | W 3 |
| T 4 | 3 24 52 | 19°55'49 | 19°42 | 14°56 | 6°40 | 24°20 | 23°47 | 24°54 | 26°59 | 9° 8 | 27°55 | 17°29 | 17°18 | 7°40 | 26° 8 | T 4 |
| F 5 | 3 28 49 | 20°56'30 | 2♒22 | 13°45 | 7°23 | 25° 4 | 23°47 | 24°59 | 26°57 | 9° 8 | 27°54 | 17°28 | 17°15 | 7°46 | 26°14 | F 5 |
| S 6 | 3 32 45 | 21°57'12 | 15°20 | 12°42 | 8° 6 | 25°47 | 23°46 | 25° 4 | 26°55 | 9° 8 | 27°53 | 17°28 | 17°12 | 7°53 | 26°20 | S 6 |
| S 7 | 3 36 42 | 22°57'55 | 28°41 | 11°49 | 8°50 | 26°31 | 23°45 | 25° 9 | 26°53 | 9° 7 | 27°52 | 17°D28 | 17° 9 | 7°59 | 26°27 | S 7 |
| M 8 | 3 40 38 | 23°58'39 | 12♓25 | 11° 7 | 9°36 | 27°14 | 23°44 | 25°14 | 26°51 | 9° 7 | 27°51 | 17°28 | 17° 6 | 8° 6 | 26°33 | M 8 |
| T 9 | 3 44 35 | 24°59'24 | 26°33 | 10°36 | 10°22 | 27°58 | 23°43 | 25°19 | 26°49 | 9° 7 | 27°50 | 17°29 | 17° 2 | 8°13 | 26°39 | T 9 |
| W10 | 3 48 31 | 26° 0'10 | 11♈ 5 | 10°17 | 11° 9 | 28°41 | 23°41 | 25°24 | 26°47 | 9° 7 | 27°49 | 17°30 | 16°59 | 8°19 | 26°45 | W10 |
| T 11 | 3 52 28 | 27° 0'58 | 25°56 | 10°D10 | 11°58 | 29°25 | 23°40 | 25°29 | 26°45 | 9° 7 | 27°48 | 17°30 | 16°56 | 8°26 | 26°51 | T 11 |
| F 12 | 3 56 24 | 28° 1'46 | 11♉ 1 | 10°13 | 12°47 | 0♐ 9 | 23°38 | 25°34 | 26°43 | 9°D 7 | 27°47 | 17°R31 | 16°53 | 8°33 | 26°57 | F 12 |
| S 13 | 4 0 21 | 29° 2'36 | 26°11 | 10°26 | 13°37 | 0°53 | 23°36 | 25°38 | 26°41 | 9° 7 | 27°46 | 17°31 | 16°50 | 8°39 | 27° 3 | S 13 |
| S 14 | 4 4 18 | 0♐ 3'27 | 11♊16 | 10°49 | 14°27 | 1°37 | 23°33 | 25°43 | 26°38 | 9° 7 | 27°45 | 17°30 | 16°46 | 8°46 | 27° 9 | S 14 |
| M15 | 4 8 14 | 1° 4'19 | 26° 8 | 11°20 | 15°19 | 2°21 | 23°31 | 25°47 | 26°36 | 9° 7 | 27°44 | 17°29 | 16°43 | 8°53 | 27°14 | M15 |
| T 16 | 4 12 11 | 2° 5'12 | 10♋40 | 11°59 | 16°11 | 3° 4 | 23°28 | 25°52 | 26°34 | 9° 7 | 27°43 | 17°27 | 16°40 | 8°59 | 27°20 | T 16 |
| W17 | 4 16 7 | 3° 6'06 | 24°45 | 12°45 | 17° 4 | 3°49 | 23°25 | 25°56 | 26°32 | 9° 7 | 27°42 | 17°25 | 16°37 | 9° 6 | 27°25 | W17 |
| T 18 | 4 20 4 | 4° 7'02 | 8♌23 | 13°36 | 17°58 | 4°33 | 23°22 | 26° 0 | 26°29 | 9° 8 | 27°41 | 17°23 | 16°34 | 9°13 | 27°31 | T 18 |
| F 19 | 4 24 0 | 5° 7'59 | 21°33 | 14°33 | 18°53 | 5°17 | 23°19 | 26° 4 | 26°27 | 9° 8 | 27°40 | 17°22 | 16°31 | 9°19 | 27°36 | F 19 |
| S 20 | 4 27 57 | 6° 8'58 | 4♍18 | 15°34 | 19°48 | 6° 1 | 23°16 | 26° 8 | 26°25 | 9° 8 | 27°39 | 17°D21 | 16°27 | 9°26 | 27°41 | S 20 |
| S 21 | 4 31 53 | 7° 9'57 | 16°43 | 16°39 | 20°43 | 6°45 | 23°12 | 26°12 | 26°22 | 9° 8 | 27°39 | 17°21 | 16°24 | 9°33 | 27°46 | S 21 |
| M22 | 4 35 50 | 8°10'58 | 28°51 | 17°48 | 21°40 | 7°29 | 23° 8 | 26°16 | 26°20 | 9° 9 | 27°38 | 17°22 | 16°21 | 9°39 | 27°52 | M22 |
| T 23 | 4 39 47 | 9°11'59 | 10♎47 | 18°59 | 22°37 | 8°14 | 23° 4 | 26°20 | 26°17 | 9° 9 | 27°37 | 17°24 | 16°18 | 9°46 | 27°56 | T 23 |
| W24 | 4 43 43 | 10°13'02 | 22°36 | 20°13 | 23°34 | 8°58 | 23° 0 | 26°24 | 26°15 | 9° 9 | 27°36 | 17°26 | 16°15 | 9°52 | 28° 1 | W24 |
| T 25 | 4 47 40 | 11°14'06 | 4♏23 | 21°30 | 24°32 | 9°43 | 22°56 | 26°27 | 26°13 | 9°10 | 27°35 | 17°27 | 16°12 | 9°59 | 28° 6 | T 25 |
| F 26 | 4 51 36 | 12°15'11 | 16°10 | 22°48 | 25°31 | 10°27 | 22°51 | 26°31 | 26°10 | 9°10 | 27°35 | 17°R28 | 16° 8 | 10° 6 | 28°11 | F 26 |
| S 27 | 4 55 33 | 13°16'17 | 28° 1 | 24° 8 | 26°30 | 11°12 | 22°47 | 26°34 | 26° 8 | 9°11 | 27°34 | 17°27 | 16° 5 | 10°12 | 28°15 | S 27 |
| S 28 | 4 59 29 | 14°17'23 | 9♐58 | 25°30 | 27°29 | 11°56 | 22°42 | 26°37 | 26° 5 | 9°11 | 27°33 | 17°26 | 16° 2 | 10°19 | 28°20 | S 28 |
| M29 | 5 3 26 | 15°18'31 | 22° 4 | 26°53 | 28°29 | 12°41 | 22°37 | 26°41 | 26° 3 | 9°12 | 27°32 | 17°22 | 15°59 | 10°26 | 28°24 | M29 |
| T 30 | 5 7 22 | 16♐19'39 | 4♑20 | 28♏17 | 29♎30 | 13♐25 | 22♋32 | 26♍44 | 26♊ 0 | 9♓12 | 27♈32 | 17♏18 | 15♏56 | 10♏32 | 28♍28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s56 | 20s10 | 2n18 | 17s24 | 0n 6 | 1s47 | 0n 5 | 18s35 | 0s13 | 21n40 | 0n15 | 4n 3 | 2n 5 | 23n41 | 0n12 | 9s11 | 1s 6 | 4s56 | 16s49 | 17s 6 | 17s 6 | 14s52 | 1s38 | 3s36 |
| T 2 | 17 14 | 20 11 | 3 15 | 16 42 | 0 27 | 1 54 | 0 14 | 18 47 | 0 13 | 21 40 | 0 15 | 4 1 | 2 6 | 23 41 | 0 12 | 9 11 | 1 6 | 4 56 | 16 49 | 17 6 | 17 5 | 14 53 | 1 40 | 3 36 |
| W 3 | 17 30 | 19 16 | 4 3 | 16 0 | 0 47 | 2 2 | 0 23 | 18 58 | 0 14 | 21 40 | 0 15 | 4 0 | 2 6 | 23 41 | 0 12 | 9 11 | 1 5 | 4 57 | 16 48 | 17 6 | 17 4 | 14 54 | 1 43 | 3 36 |
| T 4 | 17 47 | 17 25 | 4 42 | 15 19 | 1 6 | 2 11 | 0 31 | 19 9 | 0 15 | 21 40 | 0 16 | 3 58 | 2 6 | 23 41 | 0 12 | 9 11 | 1 5 | 4 57 | 16 48 | 17 6 | 17 3 | 14 56 | 1 46 | 3 36 |
| F 5 | 18 3 | 14 43 | 5 7 | 14 41 | 1 23 | 2 20 | 0 39 | 19 21 | 0 15 | 21 41 | 0 16 | 3 56 | 2 6 | 23 41 | 0 12 | 9 11 | 1 5 | 4 57 | 16 48 | 17 6 | 17 2 | 14 57 | 1 48 | 3 36 |
| S 6 | 18 19 | 11 13 | 5 18 | 14 7 | 1 39 | 2 30 | 0 47 | 19 32 | 0 16 | 21 41 | 0 16 | 3 54 | 2 6 | 23 41 | 0 12 | 9 11 | 1 5 | 4 57 | 16 48 | 17 6 | 17 2 | 14 58 | 1 51 | 3 37 |
| S 7 | 18 35 | 7 6 | 5 12 | 13 38 | 1 53 | 2 41 | 0 55 | 19 42 | 0 16 | 21 41 | 0 16 | 3 52 | 2 7 | 23 41 | 0 12 | 9 11 | 1 5 | 4 57 | 16 48 | 17 6 | 17 1 | 15 0 | 1 54 | 3 37 |
| M 8 | 18 50 | 2 29 | 4 49 | 13 14 | 2 5 | 2 52 | 1 2 | 19 53 | 0 17 | 21 42 | 0 16 | 3 50 | 2 7 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 48 | 17 6 | 17 0 | 15 1 | 1 56 | 3 37 |
| T 9 | 19 5 | 2n24 | 4 7 | 12 55 | 2 15 | 3 4 | 1 9 | 20 4 | 0 18 | 21 42 | 0 16 | 3 49 | 2 7 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 47 | 17 6 | 16 59 | 15 2 | 1 59 | 3 37 |
| W10 | 19 19 | 7 18 | 3 9 | 12 42 | 2 23 | 3 16 | 1 16 | 20 14 | 0 18 | 21 42 | 0 17 | 3 47 | 2 7 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 47 | 17 7 | 16 58 | 15 4 | 2 1 | 3 37 |
| T 11 | 19 33 | 11 52 | 1 57 | 12 34 | 2 28 | 3 29 | 1 22 | 20 24 | 0 19 | 21 43 | 0 17 | 3 45 | 2 8 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 47 | 17 7 | 16 57 | 15 5 | 2 4 | 3 37 |
| F 12 | 19 47 | 15 45 | 0 36 | 12 31 | 2 32 | 3 42 | 1 28 | 20 34 | 0 20 | 21 43 | 0 17 | 3 43 | 2 8 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 47 | 17 7 | 16 56 | 15 6 | 2 6 | 3 37 |
| S 13 | 20 1 | 18 35 | 0s48 | 12 33 | 2 35 | 3 56 | 1 34 | 20 44 | 0 20 | 21 44 | 0 17 | 3 42 | 2 8 | 23 41 | 0 12 | 9 11 | 1 5 | 4 58 | 16 47 | 17 7 | 16 55 | 15 8 | 2 9 | 3 37 |
| S 14 | 20 14 | 20 5 | 2 8 | 12 39 | 2 36 | 4 11 | 1 40 | 20 53 | 0 21 | 21 45 | 0 17 | 3 40 | 2 8 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 47 | 17 7 | 16 54 | 15 9 | 2 11 | 3 37 |
| M15 | 20 27 | 20 9 | 3 18 | 12 49 | 2 35 | 4 25 | 1 46 | 21 3 | 0 21 | 21 45 | 0 17 | 3 39 | 2 9 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 46 | 17 6 | 16 53 | 15 10 | 2 13 | 3 37 |
| T 16 | 20 39 | 18 52 | 4 14 | 13 3 | 2 34 | 4 41 | 1 51 | 21 12 | 0 22 | 21 46 | 0 18 | 3 37 | 2 9 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 46 | 17 6 | 16 52 | 15 12 | 2 16 | 3 37 |
| W17 | 20 51 | 16 27 | 4 52 | 13 19 | 2 31 | 4 56 | 1 56 | 21 21 | 0 23 | 21 46 | 0 18 | 3 36 | 2 9 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 46 | 17 5 | 16 52 | 15 13 | 2 18 | 3 38 |
| T 18 | 21 2 | 13 12 | 5 13 | 13 38 | 2 27 | 5 12 | 2 1 | 21 30 | 0 23 | 21 47 | 0 18 | 3 34 | 2 9 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 46 | 17 5 | 16 51 | 15 14 | 2 20 | 3 38 |
| F 19 | 21 14 | 9 23 | 5 16 | 13 58 | 2 23 | 5 29 | 2 6 | 21 39 | 0 24 | 21 48 | 0 18 | 3 33 | 2 9 | 23 41 | 0 12 | 9 11 | 1 5 | 4 59 | 16 45 | 17 4 | 16 50 | 15 16 | 2 22 | 3 38 |
| S 20 | 21 24 | 5 15 | 5 3 | 14 21 | 2 18 | 5 46 | 2 10 | 21 47 | 0 24 | 21 49 | 0 18 | 3 31 | 2 10 | 23 40 | 0 12 | 9 11 | 1 5 | 4 59 | 16 45 | 17 4 | 16 49 | 15 17 | 2 25 | 3 38 |
| S 21 | 21 35 | 1 1 | 4 36 | 14 45 | 2 13 | 6 3 | 2 14 | 21 55 | 0 25 | 21 49 | 0 19 | 3 30 | 2 10 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 45 | 17 4 | 16 48 | 15 18 | 2 27 | 3 38 |
| M22 | 21 45 | 3s10 | 3 58 | 15 10 | 2 7 | 6 20 | 2 18 | 22 3 | 0 25 | 21 50 | 0 19 | 3 29 | 2 10 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 45 | 17 5 | 16 47 | 15 19 | 2 29 | 3 38 |
| T 23 | 21 54 | 7 11 | 3 9 | 15 35 | 2 1 | 6 38 | 2 22 | 22 11 | 0 26 | 21 51 | 0 19 | 3 27 | 2 11 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 44 | 17 5 | 16 46 | 15 21 | 2 31 | 3 38 |
| W24 | 22 3 | 10 53 | 2 13 | 16 2 | 1 54 | 6 56 | 2 26 | 22 18 | 0 27 | 21 52 | 0 19 | 3 26 | 2 11 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 44 | 17 5 | 16 45 | 15 22 | 2 33 | 3 38 |
| T 25 | 22 12 | 14 9 | 1 12 | 16 28 | 1 47 | 7 14 | 2 29 | 22 26 | 0 27 | 21 53 | 0 19 | 3 25 | 2 11 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 44 | 17 6 | 16 44 | 15 23 | 2 35 | 3 39 |
| F 26 | 22 20 | 16 51 | 0 7 | 16 55 | 1 40 | 7 32 | 2 32 | 22 33 | 0 28 | 21 54 | 0 19 | 3 24 | 2 11 | 23 40 | 0 12 | 9 10 | 1 5 | 4 59 | 16 44 | 17 6 | 16 43 | 15 25 | 2 37 | 3 39 |
| S 27 | 22 28 | 18 51 | 0n58 | 17 22 | 1 33 | 7 51 | 2 35 | 22 40 | 0 28 | 21 55 | 0 20 | 3 23 | 2 12 | 23 40 | 0 12 | 9 9 | 1 5 | 4 59 | 16 43 | 17 6 | 16 42 | 15 26 | 2 39 | 3 39 |
| S 28 | 22 36 | 20 2 | 2 1 | 17 49 | 1 26 | 8 9 | 2 38 | 22 47 | 0 29 | 21 56 | 0 20 | 3 22 | 2 12 | 23 40 | 0 12 | 9 9 | 1 5 | 4 59 | 16 43 | 17 5 | 16 42 | 15 27 | 2 41 | 3 39 |
| M29 | 22 42 | 20 18 | 2 59 | 18 15 | 1 18 | 8 28 | 2 40 | 22 53 | 0 30 | 21 57 | 0 20 | 3 21 | 2 12 | 23 40 | 0 12 | 9 9 | 1 5 | 4 59 | 16 43 | 17 4 | 16 41 | 15 28 | 2 43 | 3 39 |
| T 30 | 22s49 | 19s38 | 3n49 | 18s42 | 1n11 | 8s47 | 2n43 | 22s59 | 0s30 | 21n58 | 0n20 | 3n20 | 2n12 | 23n40 | 0n12 | 9s 9 | 1s 5 | 4s59 | 16s43 | 17s 3 | 16s40 | 15s30 | 2s44 | 3s39 |

Julian Day Number = 2218467.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'20, Lahiri = 14°57'20 Julian Calendar 1 Nov. 1361 == Greg. Calendar 9 Nov. 1361


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# ASTRODIENST EPHEMERIS for the year 1361
# geocentric

## DECEMBER 1361 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 11 19 | 17♐20'47 | 16♉46 | 29♏41 | 0♏30 | 14♐10 | 22°R26 | 26♍47 | 25°R57 | 9♓13 | 27°R31 | 17°R12 | 15♏52 | 10♏39 | 28♍32 | W 1 |
| T 2 | 5 15 16 | 18°21'56 | 29°25 | 1♐ 7 | 1°32 | 14°55 | 22♋21 | 26°50 | 25♊55 | 9°14 | 27♈30 | 17♏ 7 | 15°49 | 10°46 | 28°36 | T 2 |
| F 3 | 5 19 12 | 19°23'05 | 12♒16 | 2°34 | 2°33 | 15°40 | 22°15 | 26°53 | 25°52 | 9°14 | 27°30 | 17° 2 | 15°46 | 10°52 | 28°40 | F 3 |
| S 4 | 5 23 9 | 20°24'14 | 25°22 | 4° 1 | 3°35 | 16°25 | 22° 9 | 26°55 | 25°50 | 9°15 | 27°29 | 16°58 | 15°43 | 10°59 | 28°44 | S 4 |
| S 5 | 5 27 5 | 21°25'24 | 8♓42 | 5°29 | 4°38 | 17°10 | 22° 3 | 26°58 | 25°47 | 9°16 | 27°28 | 16°55 | 15°40 | 11° 6 | 28°48 | S 5 |
| M 6 | 5 31 2 | 22°26'33 | 22°19 | 6°57 | 5°40 | 17°54 | 21°57 | 27° 0 | 25°45 | 9°17 | 27°28 | 16°D55 | 15°37 | 11°12 | 28°52 | M 6 |
| T 7 | 5 34 58 | 23°27'43 | 6♈14 | 8°26 | 6°44 | 18°39 | 21°51 | 27° 3 | 25°42 | 9°18 | 27°27 | 16°55 | 15°33 | 11°19 | 28°55 | T 7 |
| W 8 | 5 38 55 | 24°28'52 | 20°26 | 9°55 | 7°47 | 19°24 | 21°45 | 27° 5 | 25°39 | 9°18 | 27°27 | 16°57 | 15°30 | 11°25 | 28°58 | W 8 |
| T 9 | 5 42 51 | 25°30'02 | 4♉54 | 11°25 | 8°51 | 20°10 | 21°38 | 27° 7 | 25°37 | 9°19 | 27°26 | 16°58 | 15°27 | 11°32 | 29° 2 | T 9 |
| F 10 | 5 46 48 | 26°31'12 | 19°35 | 12°55 | 9°55 | 20°55 | 21°32 | 27° 9 | 25°34 | 9°20 | 27°26 | 16°R58 | 15°24 | 11°39 | 29° 5 | F 10 |
| S 11 | 5 50 45 | 27°32'21 | 4♊25 | 14°25 | 10°59 | 21°40 | 21°25 | 27°12 | 25°32 | 9°21 | 27°25 | 16°57 | 15°21 | 11°45 | 29° 8 | S 11 |
| S 12 | 5 54 41 | 28°33'31 | 19°15 | 15°56 | 12° 4 | 22°25 | 21°18 | 27°13 | 25°29 | 9°22 | 27°25 | 16°54 | 15°18 | 11°52 | 29°11 | S 12 |
| M13 | 5 58 38 | 29°34'41 | 3♋59 | 17°28 | 13° 9 | 23°10 | 21°11 | 27°15 | 25°27 | 9°23 | 27°24 | 16°49 | 15°14 | 11°59 | 29°14 | M13 |
| T 14 | 6 2 34 | 0♌35'51 | 18°28 | 18°59 | 14°14 | 23°56 | 21° 4 | 27°17 | 25°24 | 9°24 | 27°24 | 16°42 | 15°11 | 12° 5 | 29°16 | T 14 |
| W15 | 6 6 31 | 1°37'01 | 2♎37 | 20°31 | 15°20 | 24°41 | 20°57 | 27°19 | 25°21 | 9°25 | 27°23 | 16°34 | 15° 8 | 12°12 | 29°19 | W15 |
| T 16 | 6 10 27 | 2°38'12 | 16°20 | 22° 3 | 16°26 | 25°26 | 20°50 | 27°20 | 25°19 | 9°26 | 27°23 | 16°27 | 15° 5 | 12°19 | 29°22 | T 16 |
| F 17 | 6 14 24 | 3°39'22 | 29°37 | 23°36 | 17°32 | 26°12 | 20°42 | 27°21 | 25°16 | 9°28 | 27°23 | 16°20 | 15° 2 | 12°25 | 29°24 | F 17 |
| S 18 | 6 18 20 | 4°40'32 | 12♍28 | 25° 9 | 18°38 | 26°57 | 20°35 | 27°23 | 25°14 | 9°29 | 27°22 | 16°15 | 14°58 | 12°32 | 29°26 | S 18 |
| S 19 | 6 22 17 | 5°41'43 | 24°56 | 26°42 | 19°44 | 27°43 | 20°27 | 27°24 | 25°11 | 9°30 | 27°22 | 16°13 | 14°55 | 12°39 | 29°28 | S 19 |
| M20 | 6 26 14 | 6°42'54 | 7♎ 6 | 28°16 | 20°51 | 28°28 | 20°20 | 27°25 | 25° 9 | 9°31 | 27°22 | 16°D12 | 14°52 | 12°45 | 29°30 | M20 |
| T 21 | 6 30 10 | 7°44'05 | 19° 3 | 29°50 | 21°58 | 29°14 | 20°12 | 27°26 | 25° 6 | 9°33 | 27°21 | 16°13 | 14°49 | 12°52 | 29°32 | T 21 |
| W22 | 6 34 7 | 8°45'16 | 0♏52 | 1♌25 | 23° 5 | 29°59 | 20° 4 | 27°27 | 25° 4 | 9°34 | 27°21 | 16°14 | 14°46 | 12°59 | 29°34 | W22 |
| T 23 | 6 38 3 | 9°46'27 | 12°38 | 3° 0 | 24°13 | 0♌45 | 19°56 | 27°27 | 25° 1 | 9°35 | 27°21 | 16°R15 | 14°43 | 13° 5 | 29°36 | T 23 |
| F 24 | 6 42 0 | 10°47'38 | 24°27 | 4°35 | 25°20 | 1°31 | 19°48 | 27°28 | 24°59 | 9°37 | 27°21 | 16°14 | 14°39 | 13°12 | 29°37 | F 24 |
| S 25 | 6 45 56 | 11°48'49 | 6♐22 | 6°11 | 26°28 | 2°17 | 19°41 | 27°29 | 24°56 | 9°38 | 27°20 | 16°12 | 14°36 | 13°18 | 29°39 | S 25 |
| S 26 | 6 49 53 | 12°50'00 | 18°28 | 7°47 | 27°36 | 3° 3 | 19°33 | 27°29 | 24°54 | 9°39 | 27°20 | 16° 7 | 14°33 | 13°25 | 29°40 | S 26 |
| M27 | 6 53 49 | 13°51'10 | 0♌46 | 9°24 | 28°44 | 3°48 | 19°25 | 27°29 | 24°52 | 9°41 | 27°20 | 16° 0 | 14°30 | 13°32 | 29°41 | M27 |
| T 28 | 6 57 46 | 14°52'20 | 13°18 | 11° 1 | 29°53 | 4°34 | 19°17 | 27°30 | 24°49 | 9°42 | 27°20 | 15°50 | 14°27 | 13°38 | 29°42 | T 28 |
| W29 | 7 1 43 | 15°53'29 | 26° 4 | 12°39 | 1♐ 1 | 5°20 | 19° 9 | 27°R30 | 24°47 | 9°44 | 27°20 | 15°39 | 14°24 | 13°45 | 29°43 | W29 |
| T 30 | 7 5 39 | 16°54'38 | 9♒ 4 | 14°17 | 2°10 | 6° 6 | 19° 1 | 27°30 | 24°44 | 9°45 | 27°20 | 15°27 | 14°20 | 13°52 | 29°44 | T 30 |
| F 31 | 7 9 36 | 17♌55'47 | 22♒17 | 15♌56 | 3♐18 | 6♌52 | 18♋52 | 27♍29 | 24♊42 | 9♓47 | 27♈20 | 15♏17 | 14♏17 | 13♏58 | 29♍45 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s55 | 18s 0 | 4n30 | 19s 7 | 1n 3 | 9s 7 | 2n45 | 23s 5 | 0s31 | 21n59 | 0n20 | 3n19 | 2n13 | 23n40 | 0n12 | 9s 8 | 1s 5 | 4s59 | 16s42 | 17s 2 | 16s39 | 15s31 | 2s46 | 3s39 |
| T 2 | 23 1 | 15 29 | 4 58 | 19 33 | 0 56 | 9 26 | 2 47 | 23 11 | 0 31 | 22 0 | 0 20 | 3 18 | 2 13 | 23 40 | 0 12 | 9 8 | 1 5 | 4 59 | 16 42 | 17 0 | 16 38 | 15 32 | 2 48 | 3 39 |
| F 3 | 23 6 | 12 11 | 5 11 | 19 58 | 0 48 | 9 45 | 2 49 | 23 16 | 0 32 | 22 1 | 0 21 | 3 17 | 2 13 | 23 40 | 0 12 | 9 8 | 1 5 | 4 59 | 16 42 | 16 59 | 16 37 | 15 33 | 2 50 | 3 40 |
| S 4 | 23 10 | 8 15 | 5 9 | 20 22 | 0 40 | 10 5 | 2 51 | 23 22 | 0 32 | 22 2 | 0 21 | 3 16 | 2 13 | 23 40 | 0 12 | 9 7 | 1 5 | 4 59 | 16 41 | 16 58 | 16 36 | 15 35 | 2 51 | 3 40 |
| S 5 | 23 14 | 3 51 | 4 50 | 20 45 | 0 33 | 10 24 | 2 52 | 23 27 | 0 33 | 22 3 | 0 21 | 3 15 | 2 14 | 23 40 | 0 12 | 9 7 | 1 5 | 4 59 | 16 41 | 16 57 | 16 35 | 15 36 | 2 53 | 3 40 |
| M 6 | 23 18 | 0n51 | 4 15 | 21 8 | 0 25 | 10 44 | 2 54 | 23 32 | 0 34 | 22 4 | 0 21 | 3 14 | 2 14 | 23 39 | 0 12 | 9 7 | 1 5 | 4 59 | 16 41 | 16 57 | 16 34 | 15 37 | 2 54 | 3 40 |
| T 7 | 23 21 | 5 36 | 3 24 | 21 30 | 0 18 | 11 3 | 2 55 | 23 36 | 0 34 | 22 5 | 0 21 | 3 14 | 2 14 | 23 39 | 0 12 | 9 7 | 1 5 | 4 59 | 16 41 | 16 57 | 16 33 | 15 38 | 2 56 | 3 40 |
| W 8 | 23 24 | 10 10 | 2 20 | 21 50 | 0 10 | 11 23 | 2 56 | 23 40 | 0 35 | 22 7 | 0 22 | 3 13 | 2 15 | 23 39 | 0 12 | 9 6 | 1 5 | 4 59 | 16 40 | 16 57 | 16 32 | 15 40 | 2 57 | 3 40 |
| T 9 | 23 27 | 14 13 | 1 5 | 22 10 | 0 3 | 11 42 | 2 57 | 23 44 | 0 35 | 22 8 | 0 22 | 3 12 | 2 15 | 23 39 | 0 12 | 9 6 | 1 4 | 4 59 | 16 40 | 16 58 | 16 31 | 15 41 | 2 59 | 3 41 |
| F 10 | 23 28 | 17 28 | 0s14 | 22 30 | 0s 4 | 12 2 | 2 57 | 23 48 | 0 36 | 22 9 | 0 22 | 3 12 | 2 15 | 23 39 | 0 12 | 9 5 | 1 4 | 4 59 | 16 40 | 16 58 | 16 30 | 15 42 | 3 0 | 3 41 |
| S 11 | 23 30 | 19 34 | 1 33 | 22 48 | 0 11 | 12 21 | 2 58 | 23 52 | 0 36 | 22 10 | 0 22 | 3 11 | 2 15 | 23 39 | 0 12 | 9 5 | 1 4 | 4 59 | 16 39 | 16 57 | 16 30 | 15 43 | 3 2 | 3 41 |
| S 12 | 23 31 | 20 19 | 2 46 | 23 5 | 0 18 | 12 41 | 2 58 | 23 55 | 0 37 | 22 12 | 0 22 | 3 11 | 2 16 | 23 39 | 0 12 | 9 5 | 1 4 | 4 58 | 16 39 | 16 56 | 16 29 | 15 44 | 3 3 | 3 41 |
| M13 | 23 31 | 19 40 | 3 47 | 23 20 | 0 25 | 13 0 | 2 59 | 23 58 | 0 37 | 22 13 | 0 22 | 3 10 | 2 16 | 23 39 | 0 12 | 9 4 | 1 4 | 4 58 | 16 39 | 16 55 | 16 28 | 15 46 | 3 4 | 3 41 |
| T 14 | 23 31 | 17 44 | 4 33 | 23 35 | 0 32 | 13 19 | 2 59 | 24 1 | 0 38 | 22 14 | 0 23 | 3 10 | 2 16 | 23 39 | 0 12 | 9 4 | 1 4 | 4 58 | 16 38 | 16 53 | 16 27 | 15 47 | 3 6 | 3 41 |
| W15 | 23 31 | 14 46 | 5 0 | 23 49 | 0 38 | 13 38 | 2 59 | 24 3 | 0 39 | 22 15 | 0 23 | 3 10 | 2 17 | 23 39 | 0 13 | 9 3 | 1 4 | 4 58 | 16 38 | 16 51 | 16 26 | 15 48 | 3 7 | 3 41 |
| T 16 | 23 30 | 11 5 | 5 9 | 24 1 | 0 44 | 13 57 | 2 58 | 24 6 | 0 39 | 22 17 | 0 23 | 3 9 | 2 17 | 23 39 | 0 13 | 9 3 | 1 4 | 4 58 | 16 38 | 16 49 | 16 25 | 15 49 | 3 8 | 3 42 |
| F 17 | 23 28 | 6 57 | 5 1 | 24 13 | 0 51 | 14 16 | 2 58 | 24 8 | 0 40 | 22 18 | 0 23 | 3 9 | 2 17 | 23 39 | 0 13 | 9 2 | 1 4 | 4 58 | 16 37 | 16 47 | 16 24 | 15 50 | 3 9 | 3 42 |
| S 18 | 23 26 | 2 38 | 4 37 | 24 23 | 0 57 | 14 35 | 2 58 | 24 9 | 0 40 | 22 19 | 0 23 | 3 9 | 2 17 | 23 39 | 0 13 | 9 2 | 1 4 | 4 57 | 16 37 | 16 45 | 16 23 | 15 52 | 3 10 | 3 42 |
| S 19 | 23 24 | 1s41 | 4 1 | 24 31 | 1 3 | 14 53 | 2 57 | 24 11 | 0 41 | 22 20 | 0 23 | 3 9 | 2 18 | 23 38 | 0 13 | 9 1 | 1 4 | 4 57 | 16 37 | 16 45 | 16 22 | 15 53 | 3 11 | 3 42 |
| M20 | 23 21 | 5 49 | 3 15 | 24 39 | 1 8 | 15 12 | 2 56 | 24 12 | 0 41 | 22 22 | 0 23 | 3 8 | 2 18 | 23 38 | 0 13 | 9 1 | 1 4 | 4 57 | 16 36 | 16 44 | 16 21 | 15 54 | 3 12 | 3 42 |
| T 21 | 23 18 | 9 40 | 2 21 | 24 45 | 1 14 | 15 30 | 2 56 | 24 13 | 0 42 | 22 23 | 0 24 | 3 8 | 2 18 | 23 38 | 0 13 | 9 1 | 1 4 | 4 57 | 16 36 | 16 45 | 16 20 | 15 55 | 3 13 | 3 42 |
| W22 | 23 14 | 13 6 | 1 22 | 24 50 | 1 19 | 15 47 | 2 55 | 24 14 | 0 42 | 22 24 | 0 24 | 3 8 | 2 19 | 23 38 | 0 13 | 9 0 | 1 4 | 4 57 | 16 36 | 16 45 | 16 19 | 15 56 | 3 14 | 3 43 |
| T 23 | 23 10 | 16 0 | 0 19 | 24 53 | 1 24 | 16 5 | 2 54 | 24 14 | 0 43 | 22 26 | 0 24 | 3 8 | 2 19 | 23 38 | 0 13 | 8 59 | 1 4 | 4 56 | 16 35 | 16 45 | 16 18 | 15 58 | 3 14 | 3 43 |
| F 24 | 23 5 | 18 14 | 0n44 | 24 55 | 1 29 | 16 22 | 2 52 | 24 14 | 0 43 | 22 27 | 0 24 | 3 8 | 2 19 | 23 38 | 0 13 | 8 59 | 1 4 | 4 56 | 16 35 | 16 45 | 16 17 | 15 59 | 3 15 | 3 43 |
| S 25 | 23 0 | 19 42 | 1 46 | 24 56 | 1 33 | 16 39 | 2 51 | 24 14 | 0 44 | 22 28 | 0 24 | 3 8 | 2 19 | 23 38 | 0 13 | 8 58 | 1 4 | 4 56 | 16 35 | 16 44 | 16 16 | 16 0 | 3 16 | 3 43 |
| S 26 | 22 54 | 20 18 | 2 44 | 24 55 | 1 37 | 16 56 | 2 50 | 24 14 | 0 44 | 22 30 | 0 24 | 3 8 | 2 20 | 23 38 | 0 13 | 8 58 | 1 4 | 4 56 | 16 34 | 16 43 | 16 15 | 16 1 | 3 17 | 3 43 |
| M27 | 22 48 | 19 56 | 3 35 | 24 52 | 1 41 | 17 13 | 2 48 | 24 13 | 0 45 | 22 31 | 0 25 | 3 8 | 2 20 | 23 38 | 0 13 | 8 57 | 1 4 | 4 55 | 16 34 | 16 41 | 16 15 | 16 2 | 3 17 | 3 43 |
| T 28 | 22 41 | 18 36 | 4 17 | 24 48 | 1 45 | 17 29 | 2 47 | 24 12 | 0 45 | 22 32 | 0 25 | 3 9 | 2 20 | 23 38 | 0 13 | 8 57 | 1 4 | 4 55 | 16 34 | 16 38 | 16 14 | 16 3 | 3 18 | 3 43 |
| W29 | 22 34 | 16 19 | 4 46 | 24 43 | 1 49 | 17 45 | 2 45 | 24 11 | 0 46 | 22 33 | 0 25 | 3 9 | 2 21 | 23 38 | 0 13 | 8 56 | 1 4 | 4 55 | 16 33 | 16 35 | 16 13 | 16 4 | 3 18 | 3 44 |
| T 30 | 22 27 | 13 12 | 5 2 | 24 36 | 1 52 | 18 0 | 2 43 | 24 9 | 0 46 | 22 35 | 0 25 | 3 9 | 2 21 | 23 38 | 0 13 | 8 55 | 1 4 | 4 54 | 16 33 | 16 32 | 16 12 | 16 6 | 3 19 | 3 44 |
| F 31 | 22s19 | 9s23 | 5n 1 | 24s28 | 1s55 | 18s15 | 2n41 | 24s 7 | 0s47 | 22n36 | 0n25 | 3n 9 | 2n21 | 23n37 | 0n13 | 8s55 | 1s 4 | 4s54 | 16s32 | 16s28 | 16s11 | 16s 7 | 3s19 | 3s44 |

Julian Day Number = 2218497.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'24, Lahiri = 14°57'24 Julian Calendar 1 Dec. 1361 == Greg. Calendar 9 Dec. 1361


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## JANUARY 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 13 32 | 18♑56'54 | 5♓41 | 17♑35 | 4♐27 | 7♑38 | 18°R44 | 27°R29 | 24°R40 | 9♓48 | 27°R20 | 15°R 8 | 14♏14 | 14♏ 5 | 29♍45 | S 1 |
| S 2 | 7 17 29 | 19°58'01 | 19°15 | 19°15 | 5°36 | 8°24 | 18♋36 | 27♍29 | 24♊38 | 9°50 | 27♈20 | 15♏ 1 | 14°11 | 14°12 | 29°46 | S 2 |
| M 3 | 7 21 25 | 20°59'06 | 2♈58 | 20°56 | 6°46 | 9°10 | 18°28 | 27°28 | 24°35 | 9°52 | 27°D20 | 14°57 | 14° 8 | 14°18 | 29°46 | M 3 |
| T 4 | 7 25 22 | 22° 0'11 | 16°51 | 22°36 | 7°55 | 9°56 | 18°20 | 27°28 | 24°33 | 9°53 | 27°20 | 14°D56 | 14° 4 | 14°25 | 29°46 | T 4 |
| W 5 | 7 29 18 | 23° 1'14 | 0♉52 | 24°18 | 9° 4 | 10°43 | 18°12 | 27°27 | 24°31 | 9°55 | 27°20 | 14°56 | 14° 1 | 14°32 | 29°R46 | W 5 |
| T 6 | 7 33 15 | 24° 2'17 | 15° 2 | 26° 0 | 10°14 | 11°29 | 18° 4 | 27°26 | 24°29 | 9°57 | 27°20 | 14°R56 | 13°58 | 14°38 | 29°46 | T 6 |
| F 7 | 7 37 12 | 25° 3'18 | 29°19 | 27°43 | 11°24 | 12°15 | 17°56 | 27°25 | 24°27 | 9°58 | 27°20 | 14°56 | 13°55 | 14°45 | 29°46 | F 7 |
| S 8 | 7 41 8 | 26° 4'19 | 13♊41 | 29°26 | 12°34 | 13° 1 | 17°48 | 27°24 | 24°24 | 10° 0 | 27°20 | 14°53 | 13°52 | 14°52 | 29°46 | S 8 |
| S 9 | 7 45 5 | 27° 5'18 | 28° 5 | 1♒10 | 13°43 | 13°47 | 17°40 | 27°23 | 24°22 | 10° 2 | 27°20 | 14°47 | 13°49 | 14°58 | 29°46 | S 9 |
| M10 | 7 49 1 | 28° 6'16 | 12♋25 | 2°54 | 14°54 | 14°34 | 17°33 | 27°22 | 24°20 | 10° 4 | 27°20 | 14°38 | 13°45 | 15° 5 | 29°45 | M10 |
| T 11 | 7 52 58 | 29° 7'13 | 26°36 | 4°39 | 16° 4 | 15°20 | 17°25 | 27°21 | 24°18 | 10° 5 | 27°20 | 14°27 | 13°42 | 15°11 | 29°45 | T 11 |
| W12 | 7 56 54 | 0♒ 8'09 | 10♌32 | 6°24 | 17°14 | 16° 6 | 17°17 | 27°19 | 24°16 | 10° 7 | 27°20 | 14°15 | 13°39 | 15°18 | 29°44 | W12 |
| T 13 | 8 0 51 | 1° 9'04 | 24° 8 | 8°10 | 18°24 | 16°53 | 17°10 | 27°18 | 24°15 | 10° 9 | 27°21 | 14° 2 | 13°36 | 15°25 | 29°43 | T 13 |
| F 14 | 8 4 48 | 2° 9'59 | 7♍22 | 9°56 | 19°35 | 17°39 | 17° 2 | 27°16 | 24°13 | 10°11 | 27°21 | 13°51 | 13°33 | 15°31 | 29°42 | F 14 |
| S 15 | 8 8 44 | 3°10'52 | 20°14 | 11°42 | 20°45 | 18°26 | 16°54 | 27°15 | 24°11 | 10°13 | 27°21 | 13°42 | 13°29 | 15°38 | 29°41 | S 15 |
| S 16 | 8 12 41 | 4°11'44 | 2♎44 | 13°28 | 21°56 | 19°12 | 16°47 | 27°13 | 24° 9 | 10°15 | 27°21 | 13°36 | 13°26 | 15°45 | 29°40 | S 16 |
| M17 | 8 16 37 | 5°12'35 | 14°56 | 15°15 | 23° 7 | 19°59 | 16°40 | 27°11 | 24° 7 | 10°17 | 27°22 | 13°32 | 13°23 | 15°51 | 29°38 | M17 |
| T 18 | 8 20 34 | 6°13'26 | 26°55 | 17° 1 | 24°18 | 20°45 | 16°33 | 27° 9 | 24° 5 | 10°19 | 27°22 | 13°31 | 13°20 | 15°58 | 29°37 | T 18 |
| W19 | 8 24 30 | 7°14'15 | 8♏45 | 18°47 | 25°28 | 21°32 | 16°25 | 27° 7 | 24° 4 | 10°21 | 27°22 | 13°30 | 13°17 | 16° 5 | 29°35 | W19 |
| T 20 | 8 28 27 | 8°15'04 | 20°32 | 20°32 | 26°40 | 22°18 | 16°18 | 27° 5 | 24° 2 | 10°23 | 27°23 | 13°30 | 13°14 | 16°11 | 29°34 | T 20 |
| F 21 | 8 32 23 | 9°15'51 | 2♐22 | 22°17 | 27°51 | 23° 5 | 16°11 | 27° 2 | 24° 0 | 10°25 | 27°23 | 13°29 | 13°10 | 16°18 | 29°32 | F 21 |
| S 22 | 8 36 20 | 10°16'38 | 14°20 | 24° 0 | 29° 2 | 23°52 | 16° 5 | 27° 0 | 23°59 | 10°27 | 27°24 | 13°26 | 13° 7 | 16°25 | 29°30 | S 22 |
| S 23 | 8 40 17 | 11°17'23 | 26°31 | 25°42 | 0♑13 | 24°38 | 15°58 | 26°57 | 23°57 | 10°29 | 27°24 | 13°20 | 13° 4 | 16°31 | 29°28 | S 23 |
| M24 | 8 44 13 | 12°18'07 | 8♑58 | 27°22 | 1°24 | 25°25 | 15°51 | 26°55 | 23°56 | 10°31 | 27°24 | 13°12 | 13° 1 | 16°38 | 29°26 | M24 |
| T 25 | 8 48 10 | 13°18'50 | 21°43 | 28°59 | 2°36 | 26°12 | 15°45 | 26°52 | 23°54 | 10°33 | 27°25 | 13° 1 | 12°58 | 16°44 | 29°24 | T 25 |
| W26 | 8 52 6 | 14°19'32 | 4♒47 | 0♓34 | 3°47 | 26°58 | 15°39 | 26°49 | 23°53 | 10°35 | 27°25 | 12°48 | 12°55 | 16°51 | 29°22 | W26 |
| T 27 | 8 56 3 | 15°20'12 | 18° 9 | 2° 5 | 4°59 | 27°45 | 15°33 | 26°47 | 23°52 | 10°37 | 27°26 | 12°34 | 12°51 | 16°58 | 29°19 | T 27 |
| F 28 | 8 59 59 | 16°20'51 | 1♓47 | 3°33 | 6°10 | 28°32 | 15°26 | 26°44 | 23°50 | 10°39 | 27°27 | 12°21 | 12°48 | 17° 4 | 29°17 | F 28 |
| S 29 | 9 3 56 | 17°21'28 | 15°37 | 4°55 | 7°22 | 29°19 | 15°21 | 26°41 | 23°49 | 10°41 | 27°27 | 12°10 | 12°45 | 17°11 | 29°14 | S 29 |
| S 30 | 9 7 52 | 18°22'03 | 29°36 | 6°13 | 8°33 | 0♒ 5 | 15°15 | 26°37 | 23°48 | 10°43 | 27°28 | 12° 2 | 12°42 | 17°18 | 29°12 | S 30 |
| M31 | 9 11 49 | 19♒22'37 | 13♈39 | 7♓24 | 9♑45 | 0♒52 | 15♋ 9 | 26♍34 | 23♊47 | 10♓45 | 27♈28 | 11♏57 | 12♏39 | 17♏24 | 29♍ 9 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s11 | 5s 3 | 4n45 | 24s18 | 1s57 | 18s30 | 2n39 | 24s 5 | 0s47 | 22n37 | 0n25 | 3n10 | 2n21 | 23n37 | 0n13 | 8s54 | 1s 4 | 4s54 | 16s32 | 16s26 | 16s10 | 16s 8 | 3s20 | 3s44 |
| S 2 | 22 2 | 0 25 | 4 12 | 24 6 | 1 59 | 18 44 | 2 37 | 24 3 | 0 48 | 22 39 | 0 25 | 3 10 | 2 22 | 23 37 | 0 13 | 8 54 | 1 4 | 4 53 | 16 32 | 16 24 | 16 9 | 16 9 | 3 20 | 3 44 |
| M 3 | 21 53 | 4n18 | 3 24 | 23 53 | 2 1 | 18 58 | 2 35 | 24 0 | 0 48 | 22 40 | 0 25 | 3 11 | 2 22 | 23 37 | 0 13 | 8 53 | 1 4 | 4 53 | 16 31 | 16 23 | 16 8 | 16 10 | 3 20 | 3 44 |
| T 4 | 21 43 | 8 51 | 2 24 | 23 38 | 2 2 | 19 12 | 2 33 | 23 58 | 0 49 | 22 41 | 0 26 | 3 11 | 2 22 | 23 37 | 0 13 | 8 52 | 1 4 | 4 53 | 16 31 | 16 22 | 16 7 | 16 11 | 3 20 | 3 44 |
| W 5 | 21 33 | 12 58 | 1 14 | 23 21 | 2 4 | 19 25 | 2 30 | 23 54 | 0 49 | 22 42 | 0 26 | 3 12 | 2 23 | 23 37 | 0 13 | 8 52 | 1 4 | 4 52 | 16 31 | 16 22 | 16 6 | 16 12 | 3 20 | 3 45 |
| T 6 | 21 22 | 16 24 | 0s 0 | 23 3 | 2 4 | 19 37 | 2 28 | 23 51 | 0 50 | 22 43 | 0 26 | 3 12 | 2 23 | 23 37 | 0 13 | 8 51 | 1 4 | 4 52 | 16 30 | 16 22 | 16 5 | 16 14 | 3 21 | 3 45 |
| F 7 | 21 12 | 18 50 | 1 16 | 22 43 | 2 4 | 19 49 | 2 25 | 23 47 | 0 50 | 22 45 | 0 26 | 3 13 | 2 23 | 23 37 | 0 13 | 8 50 | 1 4 | 4 52 | 16 30 | 16 22 | 16 4 | 16 15 | 3 21 | 3 45 |
| S 8 | 21 0 | 20 6 | 2 26 | 22 22 | 2 4 | 20 1 | 2 23 | 23 43 | 0 51 | 22 46 | 0 26 | 3 13 | 2 23 | 23 37 | 0 13 | 8 50 | 1 4 | 4 51 | 16 30 | 16 21 | 16 3 | 16 16 | 3 21 | 3 45 |
| S 9 | 20 49 | 20 3 | 3 28 | 21 59 | 2 4 | 20 12 | 2 20 | 23 39 | 0 51 | 22 47 | 0 26 | 3 14 | 2 24 | 23 37 | 0 13 | 8 49 | 1 4 | 4 51 | 16 29 | 16 20 | 16 2 | 16 17 | 3 21 | 3 45 |
| M10 | 20 37 | 18 42 | 4 16 | 21 34 | 2 2 | 20 23 | 2 17 | 23 35 | 0 52 | 22 48 | 0 26 | 3 15 | 2 24 | 23 37 | 0 13 | 8 48 | 1 4 | 4 51 | 16 29 | 16 17 | 16 1 | 16 18 | 3 21 | 3 45 |
| T 11 | 20 24 | 16 12 | 4 47 | 21 7 | 2 1 | 20 33 | 2 15 | 23 30 | 0 52 | 22 49 | 0 26 | 3 16 | 2 24 | 23 36 | 0 13 | 8 48 | 1 4 | 4 50 | 16 29 | 16 14 | 16 0 | 16 19 | 3 20 | 3 45 |
| W12 | 20 11 | 12 50 | 5 1 | 20 39 | 1 59 | 20 43 | 2 12 | 23 25 | 0 53 | 22 50 | 0 27 | 3 16 | 2 24 | 23 36 | 0 13 | 8 47 | 1 4 | 4 50 | 16 28 | 16 10 | 15 59 | 16 20 | 3 20 | 3 45 |
| T 13 | 19 58 | 8 51 | 4 57 | 20 9 | 1 56 | 20 52 | 2 9 | 23 20 | 0 53 | 22 51 | 0 27 | 3 17 | 2 25 | 23 36 | 0 13 | 8 46 | 1 4 | 4 49 | 16 28 | 16 6 | 15 58 | 16 21 | 3 20 | 3 45 |
| F 14 | 19 45 | 4 33 | 4 37 | 19 38 | 1 53 | 21 1 | 2 6 | 23 14 | 0 54 | 22 52 | 0 27 | 3 18 | 2 25 | 23 36 | 0 13 | 8 45 | 1 4 | 4 49 | 16 27 | 16 3 | 15 57 | 16 22 | 3 20 | 3 46 |
| S 15 | 19 31 | 0 10 | 4 3 | 19 5 | 1 49 | 21 9 | 2 3 | 23 8 | 0 54 | 22 53 | 0 27 | 3 19 | 2 25 | 23 36 | 0 13 | 8 45 | 1 4 | 4 48 | 16 27 | 16 0 | 15 57 | 16 24 | 3 19 | 3 46 |
| S 16 | 19 16 | 4s 7 | 3 18 | 18 30 | 1 44 | 21 17 | 2 0 | 23 2 | 0 55 | 22 55 | 0 27 | 3 20 | 2 25 | 23 36 | 0 13 | 8 44 | 1 4 | 4 48 | 16 27 | 15 58 | 15 56 | 16 25 | 3 19 | 3 46 |
| M17 | 19 2 | 8 8 | 2 25 | 17 54 | 1 39 | 21 24 | 1 57 | 22 56 | 0 55 | 22 56 | 0 27 | 3 21 | 2 26 | 23 36 | 0 13 | 8 43 | 1 4 | 4 48 | 16 26 | 15 57 | 15 55 | 16 26 | 3 18 | 3 46 |
| T 18 | 18 47 | 11 45 | 1 27 | 17 16 | 1 33 | 21 30 | 1 54 | 22 49 | 0 55 | 22 57 | 0 27 | 3 22 | 2 26 | 23 36 | 0 13 | 8 43 | 1 4 | 4 47 | 16 26 | 15 57 | 15 54 | 16 27 | 3 18 | 3 46 |
| W19 | 18 31 | 14 52 | 0 25 | 16 37 | 1 27 | 21 36 | 1 50 | 22 43 | 0 56 | 22 58 | 0 27 | 3 23 | 2 26 | 23 36 | 0 13 | 8 42 | 1 4 | 4 47 | 16 26 | 15 57 | 15 53 | 16 28 | 3 17 | 3 46 |
| T 20 | 18 16 | 17 21 | 0n37 | 15 57 | 1 20 | 21 42 | 1 47 | 22 36 | 0 56 | 22 58 | 0 27 | 3 24 | 2 27 | 23 36 | 0 13 | 8 41 | 1 4 | 4 46 | 16 25 | 15 57 | 15 52 | 16 29 | 3 17 | 3 46 |
| F 21 | 18 0 | 19 6 | 1 38 | 15 16 | 1 12 | 21 46 | 1 44 | 22 28 | 0 57 | 22 59 | 0 28 | 3 25 | 2 27 | 23 36 | 0 13 | 8 40 | 1 4 | 4 46 | 16 25 | 15 56 | 15 51 | 16 30 | 3 16 | 3 46 |
| S 22 | 17 44 | 20 1 | 2 36 | 14 34 | 1 3 | 21 50 | 1 41 | 22 21 | 0 57 | 23 0 | 0 28 | 3 27 | 2 27 | 23 36 | 0 13 | 8 39 | 1 4 | 4 45 | 16 25 | 15 56 | 15 50 | 16 31 | 3 16 | 3 46 |
| S 23 | 17 27 | 20 2 | 3 27 | 13 51 | 0 54 | 21 54 | 1 37 | 22 13 | 0 57 | 23 1 | 0 28 | 3 28 | 2 27 | 23 36 | 0 13 | 8 39 | 1 4 | 4 45 | 16 24 | 15 54 | 15 49 | 16 32 | 3 15 | 3 46 |
| M24 | 17 10 | 19 4 | 4 9 | 13 7 | 0 44 | 21 57 | 1 34 | 22 5 | 0 58 | 23 2 | 0 28 | 3 29 | 2 28 | 23 36 | 0 13 | 8 38 | 1 4 | 4 44 | 16 24 | 15 51 | 15 48 | 16 33 | 3 14 | 3 46 |
| T 25 | 16 53 | 17 9 | 4 40 | 12 23 | 0 33 | 21 59 | 1 30 | 21 56 | 0 58 | 23 3 | 0 28 | 3 30 | 2 28 | 23 35 | 0 13 | 8 37 | 1 4 | 4 44 | 16 24 | 15 48 | 15 47 | 16 34 | 3 13 | 3 46 |
| W26 | 16 35 | 14 19 | 4 57 | 11 38 | 0 21 | 22 1 | 1 27 | 21 48 | 0 59 | 23 4 | 0 28 | 3 32 | 2 28 | 23 35 | 0 13 | 8 36 | 1 4 | 4 43 | 16 23 | 15 44 | 15 46 | 16 35 | 3 12 | 3 46 |
| T 27 | 16 17 | 10 42 | 4 59 | 10 54 | 0 9 | 22 2 | 1 23 | 21 39 | 0 59 | 23 5 | 0 28 | 3 33 | 2 28 | 23 35 | 0 13 | 8 36 | 1 4 | 4 43 | 16 23 | 15 40 | 15 45 | 16 36 | 3 11 | 3 46 |
| F 28 | 15 59 | 6 28 | 4 43 | 10 10 | 0n 4 | 22 3 | 1 20 | 21 30 | 0 59 | 23 5 | 0 28 | 3 34 | 2 28 | 23 35 | 0 13 | 8 35 | 1 4 | 4 42 | 16 23 | 15 36 | 15 44 | 16 37 | 3 10 | 3 46 |
| S 29 | 15 41 | 1 50 | 4 11 | 9 28 | 0 18 | 22 2 | 1 17 | 21 20 | 1 0 | 23 6 | 0 28 | 3 36 | 2 29 | 23 35 | 0 13 | 8 34 | 1 4 | 4 42 | 16 22 | 15 32 | 15 43 | 16 38 | 3 9 | 3 46 |
| S 30 | 15 22 | 2n57 | 3 24 | 8 46 | 0 32 | 22 2 | 1 13 | 21 11 | 1 0 | 23 7 | 0 28 | 3 37 | 2 29 | 23 35 | 0 13 | 8 33 | 1 4 | 4 41 | 16 22 | 15 30 | 15 42 | 16 39 | 3 8 | 3 46 |
| M31 | 15s 4 | 7n36 | 2n24 | 8s 6 | 0n47 | 22s 0 | 1n 9 | 21s 1 | 1s 1 | 23n 8 | 0n28 | 3n39 | 2n29 | 23n35 | 0n13 | 8s32 | 1s 4 | 4s41 | 16s22 | 15s28 | 15s41 | 16s40 | 3s 7 | 3s46 |

Julian Day Number = 2218528.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'28, Lahiri = 14°57'29 Julian Calendar 1 Jan. 1362 == Greg. Calendar 9 Jan. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## FEBRUARY 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 15 45 | 20♒23'08 | 27♈44 | 8♓29 | 10♉57 | 1♒39 | 15°R 4 | 26°R31 | 23°R46 | 10♓48 | 27♈29 | 11°R55 | 12♏35 | 17♏31 | 29°R 6 | T 1 |
| W 2 | 9 19 42 | 21°23'38 | 11♉50 | 9°26 | 12° 9 | 2°26 | 14♋59 | 26♍28 | 23♊45 | 10°50 | 27°29 | 11°D55 | 12°32 | 17°38 | 29♍ 3 | W 2 |
| T 3 | 9 23 39 | 22°24'06 | 25°55 | 10°15 | 13°21 | 3°13 | 14°53 | 26°24 | 23°44 | 10°52 | 27°30 | 11°R55 | 12°29 | 17°44 | 29° 0 | T 3 |
| F 4 | 9 27 35 | 23°24'32 | 9♊59 | 10°56 | 14°33 | 4° 0 | 14°49 | 26°21 | 23°43 | 10°54 | 27°31 | 11♏54 | 12°26 | 17°51 | 28°57 | F 4 |
| S 5 | 9 31 32 | 24°24'57 | 24° 1 | 11°28 | 15°44 | 4°46 | 14°44 | 26°17 | 23°42 | 10°56 | 27°32 | 11°51 | 12°23 | 17°58 | 28°53 | S 5 |
| S 6 | 9 35 28 | 25°25'19 | 7♋59 | 11°50 | 16°56 | 5°33 | 14°39 | 26°14 | 23°41 | 10°59 | 27°32 | 11°45 | 12°20 | 18° 4 | 28°50 | S 6 |
| M 7 | 9 39 25 | 26°25'39 | 21°51 | 12° 2 | 18° 8 | 6°20 | 14°35 | 26°10 | 23°40 | 11° 1 | 27°33 | 11°37 | 12°16 | 18°11 | 28°47 | M 7 |
| T 8 | 9 43 21 | 27°25'57 | 5♌35 | 12°R 4 | 19°21 | 7° 7 | 14°31 | 26° 6 | 23°39 | 11° 3 | 27°34 | 11°26 | 12°13 | 18°18 | 28°43 | T 8 |
| W 9 | 9 47 18 | 28°26'13 | 19° 7 | 11°57 | 20°33 | 7°54 | 14°26 | 26° 2 | 23°39 | 11° 5 | 27°34 | 11°14 | 12°10 | 18°24 | 28°40 | W 9 |
| T 10 | 9 51 14 | 29°26'28 | 2♍24 | 11°40 | 21°45 | 8°41 | 14°23 | 25°58 | 23°38 | 11° 7 | 27°35 | 11° 2 | 12° 7 | 18°31 | 28°36 | T 10 |
| F 11 | 9 55 11 | 0♓26'40 | 15°24 | 11°14 | 22°57 | 9°28 | 14°19 | 25°54 | 23°37 | 11°10 | 27°36 | 10°50 | 12° 4 | 18°37 | 28°32 | F 11 |
| S 12 | 9 59 8 | 1°26'51 | 28° 7 | 10°39 | 24° 9 | 10°15 | 14°15 | 25°50 | 23°37 | 11°12 | 27°37 | 10°41 | 12° 1 | 18°44 | 28°28 | S 12 |
| S 13 | 10 3 4 | 2°27'01 | 10♎32 | 9°58 | 25°22 | 11° 2 | 14°12 | 25°46 | 23°36 | 11°14 | 27°38 | 10°34 | 11°57 | 18°51 | 28°25 | S 13 |
| M14 | 10 7 1 | 3°27'08 | 22°42 | 9° 9 | 26°34 | 11°49 | 14° 9 | 25°42 | 23°36 | 11°16 | 27°39 | 10°30 | 11°54 | 18°57 | 28°21 | M14 |
| T 15 | 10 10 57 | 4°27'14 | 4♏41 | 8°15 | 27°46 | 12°36 | 14° 6 | 25°38 | 23°35 | 11°19 | 27°39 | 10°29 | 11°51 | 19° 4 | 28°17 | T 15 |
| W16 | 10 14 54 | 5°27'18 | 16°31 | 7°18 | 28°59 | 13°23 | 14° 3 | 25°34 | 23°35 | 11°21 | 27°40 | 10°D29 | 11°48 | 19°11 | 28°13 | W16 |
| T 17 | 10 18 50 | 6°27'21 | 28°19 | 6°18 | 0♒11 | 14°10 | 14° 0 | 25°30 | 23°35 | 11°23 | 27°41 | 10°29 | 11°45 | 19°17 | 28° 8 | T 17 |
| F 18 | 10 22 47 | 7°27'22 | 10♐ 9 | 5°17 | 1°24 | 14°57 | 13°58 | 25°25 | 23°35 | 11°26 | 27°42 | 10°R29 | 11°41 | 19°24 | 28° 4 | F 18 |
| S 19 | 10 26 43 | 8°27'21 | 22° 8 | 4°17 | 2°36 | 15°44 | 13°56 | 25°21 | 23°34 | 11°28 | 27°43 | 10°28 | 11°38 | 19°31 | 28° 0 | S 19 |
| S 20 | 10 30 40 | 9°27'19 | 4♑20 | 3°18 | 3°49 | 16°31 | 13°54 | 25°17 | 23°34 | 11°30 | 27°44 | 10°25 | 11°35 | 19°37 | 27°56 | S 20 |
| M21 | 10 34 37 | 10°27'15 | 16°50 | 2°22 | 5° 1 | 17°18 | 13°52 | 25°12 | 23°34 | 11°32 | 27°45 | 10°20 | 11°32 | 19°44 | 27°51 | M21 |
| T 22 | 10 38 33 | 11°27'09 | 29°41 | 1°30 | 6°14 | 18° 5 | 13°50 | 25° 8 | 23°D34 | 11°35 | 27°46 | 10°12 | 11°29 | 19°51 | 27°47 | T 22 |
| W23 | 10 42 30 | 12°27'01 | 12♒56 | 0°43 | 7°26 | 18°52 | 13°49 | 25° 3 | 23°34 | 11°37 | 27°47 | 10° 3 | 11°26 | 19°57 | 27°43 | W23 |
| T 24 | 10 46 26 | 13°26'52 | 26°33 | 0° 1 | 8°39 | 19°39 | 13°47 | 24°59 | 23°34 | 11°39 | 27°48 | 9°53 | 11°22 | 20° 4 | 27°38 | T 24 |
| F 25 | 10 50 23 | 14°26'40 | 10♓31 | 29♒25 | 9°52 | 20°26 | 13°46 | 24°54 | 23°35 | 11°41 | 27°49 | 9°43 | 11°19 | 20°10 | 27°34 | F 25 |
| S 26 | 10 54 19 | 15°26'27 | 24°45 | 28°56 | 11° 4 | 21°13 | 13°45 | 24°49 | 23°35 | 11°44 | 27°50 | 9°35 | 11°16 | 20°17 | 27°29 | S 26 |
| S 27 | 10 58 16 | 16°26'11 | 9♈11 | 28°32 | 12°17 | 22° 0 | 13°45 | 24°45 | 23°35 | 11°46 | 27°51 | 9°30 | 11°13 | 20°24 | 27°24 | S 27 |
| M28 | 11 2 12 | 17♓25'54 | 23♈40 | 28♒15 | 13♒30 | 22♒47 | 13♋44 | 24♍40 | 23♊35 | 11♓48 | 27♈52 | 9♏26 | 11♏10 | 20♏30 | 27♍20 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s44 | 11n52 | 1n14 | 7s27 | 1n 2 | 21s58 | 1n 6 | 20s51 | 1s 1 | 23n 8 | 0n28 | 3n40 | 2n29 | 23n35 | 0n13 | 8s31 | 1s 4 | 4s40 | 16s21 | 15s28 | 15s40 | 16s41 | 3s 6 | 3s46 | T 1 |
| W 2 | 14 25 | 15 27 | 0 0 | 6 52 | 1 18 | 21 56 | 1 2 | 20 41 | 1 1 | 23 9 | 0 28 | 3 42 | 2 30 | 23 35 | 0 13 | 8 31 | 1 4 | 4 40 | 16 21 | 15 28 | 15 39 | 16 42 | 3 5 | 3 46 | W 2 |
| T 3 | 14 6 | 18 7 | 1s14 | 6 19 | 1 33 | 21 52 | 0 59 | 20 30 | 1 2 | 23 9 | 0 29 | 3 43 | 2 30 | 23 35 | 0 13 | 8 30 | 1 4 | 4 39 | 16 21 | 15 28 | 15 38 | 16 43 | 3 4 | 3 46 | T 3 |
| F 4 | 13 46 | 19 40 | 2 23 | 5 49 | 1 49 | 21 48 | 0 55 | 20 20 | 1 2 | 23 10 | 0 29 | 3 45 | 2 30 | 23 35 | 0 13 | 8 29 | 1 4 | 4 39 | 16 20 | 15 27 | 15 37 | 16 45 | 3 2 | 3 46 | F 4 |
| S 5 | 13 26 | 20 0 | 3 23 | 5 23 | 2 4 | 21 44 | 0 52 | 20 9 | 1 2 | 23 11 | 0 29 | 3 47 | 2 30 | 23 35 | 0 13 | 8 28 | 1 4 | 4 38 | 16 20 | 15 26 | 15 36 | 16 46 | 3 1 | 3 46 | S 5 |
| S 6 | 13 5 | 19 6 | 4 11 | 5 0 | 2 19 | 21 39 | 0 48 | 19 57 | 1 3 | 23 11 | 0 29 | 3 48 | 2 30 | 23 35 | 0 13 | 8 27 | 1 4 | 4 38 | 16 20 | 15 25 | 15 35 | 16 47 | 3 0 | 3 46 | S 6 |
| M 7 | 12 45 | 17 4 | 4 44 | 4 42 | 2 34 | 21 33 | 0 45 | 19 46 | 1 3 | 23 12 | 0 29 | 3 50 | 2 31 | 23 35 | 0 13 | 8 26 | 1 4 | 4 37 | 16 19 | 15 22 | 15 34 | 16 48 | 2 58 | 3 46 | M 7 |
| T 8 | 12 24 | 14 5 | 5 0 | 4 29 | 2 47 | 21 26 | 0 41 | 19 35 | 1 3 | 23 12 | 0 29 | 3 52 | 2 31 | 23 35 | 0 13 | 8 26 | 1 4 | 4 37 | 16 19 | 15 19 | 15 33 | 16 49 | 2 57 | 3 46 | T 8 |
| W 9 | 12 3 | 10 24 | 4 59 | 4 20 | 3 0 | 21 19 | 0 38 | 19 23 | 1 4 | 23 13 | 0 29 | 3 53 | 2 31 | 23 35 | 0 13 | 8 25 | 1 4 | 4 36 | 16 19 | 15 15 | 15 32 | 16 50 | 2 55 | 3 46 | W 9 |
| T 10 | 11 42 | 6 17 | 4 41 | 4 16 | 3 12 | 21 12 | 0 34 | 19 11 | 1 4 | 23 13 | 0 29 | 3 55 | 2 31 | 23 35 | 0 13 | 8 24 | 1 4 | 4 36 | 16 18 | 15 11 | 15 31 | 16 51 | 2 54 | 3 46 | T 10 |
| F 11 | 11 21 | 1 57 | 4 9 | 4 16 | 3 22 | 21 3 | 0 31 | 18 59 | 1 4 | 23 14 | 0 29 | 3 57 | 2 31 | 23 35 | 0 13 | 8 23 | 1 4 | 4 35 | 16 18 | 15 8 | 15 30 | 16 52 | 2 52 | 3 46 | F 11 |
| S 12 | 11 0 | 2s23 | 3 25 | 4 21 | 3 30 | 20 55 | 0 27 | 18 46 | 1 5 | 23 14 | 0 29 | 3 58 | 2 31 | 23 35 | 0 13 | 8 22 | 1 4 | 4 34 | 16 18 | 15 5 | 15 29 | 16 52 | 2 51 | 3 46 | S 12 |
| S 13 | 10 38 | 6 31 | 2 32 | 4 31 | 3 37 | 20 45 | 0 24 | 18 34 | 1 5 | 23 15 | 0 29 | 4 0 | 2 32 | 23 35 | 0 13 | 8 21 | 1 4 | 4 34 | 16 18 | 15 3 | 15 28 | 16 53 | 2 49 | 3 46 | S 13 |
| M14 | 10 16 | 10 18 | 1 33 | 4 45 | 3 41 | 20 35 | 0 20 | 18 21 | 1 5 | 23 15 | 0 29 | 4 2 | 2 32 | 23 35 | 0 13 | 8 20 | 1 4 | 4 33 | 16 17 | 15 1 | 15 27 | 16 54 | 2 47 | 3 46 | M14 |
| T 15 | 9 55 | 13 37 | 0 31 | 5 3 | 3 44 | 20 24 | 0 17 | 18 8 | 1 5 | 23 15 | 0 29 | 4 4 | 2 32 | 23 35 | 0 13 | 8 20 | 1 4 | 4 33 | 16 17 | 15 1 | 15 26 | 16 55 | 2 46 | 3 46 | T 15 |
| W16 | 9 33 | 16 19 | 0n32 | 5 23 | 3 44 | 20 13 | 0 13 | 17 55 | 1 6 | 23 16 | 0 29 | 4 6 | 2 32 | 23 35 | 0 13 | 8 19 | 1 4 | 4 32 | 16 17 | 15 1 | 15 26 | 16 56 | 2 44 | 3 45 | W16 |
| T 17 | 9 10 | 18 20 | 1 34 | 5 47 | 3 42 | 20 1 | 0 10 | 17 41 | 1 6 | 23 16 | 0 29 | 4 7 | 2 32 | 23 35 | 0 13 | 8 18 | 1 4 | 4 32 | 16 16 | 15 1 | 15 25 | 16 57 | 2 42 | 3 45 | T 17 |
| F 18 | 8 48 | 19 33 | 2 32 | 6 13 | 3 39 | 19 49 | 0 7 | 17 28 | 1 6 | 23 16 | 0 29 | 4 9 | 2 32 | 23 34 | 0 13 | 8 17 | 1 4 | 4 31 | 16 16 | 15 1 | 15 24 | 16 58 | 2 40 | 3 45 | F 18 |
| S 19 | 8 26 | 19 54 | 3 24 | 6 40 | 3 33 | 19 36 | 0 3 | 17 14 | 1 6 | 23 17 | 0 29 | 4 11 | 2 32 | 23 34 | 0 13 | 8 16 | 1 4 | 4 30 | 16 16 | 15 1 | 15 23 | 16 59 | 2 38 | 3 45 | S 19 |
| S 20 | 8 3 | 19 20 | 4 7 | 7 8 | 3 25 | 19 22 | 0s 0 | 17 0 | 1 7 | 23 17 | 0 29 | 4 13 | 2 33 | 23 34 | 0 13 | 8 15 | 1 4 | 4 30 | 16 16 | 15 0 | 15 22 | 17 0 | 2 37 | 3 45 | S 20 |
| M21 | 7 40 | 17 49 | 4 40 | 7 37 | 3 16 | 19 8 | 0 3 | 16 46 | 1 7 | 23 17 | 0 29 | 4 15 | 2 33 | 23 34 | 0 13 | 8 14 | 1 4 | 4 29 | 16 15 | 14 58 | 15 21 | 17 1 | 2 35 | 3 45 | M21 |
| T 22 | 7 18 | 15 23 | 5 0 | 8 5 | 3 5 | 18 53 | 0 7 | 16 32 | 1 7 | 23 17 | 0 30 | 4 17 | 2 33 | 23 34 | 0 13 | 8 14 | 1 4 | 4 29 | 16 15 | 14 56 | 15 20 | 17 2 | 2 33 | 3 45 | T 22 |
| W23 | 6 55 | 12 7 | 5 5 | 8 33 | 2 54 | 18 38 | 0 10 | 16 17 | 1 7 | 23 17 | 0 30 | 4 19 | 2 33 | 23 34 | 0 13 | 8 13 | 1 4 | 4 28 | 16 15 | 14 53 | 15 19 | 17 3 | 2 31 | 3 44 | W23 |
| T 24 | 6 32 | 8 7 | 4 53 | 9 0 | 2 41 | 18 22 | 0 13 | 16 3 | 1 8 | 23 18 | 0 30 | 4 21 | 2 33 | 23 34 | 0 13 | 8 12 | 1 4 | 4 28 | 16 15 | 14 50 | 15 18 | 17 4 | 2 29 | 3 44 | T 24 |
| F 25 | 6 9 | 3 36 | 4 23 | 9 25 | 2 27 | 18 6 | 0 16 | 15 48 | 1 8 | 23 18 | 0 30 | 4 22 | 2 33 | 23 34 | 0 13 | 8 11 | 1 4 | 4 27 | 16 14 | 14 47 | 15 17 | 17 5 | 2 27 | 3 44 | F 25 |
| S 26 | 5 45 | 1n13 | 3 36 | 9 48 | 2 13 | 17 49 | 0 19 | 15 33 | 1 8 | 23 18 | 0 30 | 4 24 | 2 33 | 23 34 | 0 13 | 8 10 | 1 4 | 4 26 | 16 14 | 14 44 | 15 16 | 17 6 | 2 25 | 3 44 | S 26 |
| S 27 | 5 22 | 6 2 | 2 35 | 10 10 | 1 59 | 17 32 | 0 22 | 15 18 | 1 8 | 23 18 | 0 30 | 4 26 | 2 33 | 23 34 | 0 13 | 8 9 | 1 4 | 4 26 | 16 14 | 14 42 | 15 15 | 17 7 | 2 23 | 3 44 | S 27 |
| M28 | 4s59 | 10n31 | 1n24 | 10s30 | 1n44 | 17s14 | 0s25 | 15s 3 | 1s 8 | 23n18 | 0n30 | 4n28 | 2n33 | 23n35 | 0n13 | 8s 8 | 1s 4 | 4s25 | 16s14 | 14s41 | 15s14 | 17s 8 | 2s21 | 3s43 | M28 |

Julian Day Number = 2218559.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'32, Lahiri = 14°57'33 Julian Calendar 1 Feb. 1362 == Greg. Calendar 9 Feb. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## MARCH 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 6 9 | 18♓25'34 | 8♉ 9 | 28°R 4 | 14♒42 | 23♒34 | 13°R44 | 24°R36 | 23♊36 | 11♓51 | 27♈53 | 9°D25 | 11♏ 6 | 20♏37 | 27°R15 | T 1 |
| W 2 | 11 10 6 | 19°25'12 | 22°33 | 27°D59 | 15°55 | 24°21 | 13°D44 | 24♍31 | 23°36 | 11°53 | 27°54 | 9♏26 | 11° 3 | 20°44 | 27♍11 | W 2 |
| T 3 | 11 14 2 | 20°24'47 | 6♊48 | 28♒ 1 | 17° 8 | 25° 8 | 13♋44 | 24°26 | 23°36 | 11°55 | 27°56 | 9°27 | 11° 0 | 20°50 | 27° 6 | T 3 |
| F 4 | 11 17 59 | 21°24'21 | 20°54 | 28° 8 | 18°21 | 25°55 | 13°44 | 24°22 | 23°37 | 11°57 | 27°57 | 9°R27 | 10°57 | 20°57 | 27° 1 | F 4 |
| S 5 | 11 21 55 | 22°23'52 | 4♋48 | 28°20 | 19°33 | 26°42 | 13°45 | 24°17 | 23°38 | 12° 0 | 27°58 | 9°27 | 10°54 | 21° 4 | 26°56 | S 5 |
| S 6 | 11 25 52 | 23°23'20 | 18°31 | 28°38 | 20°46 | 27°29 | 13°45 | 24°12 | 23°38 | 12° 2 | 27°59 | 9°24 | 10°51 | 21°10 | 26°52 | S 6 |
| M 7 | 11 29 48 | 24°22'46 | 2♌ 2 | 29° 1 | 21°59 | 28°16 | 13°46 | 24° 7 | 23°39 | 12° 4 | 28° 0 | 9°19 | 10°47 | 21°17 | 26°47 | M 7 |
| T 8 | 11 33 45 | 25°22'10 | 15°21 | 29°28 | 23°12 | 29° 3 | 13°47 | 24° 3 | 23°40 | 12° 6 | 28° 1 | 9°13 | 10°44 | 21°24 | 26°42 | T 8 |
| W 9 | 11 37 41 | 26°21'32 | 28°28 | 0♓ 0 | 24°25 | 29°50 | 13°49 | 23°58 | 23°40 | 12° 8 | 28° 3 | 9° 6 | 10°41 | 21°30 | 26°37 | W 9 |
| T 10 | 11 41 38 | 27°20'51 | 11♍22 | 0°37 | 25°38 | 0♓37 | 13°50 | 23°53 | 23°41 | 12°11 | 28° 4 | 8°58 | 10°38 | 21°37 | 26°33 | T 10 |
| F 11 | 11 45 34 | 28°20'08 | 24° 2 | 1°17 | 26°50 | 1°24 | 13°52 | 23°49 | 23°42 | 12°13 | 28° 5 | 8°51 | 10°35 | 21°44 | 26°28 | F 11 |
| S 12 | 11 49 31 | 29°19'23 | 6♎29 | 2° 1 | 28° 3 | 2°11 | 13°54 | 23°44 | 23°43 | 12°15 | 28° 6 | 8°46 | 10°32 | 21°50 | 26°23 | S 12 |
| S 13 | 11 53 28 | 0♈18'36 | 18°44 | 2°48 | 29°16 | 2°57 | 13°56 | 23°39 | 23°44 | 12°17 | 28° 7 | 8°42 | 10°28 | 21°57 | 26°18 | S 13 |
| M14 | 11 57 24 | 1°17'47 | 0♏48 | 3°39 | 0♓29 | 3°44 | 13°58 | 23°35 | 23°45 | 12°19 | 28° 9 | 8°40 | 10°25 | 22° 3 | 26°14 | M14 |
| T 15 | 12 1 21 | 2°16'56 | 12°42 | 4°33 | 1°42 | 4°31 | 14° 0 | 23°30 | 23°46 | 12°22 | 28°10 | 8°D39 | 10°22 | 22°10 | 26° 9 | T 15 |
| W16 | 12 5 17 | 3°16'03 | 24°32 | 5°30 | 2°55 | 5°18 | 14° 3 | 23°26 | 23°47 | 12°24 | 28°11 | 8°40 | 10°19 | 22°17 | 26° 4 | W16 |
| T 17 | 12 9 14 | 4°15'09 | 6♐20 | 6°30 | 4° 8 | 6° 5 | 14° 5 | 23°21 | 23°49 | 12°26 | 28°12 | 8°42 | 10°16 | 22°23 | 26° 0 | T 17 |
| F 18 | 12 13 10 | 5°14'12 | 18°10 | 7°32 | 5°21 | 6°52 | 14° 8 | 23°16 | 23°50 | 12°28 | 28°14 | 8°44 | 10°12 | 22°30 | 25°55 | F 18 |
| S 19 | 12 17 7 | 6°13'14 | 0♑ 9 | 8°38 | 6°34 | 7°39 | 14°11 | 23°12 | 23°51 | 12°30 | 28°15 | 8°45 | 10° 9 | 22°37 | 25°50 | S 19 |
| S 20 | 12 21 3 | 7°12'14 | 12°20 | 9°45 | 7°47 | 8°25 | 14°15 | 23° 7 | 23°52 | 12°32 | 28°16 | 8°R45 | 10° 6 | 22°43 | 25°46 | S 20 |
| M21 | 12 25 0 | 8°11'12 | 24°48 | 10°55 | 9° 0 | 9°12 | 14°18 | 23° 3 | 23°54 | 12°34 | 28°17 | 8°44 | 10° 3 | 22°50 | 25°41 | M21 |
| T 22 | 12 28 57 | 9°10'08 | 7♒38 | 12° 7 | 10°13 | 9°59 | 14°22 | 22°59 | 23°55 | 12°37 | 28°19 | 8°41 | 10° 0 | 22°57 | 25°37 | T 22 |
| W23 | 12 32 53 | 10° 9'03 | 20°53 | 13°22 | 11°26 | 10°46 | 14°25 | 22°54 | 23°57 | 12°39 | 28°20 | 8°38 | 9°57 | 23° 3 | 25°32 | W23 |
| T 24 | 12 36 50 | 11° 7'56 | 4♓34 | 14°38 | 12°39 | 11°32 | 14°29 | 22°50 | 23°58 | 12°41 | 28°21 | 8°34 | 9°53 | 23°10 | 25°28 | T 24 |
| F 25 | 12 40 46 | 12° 6'46 | 18°40 | 15°56 | 13°52 | 12°19 | 14°34 | 22°45 | 24° 0 | 12°43 | 28°23 | 8°30 | 9°50 | 23°17 | 25°23 | F 25 |
| S 26 | 12 44 43 | 13° 5'35 | 3♈ 8 | 17°17 | 15° 5 | 13° 6 | 14°38 | 22°41 | 24° 2 | 12°45 | 28°24 | 8°26 | 9°47 | 23°23 | 25°19 | S 26 |
| S 27 | 12 48 39 | 14° 4'22 | 17°52 | 18°39 | 16°18 | 13°53 | 14°42 | 22°37 | 24° 3 | 12°47 | 28°25 | 8°24 | 9°44 | 23°30 | 25°14 | S 27 |
| M28 | 12 52 36 | 15° 3'07 | 2♉45 | 20° 3 | 17°31 | 14°39 | 14°47 | 22°33 | 24° 5 | 12°49 | 28°27 | 8°D23 | 9°41 | 23°37 | 25°10 | M28 |
| T 29 | 12 56 32 | 16° 1'50 | 17°39 | 21°29 | 18°44 | 15°26 | 14°52 | 22°29 | 24° 7 | 12°51 | 28°28 | 8°23 | 9°38 | 23°43 | 25° 6 | T 29 |
| W30 | 13 0 29 | 17° 0'31 | 2♊26 | 22°57 | 19°57 | 16°12 | 14°57 | 22°25 | 24° 9 | 12°53 | 28°29 | 8°24 | 9°34 | 23°50 | 25° 2 | W30 |
| T 31 | 13 4 26 | 17♈59'09 | 17♊ 1 | 24♓27 | 21♓10 | 16♓59 | 15♋ 2 | 22♍21 | 24♊10 | 12♓55 | 28♈31 | 8♏25 | 9♏31 | 23♏56 | 24♍58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s36 | 14n23 | 0n 7 | 10s47 | 1n29 | 16s55 | 0s28 | 14s47 | 1s 9 | 23n18 | 0n30 | 4n30 | 2n33 | 23n35 | 0n13 | 8s 8 | 1s 4 | 4s25 | 16s13 | 14s41 | 15s13 | 17s 9 | 2s19 | 3s43 |
| W 2 | 4 12 | 17 20 | 1s10 | 11 3 | 1 15 | 16 37 | 0 31 | 14 32 | 1 9 | 23 18 | 0 30 | 4 32 | 2 34 | 23 35 | 0 13 | 8 7 | 1 4 | 4 24 | 16 13 | 14 41 | 15 12 | 17 10 | 2 17 | 3 43 |
| T 3 | 3 49 | 19 11 | 2 22 | 11 16 | 1 0 | 16 17 | 0 34 | 14 16 | 1 9 | 23 18 | 0 30 | 4 34 | 2 34 | 23 35 | 0 13 | 8 6 | 1 4 | 4 23 | 16 13 | 14 41 | 15 11 | 17 11 | 2 15 | 3 43 |
| F 4 | 3 25 | 19 48 | 3 25 | 11 27 | 0 46 | 15 58 | 0 37 | 14 0 | 1 9 | 23 18 | 0 30 | 4 36 | 2 34 | 23 35 | 0 13 | 8 5 | 1 4 | 4 23 | 16 13 | 14 41 | 15 10 | 17 11 | 2 12 | 3 42 |
| S 5 | 3 2 | 19 12 | 4 14 | 11 36 | 0 32 | 15 38 | 0 39 | 13 44 | 1 9 | 23 18 | 0 30 | 4 38 | 2 34 | 23 35 | 0 13 | 8 4 | 1 4 | 4 22 | 16 12 | 14 41 | 15 9 | 17 12 | 2 10 | 3 42 |
| S 6 | 2 38 | 17 28 | 4 49 | 11 42 | 0 18 | 15 17 | 0 42 | 13 28 | 1 9 | 23 18 | 0 30 | 4 40 | 2 34 | 23 35 | 0 13 | 8 3 | 1 4 | 4 22 | 16 12 | 14 40 | 15 8 | 17 13 | 2 8 | 3 42 |
| M 7 | 2 14 | 14 48 | 5 6 | 11 47 | 0 5 | 14 56 | 0 45 | 13 12 | 1 10 | 23 18 | 0 30 | 4 42 | 2 34 | 23 35 | 0 13 | 8 2 | 1 4 | 4 21 | 16 12 | 14 39 | 15 7 | 17 14 | 2 6 | 3 41 |
| T 8 | 1 51 | 11 24 | 5 7 | 11 49 | 0s 8 | 14 35 | 0 47 | 12 56 | 1 10 | 23 18 | 0 30 | 4 44 | 2 34 | 23 35 | 0 13 | 8 2 | 1 4 | 4 21 | 16 12 | 14 37 | 15 6 | 17 15 | 2 4 | 3 41 |
| W 9 | 1 27 | 7 29 | 4 52 | 11 49 | 0 20 | 14 13 | 0 50 | 12 39 | 1 10 | 23 18 | 0 30 | 4 45 | 2 34 | 23 35 | 0 13 | 8 1 | 1 4 | 4 20 | 16 12 | 14 35 | 15 5 | 17 16 | 2 2 | 3 41 |
| T 10 | 1 4 | 3 18 | 4 21 | 11 47 | 0 32 | 13 50 | 0 52 | 12 23 | 1 10 | 23 18 | 0 30 | 4 47 | 2 34 | 23 35 | 0 13 | 8 0 | 1 4 | 4 19 | 16 11 | 14 32 | 15 4 | 17 17 | 1 59 | 3 40 |
| F 11 | 0 40 | 0s58 | 3 39 | 11 43 | 0 43 | 13 28 | 0 55 | 12 6 | 1 10 | 23 18 | 0 30 | 4 49 | 2 34 | 23 35 | 0 13 | 7 59 | 1 4 | 4 19 | 16 11 | 14 30 | 15 3 | 17 18 | 1 57 | 3 40 |
| S 12 | 0 16 | 5 7 | 2 46 | 11 38 | 0 54 | 13 5 | 0 57 | 11 50 | 1 10 | 23 17 | 0 30 | 4 51 | 2 34 | 23 35 | 0 13 | 7 58 | 1 4 | 4 18 | 16 11 | 14 28 | 15 2 | 17 19 | 1 55 | 3 40 |
| S 13 | 0n 7 | 9 0 | 1 46 | 11 30 | 1 4 | 12 42 | 0 59 | 11 33 | 1 10 | 23 17 | 0 30 | 4 53 | 2 34 | 23 35 | 0 13 | 7 57 | 1 4 | 4 18 | 16 11 | 14 27 | 15 1 | 17 19 | 1 53 | 3 39 |
| M14 | 0 31 | 12 27 | 0 43 | 11 20 | 1 13 | 12 18 | 1 1 | 11 16 | 1 10 | 23 17 | 0 30 | 4 55 | 2 34 | 23 35 | 0 13 | 7 57 | 1 4 | 4 17 | 16 11 | 14 26 | 15 0 | 17 20 | 1 51 | 3 39 |
| T 15 | 0 55 | 15 21 | 0n22 | 11 9 | 1 22 | 11 54 | 1 4 | 10 59 | 1 10 | 23 17 | 0 30 | 4 57 | 2 34 | 23 35 | 0 13 | 7 56 | 1 4 | 4 17 | 16 11 | 14 26 | 14 59 | 17 21 | 1 48 | 3 39 |
| W16 | 1 18 | 17 35 | 1 26 | 10 56 | 1 31 | 11 29 | 1 6 | 10 41 | 1 10 | 23 17 | 0 30 | 4 58 | 2 34 | 23 35 | 0 13 | 7 55 | 1 4 | 4 16 | 16 10 | 14 26 | 14 58 | 17 22 | 1 46 | 3 38 |
| T 17 | 1 42 | 19 3 | 2 26 | 10 41 | 1 39 | 11 5 | 1 8 | 10 24 | 1 10 | 23 16 | 0 30 | 5 0 | 2 34 | 23 35 | 0 13 | 7 54 | 1 4 | 4 15 | 16 10 | 14 27 | 14 57 | 17 23 | 1 44 | 3 38 |
| F 18 | 2 5 | 19 41 | 3 20 | 10 25 | 1 46 | 10 40 | 1 10 | 10 7 | 1 11 | 23 16 | 0 30 | 5 2 | 2 34 | 23 35 | 0 13 | 7 53 | 1 4 | 4 15 | 16 10 | 14 28 | 14 56 | 17 24 | 1 42 | 3 37 |
| S 19 | 2 29 | 19 26 | 4 5 | 10 7 | 1 53 | 10 14 | 1 12 | 9 49 | 1 11 | 23 16 | 0 30 | 5 4 | 2 34 | 23 35 | 0 13 | 7 53 | 1 4 | 4 14 | 16 10 | 14 28 | 14 55 | 17 25 | 1 40 | 3 37 |
| S 20 | 2 52 | 18 17 | 4 41 | 9 47 | 2 0 | 9 49 | 1 13 | 9 32 | 1 11 | 23 15 | 0 30 | 5 6 | 2 34 | 23 35 | 0 13 | 7 52 | 1 4 | 4 14 | 16 10 | 14 28 | 14 54 | 17 25 | 1 37 | 3 37 |
| M21 | 3 15 | 16 15 | 5 5 | 9 26 | 2 6 | 9 23 | 1 15 | 9 14 | 1 11 | 23 15 | 0 30 | 5 7 | 2 34 | 23 35 | 0 13 | 7 51 | 1 4 | 4 13 | 16 10 | 14 28 | 14 53 | 17 26 | 1 35 | 3 36 |
| T 22 | 3 39 | 13 22 | 5 14 | 9 3 | 2 11 | 8 57 | 1 17 | 8 57 | 1 11 | 23 15 | 0 30 | 5 9 | 2 34 | 23 35 | 0 13 | 7 50 | 1 4 | 4 13 | 16 10 | 14 27 | 14 52 | 17 27 | 1 33 | 3 36 |
| W23 | 4 2 | 9 44 | 5 7 | 8 39 | 2 16 | 8 31 | 1 19 | 8 39 | 1 11 | 23 14 | 0 30 | 5 11 | 2 34 | 23 35 | 0 13 | 7 49 | 1 4 | 4 12 | 16 9 | 14 26 | 14 51 | 17 28 | 1 31 | 3 35 |
| T 24 | 4 25 | 5 29 | 4 42 | 8 13 | 2 20 | 8 4 | 1 20 | 8 21 | 1 11 | 23 14 | 0 30 | 5 12 | 2 34 | 23 36 | 0 13 | 7 49 | 1 4 | 4 11 | 16 9 | 14 24 | 14 50 | 17 29 | 1 29 | 3 35 |
| F 25 | 4 48 | 0 49 | 4 0 | 7 46 | 2 24 | 7 37 | 1 22 | 8 3 | 1 11 | 23 13 | 0 30 | 5 14 | 2 34 | 23 36 | 0 13 | 7 48 | 1 4 | 4 11 | 16 9 | 14 23 | 14 49 | 17 30 | 1 26 | 3 34 |
| S 26 | 5 11 | 4n 2 | 3 2 | 7 18 | 2 27 | 7 10 | 1 23 | 7 45 | 1 11 | 23 13 | 0 30 | 5 16 | 2 34 | 23 36 | 0 13 | 7 47 | 1 4 | 4 10 | 16 9 | 14 22 | 14 48 | 17 30 | 1 24 | 3 34 |
| S 27 | 5 34 | 8 44 | 1 51 | 6 48 | 2 30 | 6 43 | 1 24 | 7 27 | 1 11 | 23 12 | 0 30 | 5 17 | 2 34 | 23 36 | 0 13 | 7 46 | 1 4 | 4 10 | 16 9 | 14 21 | 14 47 | 17 31 | 1 22 | 3 34 |
| M28 | 5 57 | 12 57 | 0 31 | 6 17 | 2 32 | 6 16 | 1 26 | 7 9 | 1 11 | 23 12 | 0 30 | 5 19 | 2 34 | 23 36 | 0 13 | 7 46 | 1 4 | 4 9 | 16 9 | 14 21 | 14 46 | 17 32 | 1 20 | 3 33 |
| T 29 | 6 20 | 16 20 | 0s51 | 5 44 | 2 33 | 5 48 | 1 27 | 6 51 | 1 11 | 23 11 | 0 30 | 5 21 | 2 33 | 23 36 | 0 13 | 7 45 | 1 4 | 4 9 | 16 9 | 14 21 | 14 45 | 17 33 | 1 18 | 3 33 |
| W30 | 6 42 | 18 37 | 2 9 | 5 10 | 2 34 | 5 20 | 1 28 | 6 33 | 1 11 | 23 11 | 0 30 | 5 22 | 2 33 | 23 36 | 0 13 | 7 44 | 1 4 | 4 8 | 16 9 | 14 21 | 14 44 | 17 34 | 1 16 | 3 32 |
| T 31 | 7n 5 | 19n36 | 3s18 | 4s35 | 2s35 | 4s52 | 1s29 | 6s14 | 1s11 | 23n10 | 0n30 | 5n24 | 2n33 | 23n36 | 0n13 | 7s43 | 1s 4 | 4s 8 | 16s 9 | 14s22 | 14s43 | 17s35 | 1s14 | 3s32 |

Julian Day Number = 2218587.5, Delta T = 08m51s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'36, Lahiri = 14°57'37 Julian Calendar 1 March 1362 == Greg. Calendar 9 March 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## APRIL 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 8 22 | 18♈57'46 | 1♋19 | 25♓58 | 22♓23 | 17♓45 | 15♋ 7 | 22°R17 | 24♊12 | 12♓57 | 28♈32 | 8♏26 | 9♏28 | 24♏ 3 | 24°R54 | F 1 |
| S 2 | 13 12 19 | 19°56'20 | 15°19 | 27°31 | 23°37 | 18°32 | 15°13 | 22♍13 | 24°14 | 12°59 | 28°33 | 8°R27 | 9°25 | 24°10 | 24♍50 | S 2 |
| S 3 | 13 16 15 | 20°54'52 | 28°59 | 29° 6 | 24°50 | 19°18 | 15°18 | 22° 9 | 24°16 | 13° 0 | 28°35 | 8°27 | 9°22 | 24°16 | 24°46 | S 3 |
| M 4 | 13 20 12 | 21°53'21 | 12♌20 | 0♈42 | 26° 3 | 20° 5 | 15°24 | 22° 5 | 24°18 | 13° 2 | 28°36 | 8°26 | 9°18 | 24°23 | 24°42 | M 4 |
| T 5 | 13 24 8 | 22°51'49 | 25°24 | 2°21 | 27°16 | 20°51 | 15°30 | 22° 2 | 24°20 | 13° 4 | 28°38 | 8°24 | 9°15 | 24°30 | 24°38 | T 5 |
| W 6 | 13 28 5 | 23°50'14 | 8♍13 | 4° 0 | 28°29 | 21°38 | 15°36 | 21°58 | 24°23 | 13° 6 | 28°39 | 8°23 | 9°12 | 24°36 | 24°34 | W 6 |
| T 7 | 13 32 1 | 24°48'37 | 20°47 | 5°42 | 29°42 | 22°24 | 15°42 | 21°54 | 24°25 | 13° 8 | 28°40 | 8°20 | 9° 9 | 24°43 | 24°31 | T 7 |
| F 8 | 13 35 58 | 25°46'58 | 3♎ 9 | 7°25 | 0♈55 | 23°10 | 15°49 | 21°51 | 24°27 | 13°10 | 28°42 | 8°19 | 9° 6 | 24°50 | 24°27 | F 8 |
| S 9 | 13 39 54 | 26°45'17 | 15°20 | 9°10 | 2° 8 | 23°57 | 15°55 | 21°47 | 24°29 | 13°11 | 28°43 | 8°17 | 9° 3 | 24°56 | 24°23 | S 9 |
| S 10 | 13 43 51 | 27°43'34 | 27°23 | 10°57 | 3°21 | 24°43 | 16° 2 | 21°44 | 24°31 | 13°13 | 28°44 | 8°17 | 8°59 | 25° 3 | 24°20 | S 10 |
| M11 | 13 47 48 | 28°41'50 | 9♏18 | 12°46 | 4°34 | 25°29 | 16° 8 | 21°41 | 24°34 | 13°15 | 28°46 | 8°D16 | 8°56 | 25°10 | 24°17 | M11 |
| T 12 | 13 51 44 | 29°40'03 | 21° 9 | 14°36 | 5°48 | 26°15 | 16°15 | 21°38 | 24°36 | 13°17 | 28°47 | 8°17 | 8°53 | 25°16 | 24°13 | T 12 |
| W13 | 13 55 41 | 0♉38'15 | 2♐57 | 16°28 | 7° 1 | 27° 1 | 16°22 | 21°34 | 24°39 | 13°18 | 28°49 | 8°17 | 8°50 | 25°23 | 24°10 | W13 |
| T 14 | 13 59 37 | 1°36'26 | 14°46 | 18°22 | 8°14 | 27°48 | 16°30 | 21°31 | 24°41 | 13°20 | 28°50 | 8°18 | 8°47 | 25°30 | 24° 7 | T 14 |
| F 15 | 14 3 34 | 2°34'34 | 26°38 | 20°17 | 9°27 | 28°34 | 16°37 | 21°28 | 24°44 | 13°22 | 28°51 | 8°19 | 8°43 | 25°36 | 24° 4 | F 15 |
| S 16 | 14 7 30 | 3°32'42 | 8♑38 | 22°14 | 10°40 | 29°20 | 16°44 | 21°26 | 24°46 | 13°23 | 28°53 | 8°19 | 8°40 | 25°43 | 24° 1 | S 16 |
| S 17 | 14 11 27 | 4°30'48 | 20°49 | 24°13 | 11°53 | 0♈ 6 | 16°52 | 21°23 | 24°49 | 13°25 | 28°54 | 8°19 | 8°37 | 25°50 | 23°58 | S 17 |
| M18 | 14 15 23 | 5°28'52 | 3♒16 | 26°14 | 13° 6 | 0°52 | 17° 0 | 21°20 | 24°51 | 13°26 | 28°55 | 8°R20 | 8°34 | 25°56 | 23°56 | M18 |
| T 19 | 14 19 20 | 6°26'55 | 16° 2 | 28°16 | 14°20 | 1°38 | 17° 8 | 21°17 | 24°54 | 13°28 | 28°57 | 8°20 | 8°31 | 26° 3 | 23°53 | T 19 |
| W20 | 14 23 17 | 7°24'56 | 29°12 | 0♉20 | 15°33 | 2°24 | 17°16 | 21°15 | 24°56 | 13°30 | 28°58 | 8°19 | 8°28 | 26° 9 | 23°50 | W20 |
| T 21 | 14 27 13 | 8°22'56 | 12♓47 | 2°25 | 16°46 | 3° 9 | 17°24 | 21°12 | 24°59 | 13°31 | 28°59 | 8°D19 | 8°24 | 26°16 | 23°48 | T 21 |
| F 22 | 14 31 10 | 9°20'55 | 26°50 | 4°32 | 17°59 | 3°55 | 17°32 | 21°10 | 25° 2 | 13°32 | 29° 1 | 8°19 | 8°21 | 26°23 | 23°46 | F 22 |
| S 23 | 14 35 6 | 10°18'53 | 11♈17 | 6°39 | 19°12 | 4°41 | 17°40 | 21° 8 | 25° 5 | 13°34 | 29° 2 | 8°20 | 8°18 | 26°29 | 23°43 | S 23 |
| S 24 | 14 39 3 | 11°16'49 | 26° 6 | 8°48 | 20°25 | 5°27 | 17°49 | 21° 6 | 25° 7 | 13°35 | 29° 4 | 8°20 | 8°15 | 26°36 | 23°41 | S 24 |
| M25 | 14 42 59 | 12°14'43 | 11♉ 9 | 10°58 | 21°39 | 6°13 | 17°57 | 21° 4 | 25°10 | 13°37 | 29° 5 | 8°R20 | 8°12 | 26°43 | 23°39 | M25 |
| T 26 | 14 46 56 | 13°12'36 | 26°19 | 13° 8 | 22°52 | 6°58 | 18° 6 | 21° 2 | 25°13 | 13°38 | 29° 6 | 8°20 | 8° 9 | 26°49 | 23°37 | T 26 |
| W27 | 14 50 52 | 14°10'28 | 11♊25 | 15°19 | 24° 5 | 7°44 | 18°15 | 21° 0 | 25°16 | 13°39 | 29° 8 | 8°19 | 8° 5 | 26°56 | 23°35 | W27 |
| T 28 | 14 54 49 | 15° 8'18 | 26°19 | 17°30 | 25°18 | 8°29 | 18°24 | 20°58 | 25°19 | 13°41 | 29° 9 | 8°19 | 8° 2 | 27° 3 | 23°33 | T 28 |
| F 29 | 14 58 46 | 16° 6'06 | 10♋54 | 19°41 | 26°31 | 9°15 | 18°33 | 20°56 | 25°22 | 13°42 | 29°10 | 8°18 | 7°59 | 27° 9 | 23°32 | F 29 |
| S 30 | 15 2 42 | 17♉ 3'52 | 25♋ 6 | 21♉52 | 27♈45 | 10♈ 0 | 18♋42 | 20♍55 | 25♊25 | 13♓43 | 29♈12 | 8♏17 | 7♏56 | 27♏16 | 23♍30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n27 | 19n18 | 4s12 | 3s59 | 2s35 | 4s24 | 1s30 | 5s56 | 1s11 | 23n10 | 0n30 | 5n25 | 2n33 | 23n36 | 0n13 | 7s43 | 1s 4 | 4s 7 | 16s 9 | 14s22 | 14s42 | 17s35 | 1s11 | 3s31 |
| S 2 | 7 49 | 17 49 | 4 51 | 3 21 | 2 34 | 3 56 | 1 31 | 5 38 | 1 10 | 23 9 | 0 30 | 5 27 | 2 33 | 23 36 | 0 13 | 7 42 | 1 4 | 4 7 | 16 9 | 14 22 | 14 41 | 17 36 | 1 9 | 3 31 |
| S 3 | 8 11 | 15 20 | 5 12 | 2 42 | 2 33 | 3 28 | 1 32 | 5 20 | 1 10 | 23 8 | 0 30 | 5 28 | 2 33 | 23 36 | 0 13 | 7 41 | 1 4 | 4 6 | 16 8 | 14 22 | 14 40 | 17 37 | 1 7 | 3 30 |
| M 4 | 8 33 | 12 6 | 5 16 | 2 2 | 2 32 | 2 59 | 1 32 | 5 1 | 1 10 | 23 8 | 0 30 | 5 29 | 2 33 | 23 36 | 0 13 | 7 41 | 1 4 | 4 6 | 16 8 | 14 22 | 14 39 | 17 38 | 1 5 | 3 29 |
| T 5 | 8 55 | 8 21 | 5 3 | 1 21 | 2 30 | 2 31 | 1 33 | 4 43 | 1 10 | 23 7 | 0 30 | 5 31 | 2 33 | 23 37 | 0 13 | 7 40 | 1 4 | 4 5 | 16 8 | 14 21 | 14 38 | 17 39 | 1 3 | 3 29 |
| W 6 | 9 17 | 4 16 | 4 35 | 0 39 | 2 27 | 2 2 | 1 34 | 4 24 | 1 10 | 23 6 | 0 30 | 5 32 | 2 33 | 23 37 | 0 13 | 7 39 | 1 5 | 4 5 | 16 8 | 14 21 | 14 37 | 17 39 | 1 1 | 3 28 |
| T 7 | 9 38 | 0 5 | 3 54 | 0n 4 | 2 24 | 1 34 | 1 34 | 4 6 | 1 10 | 23 6 | 0 30 | 5 33 | 2 33 | 23 37 | 0 13 | 7 39 | 1 5 | 4 4 | 16 8 | 14 20 | 14 36 | 17 40 | 0 59 | 3 28 |
| F 8 | 10 0 | 4s 3 | 3 3 | 0 49 | 2 20 | 1 5 | 1 35 | 3 47 | 1 10 | 23 5 | 0 30 | 5 35 | 2 32 | 23 37 | 0 13 | 7 38 | 1 5 | 4 4 | 16 8 | 14 19 | 14 35 | 17 41 | 0 57 | 3 27 |
| S 9 | 10 21 | 7 58 | 2 4 | 1 34 | 2 16 | 0 36 | 1 35 | 3 29 | 1 10 | 23 4 | 0 30 | 5 36 | 2 32 | 23 37 | 0 13 | 7 37 | 1 5 | 4 3 | 16 8 | 14 19 | 14 34 | 17 42 | 0 56 | 3 27 |
| S 10 | 10 42 | 11 31 | 1 0 | 2 20 | 2 11 | 0 7 | 1 35 | 3 10 | 1 10 | 23 4 | 0 30 | 5 37 | 2 32 | 23 37 | 0 13 | 7 37 | 1 5 | 4 3 | 16 8 | 14 19 | 14 33 | 17 42 | 0 54 | 3 26 |
| M11 | 11 3 | 14 33 | 0n 6 | 3 7 | 2 6 | 0n22 | 1 36 | 2 52 | 1 10 | 23 3 | 0 30 | 5 38 | 2 32 | 23 37 | 0 13 | 7 36 | 1 5 | 4 2 | 16 8 | 14 19 | 14 31 | 17 43 | 0 52 | 3 26 |
| T 12 | 11 24 | 16 58 | 1 11 | 3 56 | 2 0 | 0 51 | 1 36 | 2 33 | 1 9 | 23 2 | 0 30 | 5 39 | 2 32 | 23 37 | 0 13 | 7 35 | 1 5 | 4 2 | 16 8 | 14 19 | 14 30 | 17 44 | 0 50 | 3 25 |
| W13 | 11 44 | 18 39 | 2 13 | 4 44 | 1 54 | 1 19 | 1 36 | 2 15 | 1 9 | 23 1 | 0 31 | 5 41 | 2 32 | 23 37 | 0 13 | 7 35 | 1 5 | 4 1 | 16 8 | 14 19 | 14 29 | 17 45 | 0 48 | 3 24 |
| T 14 | 12 4 | 19 31 | 3 9 | 5 34 | 1 47 | 1 48 | 1 36 | 1 56 | 1 9 | 23 0 | 0 31 | 5 42 | 2 32 | 23 37 | 0 13 | 7 34 | 1 5 | 4 1 | 16 8 | 14 19 | 14 28 | 17 46 | 0 46 | 3 24 |
| F 15 | 12 24 | 19 31 | 3 58 | 6 25 | 1 40 | 2 17 | 1 36 | 1 38 | 1 9 | 22 59 | 0 31 | 5 43 | 2 32 | 23 37 | 0 13 | 7 34 | 1 5 | 4 0 | 16 8 | 14 19 | 14 27 | 17 46 | 0 45 | 3 23 |
| S 16 | 12 44 | 18 38 | 4 36 | 7 16 | 1 32 | 2 46 | 1 36 | 1 19 | 1 9 | 22 58 | 0 31 | 5 44 | 2 31 | 23 38 | 0 13 | 7 33 | 1 5 | 4 0 | 16 8 | 14 20 | 14 26 | 17 47 | 0 43 | 3 23 |
| S 17 | 13 4 | 16 54 | 5 3 | 8 7 | 1 24 | 3 15 | 1 36 | 1 1 | 1 9 | 22 57 | 0 31 | 5 45 | 2 31 | 23 38 | 0 13 | 7 32 | 1 5 | 3 59 | 16 8 | 14 20 | 14 25 | 17 48 | 0 41 | 3 22 |
| M18 | 13 24 | 14 21 | 5 17 | 8 59 | 1 16 | 3 44 | 1 35 | 0 42 | 1 8 | 22 56 | 0 31 | 5 46 | 2 31 | 23 38 | 0 13 | 7 32 | 1 5 | 3 59 | 16 8 | 14 20 | 14 24 | 17 49 | 0 40 | 3 21 |
| T 19 | 13 43 | 11 4 | 5 15 | 9 51 | 1 7 | 4 12 | 1 35 | 0 24 | 1 8 | 22 55 | 0 31 | 5 46 | 2 31 | 23 38 | 0 13 | 7 31 | 1 5 | 3 58 | 16 8 | 14 20 | 14 23 | 17 49 | 0 38 | 3 21 |
| W20 | 14 2 | 7 9 | 4 57 | 10 44 | 0 57 | 4 41 | 1 35 | 0 5 | 1 8 | 22 54 | 0 31 | 5 47 | 2 31 | 23 38 | 0 13 | 7 31 | 1 5 | 3 58 | 16 8 | 14 20 | 14 22 | 17 50 | 0 37 | 3 20 |
| T 21 | 14 21 | 2 44 | 4 22 | 11 36 | 0 48 | 5 10 | 1 34 | 0n13 | 1 8 | 22 53 | 0 31 | 5 48 | 2 31 | 23 38 | 0 13 | 7 30 | 1 5 | 3 58 | 16 8 | 14 20 | 14 21 | 17 51 | 0 35 | 3 20 |
| F 22 | 14 39 | 1n58 | 3 31 | 12 29 | 0 38 | 5 38 | 1 34 | 0 32 | 1 8 | 22 52 | 0 31 | 5 49 | 2 30 | 23 38 | 0 13 | 7 30 | 1 5 | 3 57 | 16 8 | 14 20 | 14 20 | 17 51 | 0 33 | 3 19 |
| S 23 | 14 58 | 6 42 | 2 25 | 13 21 | 0 28 | 6 6 | 1 33 | 0 50 | 1 7 | 22 51 | 0 31 | 5 50 | 2 30 | 23 38 | 0 13 | 7 29 | 1 5 | 3 57 | 16 8 | 14 20 | 14 19 | 17 52 | 0 32 | 3 18 |
| S 24 | 15 16 | 11 10 | 1 8 | 14 12 | 0 17 | 6 35 | 1 32 | 1 9 | 1 7 | 22 50 | 0 31 | 5 50 | 2 30 | 23 38 | 0 13 | 7 29 | 1 5 | 3 56 | 16 8 | 14 20 | 14 18 | 17 53 | 0 31 | 3 18 |
| M25 | 15 34 | 14 59 | 0s16 | 15 4 | 0 7 | 7 3 | 1 32 | 1 27 | 1 7 | 22 49 | 0 31 | 5 51 | 2 30 | 23 38 | 0 13 | 7 28 | 1 5 | 3 56 | 16 8 | 14 20 | 14 17 | 17 54 | 0 29 | 3 17 |
| T 26 | 15 51 | 17 48 | 1 38 | 15 54 | 0n 4 | 7 31 | 1 31 | 1 45 | 1 7 | 22 48 | 0 31 | 5 52 | 2 30 | 23 39 | 0 13 | 7 28 | 1 5 | 3 55 | 16 8 | 14 20 | 14 16 | 17 54 | 0 28 | 3 16 |
| W27 | 16 9 | 19 21 | 2 54 | 16 43 | 0 14 | 7 59 | 1 30 | 2 4 | 1 6 | 22 47 | 0 31 | 5 52 | 2 30 | 23 39 | 0 13 | 7 27 | 1 5 | 3 55 | 16 8 | 14 20 | 14 15 | 17 55 | 0 26 | 3 16 |
| T 28 | 16 26 | 19 32 | 3 56 | 17 30 | 0 25 | 8 26 | 1 29 | 2 22 | 1 6 | 22 46 | 0 31 | 5 53 | 2 29 | 23 39 | 0 13 | 7 27 | 1 5 | 3 55 | 16 9 | 14 19 | 14 14 | 17 56 | 0 25 | 3 15 |
| F 29 | 16 43 | 18 23 | 4 42 | 18 17 | 0 35 | 8 54 | 1 28 | 2 40 | 1 6 | 22 44 | 0 31 | 5 53 | 2 29 | 23 39 | 0 13 | 7 26 | 1 5 | 3 54 | 16 9 | 14 19 | 14 13 | 17 56 | 0 24 | 3 15 |
| S 30 | 16n59 | 16n 7 | 5s 9 | 19n 1 | 0n45 | 9n21 | 1s27 | 2n58 | 1s 6 | 22n43 | 0n31 | 5n54 | 2n29 | 23n39 | 0n13 | 7s26 | 1s 5 | 3s54 | 16s 9 | 14s19 | 14s12 | 17s57 | 0s23 | 3s14 |

Julian Day Number = 2218618.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'40, Lahiri = 14°57'41 Julian Calendar 1 Apr. 1362 == Greg. Calendar 9 Apr. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## MAY 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 6 39 | 18♉ 1'37 | 8♌52 | 24♉ 2 | 28♈58 | 10♈46 | 18♋51 | 20°R53 | 25♊28 | 13♓45 | 29♈13 | 8°R17 | 7♏53 | 27♏23 | 23°R29 | S 1 |
| M 2 | 15 10 35 | 18°59'20 | 22°14 | 26°11 | 0♉11 | 11°31 | 19° 0 | 20♍52 | 25°31 | 13°46 | 29°14 | 8°D16 | 7°49 | 27°29 | 23♍28 | M 2 |
| T 3 | 15 14 32 | 19°57'02 | 5♍13 | 28°19 | 1°24 | 12°17 | 19°10 | 20°50 | 25°34 | 13°47 | 29°15 | 8♏17 | 7°46 | 27°36 | 23°26 | T 3 |
| W 4 | 15 18 28 | 20°54'41 | 17°51 | 0♊25 | 2°38 | 13° 2 | 19°19 | 20°49 | 25°37 | 13°48 | 29°17 | 8°18 | 7°43 | 27°43 | 23°25 | W 4 |
| T 5 | 15 22 25 | 21°52'20 | 0♎14 | 2°30 | 3°51 | 13°47 | 19°29 | 20°48 | 25°40 | 13°49 | 29°18 | 8°19 | 7°40 | 27°49 | 23°24 | T 5 |
| F 6 | 15 26 21 | 22°49'56 | 12°23 | 4°33 | 5° 4 | 14°32 | 19°39 | 20°47 | 25°43 | 13°50 | 29°19 | 8°20 | 7°37 | 27°56 | 23°23 | F 6 |
| S 7 | 15 30 18 | 23°47'32 | 24°23 | 6°34 | 6°17 | 15°17 | 19°49 | 20°46 | 25°47 | 13°51 | 29°21 | 8°21 | 7°34 | 28° 3 | 23°23 | S 7 |
| S 8 | 15 34 15 | 24°45'05 | 6♏17 | 8°32 | 7°30 | 16° 2 | 19°59 | 20°45 | 25°50 | 13°52 | 29°22 | 8°R21 | 7°30 | 28° 9 | 23°22 | S 8 |
| M 9 | 15 38 11 | 25°42'38 | 18° 6 | 10°28 | 8°44 | 16°47 | 20° 9 | 20°44 | 25°53 | 13°53 | 29°23 | 8°21 | 7°27 | 28°16 | 23°21 | M 9 |
| T 10 | 15 42 8 | 26°40'10 | 29°54 | 12°22 | 9°57 | 17°32 | 20°19 | 20°44 | 25°56 | 13°54 | 29°24 | 8°20 | 7°24 | 28°23 | 23°21 | T 10 |
| W11 | 15 46 4 | 27°37'40 | 11♐44 | 14°13 | 11°10 | 18°17 | 20°29 | 20°43 | 25°59 | 13°55 | 29°26 | 8°18 | 7°21 | 28°29 | 23°21 | W11 |
| T 12 | 15 50 1 | 28°35'09 | 23°36 | 16° 1 | 12°23 | 19° 2 | 20°39 | 20°43 | 26° 3 | 13°56 | 29°27 | 8°15 | 7°18 | 28°36 | 23°20 | T 12 |
| F 13 | 15 53 57 | 29°32'38 | 5♑33 | 17°47 | 13°37 | 19°47 | 20°50 | 20°43 | 26° 6 | 13°57 | 29°28 | 8°12 | 7°15 | 28°43 | 23°D20 | F 13 |
| S 14 | 15 57 54 | 0♊30'05 | 17°38 | 19°30 | 14°50 | 20°32 | 21° 0 | 20°42 | 26° 9 | 13°58 | 29°29 | 8° 8 | 7°11 | 28°49 | 23°20 | S 14 |
| S 15 | 16 1 50 | 1°27'32 | 29°53 | 21°10 | 16° 3 | 21°17 | 21°11 | 20°42 | 26°13 | 13°59 | 29°30 | 8° 5 | 7° 8 | 28°56 | 23°20 | S 15 |
| M16 | 16 5 47 | 2°24'58 | 12♒22 | 22°47 | 17°16 | 22° 1 | 21°21 | 20°D42 | 26°16 | 14° 0 | 29°32 | 8° 3 | 7° 5 | 29° 2 | 23°21 | M16 |
| T 17 | 16 9 44 | 3°22'23 | 25° 8 | 24°22 | 18°30 | 22°46 | 21°32 | 20°42 | 26°19 | 14° 0 | 29°33 | 8° 2 | 7° 2 | 29° 9 | 23°21 | T 17 |
| W18 | 16 13 40 | 4°19'47 | 8♓13 | 25°53 | 19°43 | 23°30 | 21°43 | 20°42 | 26°23 | 14° 1 | 29°34 | 8°D 1 | 6°59 | 29°16 | 23°21 | W18 |
| T 19 | 16 17 37 | 5°17'11 | 21°40 | 27°22 | 20°56 | 24°15 | 21°54 | 20°43 | 26°26 | 14° 2 | 29°35 | 8° 2 | 6°55 | 29°22 | 23°22 | T 19 |
| F 20 | 16 21 33 | 6°14'34 | 5♈33 | 28°47 | 22°10 | 24°59 | 22° 5 | 20°43 | 26°30 | 14° 2 | 29°36 | 8° 4 | 6°52 | 29°29 | 23°23 | F 20 |
| S 21 | 16 25 30 | 7°11'57 | 19°50 | 0♋10 | 23°23 | 25°44 | 22°16 | 20°44 | 26°33 | 14° 3 | 29°37 | 8° 5 | 6°49 | 29°36 | 23°24 | S 21 |
| S 22 | 16 29 26 | 8° 9'19 | 4♉30 | 1°29 | 24°36 | 26°28 | 22°27 | 20°44 | 26°37 | 14° 4 | 29°39 | 8°R 6 | 6°46 | 29°42 | 23°24 | S 22 |
| M23 | 16 33 23 | 9° 6'40 | 19°28 | 2°46 | 25°50 | 27°12 | 22°38 | 20°45 | 26°40 | 14° 4 | 29°40 | 8° 5 | 6°43 | 29°49 | 23°25 | M23 |
| T 24 | 16 37 19 | 10° 4'01 | 4♊38 | 3°59 | 27° 3 | 27°57 | 22°49 | 20°46 | 26°43 | 14° 5 | 29°41 | 8° 4 | 6°40 | 29°56 | 23°27 | T 24 |
| W25 | 16 41 16 | 11° 1'21 | 19°50 | 5° 9 | 28°16 | 28°41 | 23° 1 | 20°47 | 26°47 | 14° 5 | 29°42 | 8° 0 | 6°36 | 0♐ 2 | 23°28 | W25 |
| T 26 | 16 45 13 | 11°58'40 | 4♋53 | 6°16 | 29°30 | 29°25 | 23°12 | 20°48 | 26°51 | 14° 6 | 29°43 | 7°56 | 6°33 | 0° 9 | 23°29 | T 26 |
| F 27 | 16 49 9 | 12°55'59 | 19°40 | 7°20 | 0♊43 | 0♉ 9 | 23°24 | 20°49 | 26°54 | 14° 6 | 29°44 | 7°51 | 6°30 | 0°16 | 23°31 | F 27 |
| S 28 | 16 53 6 | 13°53'17 | 4♌ 3 | 8°20 | 1°56 | 0°53 | 23°35 | 20°50 | 26°58 | 14° 7 | 29°45 | 7°46 | 6°27 | 0°22 | 23°32 | S 28 |
| S 29 | 16 57 2 | 14°50'34 | 17°58 | 9°17 | 3°10 | 1°37 | 23°47 | 20°51 | 27° 1 | 14° 7 | 29°46 | 7°42 | 6°24 | 0°29 | 23°34 | S 29 |
| M30 | 17 0 59 | 15°47'49 | 1♍25 | 10°10 | 4°23 | 2°21 | 23°58 | 20°53 | 27° 5 | 14° 7 | 29°47 | 7°40 | 6°21 | 0°36 | 23°36 | M30 |
| T 31 | 17 4 55 | 16♊45'05 | 14♍25 | 11♋ 0 | 5♊37 | 3♉ 4 | 24♋10 | 20♍54 | 27♊ 8 | 14♓ 8 | 29♈48 | 7°D39 | 6♏17 | 0♐42 | 23♍38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n16 | 12n59 | 5s17 | 19n44 | 0n55 | 9n48 | 1s26 | 3n16 | 1s 5 | 22n42 | 0n31 | 5n54 | 2n29 | 23n39 | 0n13 | 7s25 | 1s 5 | 3s54 | 16s 9 | 14s19 | 14s11 | 17s58 | 0s22 | 3s13 |
| M 2 | 17 32 | 9 17 | 5 8 | 20 25 | 1 5 | 10 15 | 1 25 | 3 35 | 1 5 | 22 41 | 0 31 | 5 55 | 2 29 | 23 39 | 0 13 | 7 25 | 1 5 | 3 53 | 16 9 | 14 19 | 14 10 | 17 59 | 0 20 | 3 13 |
| T 3 | 17 47 | 5 14 | 4 43 | 21 3 | 1 14 | 10 42 | 1 24 | 3 53 | 1 5 | 22 39 | 0 31 | 5 55 | 2 28 | 23 39 | 0 13 | 7 24 | 1 6 | 3 53 | 16 9 | 14 19 | 14 9 | 17 59 | 0 19 | 3 12 |
| W 4 | 18 3 | 1 3 | 4 5 | 21 39 | 1 22 | 11 8 | 1 22 | 4 10 | 1 4 | 22 38 | 0 31 | 5 55 | 2 28 | 23 39 | 0 13 | 7 24 | 1 6 | 3 53 | 16 9 | 14 19 | 14 8 | 18 0 | 0 18 | 3 11 |
| T 5 | 18 18 | 3s 5 | 3 16 | 22 12 | 1 30 | 11 34 | 1 21 | 4 28 | 1 4 | 22 37 | 0 31 | 5 55 | 2 28 | 23 40 | 0 13 | 7 24 | 1 6 | 3 52 | 16 9 | 14 19 | 14 7 | 18 1 | 0 17 | 3 11 |
| F 6 | 18 33 | 7 3 | 2 19 | 22 43 | 1 38 | 12 0 | 1 20 | 4 46 | 1 4 | 22 35 | 0 31 | 5 56 | 2 28 | 23 40 | 0 13 | 7 23 | 1 6 | 3 52 | 16 9 | 14 20 | 14 6 | 18 1 | 0 16 | 3 10 |
| S 7 | 18 47 | 10 40 | 1 17 | 23 11 | 1 44 | 12 26 | 1 18 | 5 4 | 1 3 | 22 34 | 0 31 | 5 56 | 2 28 | 23 40 | 0 13 | 7 23 | 1 6 | 3 52 | 16 9 | 14 20 | 14 5 | 18 2 | 0 16 | 3 9 |
| S 8 | 19 1 | 13 50 | 0 12 | 23 37 | 1 50 | 12 51 | 1 17 | 5 22 | 1 3 | 22 32 | 0 31 | 5 56 | 2 27 | 23 40 | 0 13 | 7 22 | 1 6 | 3 51 | 16 10 | 14 20 | 14 4 | 18 3 | 0 15 | 3 9 |
| M 9 | 19 15 | 16 25 | 0n54 | 24 0 | 1 56 | 13 16 | 1 15 | 5 39 | 1 3 | 22 31 | 0 31 | 5 56 | 2 27 | 23 40 | 0 13 | 7 22 | 1 6 | 3 51 | 16 10 | 14 20 | 14 3 | 18 3 | 0 14 | 3 8 |
| T 10 | 19 29 | 18 18 | 1 56 | 24 21 | 2 0 | 13 41 | 1 14 | 5 57 | 1 2 | 22 29 | 0 31 | 5 56 | 2 27 | 23 40 | 0 13 | 7 22 | 1 6 | 3 51 | 16 10 | 14 20 | 14 2 | 18 4 | 0 13 | 3 7 |
| W11 | 19 42 | 19 24 | 2 54 | 24 38 | 2 4 | 14 5 | 1 12 | 6 14 | 1 2 | 22 28 | 0 31 | 5 56 | 2 27 | 23 40 | 0 13 | 7 21 | 1 6 | 3 50 | 16 10 | 14 19 | 14 1 | 18 5 | 0 12 | 3 7 |
| T 12 | 19 55 | 19 38 | 3 44 | 24 54 | 2 7 | 14 29 | 1 10 | 6 32 | 1 2 | 22 26 | 0 31 | 5 56 | 2 27 | 23 40 | 0 13 | 7 21 | 1 6 | 3 50 | 16 10 | 14 18 | 14 0 | 18 5 | 0 12 | 3 6 |
| F 13 | 20 7 | 18 59 | 4 25 | 25 7 | 2 10 | 14 53 | 1 9 | 6 49 | 1 1 | 22 25 | 0 31 | 5 56 | 2 26 | 23 40 | 0 13 | 7 21 | 1 6 | 3 50 | 16 10 | 14 17 | 13 59 | 18 6 | 0 11 | 3 5 |
| S 14 | 20 19 | 17 29 | 4 55 | 25 17 | 2 11 | 15 17 | 1 7 | 7 6 | 1 1 | 22 23 | 0 31 | 5 56 | 2 26 | 23 40 | 0 13 | 7 21 | 1 6 | 3 50 | 16 10 | 14 16 | 13 57 | 18 6 | 0 10 | 3 5 |
| S 15 | 20 31 | 15 10 | 5 11 | 25 25 | 2 12 | 15 40 | 1 5 | 7 24 | 1 0 | 22 22 | 0 31 | 5 56 | 2 26 | 23 41 | 0 13 | 7 20 | 1 6 | 3 49 | 16 10 | 14 15 | 13 56 | 18 7 | 0 10 | 3 4 |
| M16 | 20 43 | 12 7 | 5 14 | 25 31 | 2 12 | 16 2 | 1 3 | 7 41 | 1 0 | 22 20 | 0 31 | 5 56 | 2 26 | 23 41 | 0 13 | 7 20 | 1 6 | 3 49 | 16 11 | 14 14 | 13 55 | 18 8 | 0 9 | 3 3 |
| T 17 | 20 54 | 8 28 | 5 1 | 25 35 | 2 11 | 16 24 | 1 1 | 7 58 | 1 0 | 22 18 | 0 31 | 5 55 | 2 26 | 23 41 | 0 13 | 7 20 | 1 6 | 3 49 | 16 11 | 14 14 | 13 54 | 18 8 | 0 9 | 3 3 |
| W18 | 21 5 | 4 19 | 4 32 | 25 37 | 2 10 | 16 46 | 0 59 | 8 15 | 0 59 | 22 17 | 0 31 | 5 55 | 2 25 | 23 41 | 0 13 | 7 20 | 1 6 | 3 49 | 16 11 | 14 14 | 13 53 | 18 9 | 0 8 | 3 2 |
| T 19 | 21 15 | 0n11 | 3 48 | 25 37 | 2 8 | 17 8 | 0 57 | 8 31 | 0 59 | 22 15 | 0 31 | 5 55 | 2 25 | 23 41 | 0 13 | 7 19 | 1 6 | 3 48 | 16 11 | 14 14 | 13 52 | 18 10 | 0 8 | 3 1 |
| F 20 | 21 25 | 4 48 | 2 49 | 25 35 | 2 4 | 17 29 | 0 55 | 8 48 | 0 58 | 22 13 | 0 31 | 5 55 | 2 25 | 23 41 | 0 13 | 7 19 | 1 6 | 3 48 | 16 11 | 14 15 | 13 51 | 18 10 | 0 8 | 3 1 |
| S 21 | 21 35 | 9 18 | 1 39 | 25 32 | 2 1 | 17 49 | 0 53 | 9 5 | 0 58 | 22 11 | 0 31 | 5 54 | 2 25 | 23 41 | 0 13 | 7 19 | 1 6 | 3 48 | 16 12 | 14 15 | 13 50 | 18 11 | 0 7 | 3 0 |
| S 22 | 21 44 | 13 22 | 0 20 | 25 27 | 1 56 | 18 9 | 0 51 | 9 21 | 0 57 | 22 10 | 0 31 | 5 54 | 2 24 | 23 41 | 0 13 | 7 19 | 1 6 | 3 48 | 16 12 | 14 15 | 13 49 | 18 12 | 0 7 | 2 59 |
| M23 | 21 53 | 16 40 | 1s 2 | 25 20 | 1 51 | 18 29 | 0 49 | 9 38 | 0 57 | 22 8 | 0 31 | 5 53 | 2 24 | 23 41 | 0 13 | 7 19 | 1 6 | 3 48 | 16 12 | 14 15 | 13 48 | 18 12 | 0 7 | 2 59 |
| T 24 | 22 2 | 18 50 | 2 20 | 25 12 | 1 44 | 18 48 | 0 47 | 9 54 | 0 56 | 22 6 | 0 31 | 5 53 | 2 24 | 23 41 | 0 13 | 7 18 | 1 6 | 3 47 | 16 12 | 14 15 | 13 47 | 18 13 | 0 7 | 2 58 |
| W25 | 22 10 | 19 40 | 3 29 | 25 3 | 1 38 | 19 7 | 0 45 | 10 10 | 0 56 | 22 4 | 0 31 | 5 52 | 2 24 | 23 42 | 0 13 | 7 18 | 1 7 | 3 47 | 16 12 | 14 13 | 13 46 | 18 13 | 0 7 | 2 57 |
| T 26 | 22 18 | 19 4 | 4 22 | 24 52 | 1 30 | 19 25 | 0 43 | 10 26 | 0 56 | 22 2 | 0 32 | 5 52 | 2 24 | 23 42 | 0 13 | 7 18 | 1 7 | 3 47 | 16 12 | 14 12 | 13 45 | 18 14 | 0 7 | 2 57 |
| F 27 | 22 26 | 17 11 | 4 56 | 24 40 | 1 22 | 19 43 | 0 40 | 10 42 | 0 55 | 22 0 | 0 32 | 5 51 | 2 23 | 23 42 | 0 13 | 7 18 | 1 7 | 3 47 | 16 13 | 14 10 | 13 44 | 18 15 | 0 7 | 2 56 |
| S 28 | 22 33 | 14 16 | 5 11 | 24 28 | 1 13 | 20 0 | 0 38 | 10 58 | 0 55 | 21 58 | 0 32 | 5 50 | 2 23 | 23 42 | 0 13 | 7 18 | 1 7 | 3 47 | 16 13 | 14 9 | 13 43 | 18 15 | 0 7 | 2 56 |
| S 29 | 22 39 | 10 37 | 5 7 | 24 14 | 1 3 | 20 16 | 0 36 | 11 14 | 0 54 | 21 56 | 0 32 | 5 50 | 2 23 | 23 42 | 0 13 | 7 18 | 1 7 | 3 47 | 16 13 | 14 8 | 13 42 | 18 16 | 0 7 | 2 55 |
| M30 | 22 46 | 6 33 | 4 46 | 24 0 | 0 53 | 20 32 | 0 34 | 11 29 | 0 54 | 21 54 | 0 32 | 5 49 | 2 23 | 23 42 | 0 13 | 7 18 | 1 7 | 3 46 | 16 13 | 14 7 | 13 41 | 18 16 | 0 7 | 2 54 |
| T 31 | 22n51 | 2n18 | 4s10 | 23n45 | 0n42 | 20n48 | 0s31 | 11n45 | 0s53 | 21n52 | 0n32 | 5n48 | 2n23 | 23n42 | 0n13 | 7s18 | 1s 7 | 3s46 | 16s14 | 14s 6 | 13s40 | 18s17 | 0s 7 | 2s54 |

Julian Day Number = 2218648.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'45, Lahiri = 14°57'45 Julian Calendar 1 May 1362 == Greg. Calendar 9 May 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## JUNE 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 8 52 | 17♊42'19 | 27♍ 2 | 11♋46 | 6♊50 | 3♉48 | 24♋22 | 20♍56 | 27♊12 | 14♓ 8 | 29♈49 | 7♏39 | 6♏14 | 0♐49 | 23♍40 | W 1 |
| T 2 | 17 12 48 | 18°39'32 | 9♎20 | 12°28 | 8° 4 | 4°32 | 24°34 | 20°57 | 27°15 | 14° 8 | 29°50 | 7°40 | 6°11 | 0°56 | 23°42 | T 2 |
| F 3 | 17 16 45 | 19°36'45 | 21°24 | 13° 6 | 9°17 | 5°15 | 24°46 | 20°59 | 27°19 | 14° 8 | 29°51 | 7°42 | 6° 8 | 1° 2 | 23°44 | F 3 |
| S 4 | 17 20 42 | 20°33'57 | 3♏18 | 13°40 | 10°30 | 5°59 | 24°58 | 21° 1 | 27°22 | 14° 8 | 29°52 | 7°R43 | 6° 5 | 1° 9 | 23°47 | S 4 |
| S 5 | 17 24 38 | 21°31'09 | 15° 7 | 14° 9 | 11°44 | 6°42 | 25°10 | 21° 3 | 27°26 | 14° 9 | 29°53 | 7°43 | 6° 1 | 1°16 | 23°49 | S 5 |
| M 6 | 17 28 35 | 22°28'20 | 26°55 | 14°35 | 12°57 | 7°26 | 25°22 | 21° 5 | 27°30 | 14° 9 | 29°54 | 7°41 | 5°58 | 1°22 | 23°52 | M 6 |
| T 7 | 17 32 31 | 23°25'31 | 8♐44 | 14°56 | 14°11 | 8° 9 | 25°34 | 21° 7 | 27°33 | 14° 9 | 29°55 | 7°37 | 5°55 | 1°29 | 23°54 | T 7 |
| W 8 | 17 36 28 | 24°22'41 | 20°37 | 15°13 | 15°24 | 8°52 | 25°46 | 21° 9 | 27°37 | 14° 9 | 29°55 | 7°31 | 5°52 | 1°36 | 23°57 | W 8 |
| T 9 | 17 40 24 | 25°19'51 | 2♑36 | 15°25 | 16°38 | 9°35 | 25°58 | 21°12 | 27°40 | 14°R 9 | 29°56 | 7°23 | 5°49 | 1°42 | 24° 0 | T 9 |
| F 10 | 17 44 21 | 26°17'01 | 14°43 | 15°32 | 17°51 | 10°18 | 26°10 | 21°14 | 27°44 | 14° 9 | 29°57 | 7°14 | 5°46 | 1°49 | 24° 3 | F 10 |
| S 11 | 17 48 18 | 27°14'11 | 26°58 | 15°R35 | 19° 5 | 11° 1 | 26°23 | 21°17 | 27°48 | 14° 9 | 29°58 | 7° 5 | 5°42 | 1°56 | 24° 6 | S 11 |
| S 12 | 17 52 14 | 28°11'21 | 9♒24 | 15°34 | 20°18 | 11°44 | 26°35 | 21°19 | 27°51 | 14° 9 | 29°59 | 6°57 | 5°39 | 2° 2 | 24° 9 | S 12 |
| M13 | 17 56 11 | 29° 8'31 | 22° 2 | 15°27 | 21°32 | 12°27 | 26°47 | 21°22 | 27°55 | 14° 9 | 29°59 | 6°50 | 5°36 | 2° 9 | 24°13 | M13 |
| T 14 | 18 0 7 | 0♋ 5'40 | 4♓53 | 15°17 | 22°45 | 13°10 | 27° 0 | 21°25 | 27°59 | 14° 8 | 0♉ 0 | 6°45 | 5°33 | 2°16 | 24°16 | T 14 |
| W15 | 18 4 4 | 1° 2'50 | 17°59 | 15° 1 | 23°59 | 13°53 | 27°12 | 21°28 | 28° 2 | 14° 8 | 0° 1 | 6°42 | 5°30 | 2°22 | 24°20 | W15 |
| T 16 | 18 8 0 | 2° 0'01 | 1♈23 | 14°42 | 25°13 | 14°36 | 27°25 | 21°31 | 28° 6 | 14° 8 | 0° 2 | 6°D41 | 5°26 | 2°29 | 24°23 | T 16 |
| F 17 | 18 11 57 | 2°57'11 | 15° 7 | 14°19 | 26°26 | 15°18 | 27°37 | 21°34 | 28° 9 | 14° 8 | 0° 3 | 6°42 | 5°23 | 2°36 | 24°27 | F 17 |
| S 18 | 18 15 53 | 3°54'22 | 29°12 | 13°52 | 27°40 | 16° 1 | 27°50 | 21°37 | 28°13 | 14° 7 | 0° 3 | 6°R43 | 5°20 | 2°42 | 24°31 | S 18 |
| S 19 | 18 19 50 | 4°51'34 | 13♉37 | 13°22 | 28°54 | 16°43 | 28° 3 | 21°40 | 28°17 | 14° 7 | 0° 4 | 6°43 | 5°17 | 2°49 | 24°35 | S 19 |
| M20 | 18 23 47 | 5°48'45 | 28°20 | 12°49 | 0♋ 7 | 17°26 | 28°15 | 21°44 | 28°20 | 14° 7 | 0° 5 | 6°41 | 5°14 | 2°56 | 24°39 | M20 |
| T 21 | 18 27 43 | 6°45'58 | 13♊16 | 12°14 | 1°21 | 18° 8 | 28°28 | 21°47 | 28°24 | 14° 6 | 0° 5 | 6°37 | 5°11 | 3° 2 | 24°43 | T 21 |
| W22 | 18 31 40 | 7°43'10 | 28°17 | 11°37 | 2°35 | 18°51 | 28°41 | 21°51 | 28°27 | 14° 6 | 0° 6 | 6°30 | 5° 7 | 3° 9 | 24°47 | W22 |
| T 23 | 18 35 36 | 8°40'23 | 13♋15 | 10°59 | 3°48 | 19°33 | 28°54 | 21°54 | 28°31 | 14° 6 | 0° 7 | 6°22 | 5° 4 | 3°16 | 24°51 | T 23 |
| F 24 | 18 39 33 | 9°37'36 | 28° 1 | 10°21 | 5° 2 | 20°15 | 29° 6 | 21°58 | 28°34 | 14° 5 | 0° 7 | 6°13 | 5° 1 | 3°22 | 24°56 | F 24 |
| S 25 | 18 43 29 | 10°34'49 | 12♌26 | 9°42 | 6°16 | 20°57 | 29°19 | 22° 2 | 28°38 | 14° 5 | 0° 8 | 6° 3 | 4°58 | 3°29 | 25° 0 | S 25 |
| S 26 | 18 47 26 | 11°32'02 | 26°25 | 9° 5 | 7°29 | 21°39 | 29°32 | 22° 6 | 28°42 | 14° 4 | 0° 8 | 5°55 | 4°55 | 3°36 | 25° 5 | S 26 |
| M27 | 18 51 22 | 12°29'15 | 9♍56 | 8°28 | 8°43 | 22°21 | 29°45 | 22°10 | 28°45 | 14° 4 | 0° 9 | 5°49 | 4°52 | 3°42 | 25° 9 | M27 |
| T 28 | 18 55 19 | 13°26'28 | 22°59 | 7°54 | 9°57 | 23° 3 | 29°58 | 22°14 | 28°49 | 14° 3 | 0° 9 | 5°45 | 4°48 | 3°49 | 25°14 | T 28 |
| W29 | 18 59 16 | 14°23'41 | 5♎38 | 7°23 | 11°11 | 23°44 | 0♌11 | 22°18 | 28°52 | 14° 2 | 0°10 | 5°43 | 4°45 | 3°56 | 25°19 | W29 |
| T 30 | 19 3 12 | 15♋20'55 | 17♎56 | 6♋55 | 12♋25 | 24♉26 | 0♌24 | 22♍22 | 28♊56 | 14♓ 2 | 0♉10 | 5°D43 | 4♏42 | 4♐ 2 | 25♍24 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n57 | 1s56 | 3s23 | 23n30 | 0n30 | 21n 3 | 0s29 | 12n 0 | 0s53 | 21n50 | 0n32 | 5n47 | 2n22 | 23n42 | 0n13 | 7s18 | 1s 7 | 3s46 | 16s14 | 14s 7 | 13s39 | 18s17 | 0s 7 | 2s53 |
| T 2 | 23 2 | 5 59 | 2 28 | 23 14 | 0 18 | 21 17 | 0 27 | 12 15 | 0 52 | 21 48 | 0 32 | 5 46 | 2 22 | 23 42 | 0 13 | 7 17 | 1 7 | 3 46 | 16 14 | 14 7 | 13 38 | 18 18 | 0 8 | 2 52 |
| F 3 | 23 7 | 9 44 | 1 28 | 22 57 | 0 5 | 21 31 | 0 24 | 12 31 | 0 51 | 21 46 | 0 32 | 5 45 | 2 22 | 23 42 | 0 13 | 7 17 | 1 7 | 3 46 | 16 14 | 14 7 | 13 37 | 18 19 | 0 8 | 2 52 |
| S 4 | 23 11 | 13 2 | 0 24 | 22 40 | 0s 9 | 21 44 | 0 22 | 12 45 | 0 51 | 21 44 | 0 32 | 5 45 | 2 22 | 23 42 | 0 13 | 7 17 | 1 7 | 3 46 | 16 14 | 14 8 | 13 35 | 18 19 | 0 8 | 2 51 |
| S 5 | 23 15 | 15 47 | 0n40 | 22 23 | 0 23 | 21 57 | 0 20 | 13 0 | 0 50 | 21 42 | 0 32 | 5 44 | 2 21 | 23 42 | 0 13 | 7 17 | 1 7 | 3 46 | 16 15 | 14 8 | 13 34 | 18 20 | 0 9 | 2 50 |
| M 6 | 23 18 | 17 53 | 1 42 | 22 6 | 0 37 | 22 9 | 0 17 | 13 15 | 0 50 | 21 40 | 0 32 | 5 43 | 2 21 | 23 43 | 0 13 | 7 17 | 1 7 | 3 46 | 16 15 | 14 7 | 13 33 | 18 20 | 0 9 | 2 50 |
| T 7 | 23 21 | 19 12 | 2 40 | 21 49 | 0 52 | 22 20 | 0 15 | 13 30 | 0 49 | 21 37 | 0 32 | 5 41 | 2 21 | 23 43 | 0 13 | 7 17 | 1 7 | 3 46 | 16 15 | 14 6 | 13 32 | 18 21 | 0 9 | 2 49 |
| W 8 | 23 24 | 19 41 | 3 31 | 21 32 | 1 7 | 22 31 | 0 12 | 13 44 | 0 49 | 21 35 | 0 32 | 5 40 | 2 21 | 23 43 | 0 13 | 7 17 | 1 7 | 3 46 | 16 15 | 14 4 | 13 31 | 18 21 | 0 10 | 2 48 |
| T 9 | 23 26 | 19 17 | 4 13 | 21 16 | 1 22 | 22 41 | 0 10 | 13 58 | 0 48 | 21 33 | 0 32 | 5 39 | 2 21 | 23 43 | 0 13 | 7 17 | 1 7 | 3 46 | 16 16 | 14 1 | 13 30 | 18 22 | 0 11 | 2 48 |
| F 10 | 23 28 | 18 0 | 4 44 | 20 59 | 1 38 | 22 50 | 0 8 | 14 12 | 0 48 | 21 31 | 0 32 | 5 38 | 2 20 | 23 43 | 0 13 | 7 18 | 1 7 | 3 46 | 16 16 | 13 58 | 13 29 | 18 23 | 0 11 | 2 47 |
| S 11 | 23 29 | 15 54 | 5 2 | 20 43 | 1 54 | 22 59 | 0 5 | 14 26 | 0 47 | 21 28 | 0 32 | 5 37 | 2 20 | 23 43 | 0 13 | 7 18 | 1 7 | 3 45 | 16 16 | 13 56 | 13 28 | 18 23 | 0 12 | 2 47 |
| S 12 | 23 30 | 13 2 | 5 6 | 20 27 | 2 10 | 23 7 | 0 3 | 14 40 | 0 46 | 21 26 | 0 32 | 5 36 | 2 20 | 23 43 | 0 13 | 7 18 | 1 7 | 3 45 | 16 16 | 13 53 | 13 27 | 18 24 | 0 13 | 2 46 |
| M13 | 23 31 | 9 32 | 4 56 | 20 12 | 2 26 | 23 15 | 0 0 | 14 54 | 0 46 | 21 24 | 0 32 | 5 34 | 2 20 | 23 43 | 0 13 | 7 18 | 1 7 | 3 45 | 16 17 | 13 50 | 13 26 | 18 24 | 0 13 | 2 45 |
| T 14 | 23 31 | 5 33 | 4 31 | 19 58 | 2 42 | 23 21 | 0n 2 | 15 8 | 0 45 | 21 21 | 0 32 | 5 33 | 2 20 | 23 43 | 0 13 | 7 18 | 1 7 | 3 45 | 16 17 | 13 49 | 13 25 | 18 25 | 0 14 | 2 45 |
| W15 | 23 31 | 1 13 | 3 51 | 19 44 | 2 57 | 23 27 | 0 5 | 15 21 | 0 45 | 21 19 | 0 32 | 5 32 | 2 19 | 23 43 | 0 13 | 7 18 | 1 7 | 3 45 | 16 17 | 13 48 | 13 24 | 18 25 | 0 15 | 2 44 |
| T 16 | 23 30 | 3n16 | 2 58 | 19 31 | 3 12 | 23 33 | 0 7 | 15 34 | 0 44 | 21 17 | 0 32 | 5 30 | 2 19 | 23 43 | 0 13 | 7 18 | 1 8 | 3 45 | 16 18 | 13 48 | 13 23 | 18 26 | 0 16 | 2 44 |
| F 17 | 23 29 | 7 43 | 1 53 | 19 19 | 3 27 | 23 38 | 0 9 | 15 47 | 0 43 | 21 14 | 0 32 | 5 29 | 2 19 | 23 43 | 0 13 | 7 18 | 1 8 | 3 45 | 16 18 | 13 48 | 13 22 | 18 26 | 0 17 | 2 43 |
| S 18 | 23 28 | 11 51 | 0 40 | 19 8 | 3 40 | 23 42 | 0 12 | 16 0 | 0 43 | 21 12 | 0 32 | 5 28 | 2 19 | 23 43 | 0 13 | 7 18 | 1 8 | 3 45 | 16 18 | 13 48 | 13 21 | 18 27 | 0 18 | 2 42 |
| S 19 | 23 26 | 15 23 | 0s37 | 18 59 | 3 53 | 23 45 | 0 14 | 16 13 | 0 42 | 21 9 | 0 33 | 5 26 | 2 19 | 23 43 | 0 13 | 7 19 | 1 8 | 3 46 | 16 18 | 13 48 | 13 20 | 18 27 | 0 19 | 2 42 |
| M20 | 23 23 | 18 1 | 1 53 | 18 50 | 4 5 | 23 48 | 0 16 | 16 26 | 0 41 | 21 7 | 0 33 | 5 25 | 2 18 | 23 43 | 0 13 | 7 19 | 1 8 | 3 46 | 16 19 | 13 47 | 13 19 | 18 28 | 0 20 | 2 41 |
| T 21 | 23 21 | 19 27 | 3 2 | 18 42 | 4 16 | 23 49 | 0 19 | 16 38 | 0 41 | 21 4 | 0 33 | 5 23 | 2 18 | 23 44 | 0 13 | 7 19 | 1 8 | 3 46 | 16 19 | 13 46 | 13 17 | 18 28 | 0 21 | 2 41 |
| W22 | 23 18 | 19 31 | 4 0 | 18 36 | 4 25 | 23 51 | 0 21 | 16 51 | 0 40 | 21 2 | 0 33 | 5 21 | 2 18 | 23 44 | 0 13 | 7 19 | 1 8 | 3 46 | 16 19 | 13 44 | 13 16 | 18 29 | 0 22 | 2 40 |
| T 23 | 23 14 | 18 13 | 4 40 | 18 31 | 4 33 | 23 51 | 0 23 | 17 3 | 0 39 | 20 59 | 0 33 | 5 20 | 2 18 | 23 44 | 0 13 | 7 19 | 1 8 | 3 46 | 16 20 | 13 41 | 13 15 | 18 29 | 0 23 | 2 39 |
| F 24 | 23 10 | 15 43 | 5 1 | 18 28 | 4 40 | 23 51 | 0 26 | 17 15 | 0 39 | 20 56 | 0 33 | 5 18 | 2 18 | 23 44 | 0 13 | 7 20 | 1 8 | 3 46 | 16 20 | 13 38 | 13 14 | 18 30 | 0 24 | 2 39 |
| S 25 | 23 6 | 12 18 | 5 2 | 18 26 | 4 45 | 23 50 | 0 28 | 17 26 | 0 38 | 20 54 | 0 33 | 5 16 | 2 17 | 23 44 | 0 13 | 7 20 | 1 8 | 3 46 | 16 20 | 13 35 | 13 13 | 18 30 | 0 26 | 2 38 |
| S 26 | 23 1 | 8 17 | 4 45 | 18 25 | 4 48 | 23 48 | 0 30 | 17 38 | 0 37 | 20 51 | 0 33 | 5 15 | 2 17 | 23 44 | 0 13 | 7 20 | 1 8 | 3 46 | 16 20 | 13 32 | 13 12 | 18 31 | 0 27 | 2 38 |
| M27 | 22 56 | 3 59 | 4 12 | 18 25 | 4 50 | 23 46 | 0 32 | 17 50 | 0 37 | 20 49 | 0 33 | 5 13 | 2 17 | 23 44 | 0 13 | 7 20 | 1 8 | 3 46 | 16 21 | 13 30 | 13 11 | 18 31 | 0 28 | 2 37 |
| T 28 | 22 50 | 0s23 | 3 27 | 18 27 | 4 50 | 23 43 | 0 34 | 18 1 | 0 36 | 20 46 | 0 33 | 5 11 | 2 17 | 23 44 | 0 13 | 7 21 | 1 8 | 3 46 | 16 21 | 13 29 | 13 10 | 18 32 | 0 30 | 2 36 |
| W29 | 22 44 | 4 35 | 2 33 | 18 31 | 4 49 | 23 39 | 0 37 | 18 12 | 0 35 | 20 43 | 0 33 | 5 9 | 2 17 | 23 44 | 0 13 | 7 21 | 1 8 | 3 46 | 16 21 | 13 28 | 13 9 | 18 32 | 0 31 | 2 36 |
| T 30 | 22n38 | 8s30 | 1s33 | 18n35 | 4s45 | 23n35 | 0n39 | 18n23 | 0s35 | 20n40 | 0n33 | 5n 8 | 2n17 | 23n44 | 0n13 | 7s21 | 1s 8 | 3s46 | 16s22 | 13s28 | 13s 8 | 18s33 | 0s32 | 2s35 |

Julian Day Number = 2218679.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'49, Lahiri = 14°57'49 Julian Calendar 1 June 1362 == Greg. Calendar 9 June 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## JULY 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 7 9 | 16♋18'09 | 29♎59 | 6°R31 | 13♋38 | 25♉ 8 | 0♌37 | 22♍26 | 28♊59 | 14°R 1 | 0♉11 | 5°R43 | 4♏39 | 4♐ 9 | 25♍29 | F 1 |
| S 2 | 19 11 5 | 17°15'23 | 11♏52 | 6♋11 | 14°52 | 25°49 | 0°50 | 22°31 | 29° 3 | 14♓ 0 | 0°11 | 5♏43 | 4°36 | 4°15 | 25°34 | S 2 |
| S 3 | 19 15 2 | 18°12'37 | 23°41 | 5°56 | 16° 6 | 26°30 | 1° 3 | 22°35 | 29° 6 | 14° 0 | 0°12 | 5°41 | 4°32 | 4°22 | 25°39 | S 3 |
| M 4 | 19 18 58 | 19° 9'51 | 5♐29 | 5°45 | 17°20 | 27°12 | 1°16 | 22°40 | 29° 9 | 13°59 | 0°12 | 5°38 | 4°29 | 4°29 | 25°45 | M 4 |
| T 5 | 19 22 55 | 20° 7'07 | 17°21 | 5°D41 | 18°34 | 27°53 | 1°29 | 22°44 | 29°13 | 13°58 | 0°13 | 5°32 | 4°26 | 4°35 | 25°50 | T 5 |
| W 6 | 19 26 51 | 21° 4'22 | 29°20 | 5°41 | 19°48 | 28°34 | 1°42 | 22°49 | 29°16 | 13°57 | 0°13 | 5°23 | 4°23 | 4°42 | 25°56 | W 6 |
| T 7 | 19 30 48 | 22° 1'38 | 11♑29 | 5°48 | 21° 2 | 29°15 | 1°55 | 22°53 | 29°20 | 13°56 | 0°13 | 5°12 | 4°20 | 4°49 | 26° 1 | T 7 |
| F 8 | 19 34 45 | 22°58'55 | 23°48 | 6° 1 | 22°15 | 29°56 | 2° 8 | 22°58 | 29°23 | 13°56 | 0°14 | 4°59 | 4°17 | 4°55 | 26° 7 | F 8 |
| S 9 | 19 38 41 | 23°56'12 | 6♒19 | 6°19 | 23°29 | 0♊37 | 2°21 | 23° 3 | 29°26 | 13°55 | 0°14 | 4°47 | 4°13 | 5° 2 | 26°12 | S 9 |
| S 10 | 19 42 38 | 24°53'31 | 19° 1 | 6°43 | 24°43 | 1°18 | 2°35 | 23° 8 | 29°30 | 13°54 | 0°14 | 4°35 | 4°10 | 5° 9 | 26°18 | S 10 |
| M11 | 19 46 34 | 25°50'50 | 1♓54 | 7°14 | 25°57 | 1°59 | 2°48 | 23°13 | 29°33 | 13°53 | 0°14 | 4°24 | 4° 7 | 5°15 | 26°24 | M11 |
| T 12 | 19 50 31 | 26°48'10 | 15° 0 | 7°51 | 27°11 | 2°39 | 3° 1 | 23°18 | 29°36 | 13°52 | 0°15 | 4°17 | 4° 4 | 5°22 | 26°30 | T 12 |
| W13 | 19 54 27 | 27°45'31 | 28°17 | 8°33 | 28°25 | 3°20 | 3°14 | 23°23 | 29°40 | 13°51 | 0°15 | 4°12 | 4° 1 | 5°29 | 26°36 | W13 |
| T 14 | 19 58 24 | 28°42'53 | 11♈46 | 9°22 | 29°39 | 4° 1 | 3°27 | 23°28 | 29°43 | 13°50 | 0°15 | 4° 9 | 3°58 | 5°35 | 26°42 | T 14 |
| F 15 | 20 2 20 | 29°40'16 | 25°29 | 10°16 | 0♌53 | 4°41 | 3°40 | 23°34 | 29°46 | 13°49 | 0°15 | 4° 9 | 3°54 | 5°42 | 26°48 | F 15 |
| S 16 | 20 6 17 | 0♌37'40 | 9♉27 | 11°16 | 2° 7 | 5°21 | 3°54 | 23°39 | 29°50 | 13°48 | 0°15 | 4° 9 | 3°51 | 5°49 | 26°54 | S 16 |
| S 17 | 20 10 14 | 1°35'06 | 23°38 | 12°22 | 3°21 | 6° 2 | 4° 7 | 23°44 | 29°53 | 13°47 | 0°15 | 4° 8 | 3°48 | 5°55 | 27° 1 | S 17 |
| M18 | 20 14 10 | 2°32'34 | 8♊ 3 | 13°34 | 4°35 | 6°42 | 4°20 | 23°50 | 29°56 | 13°45 | 0°16 | 4° 5 | 3°45 | 6° 2 | 27° 7 | M18 |
| T 19 | 20 18 7 | 3°30'02 | 22°38 | 14°50 | 5°49 | 7°22 | 4°33 | 23°55 | 29°59 | 13°44 | 0°16 | 4° 0 | 3°42 | 6° 9 | 27°14 | T 19 |
| W20 | 20 22 3 | 4°27'32 | 7♋19 | 16°12 | 7° 4 | 8° 2 | 4°46 | 24° 1 | 0♋ 2 | 13°43 | 0°16 | 3°52 | 3°38 | 6°15 | 27°20 | W20 |
| T 21 | 20 26 0 | 5°25'03 | 21°58 | 17°39 | 8°18 | 8°42 | 5° 0 | 24° 7 | 0° 5 | 13°42 | 0°16 | 3°42 | 3°35 | 6°22 | 27°27 | T 21 |
| F 22 | 20 29 56 | 6°22'35 | 6♌28 | 19°11 | 9°32 | 9°22 | 5°13 | 24°12 | 0° 8 | 13°41 | 0°16 | 3°31 | 3°32 | 6°29 | 27°33 | F 22 |
| S 23 | 20 33 53 | 7°20'08 | 20°42 | 20°47 | 10°46 | 10° 1 | 5°26 | 24°18 | 0°11 | 13°39 | 0°R16 | 3°19 | 3°29 | 6°36 | 27°40 | S 23 |
| S 24 | 20 37 49 | 8°17'42 | 4♍35 | 22°27 | 12° 0 | 10°41 | 5°39 | 24°24 | 0°14 | 13°38 | 0°16 | 3° 9 | 3°26 | 6°42 | 27°47 | S 24 |
| M25 | 20 41 46 | 9°15'17 | 18° 2 | 24°11 | 13°14 | 11°20 | 5°52 | 24°30 | 0°17 | 13°37 | 0°16 | 3° 1 | 3°23 | 6°49 | 27°54 | M25 |
| T 26 | 20 45 43 | 10°12'54 | 1♎ 5 | 25°58 | 14°28 | 12° 0 | 6° 6 | 24°36 | 0°20 | 13°36 | 0°16 | 2°55 | 3°19 | 6°56 | 28° 1 | T 26 |
| W27 | 20 49 39 | 11°10'31 | 13°44 | 27°48 | 15°43 | 12°39 | 6°19 | 24°42 | 0°23 | 13°34 | 0°16 | 2°52 | 3°16 | 7° 2 | 28° 8 | W27 |
| T 28 | 20 53 36 | 12° 8'09 | 26° 4 | 29°41 | 16°57 | 13°18 | 6°32 | 24°48 | 0°26 | 13°33 | 0°16 | 2°51 | 3°13 | 7° 9 | 28°15 | T 28 |
| F 29 | 20 57 32 | 13° 5'48 | 8♏ 8 | 1♌36 | 18°11 | 13°57 | 6°45 | 24°54 | 0°29 | 13°32 | 0°15 | 2°51 | 3°10 | 7°16 | 28°22 | F 29 |
| S 30 | 21 1 29 | 14° 3'29 | 20° 2 | 3°33 | 19°25 | 14°36 | 6°58 | 25° 0 | 0°32 | 13°30 | 0°15 | 2°51 | 3° 7 | 7°22 | 28°29 | S 30 |
| S 31 | 21 5 25 | 15♌ 1'10 | 1♐51 | 5♌32 | 20♌39 | 15♊15 | 7♌11 | 25♍ 6 | 0♋35 | 13♓29 | 0♉15 | 2♏50 | 3♏ 4 | 7♐29 | 28♍36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n31 | 11s59 | 0s31 | 18n41 | 4s41 | 23n30 | 0n41 | 18n34 | 0s34 | 20n38 | 0n33 | 5n 6 | 2n16 | 23n44 | 0n13 | 7s21 | 1s 8 | 3s47 | 16s22 | 13s28 | 13s 7 | 18s33 | 0s34 | 2s35 |
| S 2 | 22 24 | 14 56 | 0n33 | 18 48 | 4 35 | 23 24 | 0 43 | 18 44 | 0 33 | 20 35 | 0 33 | 5 4 | 2 16 | 23 44 | 0 13 | 7 22 | 1 8 | 3 47 | 16 22 | 13 28 | 13 6 | 18 34 | 0 35 | 2 34 |
| S 3 | 22 17 | 17 14 | 1 34 | 18 56 | 4 27 | 23 17 | 0 45 | 18 55 | 0 32 | 20 32 | 0 33 | 5 2 | 2 16 | 23 44 | 0 13 | 7 22 | 1 8 | 3 47 | 16 23 | 13 28 | 13 5 | 18 34 | 0 37 | 2 34 |
| M 4 | 22 9 | 18 49 | 2 31 | 19 6 | 4 18 | 23 10 | 0 47 | 19 5 | 0 32 | 20 29 | 0 33 | 5 0 | 2 16 | 23 44 | 0 13 | 7 22 | 1 8 | 3 47 | 16 23 | 13 27 | 13 4 | 18 34 | 0 39 | 2 33 |
| T 5 | 22 0 | 19 34 | 3 22 | 19 16 | 4 8 | 23 2 | 0 49 | 19 15 | 0 31 | 20 26 | 0 33 | 4 58 | 2 16 | 23 44 | 0 13 | 7 23 | 1 8 | 3 47 | 16 23 | 13 25 | 13 3 | 18 35 | 0 40 | 2 32 |
| W 6 | 21 52 | 19 27 | 4 4 | 19 27 | 3 57 | 22 53 | 0 51 | 19 25 | 0 30 | 20 24 | 0 34 | 4 56 | 2 16 | 23 44 | 0 13 | 7 23 | 1 8 | 3 47 | 16 24 | 13 22 | 13 1 | 18 35 | 0 42 | 2 32 |
| T 7 | 21 43 | 18 26 | 4 36 | 19 38 | 3 46 | 22 44 | 0 53 | 19 35 | 0 29 | 20 21 | 0 34 | 4 54 | 2 15 | 23 44 | 0 13 | 7 23 | 1 8 | 3 48 | 16 24 | 13 18 | 13 0 | 18 36 | 0 44 | 2 31 |
| F 8 | 21 33 | 16 34 | 4 55 | 19 50 | 3 33 | 22 34 | 0 54 | 19 44 | 0 29 | 20 18 | 0 34 | 4 52 | 2 15 | 23 44 | 0 13 | 7 24 | 1 8 | 3 48 | 16 24 | 13 14 | 12 59 | 18 36 | 0 45 | 2 31 |
| S 9 | 21 24 | 13 54 | 5 1 | 20 3 | 3 19 | 22 24 | 0 56 | 19 54 | 0 28 | 20 15 | 0 34 | 4 50 | 2 15 | 23 44 | 0 13 | 7 24 | 1 9 | 3 48 | 16 24 | 13 9 | 12 58 | 18 37 | 0 47 | 2 30 |
| S 10 | 21 13 | 10 33 | 4 51 | 20 16 | 3 6 | 22 12 | 0 58 | 20 3 | 0 27 | 20 12 | 0 34 | 4 48 | 2 15 | 23 44 | 0 13 | 7 25 | 1 9 | 3 48 | 16 25 | 13 5 | 12 57 | 18 37 | 0 49 | 2 30 |
| M11 | 21 3 | 6 40 | 4 27 | 20 28 | 2 51 | 22 0 | 1 0 | 20 12 | 0 26 | 20 9 | 0 34 | 4 46 | 2 15 | 23 44 | 0 13 | 7 25 | 1 9 | 3 48 | 16 25 | 13 2 | 12 56 | 18 38 | 0 51 | 2 29 |
| T 12 | 20 52 | 2 25 | 3 49 | 20 41 | 2 36 | 21 48 | 1 1 | 20 21 | 0 26 | 20 6 | 0 34 | 4 44 | 2 15 | 23 44 | 0 13 | 7 25 | 1 9 | 3 49 | 16 25 | 12 59 | 12 55 | 18 38 | 0 53 | 2 29 |
| W13 | 20 41 | 2n 2 | 2 58 | 20 54 | 2 21 | 21 35 | 1 3 | 20 29 | 0 25 | 20 3 | 0 34 | 4 41 | 2 14 | 23 44 | 0 13 | 7 26 | 1 9 | 3 49 | 16 26 | 12 58 | 12 54 | 18 38 | 0 55 | 2 28 |
| T 14 | 20 29 | 6 26 | 1 55 | 21 6 | 2 6 | 21 21 | 1 5 | 20 38 | 0 24 | 20 0 | 0 34 | 4 39 | 2 14 | 23 44 | 0 13 | 7 26 | 1 9 | 3 49 | 16 26 | 12 57 | 12 53 | 18 39 | 0 57 | 2 28 |
| F 15 | 20 17 | 10 36 | 0 46 | 21 17 | 1 51 | 21 6 | 1 6 | 20 46 | 0 23 | 19 57 | 0 34 | 4 37 | 2 14 | 23 44 | 0 13 | 7 27 | 1 9 | 3 49 | 16 26 | 12 57 | 12 52 | 18 39 | 0 59 | 2 27 |
| S 16 | 20 5 | 14 15 | 0s28 | 21 27 | 1 35 | 20 51 | 1 8 | 20 54 | 0 22 | 19 54 | 0 34 | 4 35 | 2 14 | 23 44 | 0 13 | 7 27 | 1 9 | 3 50 | 16 27 | 12 57 | 12 51 | 18 40 | 1 1 | 2 27 |
| S 17 | 19 52 | 17 7 | 1 41 | 21 37 | 1 20 | 20 35 | 1 9 | 21 2 | 0 22 | 19 51 | 0 34 | 4 32 | 2 14 | 23 44 | 0 13 | 7 28 | 1 9 | 3 50 | 16 27 | 12 56 | 12 50 | 18 40 | 1 3 | 2 26 |
| M18 | 19 39 | 18 57 | 2 49 | 21 45 | 1 5 | 20 19 | 1 10 | 21 9 | 0 21 | 19 48 | 0 34 | 4 30 | 2 14 | 23 44 | 0 13 | 7 28 | 1 9 | 3 50 | 16 27 | 12 55 | 12 49 | 18 40 | 1 5 | 2 26 |
| T 19 | 19 26 | 19 33 | 3 47 | 21 52 | 0 50 | 20 2 | 1 12 | 21 17 | 0 20 | 19 45 | 0 35 | 4 28 | 2 14 | 23 44 | 0 13 | 7 29 | 1 9 | 3 50 | 16 28 | 12 54 | 12 47 | 18 41 | 1 7 | 2 25 |
| W20 | 19 13 | 18 50 | 4 29 | 21 56 | 0 36 | 19 45 | 1 13 | 21 24 | 0 19 | 19 42 | 0 35 | 4 26 | 2 13 | 23 44 | 0 13 | 7 29 | 1 9 | 3 51 | 16 28 | 12 51 | 12 46 | 18 41 | 1 9 | 2 25 |
| T 21 | 18 59 | 16 53 | 4 54 | 22 0 | 0 22 | 19 27 | 1 14 | 21 31 | 0 18 | 19 39 | 0 35 | 4 23 | 2 13 | 23 45 | 0 13 | 7 30 | 1 9 | 3 51 | 16 28 | 12 48 | 12 45 | 18 42 | 1 11 | 2 24 |
| F 22 | 18 44 | 13 52 | 5 0 | 22 1 | 0 8 | 19 8 | 1 15 | 21 38 | 0 18 | 19 35 | 0 35 | 4 21 | 2 13 | 23 45 | 0 13 | 7 30 | 1 9 | 3 51 | 16 29 | 12 44 | 12 44 | 18 42 | 1 13 | 2 24 |
| S 23 | 18 30 | 10 6 | 4 47 | 21 59 | 0n 5 | 18 49 | 1 16 | 21 45 | 0 17 | 19 32 | 0 35 | 4 18 | 2 13 | 23 45 | 0 13 | 7 31 | 1 9 | 3 52 | 16 29 | 12 40 | 12 43 | 18 42 | 1 16 | 2 23 |
| S 24 | 18 15 | 5 52 | 4 17 | 21 56 | 0 17 | 18 29 | 1 17 | 21 52 | 0 16 | 19 29 | 0 35 | 4 16 | 2 13 | 23 45 | 0 13 | 7 31 | 1 9 | 3 52 | 16 29 | 12 36 | 12 42 | 18 43 | 1 18 | 2 23 |
| M25 | 18 0 | 1 28 | 3 34 | 21 50 | 0 29 | 18 9 | 1 18 | 21 58 | 0 15 | 19 26 | 0 35 | 4 13 | 2 13 | 23 45 | 0 13 | 7 32 | 1 9 | 3 52 | 16 30 | 12 33 | 12 41 | 18 43 | 1 20 | 2 22 |
| T 26 | 17 45 | 2s52 | 2 40 | 21 41 | 0 40 | 17 49 | 1 19 | 22 4 | 0 14 | 19 23 | 0 35 | 4 11 | 2 13 | 23 45 | 0 13 | 7 32 | 1 9 | 3 52 | 16 30 | 12 32 | 12 40 | 18 44 | 1 22 | 2 22 |
| W27 | 17 29 | 6 58 | 1 39 | 21 29 | 0 50 | 17 27 | 1 20 | 22 10 | 0 13 | 19 20 | 0 35 | 4 9 | 2 13 | 23 45 | 0 13 | 7 33 | 1 9 | 3 53 | 16 30 | 12 30 | 12 39 | 18 44 | 1 25 | 2 21 |
| T 28 | 17 13 | 10 39 | 0 36 | 21 15 | 0 59 | 17 6 | 1 21 | 22 16 | 0 12 | 19 16 | 0 35 | 4 6 | 2 12 | 23 45 | 0 13 | 7 33 | 1 9 | 3 53 | 16 31 | 12 30 | 12 38 | 18 44 | 1 27 | 2 21 |
| F 29 | 16 57 | 13 49 | 0n28 | 20 58 | 1 8 | 16 44 | 1 22 | 22 22 | 0 12 | 19 13 | 0 35 | 4 4 | 2 12 | 23 45 | 0 13 | 7 34 | 1 9 | 3 53 | 16 31 | 12 30 | 12 37 | 18 45 | 1 30 | 2 20 |
| S 30 | 16 40 | 16 22 | 1 30 | 20 39 | 1 16 | 16 21 | 1 22 | 22 27 | 0 11 | 19 10 | 0 35 | 4 1 | 2 12 | 23 45 | 0 13 | 7 34 | 1 9 | 3 54 | 16 31 | 12 30 | 12 35 | 18 45 | 1 32 | 2 20 |
| S 31 | 16n23 | 18s12 | 2n28 | 20n17 | 1n22 | 15n58 | 1n23 | 22n32 | 0s10 | 19n 7 | 0n36 | 3n58 | 2n12 | 23n45 | 0n13 | 7s35 | 1s 9 | 3s54 | 16s32 | 12s30 | 12s34 | 18s45 | 1s34 | 2s19 |

Julian Day Number = 2218709.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'53, Lahiri = 14°57'53 Julian Calendar 1 July 1362 == Greg. Calendar 9 July 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## AUGUST 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 9 22 | 15♌58'53 | 13♐41 | 7♌31 | 21♌54 | 15♊54 | 7♌24 | 25♍12 | 0♋38 | 13°R27 | 0°R15 | 2°R46 | 3♏ 0 | 7♐36 | 28♍44 | M 1 |
| T 2 | 21 13 18 | 16°56'37 | 25°37 | 9°32 | 23° 8 | 16°33 | 7°38 | 25°18 | 0°40 | 13♓26 | 0♉15 | 2♏41 | 2°57 | 7°42 | 28°51 | T 2 |
| W 3 | 21 17 15 | 17°54'22 | 7♑42 | 11°32 | 24°22 | 17°11 | 7°51 | 25°25 | 0°43 | 13°24 | 0°15 | 2°33 | 2°54 | 7°49 | 28°58 | W 3 |
| T 4 | 21 21 12 | 18°52'08 | 20° 0 | 13°33 | 25°36 | 17°50 | 8° 4 | 25°31 | 0°46 | 13°23 | 0°14 | 2°23 | 2°51 | 7°56 | 29° 6 | T 4 |
| F 5 | 21 25 8 | 19°49'55 | 2♒31 | 15°34 | 26°51 | 18°28 | 8°17 | 25°38 | 0°49 | 13°22 | 0°14 | 2°11 | 2°48 | 8° 2 | 29°13 | F 5 |
| S 6 | 21 29 5 | 20°47'44 | 15°18 | 17°34 | 28° 5 | 19° 7 | 8°30 | 25°44 | 0°51 | 13°20 | 0°14 | 1°59 | 2°44 | 8° 9 | 29°21 | S 6 |
| S 7 | 21 33 1 | 21°45'35 | 28°19 | 19°34 | 29°19 | 19°45 | 8°43 | 25°51 | 0°54 | 13°19 | 0°13 | 1°47 | 2°41 | 8°16 | 29°28 | S 7 |
| M 8 | 21 36 58 | 22°43'27 | 11♓34 | 21°34 | 0♍33 | 20°23 | 8°56 | 25°57 | 0°56 | 13°17 | 0°13 | 1°38 | 2°38 | 8°22 | 29°36 | M 8 |
| T 9 | 21 40 54 | 23°41'20 | 25° 1 | 23°32 | 1°48 | 21° 1 | 9° 9 | 26° 4 | 0°59 | 13°16 | 0°13 | 1°31 | 2°35 | 8°29 | 29°44 | T 9 |
| W10 | 21 44 51 | 24°39'15 | 8♈38 | 25°29 | 3° 2 | 21°39 | 9°22 | 26°10 | 1° 1 | 13°14 | 0°12 | 1°26 | 2°32 | 8°36 | 29°51 | W10 |
| T 11 | 21 48 47 | 25°37'12 | 22°24 | 27°26 | 4°16 | 22°16 | 9°35 | 26°17 | 1° 4 | 13°12 | 0°12 | 1°24 | 2°29 | 8°42 | 29°59 | T 11 |
| F 12 | 21 52 44 | 26°35'11 | 6♉17 | 29°21 | 5°31 | 22°54 | 9°48 | 26°24 | 1° 6 | 13°11 | 0°12 | 1°D24 | 2°25 | 8°49 | 0♎ 7 | F 12 |
| S 13 | 21 56 40 | 27°33'12 | 20°17 | 1♍15 | 6°45 | 23°32 | 10° 1 | 26°30 | 1° 8 | 13° 9 | 0°11 | 1°24 | 2°22 | 8°56 | 0°15 | S 13 |
| S 14 | 22 0 37 | 28°31'15 | 4♊24 | 3° 9 | 7°59 | 24° 9 | 10°13 | 26°37 | 1°11 | 13° 8 | 0°11 | 1°R24 | 2°19 | 9° 2 | 0°23 | S 14 |
| M15 | 22 4 34 | 29°29'20 | 18°36 | 5° 0 | 9°14 | 24°46 | 10°26 | 26°44 | 1°13 | 13° 6 | 0°10 | 1°23 | 2°16 | 9° 9 | 0°31 | M15 |
| T 16 | 22 8 30 | 0♍27'27 | 2♋52 | 6°51 | 10°28 | 25°24 | 10°39 | 26°51 | 1°15 | 13° 4 | 0°10 | 1°19 | 2°13 | 9°16 | 0°39 | T 16 |
| W17 | 22 12 27 | 1°25'36 | 17° 8 | 8°41 | 11°42 | 26° 1 | 10°52 | 26°58 | 1°18 | 13° 3 | 0° 9 | 1°13 | 2°10 | 9°22 | 0°47 | W17 |
| T 18 | 22 16 23 | 2°23'47 | 1♌21 | 10°29 | 12°57 | 26°38 | 11° 5 | 27° 4 | 1°20 | 13° 1 | 0° 9 | 1° 5 | 2° 6 | 9°29 | 0°55 | T 18 |
| F 19 | 22 20 20 | 3°22'00 | 15°26 | 12°16 | 14°11 | 27°15 | 11°17 | 27°11 | 1°22 | 13° 0 | 0° 8 | 0°56 | 2° 3 | 9°36 | 1° 3 | F 19 |
| S 20 | 22 24 16 | 4°20'14 | 29°18 | 14° 2 | 15°26 | 27°51 | 11°30 | 27°18 | 1°24 | 12°58 | 0° 8 | 0°46 | 2° 0 | 9°42 | 1°11 | S 20 |
| S 21 | 22 28 13 | 5°18'31 | 12♍54 | 15°46 | 16°40 | 28°28 | 11°42 | 27°25 | 1°26 | 12°56 | 0° 7 | 0°38 | 1°57 | 9°49 | 1°19 | S 21 |
| M22 | 22 32 9 | 6°16'49 | 26° 9 | 17°30 | 17°54 | 29° 4 | 11°55 | 27°32 | 1°28 | 12°55 | 0° 7 | 0°31 | 1°54 | 9°56 | 1°28 | M22 |
| T 23 | 22 36 6 | 7°15'09 | 9♎ 4 | 19°12 | 19° 9 | 29°41 | 12° 8 | 27°39 | 1°30 | 12°53 | 0° 6 | 0°27 | 1°50 | 10° 2 | 1°36 | T 23 |
| W24 | 22 40 3 | 8°13'30 | 21°39 | 20°53 | 20°23 | 0♋17 | 12°20 | 27°47 | 1°32 | 12°51 | 0° 5 | 0°24 | 1°47 | 10° 9 | 1°44 | W24 |
| T 25 | 22 43 59 | 9°11'53 | 3♏57 | 22°33 | 21°38 | 0°53 | 12°33 | 27°54 | 1°34 | 12°50 | 0° 5 | 0°D24 | 1°44 | 10°16 | 1°52 | T 25 |
| F 26 | 22 47 56 | 10°10'18 | 16° 1 | 24°12 | 22°52 | 1°29 | 12°45 | 28° 1 | 1°35 | 12°48 | 0° 4 | 0°25 | 1°41 | 10°22 | 2° 1 | F 26 |
| S 27 | 22 51 52 | 11° 8'45 | 27°55 | 25°50 | 24° 6 | 2° 5 | 12°57 | 28° 8 | 1°37 | 12°46 | 0° 3 | 0°26 | 1°38 | 10°29 | 2° 9 | S 27 |
| S 28 | 22 55 49 | 12° 7'13 | 9♐46 | 27°27 | 25°21 | 2°40 | 13°10 | 28°15 | 1°39 | 12°45 | 0° 3 | 0°R27 | 1°35 | 10°36 | 2°18 | S 28 |
| M29 | 22 59 45 | 13° 5'43 | 21°37 | 29° 3 | 26°35 | 3°16 | 13°22 | 28°22 | 1°41 | 12°43 | 0° 2 | 0°26 | 1°31 | 10°42 | 2°26 | M29 |
| T 30 | 23 3 42 | 14° 4'15 | 3♑34 | 0♎37 | 27°50 | 3°51 | 13°34 | 28°29 | 1°42 | 12°41 | 0° 1 | 0°24 | 1°28 | 10°49 | 2°34 | T 30 |
| W31 | 23 7 38 | 15♍ 2'48 | 15♑42 | 2♎11 | 29♍ 4 | 4♋26 | 13♌46 | 28♍37 | 1♋44 | 12♓40 | 0♉ 1 | 0♏20 | 1♏25 | 10♐56 | 2♎43 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n 6 | 19s14 | 3n19 | 19n52 | 1n28 | 15n34 | 1n24 | 22n37 | 0s 9 | 19n 3 | 0n36 | 3n56 | 2n12 | 23n45 | 0n14 | 7s35 | 1s 9 | 3s54 | 16s32 | 12s29 | 12s33 | 18s46 | 1s37 | 2s19 |
| T 2 | 15 49 | 19 25 | 4 2 | 19 26 | 1 33 | 15 11 | 1 24 | 22 42 | 0 8 | 19 0 | 0 36 | 3 53 | 2 12 | 23 45 | 0 14 | 7 36 | 1 9 | 3 55 | 16 32 | 12 27 | 12 32 | 18 46 | 1 39 | 2 19 |
| W 3 | 15 31 | 18 44 | 4 34 | 18 56 | 1 37 | 14 46 | 1 25 | 22 47 | 0 7 | 18 57 | 0 36 | 3 51 | 2 12 | 23 45 | 0 14 | 7 37 | 1 9 | 3 55 | 16 32 | 12 24 | 12 31 | 18 46 | 1 42 | 2 18 |
| T 4 | 15 13 | 17 10 | 4 55 | 18 25 | 1 41 | 14 22 | 1 25 | 22 52 | 0 6 | 18 53 | 0 36 | 3 48 | 2 12 | 23 45 | 0 14 | 7 37 | 1 9 | 3 56 | 16 33 | 12 20 | 12 30 | 18 47 | 1 45 | 2 18 |
| F 5 | 14 55 | 14 46 | 5 2 | 17 52 | 1 43 | 13 56 | 1 25 | 22 56 | 0 5 | 18 50 | 0 36 | 3 45 | 2 12 | 23 45 | 0 14 | 7 38 | 1 9 | 3 56 | 16 33 | 12 16 | 12 29 | 18 47 | 1 47 | 2 17 |
| S 6 | 14 37 | 11 37 | 4 54 | 17 17 | 1 45 | 13 31 | 1 25 | 23 0 | 0 4 | 18 47 | 0 36 | 3 43 | 2 12 | 23 45 | 0 14 | 7 38 | 1 9 | 3 56 | 16 33 | 12 12 | 12 28 | 18 47 | 1 50 | 2 17 |
| S 7 | 14 18 | 7 52 | 4 31 | 16 41 | 1 46 | 13 5 | 1 26 | 23 4 | 0 3 | 18 43 | 0 36 | 3 40 | 2 11 | 23 45 | 0 14 | 7 39 | 1 9 | 3 57 | 16 34 | 12 8 | 12 27 | 18 48 | 1 52 | 2 16 |
| M 8 | 13 59 | 3 40 | 3 52 | 16 3 | 1 46 | 12 39 | 1 26 | 23 8 | 0 2 | 18 40 | 0 36 | 3 37 | 2 11 | 23 45 | 0 14 | 7 40 | 1 9 | 3 57 | 16 34 | 12 5 | 12 26 | 18 48 | 1 55 | 2 16 |
| T 9 | 13 40 | 0n47 | 3 1 | 15 23 | 1 46 | 12 12 | 1 26 | 23 11 | 0 1 | 18 37 | 0 36 | 3 35 | 2 11 | 23 45 | 0 14 | 7 40 | 1 10 | 3 58 | 16 34 | 12 2 | 12 25 | 18 48 | 1 58 | 2 15 |
| W10 | 13 21 | 5 15 | 1 58 | 14 43 | 1 45 | 11 45 | 1 26 | 23 15 | 0 0 | 18 33 | 0 37 | 3 32 | 2 11 | 23 45 | 0 14 | 7 41 | 1 10 | 3 58 | 16 35 | 12 1 | 12 23 | 18 49 | 2 0 | 2 15 |
| T 11 | 13 1 | 9 29 | 0 48 | 14 1 | 1 43 | 11 18 | 1 26 | 23 18 | 0n 1 | 18 30 | 0 37 | 3 29 | 2 11 | 23 45 | 0 14 | 7 41 | 1 10 | 3 58 | 16 35 | 12 0 | 12 22 | 18 49 | 2 3 | 2 15 |
| F 12 | 12 42 | 13 15 | 0s26 | 13 19 | 1 41 | 10 51 | 1 25 | 23 21 | 0 1 | 18 27 | 0 37 | 3 26 | 2 11 | 23 45 | 0 14 | 7 42 | 1 10 | 3 59 | 16 35 | 12 0 | 12 21 | 18 49 | 2 6 | 2 14 |
| S 13 | 12 22 | 16 17 | 1 39 | 12 36 | 1 39 | 10 23 | 1 25 | 23 24 | 0 2 | 18 23 | 0 37 | 3 24 | 2 11 | 23 45 | 0 14 | 7 43 | 1 10 | 3 59 | 16 35 | 12 0 | 12 20 | 18 50 | 2 9 | 2 14 |
| S 14 | 12 2 | 18 22 | 2 47 | 11 52 | 1 35 | 9 55 | 1 25 | 23 27 | 0 3 | 18 20 | 0 37 | 3 21 | 2 11 | 23 45 | 0 14 | 7 43 | 1 10 | 4 0 | 16 36 | 12 0 | 12 19 | 18 50 | 2 11 | 2 13 |
| M15 | 11 41 | 19 18 | 3 44 | 11 8 | 1 32 | 9 26 | 1 25 | 23 29 | 0 4 | 18 17 | 0 37 | 3 18 | 2 11 | 23 45 | 0 14 | 7 44 | 1 10 | 4 0 | 16 36 | 12 0 | 12 18 | 18 50 | 2 14 | 2 13 |
| T 16 | 11 21 | 19 1 | 4 28 | 10 23 | 1 28 | 8 58 | 1 24 | 23 32 | 0 5 | 18 13 | 0 37 | 3 15 | 2 11 | 23 45 | 0 14 | 7 45 | 1 10 | 4 0 | 16 36 | 11 58 | 12 17 | 18 51 | 2 17 | 2 13 |
| W17 | 11 0 | 17 32 | 4 56 | 9 38 | 1 24 | 8 29 | 1 24 | 23 34 | 0 6 | 18 10 | 0 37 | 3 13 | 2 11 | 23 45 | 0 14 | 7 45 | 1 10 | 4 1 | 16 37 | 11 56 | 12 16 | 18 51 | 2 20 | 2 12 |
| T 18 | 10 39 | 14 58 | 5 5 | 8 53 | 1 19 | 8 0 | 1 23 | 23 36 | 0 7 | 18 6 | 0 37 | 3 10 | 2 11 | 23 45 | 0 14 | 7 46 | 1 10 | 4 1 | 16 37 | 11 53 | 12 15 | 18 51 | 2 23 | 2 12 |
| F 19 | 10 18 | 11 33 | 4 55 | 8 7 | 1 14 | 7 31 | 1 22 | 23 38 | 0 8 | 18 3 | 0 38 | 3 7 | 2 11 | 23 45 | 0 14 | 7 46 | 1 10 | 4 2 | 16 37 | 11 50 | 12 14 | 18 51 | 2 26 | 2 11 |
| S 20 | 9 57 | 7 34 | 4 28 | 7 21 | 1 8 | 7 1 | 1 22 | 23 40 | 0 10 | 18 0 | 0 38 | 3 4 | 2 11 | 23 45 | 0 14 | 7 47 | 1 10 | 4 2 | 16 37 | 11 47 | 12 13 | 18 52 | 2 29 | 2 11 |
| S 21 | 9 36 | 3 15 | 3 47 | 6 35 | 1 3 | 6 31 | 1 21 | 23 41 | 0 11 | 17 56 | 0 38 | 3 1 | 2 10 | 23 45 | 0 14 | 7 48 | 1 10 | 4 3 | 16 38 | 11 44 | 12 11 | 18 52 | 2 31 | 2 11 |
| M22 | 9 14 | 1s 7 | 2 53 | 5 50 | 0 57 | 6 2 | 1 20 | 23 43 | 0 12 | 17 53 | 0 38 | 2 58 | 2 10 | 23 45 | 0 14 | 7 48 | 1 10 | 4 3 | 16 38 | 11 42 | 12 10 | 18 52 | 2 34 | 2 10 |
| T 23 | 8 53 | 5 19 | 1 52 | 5 4 | 0 51 | 5 32 | 1 19 | 23 44 | 0 13 | 17 49 | 0 38 | 2 56 | 2 10 | 23 45 | 0 14 | 7 49 | 1 10 | 4 3 | 16 38 | 11 40 | 12 9 | 18 53 | 2 37 | 2 10 |
| W24 | 8 31 | 9 12 | 0 47 | 4 18 | 0 44 | 5 1 | 1 18 | 23 45 | 0 14 | 17 46 | 0 38 | 2 53 | 2 10 | 23 45 | 0 14 | 7 50 | 1 10 | 4 4 | 16 38 | 11 39 | 12 8 | 18 53 | 2 40 | 2 10 |
| T 25 | 8 9 | 12 35 | 0n19 | 3 32 | 0 38 | 4 31 | 1 17 | 23 46 | 0 15 | 17 43 | 0 38 | 2 50 | 2 10 | 23 45 | 0 14 | 7 50 | 1 10 | 4 4 | 16 39 | 11 39 | 12 7 | 18 53 | 2 43 | 2 9 |
| F 26 | 7 47 | 15 21 | 1 23 | 2 47 | 0 31 | 4 0 | 1 16 | 23 47 | 0 16 | 17 39 | 0 38 | 2 47 | 2 10 | 23 45 | 0 14 | 7 51 | 1 10 | 4 5 | 16 39 | 11 39 | 12 6 | 18 53 | 2 46 | 2 9 |
| S 27 | 7 25 | 17 26 | 2 23 | 2 2 | 0 24 | 3 30 | 1 15 | 23 47 | 0 17 | 17 36 | 0 38 | 2 44 | 2 10 | 23 45 | 0 14 | 7 52 | 1 10 | 4 5 | 16 39 | 11 40 | 12 5 | 18 54 | 2 49 | 2 8 |
| S 28 | 7 2 | 18 45 | 3 16 | 1 17 | 0 17 | 2 59 | 1 14 | 23 48 | 0 18 | 17 32 | 0 39 | 2 41 | 2 10 | 23 45 | 0 14 | 7 52 | 1 10 | 4 6 | 16 39 | 11 40 | 12 4 | 18 54 | 2 52 | 2 8 |
| M29 | 6 40 | 19 14 | 4 1 | 0 32 | 0 10 | 2 28 | 1 13 | 23 48 | 0 19 | 17 29 | 0 39 | 2 38 | 2 10 | 23 45 | 0 14 | 7 53 | 1 10 | 4 6 | 16 40 | 11 40 | 12 3 | 18 54 | 2 55 | 2 8 |
| T 30 | 6 17 | 18 52 | 4 36 | 0s13 | 0 2 | 1 58 | 1 11 | 23 48 | 0 20 | 17 26 | 0 39 | 2 35 | 2 10 | 23 45 | 0 14 | 7 54 | 1 10 | 4 7 | 16 40 | 11 39 | 12 1 | 18 54 | 2 58 | 2 7 |
| W31 | 5n55 | 17s38 | 4n59 | 0s57 | 0s 5 | 1n27 | 1n10 | 23n48 | 0n21 | 17n22 | 0n39 | 2n33 | 2n10 | 23n45 | 0n14 | 7s54 | 1s10 | 4s 7 | 16s40 | 11s38 | 12s 0 | 18s55 | 3s 2 | 2s 7 |

Julian Day Number = 2218740.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°50'57, Lahiri = 14°57'58 Julian Calendar 1 Aug. 1362 == Greg. Calendar 9 Aug. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## SEPTEMBER 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 11 35 | 16♍ 1'23 | 28♉ 4 | 3♎43 | 0♎18 | 5♋ 1 | 13♌58 | 28♍44 | 1♋45 | 12°R38 | 29°R59 | 0°R15 | 1♏22 | 11♐ 2 | 2♎51 | T 1 |
| F 2 | 23 15 32 | 17° 0'00 | 10♒44 | 5°15 | 1°33 | 5°36 | 14°10 | 28°51 | 1°47 | 12♓37 | 29♈59 | 0♏ 8 | 1°19 | 11° 9 | 3° 0 | F 2 |
| S 3 | 23 19 28 | 17°58'38 | 23°43 | 6°45 | 2°47 | 6°11 | 14°22 | 28°58 | 1°48 | 12°35 | 29°58 | 0° 0 | 1°15 | 11°16 | 3° 9 | S 3 |
| S 4 | 23 23 25 | 18°57'19 | 7♓ 1 | 8°15 | 4° 2 | 6°46 | 14°34 | 29° 6 | 1°50 | 12°33 | 29°57 | 29♎53 | 1°12 | 11°22 | 3°17 | S 4 |
| M 5 | 23 27 21 | 19°56'01 | 20°37 | 9°43 | 5°16 | 7°20 | 14°46 | 29°13 | 1°51 | 12°32 | 29°57 | 29°47 | 1° 9 | 11°29 | 3°26 | M 5 |
| T 6 | 23 31 18 | 20°54'45 | 4♈28 | 11°10 | 6°30 | 7°55 | 14°58 | 29°20 | 1°52 | 12°30 | 29°56 | 29°43 | 1° 6 | 11°36 | 3°34 | T 6 |
| W 7 | 23 35 14 | 21°53'31 | 18°31 | 12°37 | 7°45 | 8°29 | 15°10 | 29°28 | 1°54 | 12°28 | 29°55 | 29°41 | 1° 3 | 11°42 | 3°43 | W 7 |
| T 8 | 23 39 11 | 22°52'20 | 2♉42 | 14° 2 | 8°59 | 9° 3 | 15°22 | 29°35 | 1°55 | 12°27 | 29°54 | 29°D41 | 1° 0 | 11°49 | 3°52 | T 8 |
| F 9 | 23 43 7 | 23°51'11 | 16°56 | 15°26 | 10°14 | 9°37 | 15°33 | 29°42 | 1°56 | 12°25 | 29°53 | 29°41 | 0°56 | 11°56 | 4° 0 | F 9 |
| S 10 | 23 47 4 | 24°50'04 | 1♊12 | 16°49 | 11°28 | 10°11 | 15°45 | 29°50 | 1°57 | 12°23 | 29°52 | 29°43 | 0°53 | 12° 2 | 4° 9 | S 10 |
| S 11 | 23 51 1 | 25°48'59 | 15°26 | 18°11 | 12°42 | 10°44 | 15°56 | 29°57 | 1°58 | 12°22 | 29°51 | 29°44 | 0°50 | 12° 9 | 4°18 | S 11 |
| M12 | 23 54 57 | 26°47'57 | 29°36 | 19°32 | 13°57 | 11°18 | 16° 8 | 0♎ 4 | 1°59 | 12°20 | 29°51 | 29°R44 | 0°47 | 12°16 | 4°26 | M12 |
| T 13 | 23 58 54 | 27°46'57 | 13♋40 | 20°51 | 15°11 | 11°51 | 16°19 | 0°12 | 2° 0 | 12°19 | 29°50 | 29°43 | 0°44 | 12°23 | 4°35 | T 13 |
| W14 | 0 2 50 | 28°46'00 | 27°38 | 22° 9 | 16°26 | 12°24 | 16°31 | 0°19 | 2° 1 | 12°17 | 29°49 | 29°41 | 0°41 | 12°29 | 4°44 | W14 |
| T 15 | 0 6 47 | 29°45'05 | 11♌26 | 23°26 | 17°40 | 12°57 | 16°42 | 0°26 | 2° 2 | 12°15 | 29°48 | 29°37 | 0°37 | 12°36 | 4°52 | T 15 |
| F 16 | 0 10 43 | 0♎44'12 | 25° 4 | 24°41 | 18°55 | 13°30 | 16°53 | 0°34 | 2° 2 | 12°14 | 29°47 | 29°33 | 0°34 | 12°43 | 5° 1 | F 16 |
| S 17 | 0 14 40 | 1°43'21 | 8♍30 | 25°55 | 20° 9 | 14° 2 | 17° 4 | 0°41 | 2° 3 | 12°12 | 29°46 | 29°28 | 0°31 | 12°49 | 5°10 | S 17 |
| S 18 | 0 18 36 | 2°42'33 | 21°41 | 27° 8 | 21°23 | 14°34 | 17°15 | 0°48 | 2° 4 | 12°11 | 29°45 | 29°24 | 0°28 | 12°56 | 5°19 | S 18 |
| M19 | 0 22 33 | 3°41'46 | 4♎37 | 28°18 | 22°38 | 15° 7 | 17°26 | 0°56 | 2° 4 | 12° 9 | 29°44 | 29°21 | 0°25 | 13° 3 | 5°27 | M19 |
| T 20 | 0 26 29 | 4°41'02 | 17°18 | 29°27 | 23°52 | 15°39 | 17°37 | 1° 3 | 2° 5 | 12° 8 | 29°43 | 29°19 | 0°21 | 13° 9 | 5°36 | T 20 |
| W21 | 0 30 26 | 5°40'20 | 29°43 | 0♏34 | 25° 7 | 16°10 | 17°48 | 1°10 | 2° 5 | 12° 6 | 29°42 | 29°D19 | 0°18 | 13°16 | 5°45 | W21 |
| T 22 | 0 34 23 | 6°39'39 | 11♏55 | 1°38 | 26°21 | 16°42 | 17°58 | 1°18 | 2° 6 | 12° 5 | 29°41 | 29°19 | 0°15 | 13°23 | 5°54 | T 22 |
| F 23 | 0 38 19 | 7°39'01 | 23°56 | 2°41 | 27°35 | 17°13 | 18° 9 | 1°25 | 2° 6 | 12° 3 | 29°40 | 29°21 | 0°12 | 13°29 | 6° 2 | F 23 |
| S 24 | 0 42 16 | 8°38'25 | 5♐50 | 3°40 | 28°50 | 17°44 | 18°19 | 1°32 | 2° 7 | 12° 2 | 29°39 | 29°22 | 0° 9 | 13°36 | 6°11 | S 24 |
| S 25 | 0 46 12 | 9°37'50 | 17°40 | 4°38 | 0♏ 4 | 18°15 | 18°30 | 1°40 | 2° 7 | 12° 1 | 29°38 | 29°24 | 0° 6 | 13°43 | 6°20 | S 25 |
| M26 | 0 50 9 | 10°37'17 | 29°30 | 5°32 | 1°18 | 18°46 | 18°40 | 1°47 | 2° 7 | 11°59 | 29°37 | 29°25 | 0° 2 | 13°49 | 6°29 | M26 |
| T 27 | 0 54 5 | 11°36'46 | 11♑27 | 6°22 | 2°33 | 19°17 | 18°50 | 1°54 | 2° 7 | 11°58 | 29°36 | 29°R26 | 29♎59 | 13°56 | 6°37 | T 27 |
| W28 | 0 58 2 | 12°36'17 | 23°33 | 7° 9 | 3°47 | 19°47 | 19° 0 | 2° 2 | 2° 8 | 11°56 | 29°34 | 29°25 | 29°56 | 14° 3 | 6°46 | W28 |
| T 29 | 1 1 58 | 13°35'50 | 5♒55 | 7°53 | 5° 2 | 20°17 | 19°10 | 2° 9 | 2° 8 | 11°55 | 29°33 | 29°24 | 29°53 | 14° 9 | 6°55 | T 29 |
| F 30 | 1 5 55 | 14♎35'24 | 18♒35 | 8♏31 | 6♏16 | 20♋47 | 19♌20 | 2♎16 | 2°R 8 | 11♓54 | 29♈32 | 29♎22 | 29♎50 | 14♐16 | 7♎ 3 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n32 | 15s34 | 5n 9 | 1s40 | 0s12 | 0n56 | 1n 9 | 23n48 | 0n22 | 17n19 | 0n39 | 2n30 | 2n10 | 23n45 | 0n14 | 7s55 | 1s10 | 4s 8 | 16s40 | 11s36 | 11s59 | 18s55 | 3s 5 | 2s 7 |
| F 2 | 5 9 | 12 44 | 5 4 | 2 24 | 0 20 | 0 25 | 1 7 | 23 48 | 0 24 | 17 15 | 0 39 | 2 27 | 2 10 | 23 45 | 0 14 | 7 56 | 1 10 | 4 8 | 16 41 | 11 33 | 11 58 | 18 55 | 3 8 | 2 6 |
| S 3 | 4 46 | 9 12 | 4 43 | 3 7 | 0 27 | 0s 7 | 1 6 | 23 47 | 0 25 | 17 12 | 0 39 | 2 24 | 2 10 | 23 45 | 0 14 | 7 56 | 1 10 | 4 8 | 16 41 | 11 31 | 11 57 | 18 55 | 3 11 | 2 6 |
| S 4 | 4 23 | 5 8 | 4 7 | 3 49 | 0 35 | 0 38 | 1 4 | 23 47 | 0 26 | 17 9 | 0 40 | 2 21 | 2 10 | 23 45 | 0 14 | 7 57 | 1 10 | 4 9 | 16 41 | 11 28 | 11 56 | 18 56 | 3 14 | 2 6 |
| M 5 | 4 0 | 0 43 | 3 16 | 4 31 | 0 43 | 1 9 | 1 2 | 23 46 | 0 27 | 17 5 | 0 40 | 2 18 | 2 10 | 23 45 | 0 14 | 7 57 | 1 10 | 4 9 | 16 41 | 11 26 | 11 55 | 18 56 | 3 17 | 2 5 |
| T 6 | 3 37 | 3n49 | 2 13 | 5 12 | 0 50 | 1 40 | 1 1 | 23 45 | 0 28 | 17 2 | 0 40 | 2 15 | 2 10 | 23 45 | 0 14 | 7 58 | 1 10 | 4 10 | 16 41 | 11 25 | 11 54 | 18 56 | 3 20 | 2 5 |
| W 7 | 3 14 | 8 13 | 1 0 | 5 53 | 0 58 | 2 11 | 0 59 | 23 44 | 0 29 | 16 59 | 0 40 | 2 12 | 2 10 | 23 45 | 0 14 | 7 59 | 1 10 | 4 10 | 16 42 | 11 24 | 11 53 | 18 56 | 3 23 | 2 5 |
| T 8 | 2 50 | 12 11 | 0s16 | 6 34 | 1 6 | 2 42 | 0 57 | 23 43 | 0 31 | 16 55 | 0 40 | 2 9 | 2 10 | 23 45 | 0 14 | 7 59 | 1 10 | 4 11 | 16 42 | 11 24 | 11 52 | 18 57 | 3 26 | 2 4 |
| F 9 | 2 27 | 15 28 | 1 33 | 7 13 | 1 13 | 3 13 | 0 55 | 23 42 | 0 32 | 16 52 | 0 40 | 2 6 | 2 10 | 23 45 | 0 14 | 8 0 | 1 10 | 4 11 | 16 42 | 11 24 | 11 50 | 18 57 | 3 30 | 2 4 |
| S 10 | 2 4 | 17 48 | 2 44 | 7 52 | 1 21 | 3 44 | 0 53 | 23 41 | 0 33 | 16 49 | 0 40 | 2 3 | 2 10 | 23 45 | 0 14 | 8 1 | 1 10 | 4 12 | 16 42 | 11 25 | 11 49 | 18 57 | 3 33 | 2 4 |
| S 11 | 1 40 | 19 0 | 3 44 | 8 31 | 1 28 | 4 15 | 0 51 | 23 39 | 0 34 | 16 45 | 0 41 | 2 1 | 2 10 | 23 45 | 0 14 | 8 1 | 1 10 | 4 12 | 16 42 | 11 25 | 11 48 | 18 57 | 3 36 | 2 3 |
| M12 | 1 17 | 19 0 | 4 31 | 9 8 | 1 36 | 4 46 | 0 49 | 23 37 | 0 35 | 16 42 | 0 41 | 1 58 | 2 10 | 23 45 | 0 14 | 8 2 | 1 10 | 4 13 | 16 43 | 11 25 | 11 47 | 18 57 | 3 39 | 2 3 |
| T 13 | 0 53 | 17 50 | 5 1 | 9 45 | 1 43 | 5 16 | 0 47 | 23 36 | 0 37 | 16 39 | 0 41 | 1 55 | 2 10 | 23 45 | 0 14 | 8 2 | 1 10 | 4 13 | 16 43 | 11 25 | 11 46 | 18 58 | 3 42 | 2 3 |
| W14 | 0 30 | 15 36 | 5 13 | 10 21 | 1 50 | 5 47 | 0 45 | 23 34 | 0 38 | 16 36 | 0 41 | 1 52 | 2 10 | 23 45 | 0 14 | 8 3 | 1 10 | 4 14 | 16 43 | 11 24 | 11 45 | 18 58 | 3 45 | 2 3 |
| T 15 | 0 6 | 12 30 | 5 6 | 10 57 | 1 57 | 6 17 | 0 43 | 23 32 | 0 39 | 16 32 | 0 41 | 1 49 | 2 10 | 23 45 | 0 14 | 8 4 | 1 10 | 4 14 | 16 43 | 11 23 | 11 44 | 18 58 | 3 49 | 2 2 |
| F 16 | 0s18 | 8 46 | 4 43 | 11 31 | 2 4 | 6 48 | 0 41 | 23 30 | 0 40 | 16 29 | 0 41 | 1 46 | 2 10 | 23 45 | 0 14 | 8 4 | 1 10 | 4 15 | 16 43 | 11 21 | 11 43 | 18 58 | 3 52 | 2 2 |
| S 17 | 0 41 | 4 39 | 4 4 | 12 5 | 2 11 | 7 18 | 0 39 | 23 28 | 0 42 | 16 26 | 0 41 | 1 43 | 2 10 | 23 45 | 0 14 | 8 5 | 1 10 | 4 15 | 16 43 | 11 19 | 11 41 | 18 58 | 3 55 | 2 2 |
| S 18 | 1 5 | 0 22 | 3 12 | 12 37 | 2 18 | 7 48 | 0 37 | 23 26 | 0 43 | 16 23 | 0 42 | 1 40 | 2 10 | 23 45 | 0 14 | 8 5 | 1 10 | 4 16 | 16 44 | 11 18 | 11 40 | 18 58 | 3 58 | 2 1 |
| M19 | 1 28 | 3s51 | 2 12 | 13 9 | 2 24 | 8 18 | 0 34 | 23 24 | 0 44 | 16 20 | 0 42 | 1 37 | 2 10 | 23 45 | 0 15 | 8 6 | 1 10 | 4 16 | 16 44 | 11 17 | 11 39 | 18 59 | 4 2 | 2 1 |
| T 20 | 1 52 | 7 49 | 1 6 | 13 39 | 2 30 | 8 48 | 0 32 | 23 21 | 0 45 | 16 16 | 0 42 | 1 34 | 2 10 | 23 45 | 0 15 | 8 7 | 1 10 | 4 16 | 16 44 | 11 16 | 11 38 | 18 59 | 4 5 | 2 1 |
| W21 | 2 16 | 11 23 | 0n 2 | 14 8 | 2 36 | 9 17 | 0 30 | 23 19 | 0 47 | 16 13 | 0 42 | 1 31 | 2 10 | 23 45 | 0 15 | 8 7 | 1 10 | 4 17 | 16 44 | 11 16 | 11 37 | 18 59 | 4 8 | 2 1 |
| T 22 | 2 39 | 14 22 | 1 9 | 14 36 | 2 42 | 9 47 | 0 27 | 23 16 | 0 48 | 16 10 | 0 42 | 1 29 | 2 10 | 23 45 | 0 15 | 8 8 | 1 10 | 4 17 | 16 44 | 11 16 | 11 36 | 18 59 | 4 11 | 2 0 |
| F 23 | 3 3 | 16 42 | 2 12 | 15 3 | 2 47 | 10 16 | 0 25 | 23 13 | 0 49 | 16 7 | 0 42 | 1 26 | 2 10 | 23 45 | 0 15 | 8 8 | 1 10 | 4 18 | 16 44 | 11 17 | 11 35 | 18 59 | 4 14 | 2 0 |
| S 24 | 3 26 | 18 16 | 3 8 | 15 29 | 2 52 | 10 45 | 0 22 | 23 11 | 0 51 | 16 4 | 0 43 | 1 23 | 2 11 | 23 45 | 0 15 | 8 9 | 1 10 | 4 18 | 16 44 | 11 17 | 11 34 | 18 59 | 4 18 | 2 0 |
| S 25 | 3 50 | 19 1 | 3 56 | 15 52 | 2 56 | 11 13 | 0 20 | 23 8 | 0 52 | 16 1 | 0 43 | 1 20 | 2 11 | 23 45 | 0 15 | 8 9 | 1 10 | 4 19 | 16 44 | 11 18 | 11 33 | 19 0 | 4 21 | 1 59 |
| M26 | 4 13 | 18 57 | 4 34 | 16 15 | 3 1 | 11 42 | 0 17 | 23 5 | 0 54 | 15 58 | 0 43 | 1 17 | 2 11 | 23 45 | 0 15 | 8 10 | 1 10 | 4 19 | 16 45 | 11 18 | 11 31 | 19 0 | 4 24 | 1 59 |
| T 27 | 4 36 | 18 2 | 5 1 | 16 35 | 3 4 | 12 10 | 0 15 | 23 2 | 0 55 | 15 55 | 0 43 | 1 14 | 2 11 | 23 45 | 0 15 | 8 10 | 1 10 | 4 20 | 16 45 | 11 18 | 11 30 | 19 0 | 4 27 | 1 59 |
| W28 | 5 0 | 16 17 | 5 15 | 16 54 | 3 7 | 12 38 | 0 12 | 22 59 | 0 56 | 15 52 | 0 43 | 1 11 | 2 11 | 23 45 | 0 15 | 8 11 | 1 10 | 4 20 | 16 45 | 11 18 | 11 29 | 19 0 | 4 31 | 1 59 |
| T 29 | 5 23 | 13 47 | 5 14 | 17 10 | 3 10 | 13 5 | 0 10 | 22 56 | 0 58 | 15 49 | 0 44 | 1 9 | 2 11 | 23 45 | 0 15 | 8 11 | 1 10 | 4 20 | 16 45 | 11 18 | 11 28 | 19 0 | 4 34 | 1 58 |
| F 30 | 5s46 | 10s34 | 4n59 | 17s25 | 3s12 | 13s33 | 0n 7 | 22n53 | 0n59 | 15n46 | 0n44 | 1n 6 | 2n11 | 23n45 | 0n15 | 8s12 | 1s10 | 4s21 | 16s45 | 11s17 | 11s27 | 19s 0 | 4s37 | 1s58 |

Julian Day Number = 2218771.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'01, Lahiri = 14°58'02 Julian Calendar 1 Sept. 1362 == Greg. Calendar 9 Sept. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## OCTOBER 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 9 52 | 15♎35'00 | 1♓38 | 9♏ 5 | 7♏30 | 21♋16 | 19♌30 | 2♎23 | 2°R 8 | 11°R52 | 29°R31 | 29°R20 | 29♎46 | 14♐23 | 7♎12 | S 1 |
| S 2 | 1 13 48 | 16°34'38 | 15° 4 | 9°34 | 8°45 | 21°46 | 19°40 | 2°31 | 2♋ 8 | 11♓51 | 29♈30 | 29♎19 | 29°43 | 14°29 | 7°21 | S 2 |
| M 3 | 1 17 45 | 17°34'18 | 28°53 | 9°56 | 9°59 | 22°15 | 19°50 | 2°38 | 2° 7 | 11°50 | 29°29 | 29°17 | 29°40 | 14°36 | 7°29 | M 3 |
| T 4 | 1 21 41 | 18°34'00 | 13♈ 3 | 10°13 | 11°13 | 22°44 | 19°59 | 2°45 | 2° 7 | 11°48 | 29°28 | 29°16 | 29°37 | 14°43 | 7°38 | T 4 |
| W 5 | 1 25 38 | 19°33'43 | 27°30 | 10°22 | 12°27 | 23°13 | 20° 9 | 2°52 | 2° 7 | 11°47 | 29°27 | 29°D16 | 29°34 | 14°50 | 7°47 | W 5 |
| T 6 | 1 29 34 | 20°33'29 | 12♉ 8 | 10°R24 | 13°42 | 23°41 | 20°18 | 2°59 | 2° 7 | 11°46 | 29°26 | 29°16 | 29°31 | 14°56 | 7°55 | T 6 |
| F 7 | 1 33 31 | 21°33'17 | 26°51 | 10°18 | 14°56 | 24° 9 | 20°27 | 3° 7 | 2° 6 | 11°45 | 29°25 | 29°17 | 29°27 | 15° 3 | 8° 4 | F 7 |
| S 8 | 1 37 27 | 22°33'08 | 11♊31 | 10° 3 | 16°10 | 24°37 | 20°36 | 3°14 | 2° 6 | 11°44 | 29°23 | 29°17 | 29°24 | 15°10 | 8°13 | S 8 |
| S 9 | 1 41 24 | 23°33'00 | 26° 4 | 9°39 | 17°25 | 25° 5 | 20°45 | 3°21 | 2° 6 | 11°43 | 29°22 | 29°18 | 29°21 | 15°16 | 8°21 | S 9 |
| M10 | 1 45 21 | 24°32'55 | 10♋24 | 9° 7 | 18°39 | 25°32 | 20°54 | 3°28 | 2° 5 | 11°41 | 29°21 | 29°18 | 29°18 | 15°23 | 8°30 | M10 |
| T 11 | 1 49 17 | 25°32'52 | 24°30 | 8°25 | 19°53 | 25°59 | 21° 3 | 3°35 | 2° 5 | 11°40 | 29°20 | 29°R18 | 29°15 | 15°30 | 8°38 | T 11 |
| W12 | 1 53 14 | 26°32'51 | 8♌20 | 7°34 | 21° 7 | 26°26 | 21°11 | 3°42 | 2° 4 | 11°39 | 29°19 | 29°18 | 29°12 | 15°36 | 8°47 | W12 |
| T 13 | 1 57 10 | 27°32'52 | 21°53 | 6°34 | 22°22 | 26°52 | 21°20 | 3°49 | 2° 3 | 11°38 | 29°18 | 29°18 | 29° 8 | 15°43 | 8°55 | T 13 |
| F 14 | 2 1 7 | 28°32'56 | 5♍10 | 5°28 | 23°36 | 27°19 | 21°28 | 3°56 | 2° 3 | 11°37 | 29°17 | 29°18 | 29° 5 | 15°50 | 9° 4 | F 14 |
| S 15 | 2 5 3 | 29°33'01 | 18°12 | 4°15 | 24°50 | 27°45 | 21°37 | 4° 3 | 2° 2 | 11°36 | 29°16 | 29°D18 | 29° 2 | 15°56 | 9°12 | S 15 |
| S 16 | 2 9 0 | 0♏33'09 | 1♎ 0 | 2°59 | 26° 4 | 28°10 | 21°45 | 4° 9 | 2° 1 | 11°35 | 29°14 | 29°18 | 28°59 | 16° 3 | 9°21 | S 16 |
| M17 | 2 12 56 | 1°33'19 | 13°34 | 1°40 | 27°19 | 28°36 | 21°53 | 4°16 | 2° 0 | 11°34 | 29°13 | 29°18 | 28°56 | 16°10 | 9°29 | M17 |
| T 18 | 2 16 53 | 2°33'30 | 25°58 | 0°23 | 28°33 | 29° 0 | 22° 1 | 4°23 | 1°59 | 11°33 | 29°12 | 29°R18 | 28°52 | 16°16 | 9°37 | T 18 |
| W19 | 2 20 49 | 3°33'44 | 8♏10 | 29♎ 8 | 29°47 | 29°25 | 22° 8 | 4°30 | 1°58 | 11°32 | 29°11 | 29°18 | 28°49 | 16°23 | 9°46 | W19 |
| T 20 | 2 24 46 | 4°33'59 | 20°14 | 27°59 | 1♐ 1 | 29°49 | 22°16 | 4°37 | 1°57 | 11°32 | 29°10 | 29°18 | 28°46 | 16°30 | 9°54 | T 20 |
| F 21 | 2 28 43 | 5°34'16 | 2♐11 | 26°58 | 2°16 | 0♌13 | 22°24 | 4°43 | 1°56 | 11°31 | 29° 9 | 29°17 | 28°43 | 16°36 | 10° 2 | F 21 |
| S 22 | 2 32 39 | 6°34'35 | 14° 2 | 26° 5 | 3°30 | 0°37 | 22°31 | 4°50 | 1°55 | 11°30 | 29° 8 | 29°16 | 28°40 | 16°43 | 10°10 | S 22 |
| S 23 | 2 36 36 | 7°34'55 | 25°51 | 25°24 | 4°44 | 1° 0 | 22°38 | 4°57 | 1°54 | 11°29 | 29° 7 | 29°15 | 28°37 | 16°50 | 10°18 | S 23 |
| M24 | 2 40 32 | 8°35'17 | 7♑42 | 24°53 | 5°58 | 1°23 | 22°45 | 5° 3 | 1°53 | 11°29 | 29° 5 | 29°14 | 28°33 | 16°57 | 10°27 | M24 |
| T 25 | 2 44 29 | 9°35'41 | 19°37 | 24°35 | 7°12 | 1°46 | 22°52 | 5°10 | 1°51 | 11°28 | 29° 4 | 29°13 | 28°30 | 17° 3 | 10°35 | T 25 |
| W26 | 2 48 25 | 10°36'05 | 1♒40 | 24°D28 | 8°26 | 2° 8 | 22°59 | 5°16 | 1°50 | 11°27 | 29° 3 | 29°12 | 28°27 | 17°10 | 10°43 | W26 |
| T 27 | 2 52 22 | 11°36'32 | 13°58 | 24°32 | 9°41 | 2°29 | 23° 6 | 5°23 | 1°49 | 11°27 | 29° 2 | 29°D12 | 28°24 | 17°17 | 10°51 | T 27 |
| F 28 | 2 56 18 | 12°36'59 | 26°33 | 24°47 | 10°55 | 2°51 | 23°12 | 5°29 | 1°47 | 11°26 | 29° 1 | 29°12 | 28°21 | 17°23 | 10°59 | F 28 |
| S 29 | 3 0 15 | 13°37'28 | 9♓30 | 25°12 | 12° 9 | 3°12 | 23°18 | 5°35 | 1°46 | 11°25 | 29° 0 | 29°13 | 28°18 | 17°30 | 11° 7 | S 29 |
| S 30 | 3 4 12 | 14°37'58 | 22°52 | 25°45 | 13°23 | 3°32 | 23°24 | 5°42 | 1°44 | 11°25 | 28°59 | 29°15 | 28°14 | 17°37 | 11°15 | S 30 |
| M31 | 3 8 8 | 15♏38'30 | 6♈41 | 26♎27 | 14♐37 | 3♌52 | 23♌31 | 5♎48 | 1♋43 | 11♓24 | 28♈58 | 29♎16 | 28♎11 | 17♐43 | 11♎22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 6s 9 | 6s46 | 4n28 | 17s37 | 3s13 | 13s59 | 0n 4 | 22n50 | 1n 1 | 15n43 | 0n44 | 1n 3 | 2n11 | 23n45 | 0n15 | 8s12 | 1s10 | 4s21 | 16s45 | 11s17 | 11s26 | 19s 0 | 4s40 | 1s58 | S 1 |
| S 2 | 6 32 | 2 30 | 3 41 | 17 46 | 3 13 | 14 26 | 0 2 | 22 46 | 1 2 | 15 40 | 0 44 | 1 0 | 2 11 | 23 45 | 0 15 | 8 13 | 1 10 | 4 22 | 16 45 | 11 16 | 11 25 | 19 1 | 4 43 | 1 58 | S 2 |
| M 3 | 6 55 | 2n 1 | 2 41 | 17 53 | 3 12 | 14 52 | 0s 1 | 22 43 | 1 4 | 15 37 | 0 44 | 0 57 | 2 11 | 23 45 | 0 15 | 8 13 | 1 10 | 4 22 | 16 45 | 11 15 | 11 24 | 19 1 | 4 47 | 1 57 | M 3 |
| T 4 | 7 18 | 6 32 | 1 29 | 17 56 | 3 10 | 15 18 | 0 4 | 22 40 | 1 5 | 15 34 | 0 44 | 0 54 | 2 11 | 23 45 | 0 15 | 8 14 | 1 10 | 4 23 | 16 45 | 11 15 | 11 22 | 19 1 | 4 50 | 1 57 | T 4 |
| W 5 | 7 41 | 10 46 | 0 10 | 17 56 | 3 7 | 15 44 | 0 6 | 22 37 | 1 6 | 15 31 | 0 45 | 0 52 | 2 11 | 23 45 | 0 15 | 8 14 | 1 10 | 4 23 | 16 45 | 11 15 | 11 21 | 19 1 | 4 53 | 1 57 | W 5 |
| T 6 | 8 3 | 14 24 | 1s11 | 17 53 | 3 3 | 16 9 | 0 9 | 22 33 | 1 8 | 15 29 | 0 45 | 0 49 | 2 11 | 23 45 | 0 15 | 8 15 | 1 10 | 4 23 | 16 45 | 11 15 | 11 20 | 19 1 | 4 56 | 1 57 | T 6 |
| F 7 | 8 26 | 17 8 | 2 27 | 17 46 | 2 57 | 16 33 | 0 12 | 22 30 | 1 10 | 15 26 | 0 45 | 0 46 | 2 11 | 23 45 | 0 15 | 8 15 | 1 10 | 4 24 | 16 45 | 11 15 | 11 19 | 19 1 | 4 59 | 1 56 | F 7 |
| S 8 | 8 48 | 18 43 | 3 34 | 17 34 | 2 50 | 16 58 | 0 14 | 22 26 | 1 11 | 15 23 | 0 45 | 0 43 | 2 12 | 23 45 | 0 15 | 8 16 | 1 10 | 4 24 | 16 45 | 11 15 | 11 18 | 19 1 | 5 3 | 1 56 | S 8 |
| S 9 | 9 10 | 19 2 | 4 26 | 17 18 | 2 41 | 17 21 | 0 17 | 22 23 | 1 13 | 15 20 | 0 45 | 0 41 | 2 12 | 23 45 | 0 15 | 8 16 | 1 10 | 4 25 | 16 45 | 11 16 | 11 17 | 19 1 | 5 6 | 1 56 | S 9 |
| M10 | 9 33 | 18 7 | 5 1 | 16 58 | 2 31 | 17 45 | 0 20 | 22 19 | 1 14 | 15 18 | 0 46 | 0 38 | 2 12 | 23 45 | 0 15 | 8 16 | 1 10 | 4 25 | 16 45 | 11 16 | 11 16 | 19 2 | 5 9 | 1 56 | M10 |
| T 11 | 9 55 | 16 6 | 5 17 | 16 33 | 2 19 | 18 8 | 0 22 | 22 16 | 1 16 | 15 15 | 0 46 | 0 35 | 2 12 | 23 45 | 0 15 | 8 17 | 1 10 | 4 25 | 16 45 | 11 16 | 11 15 | 19 2 | 5 12 | 1 55 | T 11 |
| W12 | 10 16 | 13 11 | 5 14 | 16 3 | 2 5 | 18 30 | 0 25 | 22 12 | 1 17 | 15 13 | 0 46 | 0 33 | 2 12 | 23 45 | 0 15 | 8 17 | 1 10 | 4 26 | 16 45 | 11 16 | 11 13 | 19 2 | 5 15 | 1 55 | W12 |
| T 13 | 10 38 | 9 38 | 4 53 | 15 28 | 1 49 | 18 52 | 0 28 | 22 9 | 1 19 | 15 10 | 0 46 | 0 30 | 2 12 | 23 45 | 0 15 | 8 18 | 1 10 | 4 26 | 16 45 | 11 16 | 11 12 | 19 2 | 5 19 | 1 55 | T 13 |
| F 14 | 11 0 | 5 39 | 4 18 | 14 50 | 1 32 | 19 14 | 0 31 | 22 5 | 1 21 | 15 7 | 0 46 | 0 27 | 2 12 | 23 45 | 0 15 | 8 18 | 1 9 | 4 27 | 16 45 | 11 16 | 11 11 | 19 2 | 5 22 | 1 55 | F 14 |
| S 15 | 11 21 | 1 28 | 3 29 | 14 8 | 1 13 | 19 35 | 0 33 | 22 2 | 1 22 | 15 5 | 0 47 | 0 25 | 2 12 | 23 45 | 0 15 | 8 18 | 1 9 | 4 27 | 16 45 | 11 16 | 11 10 | 19 2 | 5 25 | 1 55 | S 15 |
| S 16 | 11 42 | 2s42 | 2 31 | 13 23 | 0 53 | 19 55 | 0 36 | 21 58 | 1 24 | 15 3 | 0 47 | 0 22 | 2 12 | 23 45 | 0 15 | 8 19 | 1 9 | 4 27 | 16 45 | 11 16 | 11 9 | 19 2 | 5 28 | 1 54 | S 16 |
| M17 | 12 3 | 6 42 | 1 26 | 12 36 | 0 33 | 20 15 | 0 39 | 21 54 | 1 26 | 15 0 | 0 47 | 0 19 | 2 13 | 23 45 | 0 15 | 8 19 | 1 9 | 4 28 | 16 45 | 11 16 | 11 8 | 19 2 | 5 31 | 1 54 | M17 |
| T 18 | 12 24 | 10 21 | 0 19 | 11 50 | 0 12 | 20 34 | 0 41 | 21 51 | 1 27 | 14 58 | 0 47 | 0 17 | 2 13 | 23 45 | 0 15 | 8 19 | 1 9 | 4 28 | 16 45 | 11 16 | 11 7 | 19 2 | 5 34 | 1 54 | T 18 |
| W19 | 12 45 | 13 30 | 0n49 | 11 4 | 0n 9 | 20 53 | 0 44 | 21 47 | 1 29 | 14 55 | 0 47 | 0 14 | 2 13 | 23 45 | 0 15 | 8 20 | 1 9 | 4 28 | 16 45 | 11 16 | 11 6 | 19 2 | 5 37 | 1 54 | W19 |
| T 20 | 13 5 | 16 2 | 1 54 | 10 21 | 0 28 | 21 11 | 0 47 | 21 44 | 1 31 | 14 53 | 0 48 | 0 12 | 2 13 | 23 46 | 0 15 | 8 20 | 1 9 | 4 29 | 16 45 | 11 16 | 11 4 | 19 2 | 5 40 | 1 54 | T 20 |
| F 21 | 13 25 | 17 51 | 2 53 | 9 41 | 0 47 | 21 29 | 0 49 | 21 41 | 1 32 | 14 51 | 0 48 | 0 9 | 2 13 | 23 46 | 0 15 | 8 20 | 1 9 | 4 29 | 16 45 | 11 15 | 11 3 | 19 2 | 5 43 | 1 53 | F 21 |
| S 22 | 13 45 | 18 52 | 3 44 | 9 6 | 1 5 | 21 46 | 0 52 | 21 37 | 1 34 | 14 49 | 0 48 | 0 7 | 2 13 | 23 46 | 0 15 | 8 21 | 1 9 | 4 29 | 16 45 | 11 15 | 11 2 | 19 2 | 5 46 | 1 53 | S 22 |
| S 23 | 14 5 | 19 2 | 4 25 | 8 36 | 1 21 | 22 3 | 0 54 | 21 34 | 1 36 | 14 47 | 0 48 | 0 4 | 2 13 | 23 46 | 0 15 | 8 21 | 1 9 | 4 30 | 16 45 | 11 15 | 11 1 | 19 3 | 5 50 | 1 53 | S 23 |
| M24 | 14 25 | 18 23 | 4 55 | 8 12 | 1 35 | 22 18 | 0 57 | 21 31 | 1 38 | 14 44 | 0 49 | 0 2 | 2 13 | 23 46 | 0 15 | 8 21 | 1 9 | 4 30 | 16 45 | 11 14 | 11 0 | 19 3 | 5 53 | 1 53 | M24 |
| T 25 | 14 44 | 16 56 | 5 13 | 7 54 | 1 47 | 22 34 | 0 59 | 21 27 | 1 40 | 14 42 | 0 49 | 0s 1 | 2 14 | 23 46 | 0 15 | 8 21 | 1 9 | 4 30 | 16 45 | 11 14 | 10 59 | 19 3 | 5 56 | 1 53 | T 25 |
| W26 | 15 3 | 14 42 | 5 17 | 7 42 | 1 57 | 22 48 | 1 2 | 21 24 | 1 42 | 14 40 | 0 49 | 0 3 | 2 14 | 23 46 | 0 15 | 8 22 | 1 9 | 4 30 | 16 45 | 11 14 | 10 58 | 19 3 | 5 59 | 1 52 | W26 |
| T 27 | 15 22 | 11 48 | 5 7 | 7 36 | 2 5 | 23 2 | 1 4 | 21 21 | 1 43 | 14 38 | 0 49 | 0 6 | 2 14 | 23 46 | 0 15 | 8 22 | 1 9 | 4 31 | 16 45 | 11 14 | 10 56 | 19 3 | 6 2 | 1 52 | T 27 |
| F 28 | 15 41 | 8 17 | 4 42 | 7 35 | 2 12 | 23 15 | 1 7 | 21 18 | 1 45 | 14 36 | 0 49 | 0 8 | 2 14 | 23 46 | 0 15 | 8 22 | 1 9 | 4 31 | 16 45 | 11 14 | 10 55 | 19 3 | 6 5 | 1 52 | F 28 |
| S 29 | 15 59 | 4 18 | 4 2 | 7 40 | 2 17 | 23 28 | 1 9 | 21 15 | 1 47 | 14 35 | 0 50 | 0 10 | 2 14 | 23 46 | 0 15 | 8 22 | 1 9 | 4 31 | 16 44 | 11 14 | 10 54 | 19 3 | 6 7 | 1 52 | S 29 |
| S 30 | 16 17 | 0n 2 | 3 8 | 7 49 | 2 20 | 23 40 | 1 12 | 21 12 | 1 49 | 14 33 | 0 50 | 0 13 | 2 14 | 23 46 | 0 15 | 8 22 | 1 9 | 4 32 | 16 44 | 11 15 | 10 53 | 19 3 | 6 10 | 1 52 | S 30 |
| M31 | 16s35 | 4n32 | 2n 2 | 8s 2 | 2n22 | 23s51 | 1s14 | 21n 9 | 1n51 | 14n31 | 0n50 | 0s15 | 2n15 | 23n46 | 0n15 | 8s22 | 1s 9 | 4s32 | 16s44 | 11s15 | 10s52 | 19s 3 | 6s13 | 1s51 | M31 |

Julian Day Number = 2218801.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'06, Lahiri = 14°58'06 Julian Calendar 1 Oct. 1362 == Greg. Calendar 9 Oct. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## NOVEMBER 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 12 5 | 16♏39'03 | 20♈57 | 27♎16 | 15♐51 | 4♌12 | 23♌36 | 5♎54 | 1°R41 | 11°R24 | 28°R57 | 29♎17 | 28♎ 8 | 17♐50 | 11♎30 | T 1 |
| W 2 | 3 16 1 | 17°39'37 | 5♉36 | 28°11 | 17° 5 | 4°31 | 23°42 | 6° 0 | 1♋40 | 11♓23 | 28♈56 | 29°R17 | 28° 5 | 17°57 | 11°38 | W 2 |
| T 3 | 3 19 58 | 18°40'13 | 20°33 | 29°12 | 18°19 | 4°50 | 23°48 | 6° 6 | 1°38 | 11°23 | 28°55 | 29°16 | 28° 2 | 18° 3 | 11°46 | T 3 |
| F 4 | 3 23 54 | 19°40'50 | 5♊39 | 0♏18 | 19°33 | 5° 8 | 23°53 | 6°12 | 1°36 | 11°23 | 28°53 | 29°14 | 27°58 | 18°10 | 11°53 | F 4 |
| S 5 | 3 27 51 | 20°41'29 | 20°46 | 1°27 | 20°47 | 5°26 | 23°58 | 6°18 | 1°35 | 11°22 | 28°52 | 29°11 | 27°55 | 18°17 | 12° 1 | S 5 |
| S 6 | 3 31 47 | 21°42'09 | 5♋43 | 2°41 | 22° 1 | 5°44 | 24° 3 | 6°24 | 1°33 | 11°22 | 28°51 | 29° 8 | 27°52 | 18°24 | 12° 8 | S 6 |
| M 7 | 3 35 44 | 22°42'52 | 20°24 | 3°57 | 23°15 | 6° 1 | 24° 8 | 6°30 | 1°31 | 11°22 | 28°50 | 29° 5 | 27°49 | 18°30 | 12°16 | M 7 |
| T 8 | 3 39 41 | 23°43'35 | 4♌43 | 5°16 | 24°29 | 6°17 | 24°13 | 6°36 | 1°29 | 11°21 | 28°49 | 29° 3 | 27°46 | 18°37 | 12°23 | T 8 |
| W 9 | 3 43 37 | 24°44'21 | 18°37 | 6°37 | 25°43 | 6°33 | 24°18 | 6°41 | 1°27 | 11°21 | 28°48 | 29°D 2 | 27°43 | 18°44 | 12°31 | W 9 |
| T 10 | 3 47 34 | 25°45'07 | 2♍ 7 | 8° 0 | 26°57 | 6°48 | 24°22 | 6°47 | 1°25 | 11°21 | 28°47 | 29° 2 | 27°39 | 18°50 | 12°38 | T 10 |
| F 11 | 3 51 30 | 26°45'56 | 15°14 | 9°25 | 28°10 | 7° 3 | 24°26 | 6°53 | 1°23 | 11°21 | 28°46 | 29° 3 | 27°36 | 18°57 | 12°45 | F 11 |
| S 12 | 3 55 27 | 27°46'46 | 28° 2 | 10°51 | 29°24 | 7°18 | 24°30 | 6°58 | 1°21 | 11°21 | 28°45 | 29° 4 | 27°33 | 19° 4 | 12°52 | S 12 |
| S 13 | 3 59 23 | 28°47'37 | 10♎33 | 12°18 | 0♑38 | 7°31 | 24°34 | 7° 4 | 1°19 | 11°21 | 28°44 | 29° 6 | 27°30 | 19°10 | 13° 0 | S 13 |
| M14 | 4 3 20 | 29°48'30 | 22°51 | 13°47 | 1°52 | 7°45 | 24°38 | 7° 9 | 1°17 | 11°21 | 28°43 | 29° 7 | 27°27 | 19°17 | 13° 7 | M14 |
| T 15 | 4 7 16 | 0♐49'24 | 5♏ 0 | 15°15 | 3° 6 | 7°57 | 24°41 | 7°14 | 1°15 | 11°D21 | 28°43 | 29°R 7 | 27°23 | 19°24 | 13°14 | T 15 |
| W16 | 4 11 13 | 1°50'20 | 17° 0 | 16°45 | 4°20 | 8° 9 | 24°45 | 7°20 | 1°13 | 11°21 | 28°42 | 29° 6 | 27°20 | 19°30 | 13°21 | W16 |
| T 17 | 4 15 10 | 2°51'16 | 28°56 | 18°15 | 5°33 | 8°21 | 24°48 | 7°25 | 1°11 | 11°21 | 28°41 | 29° 2 | 27°17 | 19°37 | 13°27 | T 17 |
| F 18 | 4 19 6 | 3°52'14 | 10♐48 | 19°46 | 6°47 | 8°32 | 24°51 | 7°30 | 1° 9 | 11°21 | 28°40 | 28°57 | 27°14 | 19°44 | 13°34 | F 18 |
| S 19 | 4 23 3 | 4°53'13 | 22°38 | 21°17 | 8° 1 | 8°42 | 24°54 | 7°35 | 1° 7 | 11°21 | 28°39 | 28°51 | 27°11 | 19°51 | 13°41 | S 19 |
| S 20 | 4 26 59 | 5°54'12 | 4♑28 | 22°48 | 9°15 | 8°51 | 24°56 | 7°40 | 1° 4 | 11°21 | 28°38 | 28°43 | 27° 8 | 19°57 | 13°48 | S 20 |
| M21 | 4 30 56 | 6°55'13 | 16°21 | 24°20 | 10°28 | 9° 0 | 24°59 | 7°45 | 1° 2 | 11°21 | 28°37 | 28°36 | 27° 4 | 20° 4 | 13°54 | M21 |
| T 22 | 4 34 52 | 7°56'14 | 28°18 | 25°52 | 11°42 | 9° 9 | 25° 1 | 7°50 | 1° 0 | 11°22 | 28°36 | 28°29 | 27° 1 | 20°11 | 14° 1 | T 22 |
| W23 | 4 38 49 | 8°57'16 | 10♒22 | 27°24 | 12°55 | 9°16 | 25° 3 | 7°55 | 0°57 | 11°22 | 28°35 | 28°24 | 26°58 | 20°17 | 14° 7 | W23 |
| T 24 | 4 42 45 | 9°58'18 | 22°37 | 28°56 | 14° 9 | 9°23 | 25° 5 | 7°59 | 0°55 | 11°22 | 28°35 | 28°20 | 26°55 | 20°24 | 14°13 | T 24 |
| F 25 | 4 46 42 | 10°59'21 | 5♓ 7 | 0♐28 | 15°23 | 9°29 | 25° 6 | 8° 4 | 0°53 | 11°22 | 28°34 | 28°18 | 26°52 | 20°31 | 14°20 | F 25 |
| S 26 | 4 50 39 | 12° 0'25 | 17°56 | 2° 1 | 16°36 | 9°35 | 25° 8 | 8° 9 | 0°50 | 11°23 | 28°33 | 28°D18 | 26°49 | 20°37 | 14°26 | S 26 |
| S 27 | 4 54 35 | 13° 1'28 | 1♈ 8 | 3°34 | 17°50 | 9°40 | 25° 9 | 8°13 | 0°48 | 11°23 | 28°32 | 28°19 | 26°45 | 20°44 | 14°32 | S 27 |
| M28 | 4 58 32 | 14° 2'33 | 14°46 | 5° 7 | 19° 3 | 9°44 | 25°10 | 8°17 | 0°45 | 11°24 | 28°32 | 28°21 | 26°42 | 20°51 | 14°38 | M28 |
| T 29 | 5 2 28 | 15° 3'38 | 28°53 | 6°39 | 20°16 | 9°47 | 25°11 | 8°22 | 0°43 | 11°24 | 28°31 | 28°R21 | 26°39 | 20°58 | 14°44 | T 29 |
| W30 | 5 6 25 | 16♐ 4'43 | 13♑27 | 8♐13 | 21♑30 | 9♌50 | 25♌12 | 8♎26 | 0♋41 | 11♓25 | 28♈30 | 28♎20 | 26♎36 | 21♐ 4 | 14♎50 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s52 | 8n55 | 0n46 | 8s19 | 2n23 | 24s 2 | 1s16 | 21n 6 | 1n53 | 14n29 | 0n50 | 0s17 | 2n15 | 23n46 | 0n15 | 8s23 | 1s 9 | 4s32 | 16s44 | 11s15 | 10s51 | 19s 3 | 6s16 | 1s51 |
| W 2 | 17 9 | 12 53 | 0s35 | 8 39 | 2 22 | 24 11 | 1 18 | 21 3 | 1 55 | 14 28 | 0 51 | 0 20 | 2 15 | 23 46 | 0 15 | 8 23 | 1 9 | 4 32 | 16 44 | 11 15 | 10 50 | 19 3 | 6 19 | 1 51 |
| T 3 | 17 26 | 16 6 | 1 55 | 9 2 | 2 21 | 24 21 | 1 21 | 21 1 | 1 57 | 14 26 | 0 51 | 0 22 | 2 15 | 23 46 | 0 15 | 8 23 | 1 9 | 4 33 | 16 44 | 11 15 | 10 48 | 19 3 | 6 22 | 1 51 |
| F 4 | 17 43 | 18 15 | 3 8 | 9 27 | 2 19 | 24 29 | 1 23 | 20 58 | 1 59 | 14 24 | 0 51 | 0 24 | 2 15 | 23 46 | 0 16 | 8 23 | 1 9 | 4 33 | 16 44 | 11 14 | 10 47 | 19 3 | 6 25 | 1 51 |
| S 5 | 17 59 | 19 5 | 4 7 | 9 54 | 2 16 | 24 37 | 1 25 | 20 56 | 2 1 | 14 23 | 0 51 | 0 26 | 2 15 | 23 46 | 0 16 | 8 23 | 1 9 | 4 33 | 16 44 | 11 13 | 10 46 | 19 3 | 6 28 | 1 51 |
| S 6 | 18 15 | 18 35 | 4 49 | 10 23 | 2 12 | 24 43 | 1 27 | 20 54 | 2 3 | 14 21 | 0 52 | 0 29 | 2 16 | 23 46 | 0 16 | 8 23 | 1 9 | 4 33 | 16 43 | 11 12 | 10 45 | 19 3 | 6 30 | 1 50 |
| M 7 | 18 31 | 16 50 | 5 11 | 10 52 | 2 8 | 24 50 | 1 29 | 20 51 | 2 5 | 14 20 | 0 52 | 0 31 | 2 16 | 23 46 | 0 16 | 8 23 | 1 9 | 4 33 | 16 43 | 11 11 | 10 44 | 19 3 | 6 33 | 1 50 |
| T 8 | 18 46 | 14 5 | 5 13 | 11 23 | 2 3 | 24 55 | 1 31 | 20 49 | 2 7 | 14 19 | 0 52 | 0 33 | 2 16 | 23 46 | 0 16 | 8 23 | 1 9 | 4 34 | 16 43 | 11 10 | 10 43 | 19 3 | 6 36 | 1 50 |
| W 9 | 19 1 | 10 35 | 4 57 | 11 55 | 1 58 | 25 0 | 1 33 | 20 47 | 2 10 | 14 17 | 0 52 | 0 35 | 2 16 | 23 46 | 0 16 | 8 23 | 1 9 | 4 34 | 16 43 | 11 10 | 10 42 | 19 3 | 6 39 | 1 50 |
| T 10 | 19 16 | 6 39 | 4 24 | 12 27 | 1 52 | 25 4 | 1 35 | 20 45 | 2 12 | 14 16 | 0 52 | 0 37 | 2 16 | 23 46 | 0 16 | 8 23 | 1 9 | 4 34 | 16 43 | 11 10 | 10 40 | 19 3 | 6 41 | 1 50 |
| F 11 | 19 30 | 2 29 | 3 38 | 13 0 | 1 46 | 25 7 | 1 37 | 20 44 | 2 14 | 14 15 | 0 53 | 0 39 | 2 17 | 23 46 | 0 16 | 8 24 | 1 9 | 4 34 | 16 43 | 11 10 | 10 39 | 19 3 | 6 44 | 1 50 |
| S 12 | 19 44 | 1s42 | 2 43 | 13 33 | 1 40 | 25 9 | 1 38 | 20 42 | 2 16 | 14 14 | 0 53 | 0 41 | 2 17 | 23 46 | 0 16 | 8 24 | 1 9 | 4 34 | 16 42 | 11 11 | 10 38 | 19 3 | 6 47 | 1 50 |
| S 13 | 19 57 | 5 44 | 1 40 | 14 6 | 1 33 | 25 11 | 1 40 | 20 41 | 2 18 | 14 13 | 0 53 | 0 43 | 2 17 | 23 46 | 0 16 | 8 24 | 1 9 | 4 34 | 16 42 | 11 12 | 10 37 | 19 3 | 6 49 | 1 49 |
| M14 | 20 11 | 9 27 | 0 34 | 14 39 | 1 27 | 25 12 | 1 42 | 20 40 | 2 21 | 14 12 | 0 53 | 0 45 | 2 17 | 23 46 | 0 16 | 8 24 | 1 9 | 4 35 | 16 42 | 11 12 | 10 36 | 19 3 | 6 52 | 1 49 |
| T 15 | 20 23 | 12 44 | 0n32 | 15 11 | 1 20 | 25 12 | 1 43 | 20 38 | 2 23 | 14 11 | 0 54 | 0 47 | 2 17 | 23 47 | 0 16 | 8 24 | 1 9 | 4 35 | 16 42 | 11 12 | 10 35 | 19 3 | 6 55 | 1 49 |
| W16 | 20 36 | 15 26 | 1 36 | 15 44 | 1 13 | 25 11 | 1 45 | 20 38 | 2 25 | 14 10 | 0 54 | 0 49 | 2 18 | 23 47 | 0 16 | 8 23 | 1 9 | 4 35 | 16 42 | 11 11 | 10 34 | 19 3 | 6 57 | 1 49 |
| T 17 | 20 48 | 17 27 | 2 36 | 16 16 | 1 6 | 25 10 | 1 46 | 20 37 | 2 28 | 14 9 | 0 54 | 0 51 | 2 18 | 23 47 | 0 16 | 8 23 | 1 9 | 4 35 | 16 41 | 11 10 | 10 32 | 19 3 | 7 0 | 1 49 |
| F 18 | 21 0 | 18 43 | 3 28 | 16 47 | 0 59 | 25 8 | 1 47 | 20 36 | 2 30 | 14 8 | 0 55 | 0 53 | 2 18 | 23 47 | 0 16 | 8 23 | 1 9 | 4 35 | 16 41 | 11 8 | 10 31 | 19 3 | 7 2 | 1 49 |
| S 19 | 21 11 | 19 8 | 4 11 | 17 18 | 0 52 | 25 5 | 1 49 | 20 36 | 2 32 | 14 8 | 0 55 | 0 54 | 2 18 | 23 47 | 0 16 | 8 23 | 1 9 | 4 35 | 16 41 | 11 6 | 10 30 | 19 3 | 7 5 | 1 48 |
| S 20 | 21 22 | 18 44 | 4 43 | 17 49 | 0 45 | 25 1 | 1 50 | 20 35 | 2 35 | 14 7 | 0 55 | 0 56 | 2 18 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 41 | 11 3 | 10 29 | 19 3 | 7 7 | 1 48 |
| M21 | 21 32 | 17 30 | 5 3 | 18 19 | 0 38 | 24 57 | 1 51 | 20 35 | 2 37 | 14 6 | 0 55 | 0 58 | 2 19 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 40 | 11 1 | 10 28 | 19 3 | 7 10 | 1 48 |
| T 22 | 21 42 | 15 31 | 5 10 | 18 48 | 0 30 | 24 52 | 1 52 | 20 36 | 2 40 | 14 6 | 0 56 | 1 0 | 2 19 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 40 | 10 58 | 10 27 | 19 3 | 7 12 | 1 48 |
| W23 | 21 52 | 12 50 | 5 3 | 19 16 | 0 23 | 24 46 | 1 53 | 20 36 | 2 42 | 14 5 | 0 56 | 1 1 | 2 19 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 40 | 10 56 | 10 26 | 19 3 | 7 15 | 1 48 |
| T 24 | 22 1 | 9 34 | 4 43 | 19 43 | 0 16 | 24 39 | 1 54 | 20 36 | 2 44 | 14 5 | 0 56 | 1 3 | 2 19 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 40 | 10 55 | 10 24 | 19 3 | 7 17 | 1 48 |
| F 25 | 22 10 | 5 49 | 4 9 | 20 10 | 0 9 | 24 32 | 1 55 | 20 37 | 2 47 | 14 5 | 0 56 | 1 4 | 2 20 | 23 47 | 0 16 | 8 23 | 1 8 | 4 35 | 16 39 | 10 54 | 10 23 | 19 2 | 7 19 | 1 48 |
| S 26 | 22 18 | 1 42 | 3 21 | 20 36 | 0 2 | 24 24 | 1 56 | 20 38 | 2 49 | 14 5 | 0 57 | 1 6 | 2 20 | 23 47 | 0 16 | 8 22 | 1 8 | 4 35 | 16 39 | 10 54 | 10 22 | 19 2 | 7 21 | 1 47 |
| S 27 | 22 26 | 2n37 | 2 22 | 21 1 | 0s 5 | 24 15 | 1 56 | 20 39 | 2 52 | 14 4 | 0 57 | 1 8 | 2 20 | 23 47 | 0 16 | 8 22 | 1 8 | 4 35 | 16 39 | 10 55 | 10 21 | 19 2 | 7 24 | 1 47 |
| M28 | 22 34 | 6 57 | 1 13 | 21 25 | 0 12 | 24 5 | 1 57 | 20 40 | 2 54 | 14 4 | 0 57 | 1 9 | 2 20 | 23 47 | 0 16 | 8 22 | 1 8 | 4 35 | 16 39 | 10 55 | 10 20 | 19 2 | 7 26 | 1 47 |
| T 29 | 22 41 | 11 4 | 0s 3 | 21 48 | 0 18 | 23 55 | 1 58 | 20 42 | 2 57 | 14 4 | 0 57 | 1 11 | 2 20 | 23 47 | 0 16 | 8 22 | 1 8 | 4 35 | 16 38 | 10 56 | 10 19 | 19 2 | 7 28 | 1 47 |
| W30 | 22s47 | 14n39 | 1s21 | 22s10 | 0s25 | 23s44 | 1s58 | 20n44 | 3n 0 | 14n 4 | 0n58 | 1s12 | 2n21 | 23n47 | 0n16 | 8s22 | 1s 8 | 4s35 | 16s38 | 10s55 | 10s18 | 19s 2 | 7s30 | 1s47 |

Julian Day Number = 2218832.5, Delta T = 08m50s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'10, Lahiri = 14°58'10 Julian Calendar 1 Nov. 1362 == Greg. Calendar 9 Nov. 1362


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# ASTRODIENST EPHEMERIS for the year 1362
# geocentric

## DECEMBER 1362 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 10 21 | 17♐ 5'48 | 28♉24 | 9♐46 | 22♊43 | 9♌51 | 25♌12 | 8♎30 | 0°R38 | 11♓25 | 28°R29 | 28°R17 | 26♎33 | 21♐11 | 14♎56 | T 1 |
| F 2 | 5 14 18 | 18° 6'54 | 13♊39 | 11°19 | 23°56 | 9°53 | 25°13 | 8°34 | 0♋36 | 11°26 | 28♈29 | 28♎12 | 26°29 | 21°18 | 15° 1 | F 2 |
| S 3 | 5 18 15 | 19° 8'01 | 28°59 | 12°53 | 25° 9 | 9°R53 | 25°R13 | 8°38 | 0°33 | 11°26 | 28°28 | 28° 5 | 26°26 | 21°24 | 15° 7 | S 3 |
| S 4 | 5 22 11 | 20° 9'08 | 14♋15 | 14°27 | 26°23 | 9°52 | 25°13 | 8°42 | 0°30 | 11°27 | 28°27 | 27°56 | 26°23 | 21°31 | 15°13 | S 4 |
| M 5 | 5 26 8 | 21°10'16 | 29°15 | 16° 1 | 27°36 | 9°51 | 25°12 | 8°45 | 0°28 | 11°28 | 28°27 | 27°48 | 26°20 | 21°38 | 15°18 | M 5 |
| T 6 | 5 30 4 | 22°11'24 | 13♌51 | 17°35 | 28°49 | 9°49 | 25°12 | 8°49 | 0°25 | 11°28 | 28°26 | 27°41 | 26°17 | 21°44 | 15°23 | T 6 |
| W 7 | 5 34 1 | 23°12'33 | 27°58 | 19° 9 | 0♒ 2 | 9°46 | 25°11 | 8°53 | 0°23 | 11°29 | 28°26 | 27°36 | 26°14 | 21°51 | 15°29 | W 7 |
| T 8 | 5 37 57 | 24°13'43 | 11♍36 | 20°44 | 1°15 | 9°43 | 25°10 | 8°56 | 0°20 | 11°30 | 28°25 | 27°33 | 26°10 | 21°58 | 15°34 | T 8 |
| F 9 | 5 41 54 | 25°14'53 | 24°45 | 22°18 | 2°28 | 9°38 | 25° 9 | 9° 0 | 0°18 | 11°31 | 28°24 | 27°D32 | 26° 7 | 22° 4 | 15°39 | F 9 |
| S 10 | 5 45 50 | 26°16'03 | 7♎30 | 23°53 | 3°40 | 9°33 | 25° 8 | 9° 3 | 0°15 | 11°32 | 28°24 | 27°32 | 26° 4 | 22°11 | 15°44 | S 10 |
| S 11 | 5 49 47 | 27°17'15 | 19°55 | 25°29 | 4°53 | 9°27 | 25° 7 | 9° 6 | 0°13 | 11°33 | 28°23 | 27°33 | 26° 1 | 22°18 | 15°49 | S 11 |
| M12 | 5 53 44 | 28°18'26 | 2♏ 5 | 27° 4 | 6° 6 | 9°20 | 25° 5 | 9° 9 | 0°10 | 11°33 | 28°23 | 27°R33 | 25°58 | 22°25 | 15°53 | M12 |
| T 13 | 5 57 40 | 29°19'38 | 14° 4 | 28°40 | 7°19 | 9°12 | 25° 3 | 9°12 | 0° 7 | 11°34 | 28°22 | 27°32 | 25°55 | 22°31 | 15°58 | T 13 |
| W14 | 6 1 37 | 0♑20'50 | 25°57 | 0♑16 | 8°31 | 9° 4 | 25° 1 | 9°15 | 0° 5 | 11°35 | 28°22 | 27°28 | 25°51 | 22°38 | 16° 3 | W14 |
| T 15 | 6 5 33 | 1°22'03 | 7♐47 | 1°53 | 9°44 | 8°54 | 24°59 | 9°18 | 0° 2 | 11°36 | 28°21 | 27°21 | 25°48 | 22°45 | 16° 7 | T 15 |
| F 16 | 6 9 30 | 2°23'16 | 19°37 | 3°30 | 10°56 | 8°44 | 24°57 | 9°21 | 29♊59 | 11°37 | 28°21 | 27°11 | 25°45 | 22°51 | 16°12 | F 16 |
| S 17 | 6 13 26 | 3°24'28 | 1♑28 | 5° 7 | 12° 9 | 8°33 | 24°54 | 9°23 | 29°57 | 11°38 | 28°21 | 26°59 | 25°42 | 22°58 | 16°16 | S 17 |
| S 18 | 6 17 23 | 4°25'41 | 13°22 | 6°45 | 13°21 | 8°21 | 24°51 | 9°26 | 29°54 | 11°40 | 28°20 | 26°46 | 25°39 | 23° 5 | 16°20 | S 18 |
| M19 | 6 21 19 | 5°26'54 | 25°20 | 8°23 | 14°34 | 8° 8 | 24°48 | 9°28 | 29°52 | 11°41 | 28°20 | 26°32 | 25°35 | 23°12 | 16°24 | M19 |
| T 20 | 6 25 16 | 6°28'06 | 7♒24 | 10° 1 | 15°46 | 7°55 | 24°45 | 9°31 | 29°49 | 11°42 | 28°20 | 26°19 | 25°32 | 23°18 | 16°28 | T 20 |
| W21 | 6 29 13 | 7°29'18 | 19°35 | 11°40 | 16°58 | 7°40 | 24°42 | 9°33 | 29°47 | 11°43 | 28°19 | 26° 8 | 25°29 | 23°25 | 16°32 | W21 |
| T 22 | 6 33 9 | 8°30'30 | 1♓55 | 13°19 | 18°10 | 7°25 | 24°38 | 9°35 | 29°44 | 11°44 | 28°19 | 26° 0 | 25°26 | 23°32 | 16°36 | T 22 |
| F 23 | 6 37 6 | 9°31'41 | 14°27 | 14°58 | 19°22 | 7°10 | 24°34 | 9°37 | 29°42 | 11°46 | 28°19 | 25°55 | 25°23 | 23°38 | 16°39 | F 23 |
| S 24 | 6 41 2 | 10°32'51 | 27°14 | 16°38 | 20°34 | 6°53 | 24°31 | 9°39 | 29°39 | 11°47 | 28°18 | 25°52 | 25°20 | 23°45 | 16°43 | S 24 |
| S 25 | 6 44 59 | 11°34'01 | 10♈19 | 18°18 | 21°46 | 6°36 | 24°26 | 9°41 | 29°37 | 11°48 | 28°18 | 25°D51 | 25°16 | 23°52 | 16°46 | S 25 |
| M26 | 6 48 55 | 12°35'10 | 23°47 | 19°59 | 22°58 | 6°18 | 24°22 | 9°43 | 29°34 | 11°50 | 28°18 | 25°R51 | 25°13 | 23°58 | 16°50 | M26 |
| T 27 | 6 52 52 | 13°36'19 | 7♉39 | 21°40 | 24° 9 | 6° 0 | 24°18 | 9°44 | 29°32 | 11°51 | 28°18 | 25°51 | 25°10 | 24° 5 | 16°53 | T 27 |
| W28 | 6 56 48 | 14°37'27 | 21°57 | 23°21 | 25°21 | 5°41 | 24°13 | 9°46 | 29°29 | 11°52 | 28°18 | 25°49 | 25° 7 | 24°12 | 16°56 | W28 |
| T 29 | 7 0 45 | 15°38'34 | 6♊39 | 25° 2 | 26°32 | 5°21 | 24° 8 | 9°47 | 29°27 | 11°54 | 28°17 | 25°44 | 25° 4 | 24°19 | 16°59 | T 29 |
| F 30 | 7 4 42 | 16°39'40 | 21°41 | 26°43 | 27°44 | 5° 1 | 24° 4 | 9°49 | 29°24 | 11°55 | 28°17 | 25°37 | 25° 1 | 24°25 | 17° 2 | F 30 |
| S 31 | 7 8 38 | 17♑40'46 | 6♋55 | 28♑24 | 28♒55 | 4♌40 | 23♌59 | 9♎50 | 29♊22 | 11♓57 | 28♈17 | 25♎26 | 24♎57 | 24♐32 | 17♎ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s53 | 17n21 | 2s35 | 22s31 | 0s32 | 23s33 | 1s58 | 20n46 | 3n 2 | 14n 4 | 0n58 | 1s13 | 2n21 | 23n47 | 0n16 | 8s21 | 1s 8 | 4s35 | 16s38 | 10s54 | 10s16 | 19s 2 | 7s32 | 1s47 | T 1 |
| F 2 | 22 59 | 18 53 | 3 39 | 22 50 | 0 38 | 23 20 | 1 59 | 20 48 | 3 5 | 14 4 | 0 58 | 1 15 | 2 21 | 23 47 | 0 16 | 8 21 | 1 8 | 4 35 | 16 38 | 10 52 | 10 15 | 19 2 | 7 35 | 1 47 | F 2 |
| S 3 | 23 4 | 19 3 | 4 28 | 23 9 | 0 44 | 23 7 | 1 59 | 20 50 | 3 7 | 14 5 | 0 58 | 1 16 | 2 21 | 23 47 | 0 16 | 8 21 | 1 8 | 4 35 | 16 37 | 10 50 | 10 14 | 19 2 | 7 37 | 1 47 | S 3 |
| S 4 | 23 9 | 17 49 | 4 58 | 23 26 | 0 50 | 22 54 | 1 59 | 20 53 | 3 10 | 14 5 | 0 59 | 1 17 | 2 22 | 23 47 | 0 16 | 8 21 | 1 8 | 4 35 | 16 37 | 10 47 | 10 13 | 19 2 | 7 39 | 1 46 | S 4 |
| M 5 | 23 13 | 15 23 | 5 6 | 23 43 | 0 56 | 22 39 | 1 59 | 20 56 | 3 13 | 14 5 | 0 59 | 1 19 | 2 22 | 23 47 | 0 16 | 8 20 | 1 8 | 4 35 | 16 37 | 10 44 | 10 12 | 19 2 | 7 41 | 1 46 | M 5 |
| T 6 | 23 17 | 12 1 | 4 54 | 23 58 | 1 2 | 22 24 | 1 59 | 20 59 | 3 15 | 14 6 | 0 59 | 1 20 | 2 22 | 23 47 | 0 16 | 8 20 | 1 8 | 4 35 | 16 36 | 10 41 | 10 11 | 19 2 | 7 43 | 1 46 | T 6 |
| W 7 | 23 21 | 8 5 | 4 25 | 24 12 | 1 8 | 22 9 | 1 59 | 21 2 | 3 18 | 14 6 | 1 0 | 1 21 | 2 22 | 23 47 | 0 16 | 8 20 | 1 8 | 4 35 | 16 36 | 10 39 | 10 9 | 19 2 | 7 45 | 1 46 | W 7 |
| T 8 | 23 24 | 3 50 | 3 41 | 24 25 | 1 13 | 21 52 | 1 58 | 21 6 | 3 20 | 14 7 | 1 0 | 1 22 | 2 23 | 23 47 | 0 16 | 8 19 | 1 8 | 4 35 | 16 36 | 10 38 | 10 8 | 19 1 | 7 46 | 1 46 | T 8 |
| F 9 | 23 26 | 0s27 | 2 46 | 24 36 | 1 18 | 21 36 | 1 58 | 21 9 | 3 23 | 14 7 | 1 0 | 1 23 | 2 23 | 23 47 | 0 16 | 8 19 | 1 8 | 4 35 | 16 36 | 10 38 | 10 7 | 19 1 | 7 48 | 1 46 | F 9 |
| S 10 | 23 28 | 4 36 | 1 45 | 24 46 | 1 23 | 21 18 | 1 58 | 21 13 | 3 26 | 14 8 | 1 0 | 1 24 | 2 23 | 23 47 | 0 16 | 8 19 | 1 8 | 4 35 | 16 35 | 10 38 | 10 6 | 19 1 | 7 50 | 1 46 | S 10 |
| S 11 | 23 29 | 8 27 | 0 41 | 24 55 | 1 28 | 21 0 | 1 57 | 21 17 | 3 28 | 14 9 | 1 1 | 1 25 | 2 23 | 23 47 | 0 16 | 8 18 | 1 8 | 4 35 | 16 35 | 10 38 | 10 5 | 19 1 | 7 52 | 1 46 | S 11 |
| M12 | 23 31 | 11 51 | 0n24 | 25 2 | 1 33 | 20 41 | 1 56 | 21 22 | 3 31 | 14 10 | 1 1 | 1 26 | 2 24 | 23 47 | 0 16 | 8 18 | 1 8 | 4 35 | 16 35 | 10 38 | 10 4 | 19 1 | 7 54 | 1 45 | M12 |
| T 13 | 23 31 | 14 44 | 1 27 | 25 8 | 1 37 | 20 22 | 1 56 | 21 26 | 3 33 | 14 10 | 1 1 | 1 27 | 2 24 | 23 47 | 0 16 | 8 17 | 1 8 | 4 34 | 16 34 | 10 38 | 10 3 | 19 1 | 7 55 | 1 45 | T 13 |
| W14 | 23 31 | 16 57 | 2 25 | 25 12 | 1 41 | 20 2 | 1 55 | 21 31 | 3 36 | 14 11 | 1 1 | 1 28 | 2 24 | 23 47 | 0 16 | 8 17 | 1 8 | 4 34 | 16 34 | 10 36 | 10 1 | 19 1 | 7 57 | 1 45 | W14 |
| T 15 | 23 31 | 18 26 | 3 17 | 25 15 | 1 45 | 19 42 | 1 54 | 21 36 | 3 38 | 14 12 | 1 2 | 1 29 | 2 25 | 23 47 | 0 16 | 8 17 | 1 8 | 4 34 | 16 34 | 10 34 | 10 0 | 19 1 | 7 59 | 1 45 | T 15 |
| F 16 | 23 30 | 19 7 | 4 0 | 25 17 | 1 49 | 19 21 | 1 53 | 21 41 | 3 41 | 14 13 | 1 2 | 1 30 | 2 25 | 23 47 | 0 16 | 8 16 | 1 8 | 4 34 | 16 33 | 10 30 | 9 59 | 19 0 | 8 0 | 1 45 | F 16 |
| S 17 | 23 29 | 18 58 | 4 33 | 25 17 | 1 52 | 19 0 | 1 52 | 21 47 | 3 43 | 14 14 | 1 2 | 1 31 | 2 25 | 23 47 | 0 16 | 8 16 | 1 8 | 4 34 | 16 33 | 10 26 | 9 58 | 19 0 | 8 2 | 1 45 | S 17 |
| S 18 | 23 27 | 17 59 | 4 53 | 25 16 | 1 55 | 18 38 | 1 51 | 21 52 | 3 46 | 14 16 | 1 2 | 1 31 | 2 25 | 23 47 | 0 16 | 8 15 | 1 8 | 4 34 | 16 33 | 10 21 | 9 57 | 19 0 | 8 3 | 1 45 | S 18 |
| M19 | 23 24 | 16 12 | 5 1 | 25 13 | 1 58 | 18 16 | 1 49 | 21 58 | 3 48 | 14 17 | 1 3 | 1 32 | 2 26 | 23 47 | 0 16 | 8 15 | 1 8 | 4 33 | 16 32 | 10 16 | 9 56 | 19 0 | 8 5 | 1 45 | M19 |
| T 20 | 23 22 | 13 43 | 4 56 | 25 8 | 2 0 | 17 53 | 1 48 | 22 4 | 3 51 | 14 18 | 1 3 | 1 33 | 2 26 | 23 47 | 0 16 | 8 14 | 1 8 | 4 33 | 16 32 | 10 11 | 9 54 | 19 0 | 8 6 | 1 45 | T 20 |
| W21 | 23 18 | 10 36 | 4 37 | 25 2 | 2 2 | 17 30 | 1 46 | 22 10 | 3 53 | 14 20 | 1 3 | 1 33 | 2 26 | 23 47 | 0 16 | 8 14 | 1 8 | 4 33 | 16 32 | 10 7 | 9 53 | 19 0 | 8 8 | 1 44 | W21 |
| T 22 | 23 15 | 7 1 | 4 5 | 24 54 | 2 4 | 17 6 | 1 45 | 22 16 | 3 55 | 14 21 | 1 3 | 1 34 | 2 26 | 23 47 | 0 16 | 8 13 | 1 8 | 4 33 | 16 31 | 10 4 | 9 52 | 19 0 | 8 9 | 1 44 | T 22 |
| F 23 | 23 11 | 3 3 | 3 21 | 24 45 | 2 5 | 16 42 | 1 43 | 22 22 | 3 58 | 14 22 | 1 4 | 1 35 | 2 27 | 23 47 | 0 16 | 8 13 | 1 8 | 4 33 | 16 31 | 10 3 | 9 51 | 19 0 | 8 10 | 1 44 | F 23 |
| S 24 | 23 6 | 1n 7 | 2 25 | 24 34 | 2 6 | 16 17 | 1 41 | 22 29 | 4 0 | 14 24 | 1 4 | 1 35 | 2 27 | 23 47 | 0 16 | 8 12 | 1 7 | 4 32 | 16 31 | 10 2 | 9 50 | 18 59 | 8 11 | 1 44 | S 24 |
| S 25 | 23 1 | 5 21 | 1 21 | 24 21 | 2 6 | 15 52 | 1 39 | 22 35 | 4 2 | 14 26 | 1 4 | 1 35 | 2 27 | 23 47 | 0 16 | 8 12 | 1 7 | 4 32 | 16 30 | 10 1 | 9 49 | 18 59 | 8 13 | 1 44 | S 25 |
| M26 | 22 55 | 9 26 | 0 11 | 24 7 | 2 6 | 15 27 | 1 37 | 22 42 | 4 4 | 14 27 | 1 4 | 1 36 | 2 28 | 23 47 | 0 16 | 8 11 | 1 7 | 4 32 | 16 30 | 10 1 | 9 47 | 18 59 | 8 14 | 1 44 | M26 |
| T 27 | 22 49 | 13 8 | 1s 2 | 23 50 | 2 6 | 15 1 | 1 35 | 22 48 | 4 6 | 14 29 | 1 5 | 1 36 | 2 28 | 23 47 | 0 16 | 8 11 | 1 7 | 4 32 | 16 30 | 10 1 | 9 46 | 18 59 | 8 15 | 1 44 | T 27 |
| W28 | 22 43 | 16 10 | 2 13 | 23 33 | 2 5 | 14 35 | 1 33 | 22 55 | 4 8 | 14 31 | 1 5 | 1 37 | 2 28 | 23 47 | 0 16 | 8 10 | 1 7 | 4 31 | 16 29 | 10 0 | 9 45 | 18 59 | 8 16 | 1 44 | W28 |
| T 29 | 22 36 | 18 15 | 3 18 | 23 13 | 2 4 | 14 8 | 1 31 | 23 2 | 4 10 | 14 33 | 1 5 | 1 37 | 2 28 | 23 47 | 0 16 | 8 10 | 1 7 | 4 31 | 16 29 | 9 59 | 9 44 | 18 59 | 8 17 | 1 43 | T 29 |
| F 30 | 22 29 | 19 6 | 4 10 | 22 52 | 2 2 | 13 41 | 1 29 | 23 9 | 4 12 | 14 34 | 1 5 | 1 37 | 2 29 | 23 47 | 0 16 | 8 9 | 1 7 | 4 31 | 16 28 | 9 56 | 9 43 | 18 58 | 8 18 | 1 43 | F 30 |
| S 31 | 22s21 | 18n36 | 4s45 | 22s29 | 1s59 | 13s14 | 1s26 | 23n15 | 4n13 | 14n36 | 1n 6 | 1s37 | 2n29 | 23n47 | 0n16 | 8s 8 | 1s 7 | 4s30 | 16s28 | 9s52 | 9s42 | 18s58 | 8s19 | 1s43 | S 31 |

Julian Day Number = 2218862.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'14, Lahiri = 14°58'14 Julian Calendar 1 Dec. 1362 == Greg. Calendar 9 Dec. 1362


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## JANUARY 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 12 35 | 18♉41'51 | 22♋10 | 0♒ 5 | 0♓ 6 | 4°R19 | 23°R53 | 9♎51 | 29°R19 | 11♓58 | 28°R17 | 25°R15 | 24♎54 | 24♐39 | 17♎ 7 | S 1 |
| M 2 | 7 16 31 | 19°42'56 | 7♌15 | 1°46 | 1°17 | 3♌57 | 23♌48 | 9°52 | 29♊17 | 12° 0 | 28♈17 | 25♎ 3 | 24°51 | 24°45 | 17°10 | M 2 |
| T 3 | 7 20 28 | 20°44'00 | 22° 0 | 3°27 | 2°28 | 3°35 | 23°42 | 9°53 | 29°15 | 12° 1 | 28°17 | 24°53 | 24°48 | 24°52 | 17°12 | T 3 |
| W 4 | 7 24 24 | 21°45'03 | 6♍18 | 5° 7 | 3°39 | 3°12 | 23°37 | 9°53 | 29°12 | 12° 3 | 28°D17 | 24°44 | 24°45 | 24°59 | 17°15 | W 4 |
| T 5 | 7 28 21 | 22°46'06 | 20° 6 | 6°46 | 4°49 | 2°49 | 23°31 | 9°54 | 29°10 | 12° 5 | 28°17 | 24°39 | 24°41 | 25° 5 | 17°17 | T 5 |
| F 6 | 7 32 17 | 23°47'08 | 3♎23 | 8°24 | 6° 0 | 2°26 | 23°25 | 9°55 | 29° 8 | 12° 6 | 28°17 | 24°36 | 24°38 | 25°12 | 17°19 | F 6 |
| S 7 | 7 36 14 | 24°48'10 | 16°14 | 10° 1 | 7°10 | 2° 3 | 23°19 | 9°55 | 29° 5 | 12° 8 | 28°17 | 24°35 | 24°35 | 25°19 | 17°21 | S 7 |
| S 8 | 7 40 11 | 25°49'11 | 28°41 | 11°36 | 8°20 | 1°39 | 23°13 | 9°56 | 29° 3 | 12° 9 | 28°17 | 24°35 | 24°32 | 25°26 | 17°23 | S 8 |
| M 9 | 7 44 7 | 26°50'12 | 10♏51 | 13° 9 | 9°31 | 1°15 | 23° 6 | 9°56 | 29° 1 | 12°11 | 28°17 | 24°34 | 24°29 | 25°32 | 17°25 | M 9 |
| T 10 | 7 48 4 | 27°51'12 | 22°49 | 14°40 | 10°41 | 0°51 | 23° 0 | 9°56 | 28°59 | 12°13 | 28°17 | 24°32 | 24°26 | 25°39 | 17°26 | T 10 |
| W11 | 7 52 0 | 28°52'11 | 4♐40 | 16° 7 | 11°51 | 0°27 | 22°53 | 9°R56 | 28°57 | 12°15 | 28°18 | 24°28 | 24°22 | 25°46 | 17°28 | W11 |
| T 12 | 7 55 57 | 29°53'10 | 16°29 | 17°31 | 13° 0 | 0° 3 | 22°46 | 9°56 | 28°54 | 12°16 | 28°18 | 24°21 | 24°19 | 25°52 | 17°29 | T 12 |
| F 13 | 7 59 53 | 0♒54'08 | 28°18 | 18°51 | 14°10 | 29♋39 | 22°40 | 9°56 | 28°52 | 12°18 | 28°18 | 24°10 | 24°16 | 25°59 | 17°30 | F 13 |
| S 14 | 8 3 50 | 1°55'04 | 10♉12 | 20° 5 | 15°19 | 29°15 | 22°33 | 9°55 | 28°50 | 12°20 | 28°18 | 23°58 | 24°13 | 26° 6 | 17°31 | S 14 |
| S 15 | 8 7 46 | 2°56'00 | 22°12 | 21°14 | 16°29 | 28°51 | 22°26 | 9°55 | 28°48 | 12°22 | 28°18 | 23°43 | 24°10 | 26°13 | 17°32 | S 15 |
| M16 | 8 11 43 | 3°56'55 | 4♒20 | 22°16 | 17°38 | 28°27 | 22°18 | 9°54 | 28°46 | 12°24 | 28°19 | 23°29 | 24° 7 | 26°19 | 17°33 | M16 |
| T 17 | 8 15 40 | 4°57'49 | 16°35 | 23°11 | 18°47 | 28° 4 | 22°11 | 9°54 | 28°44 | 12°26 | 28°19 | 23°15 | 24° 3 | 26°26 | 17°34 | T 17 |
| W18 | 8 19 36 | 5°58'41 | 28°59 | 23°57 | 19°56 | 27°41 | 22° 4 | 9°53 | 28°42 | 12°28 | 28°19 | 23° 3 | 24° 0 | 26°33 | 17°35 | W18 |
| T 19 | 8 23 33 | 6°59'32 | 11♓33 | 24°35 | 21° 4 | 27°18 | 21°57 | 9°52 | 28°40 | 12°29 | 28°20 | 22°53 | 23°57 | 26°39 | 17°35 | T 19 |
| F 20 | 8 27 29 | 8° 0'22 | 24°17 | 25° 4 | 22°13 | 26°55 | 21°49 | 9°51 | 28°39 | 12°31 | 28°20 | 22°47 | 23°54 | 26°46 | 17°36 | F 20 |
| S 21 | 8 31 26 | 9° 1'10 | 7♈13 | 25°22 | 23°21 | 26°33 | 21°42 | 9°50 | 28°37 | 12°33 | 28°20 | 22°44 | 23°51 | 26°53 | 17°36 | S 21 |
| S 22 | 8 35 22 | 10° 1'56 | 20°23 | 25°R29 | 24°29 | 26°11 | 21°34 | 9°49 | 28°35 | 12°35 | 28°21 | 22°D43 | 23°47 | 26°59 | 17°36 | S 22 |
| M23 | 8 39 19 | 11° 2'41 | 3♉49 | 25°26 | 25°37 | 25°50 | 21°26 | 9°48 | 28°33 | 12°37 | 28°21 | 22°43 | 23°44 | 27° 6 | 17°R36 | M23 |
| T 24 | 8 43 15 | 12° 3'25 | 17°33 | 25°12 | 26°45 | 25°29 | 21°19 | 9°47 | 28°32 | 12°39 | 28°21 | 22°R43 | 23°41 | 27°13 | 17°36 | T 24 |
| W25 | 8 47 12 | 13° 4'06 | 1♊37 | 24°47 | 27°52 | 25° 9 | 21°11 | 9°45 | 28°30 | 12°41 | 28°22 | 22°42 | 23°38 | 27°20 | 17°36 | W25 |
| T 26 | 8 51 9 | 14° 4'46 | 16° 0 | 24°13 | 28°59 | 24°49 | 21° 3 | 9°44 | 28°28 | 12°43 | 28°22 | 22°38 | 23°35 | 27°26 | 17°36 | T 26 |
| F 27 | 8 55 5 | 15° 5'25 | 0♋40 | 23°29 | 0♈ 6 | 24°30 | 20°55 | 9°42 | 28°27 | 12°45 | 28°23 | 22°32 | 23°32 | 27°33 | 17°35 | F 27 |
| S 28 | 8 59 2 | 16° 6'01 | 15°31 | 22°37 | 1°13 | 24°11 | 20°47 | 9°40 | 28°25 | 12°48 | 28°23 | 22°24 | 23°28 | 27°40 | 17°35 | S 28 |
| S 29 | 9 2 58 | 17° 6'36 | 0♌26 | 21°39 | 2°20 | 23°53 | 20°40 | 9°38 | 28°24 | 12°50 | 28°24 | 22°14 | 23°25 | 27°46 | 17°34 | S 29 |
| M30 | 9 6 55 | 18° 7'09 | 15°16 | 20°35 | 3°26 | 23°36 | 20°32 | 9°36 | 28°22 | 12°52 | 28°24 | 22° 3 | 23°22 | 27°53 | 17°33 | M30 |
| T 31 | 9 10 51 | 19♒ 7'41 | 29♌52 | 19♒29 | 4♈32 | 23♋19 | 20♌24 | 9♎34 | 28♊21 | 12♓54 | 28♈25 | 21♎54 | 23♎19 | 28♐ 0 | 17♎33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s13 | 16n45 | 5s 0 | 22s 5 | 1s56 | 12s47 | 1s23 | 23n22 | 4n15 | 14n38 | 1n 6 | 1s38 | 2n29 | 23n47 | 0n16 | 8s 8 | 1s 7 | 4s30 | 16s28 | 9s48 | 9s40 | 18s58 | 8s20 | 1s43 |
| M 2 | 22 4 | 13 47 | 4 54 | 21 39 | 1 52 | 12 19 | 1 21 | 23 29 | 4 17 | 14 40 | 1 6 | 1 38 | 2 30 | 23 47 | 0 16 | 8 7 | 1 7 | 4 30 | 16 27 | 9 44 | 9 39 | 18 58 | 8 21 | 1 43 |
| T 3 | 21 55 | 10 0 | 4 28 | 21 12 | 1 48 | 11 51 | 1 18 | 23 36 | 4 18 | 14 42 | 1 6 | 1 38 | 2 30 | 23 47 | 0 16 | 8 7 | 1 7 | 4 30 | 16 27 | 9 40 | 9 38 | 18 58 | 8 22 | 1 43 |
| W 4 | 21 45 | 5 44 | 3 46 | 20 43 | 1 42 | 11 22 | 1 15 | 23 42 | 4 19 | 14 44 | 1 7 | 1 38 | 2 30 | 23 47 | 0 16 | 8 6 | 1 7 | 4 29 | 16 27 | 9 37 | 9 37 | 18 57 | 8 22 | 1 43 |
| T 5 | 21 35 | 1 19 | 2 51 | 20 12 | 1 37 | 10 54 | 1 12 | 23 49 | 4 21 | 14 47 | 1 7 | 1 38 | 2 30 | 23 47 | 0 16 | 8 5 | 1 7 | 4 29 | 16 26 | 9 35 | 9 36 | 18 57 | 8 23 | 1 43 |
| F 6 | 21 25 | 3s 2 | 1 50 | 19 40 | 1 30 | 10 25 | 1 9 | 23 56 | 4 22 | 14 49 | 1 7 | 1 38 | 2 31 | 23 47 | 0 16 | 8 5 | 1 7 | 4 29 | 16 26 | 9 34 | 9 35 | 18 57 | 8 24 | 1 42 |
| S 7 | 21 14 | 7 5 | 0 44 | 19 7 | 1 23 | 9 56 | 1 6 | 24 2 | 4 23 | 14 51 | 1 7 | 1 38 | 2 31 | 23 47 | 0 16 | 8 4 | 1 7 | 4 28 | 16 26 | 9 33 | 9 33 | 18 57 | 8 25 | 1 42 |
| S 8 | 21 3 | 10 42 | 0n22 | 18 33 | 1 15 | 9 26 | 1 3 | 24 9 | 4 24 | 14 53 | 1 7 | 1 38 | 2 31 | 23 47 | 0 16 | 8 3 | 1 7 | 4 28 | 16 25 | 9 33 | 9 32 | 18 57 | 8 25 | 1 42 |
| M 9 | 20 52 | 13 47 | 1 25 | 17 58 | 1 6 | 8 57 | 0 59 | 24 15 | 4 25 | 14 56 | 1 8 | 1 37 | 2 32 | 23 47 | 0 16 | 8 3 | 1 7 | 4 27 | 16 25 | 9 33 | 9 31 | 18 56 | 8 26 | 1 42 |
| T 10 | 20 40 | 16 14 | 2 23 | 17 23 | 0 56 | 8 27 | 0 56 | 24 21 | 4 26 | 14 58 | 1 8 | 1 37 | 2 32 | 23 47 | 0 16 | 8 2 | 1 7 | 4 27 | 16 25 | 9 32 | 9 30 | 18 56 | 8 26 | 1 42 |
| W11 | 20 27 | 17 57 | 3 15 | 16 46 | 0 45 | 7 57 | 0 53 | 24 27 | 4 26 | 15 0 | 1 8 | 1 37 | 2 32 | 23 47 | 0 16 | 8 1 | 1 7 | 4 27 | 16 24 | 9 31 | 9 29 | 18 56 | 8 27 | 1 42 |
| T 12 | 20 15 | 18 53 | 3 58 | 16 10 | 0 33 | 7 27 | 0 49 | 24 33 | 4 27 | 15 3 | 1 8 | 1 37 | 2 32 | 23 47 | 0 16 | 8 1 | 1 7 | 4 26 | 16 24 | 9 28 | 9 28 | 18 56 | 8 27 | 1 42 |
| F 13 | 20 1 | 19 0 | 4 30 | 15 34 | 0 21 | 6 57 | 0 45 | 24 38 | 4 27 | 15 5 | 1 8 | 1 36 | 2 33 | 23 47 | 0 16 | 8 0 | 1 7 | 4 26 | 16 23 | 9 24 | 9 26 | 18 56 | 8 27 | 1 42 |
| S 14 | 19 48 | 18 17 | 4 51 | 14 58 | 0 8 | 6 26 | 0 41 | 24 44 | 4 27 | 15 7 | 1 9 | 1 36 | 2 33 | 23 47 | 0 16 | 7 59 | 1 7 | 4 25 | 16 23 | 9 20 | 9 25 | 18 55 | 8 28 | 1 41 |
| S 15 | 19 34 | 16 45 | 5 0 | 14 22 | 0n 6 | 5 56 | 0 38 | 24 49 | 4 28 | 15 10 | 1 9 | 1 36 | 2 33 | 23 47 | 0 16 | 7 59 | 1 7 | 4 25 | 16 23 | 9 14 | 9 24 | 18 55 | 8 28 | 1 41 |
| M16 | 19 20 | 14 28 | 4 54 | 13 48 | 0 21 | 5 25 | 0 34 | 24 54 | 4 28 | 15 12 | 1 9 | 1 35 | 2 34 | 23 47 | 0 16 | 7 58 | 1 7 | 4 25 | 16 22 | 9 9 | 9 23 | 18 55 | 8 28 | 1 41 |
| T 17 | 19 5 | 11 32 | 4 36 | 13 16 | 0 37 | 4 54 | 0 30 | 24 59 | 4 28 | 15 15 | 1 9 | 1 35 | 2 34 | 23 47 | 0 16 | 7 57 | 1 7 | 4 24 | 16 22 | 9 4 | 9 22 | 18 55 | 8 28 | 1 41 |
| W18 | 18 50 | 8 3 | 4 4 | 12 45 | 0 53 | 4 24 | 0 26 | 25 4 | 4 28 | 15 18 | 1 9 | 1 34 | 2 34 | 23 47 | 0 16 | 7 56 | 1 7 | 4 24 | 16 22 | 8 59 | 9 21 | 18 54 | 8 29 | 1 41 |
| T 19 | 18 35 | 4 11 | 3 19 | 12 17 | 1 9 | 3 53 | 0 21 | 25 8 | 4 27 | 15 20 | 1 9 | 1 33 | 2 34 | 23 47 | 0 16 | 7 56 | 1 7 | 4 23 | 16 21 | 8 56 | 9 19 | 18 54 | 8 29 | 1 41 |
| F 20 | 18 20 | 0 4 | 2 25 | 11 51 | 1 26 | 3 22 | 0 17 | 25 13 | 4 27 | 15 23 | 1 10 | 1 33 | 2 35 | 23 47 | 0 16 | 7 55 | 1 7 | 4 23 | 16 21 | 8 54 | 9 18 | 18 54 | 8 29 | 1 41 |
| S 21 | 18 4 | 4n 7 | 1 21 | 11 29 | 1 43 | 2 51 | 0 13 | 25 16 | 4 27 | 15 25 | 1 10 | 1 32 | 2 35 | 23 47 | 0 16 | 7 54 | 1 7 | 4 22 | 16 21 | 8 52 | 9 17 | 18 54 | 8 29 | 1 40 |
| S 22 | 17 47 | 8 11 | 0 12 | 11 11 | 2 0 | 2 19 | 0 8 | 25 20 | 4 26 | 15 28 | 1 10 | 1 31 | 2 35 | 23 47 | 0 16 | 7 53 | 1 7 | 4 22 | 16 20 | 8 52 | 9 16 | 18 53 | 8 29 | 1 40 |
| M23 | 17 31 | 11 55 | 0s59 | 10 56 | 2 17 | 1 48 | 0 4 | 25 24 | 4 25 | 15 30 | 1 10 | 1 31 | 2 35 | 23 47 | 0 16 | 7 53 | 1 7 | 4 22 | 16 20 | 8 52 | 9 15 | 18 53 | 8 28 | 1 40 |
| T 24 | 17 14 | 15 5 | 2 8 | 10 46 | 2 33 | 1 17 | 0n 1 | 25 27 | 4 25 | 15 33 | 1 10 | 1 30 | 2 36 | 23 47 | 0 16 | 7 52 | 1 7 | 4 21 | 16 20 | 8 52 | 9 13 | 18 53 | 8 28 | 1 40 |
| W25 | 16 57 | 17 26 | 3 11 | 10 40 | 2 48 | 0 46 | 0 6 | 25 30 | 4 24 | 15 36 | 1 10 | 1 29 | 2 36 | 23 47 | 0 16 | 7 51 | 1 7 | 4 21 | 16 19 | 8 52 | 9 12 | 18 53 | 8 28 | 1 40 |
| T 26 | 16 40 | 18 45 | 4 4 | 10 38 | 3 2 | 0 15 | 0 10 | 25 33 | 4 23 | 15 38 | 1 10 | 1 28 | 2 36 | 23 47 | 0 16 | 7 50 | 1 7 | 4 20 | 16 19 | 8 50 | 9 11 | 18 52 | 8 28 | 1 40 |
| F 27 | 16 22 | 18 50 | 4 41 | 10 41 | 3 14 | 0n16 | 0 15 | 25 35 | 4 22 | 15 41 | 1 11 | 1 27 | 2 37 | 23 47 | 0 16 | 7 49 | 1 7 | 4 20 | 16 19 | 8 48 | 9 10 | 18 52 | 8 27 | 1 40 |
| S 28 | 16 4 | 17 38 | 5 1 | 10 48 | 3 25 | 0 47 | 0 20 | 25 38 | 4 21 | 15 44 | 1 11 | 1 26 | 2 37 | 23 47 | 0 16 | 7 49 | 1 7 | 4 19 | 16 18 | 8 45 | 9 9 | 18 52 | 8 27 | 1 39 |
| S 29 | 15 46 | 15 15 | 5 0 | 10 58 | 3 33 | 1 18 | 0 25 | 25 40 | 4 20 | 15 46 | 1 11 | 1 26 | 2 37 | 23 47 | 0 16 | 7 48 | 1 7 | 4 19 | 16 18 | 8 41 | 9 8 | 18 52 | 8 27 | 1 39 |
| M30 | 15 27 | 11 52 | 4 39 | 11 12 | 3 40 | 1 50 | 0 30 | 25 42 | 4 19 | 15 49 | 1 11 | 1 25 | 2 37 | 23 47 | 0 16 | 7 47 | 1 7 | 4 18 | 16 18 | 8 37 | 9 6 | 18 51 | 8 26 | 1 39 |
| T 31 | 15s 8 | 7n49 | 3s59 | 11s29 | 3n44 | 2n20 | 0n35 | 25n43 | 4n17 | 15n52 | 1n11 | 1s24 | 2n38 | 23n47 | 0n16 | 7s46 | 1s 7 | 4s18 | 16s17 | 8s34 | 9s 5 | 18s51 | 8s26 | 1s39 |

Julian Day Number = 2218893.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'18, Lahiri = 14°58'19 Julian Calendar 1 Jan. 1363 == Greg. Calendar 9 Jan. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## FEBRUARY 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 14 48 | 20♒ 8'11 | 14♍ 7 | 18°R21 | 5♈38 | 23°R 4 | 20°R16 | 9°R32 | 28°R20 | 12♓56 | 28♈26 | 21°R46 | 23♎16 | 28♐ 7 | 17°R32 | W 1 |
| T 2 | 9 18 44 | 21° 8'40 | 27°56 | 17♒13 | 6°43 | 22♋48 | 20♌ 8 | 9♎30 | 28♊18 | 12°58 | 28°26 | 21♎41 | 23°13 | 28°13 | 17♎30 | T 2 |
| F 3 | 9 22 41 | 22° 9'07 | 11♎18 | 16° 7 | 7°49 | 22°34 | 20° 0 | 9°28 | 28°17 | 13° 0 | 28°27 | 21°39 | 23° 9 | 28°20 | 17°29 | F 3 |
| S 4 | 9 26 38 | 23° 9'33 | 24°14 | 15° 5 | 8°54 | 22°20 | 19°52 | 9°25 | 28°16 | 13° 2 | 28°27 | 21°D38 | 23° 6 | 28°27 | 17°28 | S 4 |
| S 5 | 9 30 34 | 24° 9'57 | 6♏47 | 14° 7 | 9°58 | 22° 7 | 19°44 | 9°23 | 28°15 | 13° 5 | 28°28 | 21°39 | 23° 3 | 28°33 | 17°27 | S 5 |
| M 6 | 9 34 31 | 25°10'20 | 19° 2 | 13°16 | 11° 3 | 21°55 | 19°36 | 9°20 | 28°14 | 13° 7 | 28°29 | 21°40 | 23° 0 | 28°40 | 17°25 | M 6 |
| T 7 | 9 38 27 | 26°10'41 | 1♐ 3 | 12°30 | 12° 7 | 21°44 | 19°29 | 9°18 | 28°13 | 13° 9 | 28°30 | 21°R40 | 22°57 | 28°47 | 17°23 | T 7 |
| W 8 | 9 42 24 | 27°11'01 | 12°56 | 11°51 | 13°11 | 21°33 | 19°21 | 9°15 | 28°12 | 13°11 | 28°30 | 21°38 | 22°53 | 28°54 | 17°22 | W 8 |
| T 9 | 9 46 20 | 28°11'20 | 24°46 | 11°20 | 14°14 | 21°24 | 19°13 | 9°12 | 28°11 | 13°13 | 28°31 | 21°35 | 22°50 | 29° 0 | 17°20 | T 9 |
| F 10 | 9 50 17 | 29°11'37 | 6♑38 | 10°56 | 15°17 | 21°15 | 19° 5 | 9° 9 | 28°10 | 13°16 | 28°32 | 21°29 | 22°47 | 29° 7 | 17°18 | F 10 |
| S 11 | 9 54 13 | 0♓11'53 | 18°35 | 10°39 | 16°20 | 21° 6 | 18°58 | 9° 6 | 28° 9 | 13°18 | 28°33 | 21°21 | 22°44 | 29°14 | 17°16 | S 11 |
| S 12 | 9 58 10 | 1°12'06 | 0♒41 | 10°29 | 17°23 | 20°59 | 18°50 | 9° 3 | 28° 8 | 13°20 | 28°33 | 21°11 | 22°41 | 29°20 | 17°13 | S 12 |
| M13 | 10 2 7 | 2°12'18 | 12°57 | 10°D25 | 18°25 | 20°52 | 18°42 | 9° 0 | 28° 8 | 13°22 | 28°34 | 21° 2 | 22°38 | 29°27 | 17°11 | M13 |
| T 14 | 10 6 3 | 3°12'29 | 25°25 | 10°29 | 19°27 | 20°46 | 18°35 | 8°57 | 28° 7 | 13°25 | 28°35 | 20°53 | 22°34 | 29°34 | 17° 9 | T 14 |
| W15 | 10 10 0 | 4°12'37 | 8♓ 6 | 10°38 | 20°28 | 20°41 | 18°27 | 8°53 | 28° 6 | 13°27 | 28°36 | 20°45 | 22°31 | 29°41 | 17° 6 | W15 |
| T 16 | 10 13 56 | 5°12'44 | 20°59 | 10°54 | 21°29 | 20°37 | 18°20 | 8°50 | 28° 6 | 13°29 | 28°37 | 20°39 | 22°28 | 29°47 | 17° 4 | T 16 |
| F 17 | 10 17 53 | 6°12'48 | 4♈ 3 | 11°14 | 22°30 | 20°34 | 18°13 | 8°46 | 28° 5 | 13°31 | 28°38 | 20°35 | 22°25 | 29°54 | 17° 1 | F 17 |
| S 18 | 10 21 49 | 7°12'51 | 17°20 | 11°40 | 23°30 | 20°31 | 18° 6 | 8°43 | 28° 5 | 13°34 | 28°39 | 20°D34 | 22°22 | 0♑ 1 | 16°58 | S 18 |
| S 19 | 10 25 46 | 8°12'51 | 0♉47 | 12°11 | 24°30 | 20°29 | 17°59 | 8°39 | 28° 4 | 13°36 | 28°39 | 20°34 | 22°18 | 0° 7 | 16°55 | S 19 |
| M20 | 10 29 42 | 9°12'49 | 14°26 | 12°46 | 25°29 | 20°28 | 17°52 | 8°36 | 28° 4 | 13°38 | 28°40 | 20°36 | 22°15 | 0°14 | 16°52 | M20 |
| T 21 | 10 33 39 | 10°12'46 | 28°16 | 13°26 | 26°28 | 20°D27 | 17°45 | 8°32 | 28° 3 | 13°40 | 28°41 | 20°37 | 22°12 | 0°21 | 16°49 | T 21 |
| W22 | 10 37 36 | 11°12'39 | 12♊17 | 14° 9 | 27°26 | 20°28 | 17°38 | 8°28 | 28° 3 | 13°43 | 28°42 | 20°R37 | 22° 9 | 0°28 | 16°46 | W22 |
| T 23 | 10 41 32 | 12°12'31 | 26°29 | 14°56 | 28°24 | 20°29 | 17°31 | 8°24 | 28° 3 | 13°45 | 28°43 | 20°37 | 22° 6 | 0°34 | 16°43 | T 23 |
| F 24 | 10 45 29 | 13°12'20 | 10♋49 | 15°46 | 29°21 | 20°31 | 17°25 | 8°20 | 28° 3 | 13°47 | 28°44 | 20°34 | 22° 3 | 0°41 | 16°40 | F 24 |
| S 25 | 10 49 25 | 14°12'07 | 25°15 | 16°40 | 0♉18 | 20°33 | 17°18 | 8°16 | 28° 3 | 13°49 | 28°45 | 20°30 | 21°59 | 0°48 | 16°36 | S 25 |
| S 26 | 10 53 22 | 15°11'52 | 9♌42 | 17°36 | 1°14 | 20°36 | 17°12 | 8°12 | 28° 3 | 13°52 | 28°46 | 20°25 | 21°56 | 0°54 | 16°33 | S 26 |
| M27 | 10 57 18 | 16°11'34 | 24° 4 | 18°35 | 2°10 | 20°40 | 17° 6 | 8° 8 | 28°D 3 | 13°54 | 28°47 | 20°19 | 21°53 | 1° 1 | 16°29 | M27 |
| T 28 | 11 1 15 | 17♓11'15 | 8♍15 | 19♒37 | 3♉ 5 | 20♋45 | 17♌ 0 | 8♎ 4 | 28♊ 3 | 13♓56 | 28♈48 | 20♎14 | 21♎50 | 1♑ 8 | 16♎26 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s49 | 3n24 | 3s 6 | 11s48 | 3n45 | 2n51 | 0n40 | 25n45 | 4n16 | 15n54 | 1n11 | 1s22 | 2n38 | 23n47 | 0n16 | 7s45 | 1s 7 | 4s17 | 16s17 | 8s31 | 9s 4 | 18s51 | 8s25 | 1s39 |
| T 2 | 14 30 | 1s 4 | 2 3 | 12 9 | 3 45 | 3 22 | 0 45 | 25 46 | 4 15 | 15 57 | 1 11 | 1 21 | 2 38 | 23 47 | 0 16 | 7 44 | 1 7 | 4 17 | 16 17 | 8 29 | 9 3 | 18 51 | 8 25 | 1 39 |
| F 3 | 14 10 | 5 20 | 0 55 | 12 32 | 3 42 | 3 53 | 0 51 | 25 47 | 4 13 | 15 59 | 1 11 | 1 20 | 2 38 | 23 47 | 0 16 | 7 44 | 1 7 | 4 16 | 16 16 | 8 28 | 9 2 | 18 50 | 8 24 | 1 38 |
| S 4 | 13 51 | 9 13 | 0n14 | 12 54 | 3 37 | 4 23 | 0 56 | 25 48 | 4 12 | 16 2 | 1 11 | 1 19 | 2 39 | 23 47 | 0 16 | 7 43 | 1 7 | 4 16 | 16 16 | 8 28 | 9 1 | 18 50 | 8 23 | 1 38 |
| S 5 | 13 31 | 12 34 | 1 20 | 13 17 | 3 30 | 4 54 | 1 1 | 25 48 | 4 10 | 16 5 | 1 11 | 1 18 | 2 39 | 23 47 | 0 16 | 7 42 | 1 7 | 4 15 | 16 16 | 8 28 | 8 59 | 18 50 | 8 23 | 1 38 |
| M 6 | 13 10 | 15 16 | 2 21 | 13 40 | 3 22 | 5 24 | 1 7 | 25 49 | 4 8 | 16 7 | 1 11 | 1 17 | 2 39 | 23 47 | 0 16 | 7 41 | 1 7 | 4 15 | 16 15 | 8 28 | 8 58 | 18 49 | 8 22 | 1 38 |
| T 7 | 12 50 | 17 15 | 3 15 | 14 2 | 3 12 | 5 55 | 1 12 | 25 49 | 4 7 | 16 10 | 1 12 | 1 15 | 2 39 | 23 47 | 0 16 | 7 40 | 1 7 | 4 14 | 16 15 | 8 28 | 8 57 | 18 49 | 8 21 | 1 38 |
| W 8 | 12 29 | 18 28 | 4 0 | 14 23 | 3 2 | 6 25 | 1 18 | 25 49 | 4 5 | 16 12 | 1 12 | 1 14 | 2 39 | 23 47 | 0 16 | 7 39 | 1 7 | 4 13 | 16 15 | 8 28 | 8 56 | 18 49 | 8 20 | 1 37 |
| T 9 | 12 9 | 18 51 | 4 34 | 14 43 | 2 50 | 6 54 | 1 23 | 25 49 | 4 3 | 16 15 | 1 12 | 1 13 | 2 40 | 23 47 | 0 16 | 7 39 | 1 7 | 4 13 | 16 14 | 8 26 | 8 55 | 18 48 | 8 19 | 1 37 |
| F 10 | 11 48 | 18 25 | 4 56 | 15 1 | 2 38 | 7 24 | 1 29 | 25 49 | 4 1 | 16 17 | 1 12 | 1 11 | 2 40 | 23 47 | 0 16 | 7 38 | 1 7 | 4 12 | 16 14 | 8 24 | 8 53 | 18 48 | 8 18 | 1 37 |
| S 11 | 11 26 | 17 10 | 5 6 | 15 18 | 2 25 | 7 54 | 1 34 | 25 48 | 4 0 | 16 20 | 1 12 | 1 10 | 2 40 | 23 47 | 0 16 | 7 37 | 1 7 | 4 12 | 16 14 | 8 21 | 8 52 | 18 48 | 8 17 | 1 37 |
| S 12 | 11 5 | 15 9 | 5 2 | 15 34 | 2 11 | 8 23 | 1 40 | 25 47 | 3 58 | 16 22 | 1 12 | 1 9 | 2 40 | 23 47 | 0 16 | 7 36 | 1 7 | 4 11 | 16 13 | 8 18 | 8 51 | 18 48 | 8 16 | 1 37 |
| M13 | 10 43 | 12 26 | 4 44 | 15 48 | 1 58 | 8 52 | 1 46 | 25 47 | 3 56 | 16 24 | 1 12 | 1 7 | 2 41 | 23 47 | 0 16 | 7 35 | 1 7 | 4 11 | 16 13 | 8 14 | 8 50 | 18 47 | 8 15 | 1 36 |
| T 14 | 10 22 | 9 7 | 4 13 | 16 0 | 1 44 | 9 21 | 1 51 | 25 46 | 3 54 | 16 27 | 1 12 | 1 6 | 2 41 | 23 47 | 0 16 | 7 34 | 1 7 | 4 10 | 16 13 | 8 11 | 8 49 | 18 47 | 8 14 | 1 36 |
| W15 | 10 0 | 5 20 | 3 29 | 16 10 | 1 31 | 9 50 | 1 57 | 25 45 | 3 52 | 16 29 | 1 12 | 1 4 | 2 41 | 23 47 | 0 16 | 7 33 | 1 7 | 4 10 | 16 13 | 8 8 | 8 48 | 18 47 | 8 13 | 1 36 |
| T 16 | 9 38 | 1 15 | 2 33 | 16 19 | 1 18 | 10 18 | 2 3 | 25 43 | 3 50 | 16 31 | 1 12 | 1 3 | 2 41 | 23 47 | 0 16 | 7 33 | 1 7 | 4 9 | 16 12 | 8 5 | 8 46 | 18 46 | 8 12 | 1 36 |
| F 17 | 9 16 | 2n58 | 1 28 | 16 26 | 1 4 | 10 46 | 2 9 | 25 42 | 3 48 | 16 34 | 1 12 | 1 1 | 2 41 | 23 47 | 0 16 | 7 32 | 1 7 | 4 8 | 16 12 | 8 4 | 8 45 | 18 46 | 8 11 | 1 36 |
| S 18 | 8 53 | 7 6 | 0 18 | 16 31 | 0 52 | 11 14 | 2 15 | 25 40 | 3 46 | 16 36 | 1 12 | 1 0 | 2 42 | 23 47 | 0 16 | 7 31 | 1 7 | 4 8 | 16 12 | 8 4 | 8 44 | 18 46 | 8 9 | 1 35 |
| S 19 | 8 31 | 10 55 | 0s55 | 16 35 | 0 39 | 11 42 | 2 21 | 25 39 | 3 44 | 16 38 | 1 12 | 0 58 | 2 42 | 23 47 | 0 16 | 7 30 | 1 7 | 4 7 | 16 11 | 8 4 | 8 43 | 18 45 | 8 8 | 1 35 |
| M20 | 8 9 | 14 13 | 2 6 | 16 37 | 0 27 | 12 9 | 2 26 | 25 37 | 3 42 | 16 40 | 1 12 | 0 56 | 2 42 | 23 47 | 0 16 | 7 29 | 1 7 | 4 7 | 16 11 | 8 4 | 8 42 | 18 45 | 8 7 | 1 35 |
| T 21 | 7 46 | 16 45 | 3 10 | 16 37 | 0 15 | 12 36 | 2 32 | 25 35 | 3 40 | 16 42 | 1 12 | 0 55 | 2 42 | 23 47 | 0 16 | 7 28 | 1 7 | 4 6 | 16 11 | 8 5 | 8 40 | 18 45 | 8 5 | 1 35 |
| W22 | 7 23 | 18 19 | 4 4 | 16 35 | 0 3 | 13 3 | 2 38 | 25 33 | 3 38 | 16 44 | 1 12 | 0 53 | 2 42 | 23 46 | 0 16 | 7 27 | 1 7 | 4 6 | 16 11 | 8 5 | 8 39 | 18 44 | 8 4 | 1 34 |
| T 23 | 7 0 | 18 45 | 4 44 | 16 32 | 0s 8 | 13 30 | 2 44 | 25 31 | 3 36 | 16 46 | 1 12 | 0 51 | 2 42 | 23 46 | 0 16 | 7 26 | 1 7 | 4 5 | 16 10 | 8 5 | 8 38 | 18 44 | 8 2 | 1 34 |
| F 24 | 6 37 | 17 59 | 5 6 | 16 28 | 0 19 | 13 56 | 2 50 | 25 29 | 3 34 | 16 48 | 1 12 | 0 50 | 2 43 | 23 46 | 0 16 | 7 26 | 1 7 | 4 4 | 16 10 | 8 4 | 8 37 | 18 43 | 8 1 | 1 34 |
| S 25 | 6 14 | 16 5 | 5 10 | 16 22 | 0 29 | 14 22 | 2 56 | 25 26 | 3 32 | 16 50 | 1 12 | 0 48 | 2 43 | 23 46 | 0 16 | 7 25 | 1 7 | 4 4 | 16 10 | 8 2 | 8 36 | 18 43 | 7 59 | 1 34 |
| S 26 | 5 51 | 13 10 | 4 53 | 16 14 | 0 39 | 14 47 | 3 2 | 25 24 | 3 30 | 16 52 | 1 12 | 0 46 | 2 43 | 23 46 | 0 16 | 7 24 | 1 7 | 4 3 | 16 10 | 8 0 | 8 34 | 18 43 | 7 58 | 1 33 |
| M27 | 5 28 | 9 28 | 4 19 | 16 5 | 0 49 | 15 12 | 3 8 | 25 21 | 3 28 | 16 54 | 1 12 | 0 45 | 2 43 | 23 46 | 0 16 | 7 23 | 1 7 | 4 3 | 16 9 | 7 58 | 8 33 | 18 42 | 7 56 | 1 33 |
| T 28 | 5s 5 | 5n17 | 3s29 | 15s54 | 0s58 | 15n37 | 3n14 | 25n18 | 3n26 | 16n56 | 1n12 | 0s43 | 2n43 | 23n46 | 0n16 | 7s22 | 1s 7 | 4s 2 | 16s 9 | 7s56 | 8s32 | 18s42 | 7s55 | 1s33 |

Julian Day Number = 2218924.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'22, Lahiri = 14°58'23 Julian Calendar 1 Feb. 1363 == Greg. Calendar 9 Feb. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## MARCH 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 5 11 | 18♓10'53 | 22♍11 | 20♒42 | 3♉59 | 20♋50 | 16°R54 | 8°R 0 | 28♊ 3 | 13♓59 | 28♈49 | 20°R10 | 21♎47 | 1♑14 | 16°R22 | W 1 |
| T 2 | 11 9 8 | 19°10'29 | 5♎48 | 21°49 | 4°53 | 20°56 | 16♌48 | 7♎56 | 28° 3 | 14° 1 | 28°51 | 20♎ 8 | 21°44 | 1°21 | 16♎18 | T 2 |
| F 3 | 11 13 4 | 20°10'03 | 19° 4 | 22°58 | 5°46 | 21° 2 | 16°43 | 7°51 | 28° 3 | 14° 3 | 28°52 | 20°D 7 | 21°40 | 1°28 | 16°15 | F 3 |
| S 4 | 11 17 1 | 21° 9'35 | 1♏58 | 24° 9 | 6°39 | 21° 9 | 16°37 | 7°47 | 28° 3 | 14° 5 | 28°53 | 20° 8 | 21°37 | 1°35 | 16°11 | S 4 |
| S 5 | 11 20 58 | 22° 9'06 | 14°33 | 25°22 | 7°31 | 21°17 | 16°32 | 7°43 | 28° 4 | 14° 8 | 28°54 | 20° 9 | 21°34 | 1°41 | 16° 7 | S 5 |
| M 6 | 11 24 54 | 23° 8'34 | 26°50 | 26°38 | 8°22 | 21°26 | 16°27 | 7°38 | 28° 4 | 14°10 | 28°55 | 20°11 | 21°31 | 1°48 | 16° 3 | M 6 |
| T 7 | 11 28 51 | 24° 8'01 | 8♐54 | 27°55 | 9°12 | 21°35 | 16°22 | 7°34 | 28° 5 | 14°12 | 28°56 | 20°12 | 21°28 | 1°55 | 15°59 | T 7 |
| W 8 | 11 32 47 | 25° 7'26 | 20°50 | 29°14 | 10° 2 | 21°44 | 16°17 | 7°29 | 28° 5 | 14°14 | 28°57 | 20°R13 | 21°24 | 2° 1 | 15°54 | W 8 |
| T 9 | 11 36 44 | 26° 6'49 | 2♑43 | 0♓34 | 10°50 | 21°54 | 16°12 | 7°25 | 28° 6 | 14°17 | 28°59 | 20°13 | 21°21 | 2° 8 | 15°50 | T 9 |
| F 10 | 11 40 40 | 27° 6'11 | 14°36 | 1°57 | 11°38 | 22° 5 | 16° 8 | 7°20 | 28° 6 | 14°19 | 29° 0 | 20°12 | 21°18 | 2°15 | 15°46 | F 10 |
| S 11 | 11 44 37 | 28° 5'30 | 26°36 | 3°21 | 12°25 | 22°16 | 16° 3 | 7°16 | 28° 7 | 14°21 | 29° 1 | 20°10 | 21°15 | 2°22 | 15°42 | S 11 |
| S 12 | 11 48 33 | 29° 4'48 | 8♒45 | 4°46 | 13°11 | 22°28 | 15°59 | 7°11 | 28° 7 | 14°23 | 29° 2 | 20° 7 | 21°12 | 2°28 | 15°37 | S 12 |
| M13 | 11 52 30 | 0♈ 4'04 | 21° 7 | 6°14 | 13°56 | 22°40 | 15°55 | 7° 7 | 28° 8 | 14°25 | 29° 3 | 20° 4 | 21° 9 | 2°35 | 15°33 | M13 |
| T 14 | 11 56 27 | 1° 3'18 | 3♓44 | 7°42 | 14°41 | 22°53 | 15°51 | 7° 2 | 28° 9 | 14°28 | 29° 5 | 20° 1 | 21° 5 | 2°42 | 15°29 | T 14 |
| W15 | 12 0 23 | 2° 2'29 | 16°39 | 9°13 | 15°24 | 23° 6 | 15°47 | 6°58 | 28°10 | 14°30 | 29° 6 | 19°58 | 21° 2 | 2°49 | 15°24 | W15 |
| T 16 | 12 4 20 | 3° 1'39 | 29°50 | 10°44 | 16° 6 | 23°20 | 15°44 | 6°53 | 28°11 | 14°32 | 29° 7 | 19°56 | 20°59 | 2°55 | 15°20 | T 16 |
| F 17 | 12 8 16 | 4° 0'47 | 13♈18 | 12°18 | 16°47 | 23°34 | 15°41 | 6°48 | 28°12 | 14°34 | 29° 8 | 19°D55 | 20°56 | 3° 2 | 15°15 | F 17 |
| S 18 | 12 12 13 | 4°59'53 | 27° 0 | 13°53 | 17°27 | 23°49 | 15°37 | 6°44 | 28°13 | 14°36 | 29° 9 | 19°55 | 20°53 | 3° 9 | 15°11 | S 18 |
| S 19 | 12 16 9 | 5°58'56 | 10♉53 | 15°29 | 18° 6 | 24° 4 | 15°34 | 6°39 | 28°14 | 14°39 | 29°11 | 19°56 | 20°50 | 3°15 | 15° 6 | S 19 |
| M20 | 12 20 6 | 6°57'58 | 24°56 | 17° 7 | 18°43 | 24°20 | 15°32 | 6°34 | 28°15 | 14°41 | 29°12 | 19°57 | 20°46 | 3°22 | 15° 1 | M20 |
| T 21 | 12 24 2 | 7°56'57 | 9♊ 5 | 18°46 | 19°20 | 24°36 | 15°29 | 6°30 | 28°16 | 14°43 | 29°13 | 19°58 | 20°43 | 3°29 | 14°57 | T 21 |
| W22 | 12 27 59 | 8°55'54 | 23°17 | 20°27 | 19°55 | 24°53 | 15°27 | 6°25 | 28°17 | 14°45 | 29°15 | 19°59 | 20°40 | 3°36 | 14°52 | W22 |
| T 23 | 12 31 56 | 9°54'48 | 7♋31 | 22° 9 | 20°28 | 25°10 | 15°24 | 6°21 | 28°19 | 14°47 | 29°16 | 19°R59 | 20°37 | 3°42 | 14°48 | T 23 |
| F 24 | 12 35 52 | 10°53'40 | 21°43 | 23°53 | 21° 1 | 25°27 | 15°22 | 6°16 | 28°20 | 14°49 | 29°17 | 19°59 | 20°34 | 3°49 | 14°43 | F 24 |
| S 25 | 12 39 49 | 11°52'30 | 5♌51 | 25°38 | 21°31 | 25°45 | 15°20 | 6°11 | 28°21 | 14°51 | 29°19 | 19°59 | 20°30 | 3°56 | 14°38 | S 25 |
| S 26 | 12 43 45 | 12°51'17 | 19°53 | 27°25 | 22° 0 | 26° 4 | 15°19 | 6° 7 | 28°23 | 14°53 | 29°20 | 19°58 | 20°27 | 4° 2 | 14°33 | S 26 |
| M27 | 12 47 42 | 13°50'02 | 3♍47 | 29°13 | 22°28 | 26°22 | 15°17 | 6° 2 | 28°24 | 14°55 | 29°21 | 19°57 | 20°24 | 4° 9 | 14°29 | M27 |
| T 28 | 12 51 38 | 14°48'45 | 17°29 | 1♈ 3 | 22°54 | 26°41 | 15°16 | 5°58 | 28°26 | 14°57 | 29°23 | 19°56 | 20°21 | 4°16 | 14°24 | T 28 |
| W29 | 12 55 35 | 15°47'26 | 0♎59 | 2°54 | 23°18 | 27° 1 | 15°15 | 5°53 | 28°27 | 14°59 | 29°24 | 19°56 | 20°18 | 4°23 | 14°19 | W29 |
| T 30 | 12 59 31 | 16°46'04 | 14°14 | 4°47 | 23°40 | 27°20 | 15°14 | 5°49 | 28°29 | 15° 1 | 29°25 | 19°D56 | 20°15 | 4°29 | 14°15 | T 30 |
| F 31 | 13 3 28 | 17♈44'41 | 27♎13 | 6♈42 | 24♉ 1 | 27♋40 | 15♌13 | 5♎44 | 28♊30 | 15♓ 3 | 29♈27 | 19♎56 | 20♎11 | 4♑36 | 14♎10 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s41 | 0n52 | 2s27 | 15s41 | 1s 6 | 16n 1 | 3n20 | 25n16 | 3n24 | 16n58 | 1n12 | 0s41 | 2n43 | 23n46 | 0n16 | 7s21 | 1s 7 | 4s 2 | 16s 9 | 7s55 | 8s31 | 18s42 | 7s53 | 1s33 |
| T 2 | 4 18 | 3s30 | 1 18 | 15 28 | 1 15 | 16 25 | 3 26 | 25 13 | 3 22 | 16 59 | 1 12 | 0 39 | 2 43 | 23 46 | 0 16 | 7 20 | 1 7 | 4 1 | 16 9 | 7 54 | 8 30 | 18 41 | 7 51 | 1 32 |
| F 3 | 3 54 | 7 35 | 0 6 | 15 12 | 1 22 | 16 49 | 3 31 | 25 10 | 3 20 | 17 1 | 1 12 | 0 37 | 2 44 | 23 46 | 0 16 | 7 19 | 1 7 | 4 0 | 16 8 | 7 53 | 8 28 | 18 41 | 7 49 | 1 32 |
| S 4 | 3 31 | 11 11 | 1n 5 | 14 55 | 1 30 | 17 12 | 3 37 | 25 7 | 3 18 | 17 3 | 1 12 | 0 36 | 2 44 | 23 46 | 0 16 | 7 19 | 1 7 | 4 0 | 16 8 | 7 54 | 8 27 | 18 41 | 7 48 | 1 32 |
| S 5 | 3 7 | 14 11 | 2 10 | 14 37 | 1 37 | 17 35 | 3 43 | 25 4 | 3 16 | 17 4 | 1 12 | 0 34 | 2 44 | 23 46 | 0 16 | 7 18 | 1 7 | 3 59 | 16 8 | 7 54 | 8 26 | 18 40 | 7 46 | 1 32 |
| M 6 | 2 44 | 16 28 | 3 8 | 14 18 | 1 43 | 17 57 | 3 49 | 25 0 | 3 14 | 17 6 | 1 11 | 0 32 | 2 44 | 23 46 | 0 16 | 7 17 | 1 7 | 3 59 | 16 8 | 7 55 | 8 25 | 18 40 | 7 44 | 1 31 |
| T 7 | 2 20 | 17 58 | 3 56 | 13 56 | 1 49 | 18 19 | 3 55 | 24 57 | 3 12 | 17 7 | 1 11 | 0 30 | 2 44 | 23 46 | 0 16 | 7 16 | 1 7 | 3 58 | 16 8 | 7 55 | 8 24 | 18 39 | 7 42 | 1 31 |
| W 8 | 1 57 | 18 39 | 4 34 | 13 34 | 1 54 | 18 40 | 4 0 | 24 53 | 3 10 | 17 9 | 1 11 | 0 28 | 2 44 | 23 46 | 0 16 | 7 15 | 1 7 | 3 57 | 16 7 | 7 56 | 8 23 | 18 39 | 7 40 | 1 31 |
| T 9 | 1 33 | 18 30 | 5 0 | 13 10 | 1 59 | 19 1 | 4 6 | 24 50 | 3 9 | 17 10 | 1 11 | 0 26 | 2 44 | 23 46 | 0 16 | 7 14 | 1 7 | 3 57 | 16 7 | 7 56 | 8 21 | 18 39 | 7 39 | 1 30 |
| F 10 | 1 9 | 17 32 | 5 13 | 12 45 | 2 4 | 19 22 | 4 12 | 24 46 | 3 7 | 17 11 | 1 11 | 0 25 | 2 44 | 23 46 | 0 16 | 7 13 | 1 7 | 3 56 | 16 7 | 7 55 | 8 20 | 18 38 | 7 37 | 1 30 |
| S 11 | 0 46 | 15 48 | 5 12 | 12 18 | 2 8 | 19 42 | 4 17 | 24 43 | 3 5 | 17 13 | 1 11 | 0 23 | 2 44 | 23 46 | 0 16 | 7 13 | 1 7 | 3 56 | 16 7 | 7 54 | 8 19 | 18 38 | 7 35 | 1 30 |
| S 12 | 0 22 | 13 20 | 4 58 | 11 50 | 2 12 | 20 1 | 4 23 | 24 39 | 3 3 | 17 14 | 1 11 | 0 21 | 2 44 | 23 46 | 0 16 | 7 12 | 1 7 | 3 55 | 16 7 | 7 53 | 8 18 | 18 37 | 7 33 | 1 30 |
| M13 | 0n 2 | 10 15 | 4 30 | 11 21 | 2 15 | 20 20 | 4 28 | 24 35 | 3 1 | 17 15 | 1 11 | 0 19 | 2 44 | 23 46 | 0 16 | 7 11 | 1 7 | 3 55 | 16 6 | 7 52 | 8 17 | 18 37 | 7 31 | 1 29 |
| T 14 | 0 25 | 6 38 | 3 48 | 10 50 | 2 18 | 20 39 | 4 33 | 24 31 | 2 59 | 17 16 | 1 11 | 0 17 | 2 44 | 23 46 | 0 16 | 7 10 | 1 7 | 3 54 | 16 6 | 7 51 | 8 15 | 18 37 | 7 29 | 1 29 |
| W15 | 0 49 | 2 38 | 2 53 | 10 18 | 2 20 | 20 57 | 4 39 | 24 27 | 2 57 | 17 17 | 1 11 | 0 15 | 2 45 | 23 46 | 0 16 | 7 9 | 1 7 | 3 53 | 16 6 | 7 50 | 8 14 | 18 36 | 7 27 | 1 29 |
| T 16 | 1 12 | 1n36 | 1 49 | 9 45 | 2 22 | 21 14 | 4 44 | 24 23 | 2 55 | 17 18 | 1 11 | 0 13 | 2 45 | 23 46 | 0 16 | 7 8 | 1 7 | 3 53 | 16 6 | 7 49 | 8 13 | 18 36 | 7 25 | 1 28 |
| F 17 | 1 36 | 5 50 | 0 37 | 9 10 | 2 23 | 21 31 | 4 49 | 24 18 | 2 54 | 17 19 | 1 11 | 0 11 | 2 45 | 23 47 | 0 16 | 7 8 | 1 7 | 3 52 | 16 6 | 7 49 | 8 12 | 18 35 | 7 23 | 1 28 |
| S 18 | 2 0 | 9 50 | 0s39 | 8 35 | 2 24 | 21 47 | 4 54 | 24 14 | 2 52 | 17 20 | 1 11 | 0 10 | 2 45 | 23 47 | 0 16 | 7 7 | 1 7 | 3 52 | 16 6 | 7 49 | 8 11 | 18 35 | 7 21 | 1 28 |
| S 19 | 2 23 | 13 21 | 1 53 | 7 57 | 2 24 | 22 3 | 4 59 | 24 9 | 2 50 | 17 20 | 1 10 | 0 8 | 2 45 | 23 47 | 0 16 | 7 6 | 1 7 | 3 51 | 16 5 | 7 49 | 8 9 | 18 34 | 7 18 | 1 27 |
| M20 | 2 46 | 16 7 | 3 2 | 7 19 | 2 24 | 22 18 | 5 3 | 24 5 | 2 48 | 17 21 | 1 10 | 0 6 | 2 45 | 23 47 | 0 16 | 7 5 | 1 7 | 3 51 | 16 5 | 7 50 | 8 8 | 18 34 | 7 16 | 1 27 |
| T 21 | 3 10 | 17 56 | 4 0 | 6 39 | 2 23 | 22 33 | 5 8 | 24 0 | 2 47 | 17 22 | 1 10 | 0 4 | 2 45 | 23 47 | 0 16 | 7 4 | 1 7 | 3 50 | 16 5 | 7 50 | 8 7 | 18 34 | 7 14 | 1 27 |
| W22 | 3 33 | 18 38 | 4 43 | 5 59 | 2 22 | 22 47 | 5 12 | 23 56 | 2 45 | 17 23 | 1 10 | 0 2 | 2 45 | 23 47 | 0 16 | 7 4 | 1 7 | 3 49 | 16 5 | 7 50 | 8 6 | 18 33 | 7 12 | 1 26 |
| T 23 | 3 56 | 18 10 | 5 9 | 5 17 | 2 21 | 23 0 | 5 17 | 23 51 | 2 43 | 17 23 | 1 10 | 0 0 | 2 45 | 23 47 | 0 16 | 7 3 | 1 7 | 3 49 | 16 5 | 7 50 | 8 5 | 18 33 | 7 10 | 1 26 |
| F 24 | 4 20 | 16 33 | 5 17 | 4 33 | 2 19 | 23 13 | 5 21 | 23 46 | 2 41 | 17 24 | 1 10 | 0n 1 | 2 45 | 23 47 | 0 16 | 7 2 | 1 7 | 3 48 | 16 5 | 7 50 | 8 3 | 18 32 | 7 8 | 1 26 |
| S 25 | 4 43 | 13 57 | 5 5 | 3 49 | 2 16 | 23 25 | 5 25 | 23 41 | 2 40 | 17 24 | 1 10 | 0 3 | 2 45 | 23 47 | 0 16 | 7 1 | 1 7 | 3 48 | 16 5 | 7 50 | 8 2 | 18 32 | 7 6 | 1 25 |
| S 26 | 5 6 | 10 33 | 4 35 | 3 4 | 2 13 | 23 37 | 5 29 | 23 36 | 2 38 | 17 24 | 1 10 | 0 5 | 2 45 | 23 47 | 0 16 | 7 0 | 1 7 | 3 47 | 16 5 | 7 50 | 8 1 | 18 31 | 7 4 | 1 25 |
| M27 | 5 29 | 6 36 | 3 49 | 2 17 | 2 9 | 23 48 | 5 32 | 23 30 | 2 36 | 17 25 | 1 10 | 0 7 | 2 45 | 23 47 | 0 16 | 7 0 | 1 7 | 3 47 | 16 4 | 7 50 | 8 0 | 18 31 | 7 1 | 1 24 |
| T 28 | 5 51 | 2 21 | 2 50 | 1 29 | 2 5 | 23 58 | 5 36 | 23 25 | 2 35 | 17 25 | 1 9 | 0 9 | 2 45 | 23 47 | 0 16 | 6 59 | 1 7 | 3 46 | 16 4 | 7 49 | 7 59 | 18 30 | 6 59 | 1 24 |
| W29 | 6 14 | 1s58 | 1 43 | 0 41 | 2 0 | 24 7 | 5 39 | 23 20 | 2 33 | 17 25 | 1 9 | 0 10 | 2 45 | 23 47 | 0 16 | 6 58 | 1 7 | 3 46 | 16 4 | 7 49 | 7 57 | 18 30 | 6 57 | 1 24 |
| T 30 | 6 37 | 6 7 | 0 32 | 0n 9 | 1 55 | 24 16 | 5 42 | 23 14 | 2 31 | 17 25 | 1 9 | 0 12 | 2 45 | 23 47 | 0 16 | 6 57 | 1 7 | 3 45 | 16 4 | 7 49 | 7 56 | 18 30 | 6 55 | 1 23 |
| F 31 | 6n59 | 9s53 | 0n40 | 1n 0 | 1s49 | 24n24 | 5n44 | 23n 9 | 2n30 | 17n26 | 1n 9 | 0n14 | 2n45 | 23n47 | 0n16 | 6s57 | 1s 8 | 3s45 | 16s 4 | 7s49 | 7s55 | 18s29 | 6s53 | 1s23 |

Julian Day Number = 2218952.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'26, Lahiri = 14°58'27 Julian Calendar 1 March 1363 == Greg. Calendar 9 March 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## APRIL 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 7 24 | 18♈43'16 | 9♏57 | 8♈38 | 24♉19 | 28♋ 1 | 15°R13 | 5°R40 | 28♊32 | 15♓ 5 | 29♈28 | 19♎56 | 20♎ 8 | 4♑43 | 14°R 5 | S 1 |
| S 2 | 13 11 21 | 19°41'48 | 22°26 | 10°35 | 24°36 | 28°22 | 15♌12 | 5♎35 | 28°34 | 15° 7 | 29°29 | 19°R56 | 20° 5 | 4°49 | 14♎ 1 | S 2 |
| M 3 | 13 15 18 | 20°40'20 | 4♐41 | 12°34 | 24°51 | 28°43 | 15°12 | 5°31 | 28°36 | 15° 9 | 29°31 | 19°56 | 20° 2 | 4°56 | 13°56 | M 3 |
| T 4 | 13 19 14 | 21°38'49 | 16°45 | 14°35 | 25° 3 | 29° 4 | 15°D12 | 5°26 | 28°37 | 15°11 | 29°32 | 19°56 | 19°59 | 5° 3 | 13°51 | T 4 |
| W 5 | 13 23 11 | 22°37'17 | 28°42 | 16°37 | 25°14 | 29°26 | 15°12 | 5°22 | 28°39 | 15°13 | 29°33 | 19°56 | 19°55 | 5°10 | 13°47 | W 5 |
| T 6 | 13 27 7 | 23°35'43 | 10♑35 | 18°40 | 25°22 | 29°48 | 15°12 | 5°18 | 28°41 | 15°15 | 29°35 | 19°55 | 19°52 | 5°16 | 13°42 | T 6 |
| F 7 | 13 31 4 | 24°34'07 | 22°29 | 20°45 | 25°28 | 0♌11 | 15°13 | 5°14 | 28°43 | 15°17 | 29°36 | 19°D55 | 19°49 | 5°23 | 13°38 | F 7 |
| S 8 | 13 35 0 | 25°32'30 | 4♒28 | 22°50 | 25°32 | 0°33 | 15°14 | 5° 9 | 28°45 | 15°19 | 29°37 | 19°55 | 19°46 | 5°30 | 13°33 | S 8 |
| S 9 | 13 38 57 | 26°30'51 | 16°37 | 24°57 | 25°R33 | 0°56 | 15°15 | 5° 5 | 28°47 | 15°21 | 29°39 | 19°56 | 19°43 | 5°36 | 13°29 | S 9 |
| M10 | 13 42 53 | 27°29'11 | 29° 1 | 27° 5 | 25°32 | 1°19 | 15°16 | 5° 1 | 28°49 | 15°22 | 29°40 | 19°56 | 19°40 | 5°43 | 13°24 | M10 |
| T 11 | 13 46 50 | 28°27'28 | 11♓42 | 29°13 | 25°29 | 1°43 | 15°17 | 4°57 | 28°52 | 15°24 | 29°41 | 19°57 | 19°36 | 5°50 | 13°20 | T 11 |
| W12 | 13 50 47 | 29°25'45 | 24°43 | 1♉22 | 25°23 | 2° 7 | 15°18 | 4°53 | 28°54 | 15°26 | 29°43 | 19°58 | 19°33 | 5°57 | 13°15 | W12 |
| T 13 | 13 54 43 | 0♉23'59 | 8♈ 7 | 3°32 | 25°15 | 2°31 | 15°20 | 4°49 | 28°56 | 15°28 | 29°44 | 19°58 | 19°30 | 6° 3 | 13°11 | T 13 |
| F 14 | 13 58 40 | 1°22'12 | 21°52 | 5°41 | 25° 4 | 2°55 | 15°22 | 4°45 | 28°58 | 15°29 | 29°46 | 19°R59 | 19°27 | 6°10 | 13° 7 | F 14 |
| S 15 | 14 2 36 | 2°20'23 | 5♉57 | 7°50 | 24°51 | 3°20 | 15°24 | 4°41 | 29° 1 | 15°31 | 29°47 | 19°58 | 19°24 | 6°17 | 13° 3 | S 15 |
| S 16 | 14 6 33 | 3°18'33 | 20°18 | 9°58 | 24°36 | 3°45 | 15°26 | 4°38 | 29° 3 | 15°33 | 29°48 | 19°57 | 19°21 | 6°23 | 12°58 | S 16 |
| M17 | 14 10 29 | 4°16'41 | 4♊49 | 12° 6 | 24°18 | 4°10 | 15°28 | 4°34 | 29° 5 | 15°34 | 29°50 | 19°56 | 19°17 | 6°30 | 12°54 | M17 |
| T 18 | 14 14 26 | 5°14'47 | 19°25 | 14°13 | 23°58 | 4°35 | 15°31 | 4°30 | 29° 8 | 15°36 | 29°51 | 19°54 | 19°14 | 6°37 | 12°50 | T 18 |
| W19 | 14 18 22 | 6°12'51 | 3♋58 | 16°18 | 23°35 | 5° 1 | 15°34 | 4°27 | 29°10 | 15°38 | 29°52 | 19°52 | 19°11 | 6°44 | 12°46 | W19 |
| T 20 | 14 22 19 | 7°10'53 | 18°25 | 18°21 | 23°11 | 5°27 | 15°37 | 4°23 | 29°13 | 15°39 | 29°54 | 19°51 | 19° 8 | 6°50 | 12°42 | T 20 |
| F 21 | 14 26 16 | 8° 8'53 | 2♌41 | 20°22 | 22°44 | 5°53 | 15°40 | 4°20 | 29°15 | 15°41 | 29°55 | 19°D50 | 19° 5 | 6°57 | 12°38 | F 21 |
| S 22 | 14 30 12 | 9° 6'51 | 16°43 | 22°21 | 22°15 | 6°19 | 15°43 | 4°16 | 29°18 | 15°42 | 29°57 | 19°50 | 19° 1 | 7° 4 | 12°34 | S 22 |
| S 23 | 14 34 9 | 10° 4'48 | 0♍31 | 24°18 | 21°45 | 6°46 | 15°46 | 4°13 | 29°20 | 15°44 | 29°58 | 19°51 | 18°58 | 7°11 | 12°31 | S 23 |
| M24 | 14 38 5 | 11° 2'42 | 14° 4 | 26°12 | 21°12 | 7°13 | 15°50 | 4°10 | 29°23 | 15°45 | 29°59 | 19°52 | 18°55 | 7°17 | 12°27 | M24 |
| T 25 | 14 42 2 | 12° 0'34 | 27°23 | 28° 3 | 20°39 | 7°40 | 15°54 | 4° 6 | 29°26 | 15°47 | 0♉ 1 | 19°53 | 18°52 | 7°24 | 12°23 | T 25 |
| W26 | 14 45 58 | 12°58'25 | 10♎27 | 29°52 | 20° 4 | 8° 7 | 15°57 | 4° 3 | 29°28 | 15°48 | 0° 2 | 19°55 | 18°49 | 7°31 | 12°20 | W26 |
| T 27 | 14 49 55 | 13°56'14 | 23°19 | 1♊37 | 19°28 | 8°34 | 16° 2 | 4° 0 | 29°31 | 15°50 | 0° 3 | 19°R55 | 18°46 | 7°37 | 12°16 | T 27 |
| F 28 | 14 53 51 | 14°54'02 | 5♏59 | 3°19 | 18°51 | 9° 2 | 16° 6 | 3°57 | 29°34 | 15°51 | 0° 5 | 19°54 | 18°42 | 7°44 | 12°13 | F 28 |
| S 29 | 14 57 48 | 15°51'48 | 18°27 | 4°58 | 18°14 | 9°29 | 16°10 | 3°55 | 29°37 | 15°52 | 0° 6 | 19°52 | 18°39 | 7°51 | 12° 9 | S 29 |
| S 30 | 15 1 45 | 16♉49'32 | 0♐45 | 6♊33 | 17♉36 | 9♌57 | 16♌15 | 3♎52 | 29♊40 | 15♓54 | 0♉ 7 | 19♎48 | 18♎36 | 7♑58 | 12♎ 6 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n22 | 13s 8 | 1n49 | 1n51 | 1s43 | 24n31 | 5n47 | 23n 3 | 2n28 | 17n26 | 1n 9 | 0n16 | 2n45 | 23n47 | 0n16 | 6s56 | 1s 8 | 3s44 | 16s 4 | 7s49 | 7s54 | 18s29 | 6s51 | 1s23 |
| S 2 | 7 44 | 15 41 | 2 51 | 2 44 | 1 36 | 24 37 | 5 49 | 22 57 | 2 27 | 17 26 | 1 9 | 0 17 | 2 45 | 23 47 | 0 16 | 6 55 | 1 8 | 3 44 | 16 4 | 7 49 | 7 53 | 18 28 | 6 48 | 1 22 |
| M 3 | 8 6 | 17 29 | 3 44 | 3 37 | 1 29 | 24 42 | 5 51 | 22 51 | 2 25 | 17 26 | 1 9 | 0 19 | 2 44 | 23 47 | 0 16 | 6 54 | 1 8 | 3 43 | 16 4 | 7 49 | 7 51 | 18 28 | 6 46 | 1 22 |
| T 4 | 8 28 | 18 27 | 4 26 | 4 31 | 1 21 | 24 47 | 5 52 | 22 45 | 2 24 | 17 25 | 1 9 | 0 21 | 2 44 | 23 47 | 0 16 | 6 54 | 1 8 | 3 42 | 16 4 | 7 49 | 7 50 | 18 27 | 6 44 | 1 21 |
| W 5 | 8 50 | 18 35 | 4 56 | 5 26 | 1 13 | 24 51 | 5 53 | 22 39 | 2 22 | 17 25 | 1 8 | 0 22 | 2 44 | 23 47 | 0 16 | 6 53 | 1 8 | 3 42 | 16 4 | 7 49 | 7 49 | 18 27 | 6 42 | 1 21 |
| T 6 | 9 11 | 17 54 | 5 13 | 6 21 | 1 4 | 24 53 | 5 54 | 22 33 | 2 21 | 17 25 | 1 8 | 0 24 | 2 44 | 23 47 | 0 16 | 6 52 | 1 8 | 3 41 | 16 4 | 7 49 | 7 48 | 18 26 | 6 40 | 1 21 |
| F 7 | 9 33 | 16 26 | 5 17 | 7 16 | 0 55 | 24 55 | 5 54 | 22 27 | 2 19 | 17 25 | 1 8 | 0 26 | 2 44 | 23 47 | 0 16 | 6 52 | 1 8 | 3 41 | 16 4 | 7 49 | 7 47 | 18 26 | 6 38 | 1 20 |
| S 8 | 9 54 | 14 14 | 5 7 | 8 12 | 0 46 | 24 56 | 5 54 | 22 20 | 2 18 | 17 24 | 1 8 | 0 27 | 2 44 | 23 47 | 0 16 | 6 51 | 1 8 | 3 40 | 16 4 | 7 49 | 7 45 | 18 25 | 6 36 | 1 20 |
| S 9 | 10 16 | 11 24 | 4 43 | 9 8 | 0 36 | 24 56 | 5 54 | 22 14 | 2 16 | 17 24 | 1 8 | 0 29 | 2 44 | 23 47 | 0 16 | 6 50 | 1 8 | 3 40 | 16 3 | 7 49 | 7 44 | 18 25 | 6 33 | 1 20 |
| M10 | 10 37 | 8 0 | 4 6 | 10 4 | 0 26 | 24 55 | 5 53 | 22 7 | 2 15 | 17 24 | 1 8 | 0 30 | 2 44 | 23 47 | 0 16 | 6 50 | 1 8 | 3 39 | 16 3 | 7 49 | 7 43 | 18 24 | 6 31 | 1 19 |
| T 11 | 10 58 | 4 10 | 3 17 | 10 59 | 0 16 | 24 53 | 5 52 | 22 0 | 2 13 | 17 23 | 1 8 | 0 32 | 2 44 | 23 47 | 0 16 | 6 49 | 1 8 | 3 39 | 16 3 | 7 50 | 7 42 | 18 24 | 6 29 | 1 19 |
| W12 | 11 18 | 0 2 | 2 15 | 11 54 | 0 6 | 24 49 | 5 50 | 21 54 | 2 12 | 17 23 | 1 8 | 0 33 | 2 44 | 23 47 | 0 16 | 6 48 | 1 8 | 3 39 | 16 3 | 7 50 | 7 41 | 18 23 | 6 27 | 1 18 |
| T 13 | 11 39 | 4n14 | 1 5 | 12 49 | 0n 5 | 24 45 | 5 47 | 21 47 | 2 10 | 17 22 | 1 7 | 0 35 | 2 44 | 23 47 | 0 16 | 6 48 | 1 8 | 3 38 | 16 3 | 7 50 | 7 39 | 18 23 | 6 25 | 1 18 |
| F 14 | 11 59 | 8 23 | 0s10 | 13 42 | 0 16 | 24 39 | 5 44 | 21 40 | 2 9 | 17 21 | 1 7 | 0 36 | 2 43 | 23 47 | 0 16 | 6 47 | 1 8 | 3 38 | 16 3 | 7 50 | 7 38 | 18 22 | 6 23 | 1 17 |
| S 15 | 12 20 | 12 11 | 1 27 | 14 35 | 0 26 | 24 32 | 5 40 | 21 33 | 2 7 | 17 21 | 1 7 | 0 38 | 2 43 | 23 47 | 0 16 | 6 46 | 1 8 | 3 37 | 16 3 | 7 50 | 7 37 | 18 22 | 6 21 | 1 17 |
| S 16 | 12 40 | 15 19 | 2 40 | 15 26 | 0 37 | 24 25 | 5 36 | 21 25 | 2 6 | 17 20 | 1 7 | 0 39 | 2 43 | 23 47 | 0 16 | 6 46 | 1 8 | 3 37 | 16 3 | 7 50 | 7 36 | 18 21 | 6 19 | 1 17 |
| M17 | 12 59 | 17 31 | 3 43 | 16 16 | 0 48 | 24 15 | 5 31 | 21 18 | 2 5 | 17 19 | 1 7 | 0 40 | 2 43 | 23 47 | 0 16 | 6 45 | 1 8 | 3 36 | 16 3 | 7 49 | 7 34 | 18 21 | 6 17 | 1 16 |
| T 18 | 13 19 | 18 34 | 4 32 | 17 4 | 0 58 | 24 5 | 5 26 | 21 10 | 2 3 | 17 18 | 1 7 | 0 42 | 2 43 | 23 47 | 0 16 | 6 44 | 1 8 | 3 36 | 16 3 | 7 48 | 7 33 | 18 20 | 6 15 | 1 16 |
| W19 | 13 38 | 18 24 | 5 4 | 17 51 | 1 8 | 23 53 | 5 20 | 21 3 | 2 2 | 17 17 | 1 7 | 0 43 | 2 43 | 23 47 | 0 16 | 6 44 | 1 8 | 3 35 | 16 3 | 7 48 | 7 32 | 18 20 | 6 13 | 1 15 |
| T 20 | 13 57 | 17 2 | 5 15 | 18 35 | 1 17 | 23 40 | 5 13 | 20 55 | 2 1 | 17 16 | 1 7 | 0 44 | 2 43 | 23 47 | 0 16 | 6 43 | 1 8 | 3 35 | 16 3 | 7 47 | 7 31 | 18 19 | 6 11 | 1 15 |
| F 21 | 14 16 | 14 38 | 5 8 | 19 17 | 1 26 | 23 26 | 5 6 | 20 47 | 1 59 | 17 15 | 1 6 | 0 46 | 2 43 | 23 47 | 0 16 | 6 43 | 1 8 | 3 34 | 16 3 | 7 47 | 7 30 | 18 19 | 6 9 | 1 15 |
| S 22 | 14 35 | 11 24 | 4 42 | 19 57 | 1 35 | 23 11 | 4 58 | 20 40 | 1 58 | 17 14 | 1 6 | 0 47 | 2 42 | 23 47 | 0 16 | 6 42 | 1 8 | 3 34 | 16 3 | 7 47 | 7 28 | 18 18 | 6 7 | 1 14 |
| S 23 | 14 53 | 7 35 | 4 0 | 20 34 | 1 43 | 22 55 | 4 49 | 20 32 | 1 57 | 17 13 | 1 6 | 0 48 | 2 42 | 23 47 | 0 16 | 6 42 | 1 8 | 3 34 | 16 3 | 7 47 | 7 27 | 18 18 | 6 5 | 1 14 |
| M24 | 15 11 | 3 27 | 3 5 | 21 9 | 1 50 | 22 37 | 4 40 | 20 23 | 1 55 | 17 12 | 1 6 | 0 49 | 2 42 | 23 47 | 0 16 | 6 41 | 1 8 | 3 33 | 16 4 | 7 48 | 7 26 | 18 17 | 6 3 | 1 13 |
| T 25 | 15 29 | 0s48 | 2 1 | 21 42 | 1 57 | 22 18 | 4 30 | 20 15 | 1 54 | 17 10 | 1 6 | 0 50 | 2 42 | 23 47 | 0 16 | 6 40 | 1 8 | 3 33 | 16 4 | 7 48 | 7 25 | 18 17 | 6 2 | 1 13 |
| W26 | 15 47 | 4 57 | 0 52 | 22 12 | 2 3 | 21 59 | 4 19 | 20 7 | 1 53 | 17 9 | 1 6 | 0 51 | 2 42 | 23 47 | 0 16 | 6 40 | 1 8 | 3 32 | 16 4 | 7 49 | 7 24 | 18 16 | 6 0 | 1 12 |
| T 27 | 16 5 | 8 48 | 0n19 | 22 39 | 2 8 | 21 38 | 4 8 | 19 58 | 1 52 | 17 8 | 1 6 | 0 52 | 2 42 | 23 47 | 0 16 | 6 39 | 1 8 | 3 32 | 16 4 | 7 49 | 7 22 | 18 16 | 5 58 | 1 12 |
| F 28 | 16 22 | 12 11 | 1 27 | 23 4 | 2 13 | 21 16 | 3 57 | 19 50 | 1 50 | 17 6 | 1 5 | 0 53 | 2 41 | 23 47 | 0 16 | 6 39 | 1 8 | 3 32 | 16 4 | 7 48 | 7 21 | 18 15 | 5 56 | 1 11 |
| S 29 | 16 39 | 14 58 | 2 30 | 23 26 | 2 17 | 20 54 | 3 44 | 19 41 | 1 49 | 17 5 | 1 5 | 0 54 | 2 41 | 23 47 | 0 16 | 6 38 | 1 9 | 3 31 | 16 4 | 7 48 | 7 20 | 18 14 | 5 55 | 1 11 |
| S 30 | 16n55 | 17s 2 | 3n25 | 23n46 | 2n20 | 20n31 | 3n32 | 19n33 | 1n48 | 17n 3 | 1n 5 | 0n55 | 2n41 | 23n47 | 0n16 | 6s38 | 1s 9 | 3s31 | 16s 4 | 7s46 | 7s19 | 18s14 | 5s53 | 1s11 |

Julian Day Number = 2218983.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'31, Lahiri = 14°58'31 Julian Calendar 1 Apr. 1363 == Greg. Calendar 9 Apr. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## MAY 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 5 41 | 17♉47'16 | 12♐54 | 8♊ 6 | 16°R58 | 10♌26 | 16♌19 | 3°R49 | 29♊43 | 15♓55 | 0♉ 9 | 19°R44 | 18♎33 | 8♑ 4 | 12°R 3 | M 1 |
| T 2 | 15 9 38 | 18°44'58 | 24°55 | 9°34 | 16♉20 | 10°54 | 16°24 | 3♎47 | 29°45 | 15°56 | 0°10 | 19♎39 | 18°30 | 8°11 | 12♎ 0 | T 2 |
| W 3 | 15 13 34 | 19°42'39 | 6♑50 | 10°59 | 15°43 | 11°22 | 16°29 | 3°44 | 29°48 | 15°58 | 0°11 | 19°34 | 18°27 | 8°18 | 11°57 | W 3 |
| T 4 | 15 17 31 | 20°40'19 | 18°43 | 12°21 | 15° 6 | 11°51 | 16°34 | 3°42 | 29°51 | 15°59 | 0°12 | 19°30 | 18°23 | 8°24 | 11°54 | T 4 |
| F 5 | 15 21 27 | 21°37'57 | 0♒36 | 13°39 | 14°30 | 12°20 | 16°40 | 3°39 | 29°54 | 16° 0 | 0°14 | 19°26 | 18°20 | 8°31 | 11°51 | F 5 |
| S 6 | 15 25 24 | 22°35'35 | 12°34 | 14°53 | 13°55 | 12°49 | 16°45 | 3°37 | 29°57 | 16° 1 | 0°15 | 19°24 | 18°17 | 8°38 | 11°48 | S 6 |
| S 7 | 15 29 20 | 23°33'11 | 24°41 | 16° 4 | 13°22 | 13°18 | 16°51 | 3°35 | 0♋ 0 | 16° 2 | 0°16 | 19°D24 | 18°14 | 8°45 | 11°46 | S 7 |
| M 8 | 15 33 17 | 24°30'47 | 7♓ 2 | 17°11 | 12°50 | 13°48 | 16°57 | 3°33 | 0° 3 | 16° 3 | 0°18 | 19°25 | 18°11 | 8°51 | 11°43 | M 8 |
| T 9 | 15 37 14 | 25°28'21 | 19°41 | 18°14 | 12°20 | 14°17 | 17° 3 | 3°31 | 0° 7 | 16° 5 | 0°19 | 19°26 | 18° 7 | 8°58 | 11°41 | T 9 |
| W10 | 15 41 10 | 26°25'55 | 2♈42 | 19°14 | 11°51 | 14°47 | 17° 9 | 3°29 | 0°10 | 16° 6 | 0°20 | 19°27 | 18° 4 | 9° 5 | 11°38 | W10 |
| T 11 | 15 45 7 | 27°23'27 | 16° 9 | 20° 9 | 11°25 | 15°17 | 17°15 | 3°27 | 0°13 | 16° 7 | 0°21 | 19°R28 | 18° 1 | 9°11 | 11°36 | T 11 |
| F 12 | 15 49 3 | 28°20'59 | 0♉ 2 | 21° 1 | 11° 0 | 15°47 | 17°21 | 3°25 | 0°16 | 16° 8 | 0°23 | 19°28 | 17°58 | 9°18 | 11°34 | F 12 |
| S 13 | 15 53 0 | 29°18'30 | 14°20 | 21°48 | 10°38 | 16°17 | 17°28 | 3°24 | 0°19 | 16° 9 | 0°24 | 19°26 | 17°55 | 9°25 | 11°32 | S 13 |
| S 14 | 15 56 56 | 0♊16'00 | 29° 0 | 22°31 | 10°18 | 16°47 | 17°34 | 3°22 | 0°22 | 16° 9 | 0°25 | 19°22 | 17°52 | 9°32 | 11°30 | S 14 |
| M15 | 16 0 53 | 1°13'29 | 13♊55 | 23°10 | 10° 0 | 17°18 | 17°41 | 3°21 | 0°26 | 16°10 | 0°26 | 19°16 | 17°48 | 9°38 | 11°28 | M15 |
| T 16 | 16 4 49 | 2°10'57 | 28°56 | 23°45 | 9°45 | 17°48 | 17°48 | 3°19 | 0°29 | 16°11 | 0°27 | 19°10 | 17°45 | 9°45 | 11°26 | T 16 |
| W17 | 16 8 46 | 3° 8'24 | 13♋53 | 24°15 | 9°32 | 18°19 | 17°55 | 3°18 | 0°32 | 16°12 | 0°29 | 19° 4 | 17°42 | 9°52 | 11°24 | W17 |
| T 18 | 16 12 43 | 4° 5'50 | 28°39 | 24°41 | 9°21 | 18°50 | 18° 2 | 3°17 | 0°36 | 16°13 | 0°30 | 18°59 | 17°39 | 9°59 | 11°23 | T 18 |
| F 19 | 16 16 39 | 5° 3'14 | 13♌ 8 | 25° 2 | 9°13 | 19°21 | 18° 9 | 3°16 | 0°39 | 16°14 | 0°31 | 18°55 | 17°36 | 10° 5 | 11°21 | F 19 |
| S 20 | 16 20 36 | 6° 0'37 | 27°15 | 25°19 | 9° 7 | 19°52 | 18°17 | 3°15 | 0°42 | 16°14 | 0°32 | 18°53 | 17°32 | 10°12 | 11°20 | S 20 |
| S 21 | 16 24 32 | 6°57'59 | 11♍ 0 | 25°31 | 9° 3 | 20°24 | 18°24 | 3°14 | 0°46 | 16°15 | 0°33 | 18°D53 | 17°29 | 10°19 | 11°19 | S 21 |
| M22 | 16 28 29 | 7°55'20 | 24°23 | 25°38 | 9°D 2 | 20°55 | 18°32 | 3°13 | 0°49 | 16°16 | 0°34 | 18°54 | 17°26 | 10°25 | 11°17 | M22 |
| T 23 | 16 32 25 | 8°52'40 | 7♎27 | 25°R41 | 9° 4 | 21°27 | 18°40 | 3°13 | 0°52 | 16°16 | 0°36 | 18°55 | 17°23 | 10°32 | 11°16 | T 23 |
| W24 | 16 36 22 | 9°49'58 | 20°15 | 25°40 | 9° 7 | 21°58 | 18°48 | 3°12 | 0°56 | 16°17 | 0°37 | 18°R55 | 17°20 | 10°39 | 11°15 | W24 |
| T 25 | 16 40 18 | 10°47'16 | 2♏49 | 25°34 | 9°13 | 22°30 | 18°56 | 3°12 | 0°59 | 16°18 | 0°38 | 18°54 | 17°17 | 10°46 | 11°14 | T 25 |
| F 26 | 16 44 15 | 11°44'33 | 15°12 | 25°23 | 9°21 | 23° 2 | 19° 4 | 3°11 | 1° 3 | 16°18 | 0°39 | 18°51 | 17°13 | 10°52 | 11°14 | F 26 |
| S 27 | 16 48 12 | 12°41'49 | 27°26 | 25° 9 | 9°31 | 23°34 | 19°12 | 3°11 | 1° 6 | 16°19 | 0°40 | 18°46 | 17°10 | 10°59 | 11°13 | S 27 |
| S 28 | 16 52 8 | 13°39'04 | 9♐32 | 24°51 | 9°43 | 24° 6 | 19°20 | 3°11 | 1°10 | 16°19 | 0°41 | 18°38 | 17° 7 | 11° 6 | 11°13 | S 28 |
| M29 | 16 56 5 | 14°36'19 | 21°33 | 24°29 | 9°57 | 24°39 | 19°29 | 3°D11 | 1°13 | 16°20 | 0°42 | 18°28 | 17° 4 | 11°13 | 11°12 | M29 |
| T 30 | 17 0 1 | 15°33'34 | 3♑29 | 24° 4 | 10°13 | 25°11 | 19°38 | 3°11 | 1°17 | 16°20 | 0°43 | 18°18 | 17° 1 | 11°19 | 11°12 | T 30 |
| W31 | 17 3 58 | 16♊30'47 | 15♑23 | 23♊36 | 10♉31 | 25♌44 | 19♌46 | 3♎11 | 1♋20 | 16♓20 | 0♉44 | 18♎ 7 | 16♎58 | 11♑26 | 11♎12 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n12 | 18s17 | 4n10 | 24n 4 | 2n22 | 20n 8 | 3n19 | 19n24 | 1n47 | 17n 2 | 1n 5 | 0n56 | 2n41 | 23n47 | 0n16 | 6s38 | 1s 9 | 3s30 | 16s 4 | 7s45 | 7s18 | 18s13 | 5s51 | 1s10 |
| T 2 | 17 28 | 18 42 | 4 44 | 24 19 | 2 23 | 19 44 | 3 5 | 19 15 | 1 45 | 17 0 | 1 5 | 0 57 | 2 41 | 23 47 | 0 16 | 6 37 | 1 9 | 3 30 | 16 4 | 7 43 | 7 16 | 18 13 | 5 50 | 1 10 |
| W 3 | 17 43 | 18 16 | 5 5 | 24 32 | 2 24 | 19 20 | 2 52 | 19 6 | 1 44 | 16 59 | 1 5 | 0 58 | 2 40 | 23 47 | 0 16 | 6 37 | 1 9 | 3 30 | 16 4 | 7 41 | 7 15 | 18 12 | 5 48 | 1 9 |
| T 4 | 17 59 | 17 3 | 5 12 | 24 43 | 2 23 | 18 56 | 2 38 | 18 56 | 1 43 | 16 57 | 1 5 | 0 59 | 2 40 | 23 47 | 0 16 | 6 36 | 1 9 | 3 29 | 16 4 | 7 39 | 7 14 | 18 12 | 5 46 | 1 9 |
| F 5 | 18 14 | 15 6 | 5 6 | 24 52 | 2 22 | 18 32 | 2 24 | 18 47 | 1 42 | 16 55 | 1 5 | 0 59 | 2 40 | 23 47 | 0 16 | 6 36 | 1 9 | 3 29 | 16 4 | 7 38 | 7 13 | 18 11 | 5 45 | 1 8 |
| S 6 | 18 29 | 12 30 | 4 47 | 24 58 | 2 20 | 18 8 | 2 10 | 18 38 | 1 41 | 16 53 | 1 4 | 1 0 | 2 40 | 23 47 | 0 16 | 6 35 | 1 9 | 3 29 | 16 4 | 7 37 | 7 11 | 18 10 | 5 43 | 1 8 |
| S 7 | 18 43 | 9 20 | 4 15 | 25 3 | 2 16 | 17 44 | 1 55 | 18 28 | 1 40 | 16 52 | 1 4 | 1 1 | 2 40 | 23 47 | 0 16 | 6 35 | 1 9 | 3 28 | 16 5 | 7 37 | 7 10 | 18 10 | 5 42 | 1 7 |
| M 8 | 18 58 | 5 42 | 3 31 | 25 6 | 2 13 | 17 21 | 1 41 | 18 19 | 1 38 | 16 50 | 1 4 | 1 1 | 2 39 | 23 47 | 0 16 | 6 35 | 1 9 | 3 28 | 16 5 | 7 37 | 7 9 | 18 9 | 5 41 | 1 7 |
| T 9 | 19 12 | 1 43 | 2 35 | 25 7 | 2 8 | 16 58 | 1 27 | 18 9 | 1 37 | 16 48 | 1 4 | 1 2 | 2 39 | 23 47 | 0 16 | 6 34 | 1 9 | 3 28 | 16 5 | 7 38 | 7 8 | 18 9 | 5 39 | 1 7 |
| W10 | 19 25 | 2n27 | 1 30 | 25 6 | 2 2 | 16 36 | 1 13 | 17 59 | 1 36 | 16 46 | 1 4 | 1 3 | 2 39 | 23 47 | 0 16 | 6 34 | 1 9 | 3 28 | 16 5 | 7 38 | 7 7 | 18 8 | 5 38 | 1 6 |
| T 11 | 19 39 | 6 39 | 0 18 | 25 4 | 1 55 | 16 14 | 0 59 | 17 49 | 1 35 | 16 44 | 1 4 | 1 3 | 2 39 | 23 47 | 0 16 | 6 33 | 1 9 | 3 27 | 16 5 | 7 39 | 7 5 | 18 8 | 5 36 | 1 6 |
| F 12 | 19 52 | 10 38 | 0s57 | 25 1 | 1 48 | 15 53 | 0 45 | 17 39 | 1 34 | 16 42 | 1 4 | 1 4 | 2 39 | 23 47 | 0 16 | 6 33 | 1 9 | 3 27 | 16 5 | 7 39 | 7 4 | 18 7 | 5 35 | 1 5 |
| S 13 | 20 4 | 14 7 | 2 11 | 24 55 | 1 40 | 15 33 | 0 31 | 17 29 | 1 33 | 16 40 | 1 4 | 1 4 | 2 38 | 23 47 | 0 16 | 6 33 | 1 9 | 3 27 | 16 5 | 7 38 | 7 3 | 18 6 | 5 34 | 1 5 |
| S 14 | 20 16 | 16 47 | 3 18 | 24 49 | 1 30 | 15 14 | 0 18 | 17 19 | 1 32 | 16 38 | 1 4 | 1 4 | 2 38 | 23 47 | 0 16 | 6 32 | 1 9 | 3 26 | 16 5 | 7 36 | 7 2 | 18 6 | 5 33 | 1 4 |
| M15 | 20 28 | 18 22 | 4 12 | 24 41 | 1 20 | 14 56 | 0 5 | 17 8 | 1 30 | 16 35 | 1 3 | 1 5 | 2 38 | 23 47 | 0 16 | 6 32 | 1 9 | 3 26 | 16 6 | 7 34 | 7 1 | 18 5 | 5 32 | 1 4 |
| T 16 | 20 40 | 18 41 | 4 50 | 24 32 | 1 10 | 14 39 | 0s 8 | 16 58 | 1 29 | 16 33 | 1 3 | 1 5 | 2 38 | 23 47 | 0 16 | 6 32 | 1 9 | 3 26 | 16 6 | 7 32 | 6 59 | 18 5 | 5 30 | 1 3 |
| W17 | 20 51 | 17 42 | 5 7 | 24 21 | 0 58 | 14 23 | 0 20 | 16 47 | 1 28 | 16 31 | 1 3 | 1 5 | 2 38 | 23 47 | 0 16 | 6 32 | 1 9 | 3 26 | 16 6 | 7 29 | 6 58 | 18 4 | 5 29 | 1 3 |
| T 18 | 21 2 | 15 32 | 5 4 | 24 10 | 0 45 | 14 9 | 0 32 | 16 37 | 1 27 | 16 29 | 1 3 | 1 6 | 2 37 | 23 47 | 0 16 | 6 31 | 1 9 | 3 25 | 16 6 | 7 27 | 6 57 | 18 3 | 5 28 | 1 2 |
| F 19 | 21 13 | 12 26 | 4 42 | 23 58 | 0 32 | 13 55 | 0 44 | 16 26 | 1 26 | 16 26 | 1 3 | 1 6 | 2 37 | 23 47 | 0 16 | 6 31 | 1 9 | 3 25 | 16 6 | 7 26 | 6 56 | 18 3 | 5 27 | 1 2 |
| S 20 | 21 23 | 8 40 | 4 2 | 23 44 | 0 18 | 13 43 | 0 55 | 16 15 | 1 25 | 16 24 | 1 3 | 1 6 | 2 37 | 23 47 | 0 16 | 6 31 | 1 9 | 3 25 | 16 6 | 7 25 | 6 54 | 18 2 | 5 26 | 1 2 |
| S 21 | 21 33 | 4 32 | 3 10 | 23 30 | 0 4 | 13 31 | 1 6 | 16 4 | 1 24 | 16 21 | 1 3 | 1 6 | 2 37 | 23 47 | 0 16 | 6 31 | 1 10 | 3 25 | 16 7 | 7 25 | 6 53 | 18 2 | 5 26 | 1 1 |
| M22 | 21 42 | 0 16 | 2 8 | 23 15 | 0s12 | 13 21 | 1 17 | 15 53 | 1 23 | 16 19 | 1 3 | 1 6 | 2 36 | 23 47 | 0 16 | 6 30 | 1 10 | 3 24 | 16 7 | 7 25 | 6 52 | 18 1 | 5 25 | 1 1 |
| T 23 | 21 51 | 3s54 | 1 1 | 23 0 | 0 27 | 13 12 | 1 27 | 15 42 | 1 22 | 16 16 | 1 3 | 1 6 | 2 36 | 23 47 | 0 16 | 6 30 | 1 10 | 3 24 | 16 7 | 7 26 | 6 51 | 18 0 | 5 24 | 1 0 |
| W24 | 22 0 | 7 50 | 0n 7 | 22 43 | 0 44 | 13 4 | 1 36 | 15 30 | 1 21 | 16 14 | 1 2 | 1 6 | 2 36 | 23 47 | 0 16 | 6 30 | 1 10 | 3 24 | 16 7 | 7 26 | 6 50 | 18 0 | 5 23 | 1 0 |
| T 25 | 22 8 | 11 20 | 1 14 | 22 27 | 1 0 | 12 57 | 1 45 | 15 19 | 1 20 | 16 11 | 1 2 | 1 6 | 2 36 | 23 47 | 0 16 | 6 30 | 1 10 | 3 24 | 16 7 | 7 26 | 6 48 | 17 59 | 5 22 | 0 59 |
| F 26 | 22 16 | 14 16 | 2 16 | 22 9 | 1 17 | 12 51 | 1 54 | 15 7 | 1 19 | 16 9 | 1 2 | 1 6 | 2 35 | 23 47 | 0 16 | 6 30 | 1 10 | 3 24 | 16 7 | 7 24 | 6 47 | 17 59 | 5 22 | 0 59 |
| S 27 | 22 24 | 16 33 | 3 11 | 21 52 | 1 34 | 12 46 | 2 3 | 14 56 | 1 18 | 16 6 | 1 2 | 1 6 | 2 35 | 23 47 | 0 16 | 6 29 | 1 10 | 3 24 | 16 8 | 7 22 | 6 46 | 17 58 | 5 21 | 0 58 |
| S 28 | 22 31 | 18 3 | 3 57 | 21 34 | 1 51 | 12 42 | 2 11 | 14 44 | 1 17 | 16 3 | 1 2 | 1 6 | 2 35 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 8 | 7 19 | 6 45 | 17 57 | 5 20 | 0 58 |
| M29 | 22 38 | 18 44 | 4 32 | 21 17 | 2 8 | 12 40 | 2 18 | 14 32 | 1 16 | 16 0 | 1 2 | 1 6 | 2 35 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 8 | 7 16 | 6 44 | 17 57 | 5 20 | 0 58 |
| T 30 | 22 44 | 18 34 | 4 54 | 20 59 | 2 24 | 12 38 | 2 25 | 14 21 | 1 15 | 15 58 | 1 2 | 1 5 | 2 34 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 8 | 7 12 | 6 42 | 17 56 | 5 19 | 0 57 |
| W31 | 22n50 | 17s36 | 5n 4 | 20n42 | 2s40 | 12n37 | 2s32 | 14n 9 | 1n14 | 15n55 | 1n 2 | 1n 5 | 2n34 | 23n47 | 0n16 | 6s29 | 1s10 | 3s23 | 16s 8 | 7s 8 | 6s41 | 17s55 | 5s19 | 0s57 |

Julian Day Number = 2219013.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'35, Lahiri = 14°58'35 Julian Calendar 1 May 1363 == Greg. Calendar 9 May 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## JUNE 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 7 54 | 17♊28'01 | 27♉15 | 23°R 5 | 10♉51 | 26♌16 | 19♌55 | 3♎11 | 1♋24 | 16♓21 | 0♉45 | 17°R57 | 16♎54 | 11♉33 | 11°D12 | T 1 |
| F 2 | 17 11 51 | 18°25'14 | 9♒ 8 | 22♊33 | 11°12 | 26°49 | 20° 4 | 3°12 | 1°27 | 16°21 | 0°46 | 17♎49 | 16°51 | 11°39 | 11♎12 | F 2 |
| S 3 | 17 15 47 | 19°22'27 | 21° 6 | 21°59 | 11°36 | 27°22 | 20°13 | 3°12 | 1°31 | 16°21 | 0°47 | 17°43 | 16°48 | 11°46 | 11°12 | S 3 |
| S 4 | 17 19 44 | 20°19'39 | 3♓12 | 21°25 | 12° 1 | 27°55 | 20°22 | 3°13 | 1°34 | 16°22 | 0°48 | 17°39 | 16°45 | 11°53 | 11°12 | S 4 |
| M 5 | 17 23 41 | 21°16'52 | 15°30 | 20°50 | 12°28 | 28°28 | 20°31 | 3°13 | 1°38 | 16°22 | 0°49 | 17°38 | 16°42 | 12° 0 | 11°12 | M 5 |
| T 6 | 17 27 37 | 22°14'04 | 28° 6 | 20°16 | 12°56 | 29° 2 | 20°41 | 3°14 | 1°42 | 16°22 | 0°50 | 17°D38 | 16°38 | 12° 6 | 11°13 | T 6 |
| W 7 | 17 31 34 | 23°11'16 | 11♈ 3 | 19°43 | 13°25 | 29°35 | 20°50 | 3°15 | 1°45 | 16°22 | 0°51 | 17°R38 | 16°35 | 12°13 | 11°13 | W 7 |
| T 8 | 17 35 30 | 24° 8'28 | 24°25 | 19°11 | 13°57 | 0♍ 8 | 21° 0 | 3°16 | 1°49 | 16°22 | 0°52 | 17°38 | 16°32 | 12°20 | 11°14 | T 8 |
| F 9 | 17 39 27 | 25° 5'41 | 8♉16 | 18°41 | 14°29 | 0°42 | 21° 9 | 3°17 | 1°52 | 16°22 | 0°53 | 17°37 | 16°29 | 12°26 | 11°15 | F 9 |
| S 10 | 17 43 23 | 26° 2'53 | 22°36 | 18°14 | 15° 3 | 1°16 | 21°19 | 3°18 | 1°56 | 16°23 | 0°53 | 17°33 | 16°26 | 12°33 | 11°16 | S 10 |
| S 11 | 17 47 20 | 27° 0'05 | 7♊22 | 17°50 | 15°38 | 1°49 | 21°29 | 3°19 | 2° 0 | 16°R23 | 0°54 | 17°27 | 16°23 | 12°40 | 11°17 | S 11 |
| M12 | 17 51 16 | 27°57'18 | 22°27 | 17°30 | 16°14 | 2°23 | 21°39 | 3°21 | 2° 3 | 16°23 | 0°55 | 17°18 | 16°19 | 12°47 | 11°18 | M12 |
| T 13 | 17 55 13 | 28°54'30 | 7♋43 | 17°13 | 16°52 | 2°57 | 21°49 | 3°22 | 2° 7 | 16°23 | 0°56 | 17° 8 | 16°16 | 12°53 | 11°19 | T 13 |
| W14 | 17 59 10 | 29°51'42 | 22°58 | 17° 0 | 17°30 | 3°32 | 21°59 | 3°24 | 2°10 | 16°22 | 0°57 | 16°58 | 16°13 | 13° 0 | 11°21 | W14 |
| T 15 | 18 3 6 | 0♋48'54 | 8♌ 1 | 16°52 | 18°10 | 4° 6 | 22° 9 | 3°25 | 2°14 | 16°22 | 0°58 | 16°49 | 16°10 | 13° 7 | 11°22 | T 15 |
| F 16 | 18 7 3 | 1°46'05 | 22°44 | 16°D49 | 18°51 | 4°40 | 22°19 | 3°27 | 2°18 | 16°22 | 0°58 | 16°42 | 16° 7 | 13°14 | 11°24 | F 16 |
| S 17 | 18 10 59 | 2°43'17 | 7♍ 1 | 16°50 | 19°33 | 5°14 | 22°30 | 3°29 | 2°21 | 16°22 | 0°59 | 16°38 | 16° 4 | 13°20 | 11°25 | S 17 |
| S 18 | 18 14 56 | 3°40'28 | 20°51 | 16°57 | 20°15 | 5°49 | 22°40 | 3°31 | 2°25 | 16°22 | 1° 0 | 16°36 | 16° 0 | 13°27 | 11°27 | S 18 |
| M19 | 18 18 52 | 4°37'38 | 4♎15 | 17° 8 | 20°59 | 6°24 | 22°50 | 3°33 | 2°29 | 16°22 | 1° 0 | 16°D35 | 15°57 | 13°34 | 11°29 | M19 |
| T 20 | 18 22 49 | 5°34'49 | 17°15 | 17°25 | 21°43 | 6°58 | 23° 1 | 3°35 | 2°32 | 16°21 | 1° 1 | 16°R36 | 15°54 | 13°40 | 11°31 | T 20 |
| W21 | 18 26 45 | 6°31'59 | 29°54 | 17°46 | 22°29 | 7°33 | 23°12 | 3°37 | 2°36 | 16°21 | 1° 2 | 16°35 | 15°51 | 13°47 | 11°33 | W21 |
| T 22 | 18 30 42 | 7°29'10 | 12♏19 | 18°13 | 23°15 | 8° 8 | 23°22 | 3°39 | 2°39 | 16°21 | 1° 2 | 16°33 | 15°48 | 13°54 | 11°35 | T 22 |
| F 23 | 18 34 39 | 8°26'20 | 24°31 | 18°45 | 24° 2 | 8°43 | 23°33 | 3°42 | 2°43 | 16°20 | 1° 3 | 16°28 | 15°44 | 14° 1 | 11°38 | F 23 |
| S 24 | 18 38 35 | 9°23'30 | 6♐35 | 19°22 | 24°50 | 9°18 | 23°44 | 3°44 | 2°47 | 16°20 | 1° 4 | 16°21 | 15°41 | 14° 7 | 11°40 | S 24 |
| S 25 | 18 42 32 | 10°20'41 | 18°34 | 20° 4 | 25°38 | 9°53 | 23°55 | 3°47 | 2°50 | 16°20 | 1° 4 | 16°11 | 15°38 | 14°14 | 11°43 | S 25 |
| M26 | 18 46 28 | 11°17'52 | 0♑29 | 20°51 | 26°28 | 10°28 | 24° 6 | 3°50 | 2°54 | 16°19 | 1° 5 | 15°58 | 15°35 | 14°21 | 11°45 | M26 |
| T 27 | 18 50 25 | 12°15'03 | 12°22 | 21°43 | 27°18 | 11° 4 | 24°17 | 3°52 | 2°57 | 16°19 | 1° 5 | 15°45 | 15°32 | 14°28 | 11°48 | T 27 |
| W28 | 18 54 21 | 13°12'14 | 24°14 | 22°39 | 28° 8 | 11°39 | 24°28 | 3°55 | 3° 1 | 16°18 | 1° 6 | 15°31 | 15°29 | 14°34 | 11°51 | W28 |
| T 29 | 18 58 18 | 14° 9'26 | 6♒ 8 | 23°41 | 29° 0 | 12°15 | 24°40 | 3°58 | 3° 5 | 16°18 | 1° 7 | 15°18 | 15°25 | 14°41 | 11°54 | T 29 |
| F 30 | 19 2 14 | 15♋ 6'38 | 18♒ 5 | 24♊48 | 29♉51 | 12♍50 | 24♌51 | 4♎ 1 | 3♋ 8 | 16♓17 | 1♉ 7 | 15♎ 7 | 15♎22 | 14♑48 | 11♎57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 15s52 | 5n 0 | 20n25 | 2s56 | 12n37 | 2s39 | 13n56 | 1n13 | 15n52 | 1n 2 | 1n 5 | 2n34 | 23n47 | 0n16 | 6s29 | 1s10 | 3s23 | 16s 9 | 7s 4 | 6s40 | 17s55 | 5s18 | 0s56 |
| F 2 | 23 1 | 13 28 | 4 44 | 20 8 | 3 11 | 12 38 | 2 45 | 13 44 | 1 12 | 15 49 | 1 2 | 1 4 | 2 34 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 9 | 7 1 | 6 39 | 17 54 | 5 18 | 0 56 |
| S 3 | 23 6 | 10 29 | 4 15 | 19 52 | 3 25 | 12 39 | 2 51 | 13 32 | 1 11 | 15 46 | 1 2 | 1 4 | 2 33 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 9 | 6 59 | 6 37 | 17 53 | 5 18 | 0 55 |
| S 4 | 23 10 | 7 3 | 3 34 | 19 37 | 3 38 | 12 42 | 2 56 | 13 20 | 1 10 | 15 43 | 1 1 | 1 4 | 2 33 | 23 47 | 0 16 | 6 29 | 1 10 | 3 23 | 16 9 | 6 57 | 6 36 | 17 53 | 5 17 | 0 55 |
| M 5 | 23 14 | 3 14 | 2 43 | 19 23 | 3 50 | 12 45 | 3 1 | 13 7 | 1 9 | 15 40 | 1 1 | 1 3 | 2 33 | 23 47 | 0 16 | 6 29 | 1 10 | 3 22 | 16 10 | 6 57 | 6 35 | 17 52 | 5 17 | 0 54 |
| T 6 | 23 17 | 0n48 | 1 42 | 19 10 | 4 0 | 12 49 | 3 6 | 12 55 | 1 8 | 15 37 | 1 1 | 1 3 | 2 33 | 23 47 | 0 16 | 6 29 | 1 10 | 3 22 | 16 10 | 6 57 | 6 34 | 17 51 | 5 17 | 0 54 |
| W 7 | 23 21 | 4 55 | 0 35 | 18 58 | 4 10 | 12 54 | 3 10 | 12 42 | 1 7 | 15 34 | 1 1 | 1 2 | 2 32 | 23 46 | 0 16 | 6 29 | 1 10 | 3 22 | 16 10 | 6 57 | 6 33 | 17 51 | 5 17 | 0 54 |
| T 8 | 23 23 | 8 56 | 0s36 | 18 48 | 4 17 | 12 59 | 3 14 | 12 29 | 1 6 | 15 31 | 1 1 | 1 1 | 2 32 | 23 46 | 0 16 | 6 29 | 1 10 | 3 22 | 16 10 | 6 57 | 6 31 | 17 50 | 5 16 | 0 53 |
| F 9 | 23 26 | 12 37 | 1 47 | 18 39 | 4 24 | 13 5 | 3 18 | 12 17 | 1 5 | 15 28 | 1 1 | 1 1 | 2 32 | 23 46 | 0 16 | 6 29 | 1 10 | 3 22 | 16 11 | 6 56 | 6 30 | 17 49 | 5 16 | 0 53 |
| S 10 | 23 28 | 15 40 | 2 54 | 18 32 | 4 29 | 13 11 | 3 22 | 12 4 | 1 4 | 15 24 | 1 1 | 1 0 | 2 32 | 23 46 | 0 16 | 6 29 | 1 10 | 3 22 | 16 11 | 6 55 | 6 29 | 17 49 | 5 16 | 0 52 |
| S 11 | 23 29 | 17 48 | 3 52 | 18 26 | 4 32 | 13 18 | 3 25 | 11 51 | 1 3 | 15 21 | 1 1 | 0 59 | 2 32 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 11 | 6 52 | 6 28 | 17 48 | 5 16 | 0 52 |
| M12 | 23 30 | 18 44 | 4 34 | 18 23 | 4 34 | 13 26 | 3 28 | 11 38 | 1 2 | 15 18 | 1 1 | 0 59 | 2 31 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 11 | 6 49 | 6 26 | 17 47 | 5 16 | 0 51 |
| T 13 | 23 31 | 18 20 | 4 58 | 18 20 | 4 35 | 13 34 | 3 31 | 11 24 | 1 1 | 15 14 | 1 1 | 0 58 | 2 31 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 12 | 6 45 | 6 25 | 17 47 | 5 16 | 0 51 |
| W14 | 23 31 | 16 37 | 5 0 | 18 20 | 4 34 | 13 42 | 3 33 | 11 11 | 1 0 | 15 11 | 1 1 | 0 57 | 2 31 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 12 | 6 41 | 6 24 | 17 46 | 5 17 | 0 51 |
| T 15 | 23 31 | 13 47 | 4 42 | 18 22 | 4 32 | 13 51 | 3 35 | 10 58 | 0 59 | 15 8 | 1 1 | 0 56 | 2 31 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 12 | 6 38 | 6 23 | 17 45 | 5 17 | 0 50 |
| F 16 | 23 30 | 10 8 | 4 5 | 18 25 | 4 28 | 14 0 | 3 37 | 10 44 | 0 59 | 15 4 | 1 1 | 0 55 | 2 30 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 12 | 6 35 | 6 21 | 17 45 | 5 17 | 0 50 |
| S 17 | 23 29 | 5 58 | 3 13 | 18 29 | 4 24 | 14 10 | 3 39 | 10 31 | 0 58 | 15 1 | 1 0 | 0 54 | 2 30 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 13 | 6 34 | 6 20 | 17 44 | 5 17 | 0 49 |
| S 18 | 23 28 | 1 37 | 2 12 | 18 36 | 4 18 | 14 19 | 3 41 | 10 17 | 0 57 | 14 57 | 1 0 | 0 53 | 2 30 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 13 | 6 33 | 6 19 | 17 43 | 5 18 | 0 49 |
| M19 | 23 26 | 2s41 | 1 5 | 18 44 | 4 11 | 14 30 | 3 42 | 10 4 | 0 56 | 14 54 | 1 0 | 0 52 | 2 30 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 13 | 6 33 | 6 18 | 17 43 | 5 18 | 0 48 |
| T 20 | 23 24 | 6 44 | 0n 3 | 18 53 | 4 3 | 14 40 | 3 43 | 9 50 | 0 55 | 14 50 | 1 0 | 0 51 | 2 29 | 23 46 | 0 16 | 6 29 | 1 11 | 3 22 | 16 14 | 6 33 | 6 17 | 17 42 | 5 18 | 0 48 |
| W21 | 23 21 | 10 23 | 1 10 | 19 4 | 3 54 | 14 51 | 3 44 | 9 36 | 0 54 | 14 47 | 1 0 | 0 50 | 2 29 | 23 46 | 0 16 | 6 30 | 1 11 | 3 22 | 16 14 | 6 32 | 6 15 | 17 41 | 5 19 | 0 48 |
| T 22 | 23 18 | 13 30 | 2 12 | 19 16 | 3 45 | 15 1 | 3 44 | 9 22 | 0 53 | 14 43 | 1 0 | 0 49 | 2 29 | 23 46 | 0 16 | 6 30 | 1 11 | 3 22 | 16 14 | 6 32 | 6 14 | 17 41 | 5 19 | 0 47 |
| F 23 | 23 15 | 15 57 | 3 6 | 19 29 | 3 34 | 15 13 | 3 45 | 9 8 | 0 52 | 14 39 | 1 0 | 0 48 | 2 29 | 23 46 | 0 16 | 6 30 | 1 11 | 3 22 | 16 14 | 6 30 | 6 13 | 17 40 | 5 20 | 0 47 |
| S 24 | 23 11 | 17 41 | 3 51 | 19 43 | 3 23 | 15 24 | 3 45 | 8 54 | 0 51 | 14 36 | 1 0 | 0 47 | 2 28 | 23 46 | 0 16 | 6 30 | 1 11 | 3 22 | 16 15 | 6 27 | 6 12 | 17 39 | 5 20 | 0 46 |
| S 25 | 23 7 | 18 36 | 4 26 | 19 57 | 3 12 | 15 35 | 3 45 | 8 40 | 0 51 | 14 32 | 1 0 | 0 45 | 2 28 | 23 45 | 0 16 | 6 30 | 1 11 | 3 22 | 16 15 | 6 23 | 6 10 | 17 38 | 5 21 | 0 46 |
| M26 | 23 2 | 18 42 | 4 49 | 20 13 | 3 0 | 15 47 | 3 45 | 8 26 | 0 50 | 14 28 | 1 0 | 0 44 | 2 28 | 23 45 | 0 16 | 6 31 | 1 11 | 3 22 | 16 15 | 6 18 | 6 9 | 17 38 | 5 22 | 0 45 |
| T 27 | 22 57 | 17 59 | 4 59 | 20 29 | 2 47 | 15 58 | 3 45 | 8 12 | 0 49 | 14 25 | 1 0 | 0 43 | 2 28 | 23 45 | 0 16 | 6 31 | 1 11 | 3 23 | 16 16 | 6 13 | 6 8 | 17 37 | 5 22 | 0 45 |
| W28 | 22 52 | 16 29 | 4 56 | 20 45 | 2 34 | 16 10 | 3 45 | 7 57 | 0 48 | 14 21 | 1 0 | 0 41 | 2 27 | 23 45 | 0 16 | 6 31 | 1 11 | 3 23 | 16 16 | 6 8 | 6 7 | 17 36 | 5 23 | 0 45 |
| T 29 | 22 46 | 14 16 | 4 40 | 21 1 | 2 21 | 16 21 | 3 44 | 7 43 | 0 47 | 14 17 | 1 0 | 0 40 | 2 27 | 23 45 | 0 16 | 6 31 | 1 11 | 3 23 | 16 16 | 6 3 | 6 6 | 17 36 | 5 24 | 0 44 |
| F 30 | 22n40 | 11s28 | 4n12 | 21n18 | 2s 7 | 16n33 | 3s43 | 7n28 | 0n46 | 14n13 | 1n 0 | 0n39 | 2n27 | 23n45 | 0n16 | 6s32 | 1s11 | 3s23 | 16s16 | 5s58 | 6s 4 | 17s35 | 5s25 | 0s44 |

Julian Day Number = 2219044.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'39, Lahiri = 14°58'39 Julian Calendar 1 June 1363 == Greg. Calendar 9 June 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## JULY 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 6 11 | 16♋ 3'51 | 0♓ 6 | 25♊59 | 0♊44 | 13♍26 | 25♌ 2 | 4♎ 4 | 3♋12 | 16°R16 | 1♉ 8 | 14°R59 | 15♎19 | 14♑54 | 12♎ 0 | S 1 |
| S 2 | 19 10 8 | 17° 1'05 | 12°15 | 27°15 | 1°37 | 14° 2 | 25°14 | 4° 7 | 3°15 | 16♓16 | 1° 8 | 14♎53 | 15°16 | 15° 1 | 12° 3 | S 2 |
| M 3 | 19 14 4 | 17°58'19 | 24°35 | 28°35 | 2°31 | 14°38 | 25°25 | 4°11 | 3°19 | 16°15 | 1° 8 | 14°50 | 15°13 | 15° 8 | 12° 7 | M 3 |
| T 4 | 19 18 1 | 18°55'34 | 7♈10 | 29°59 | 3°25 | 15°13 | 25°37 | 4°14 | 3°22 | 16°14 | 1° 9 | 14°49 | 15°10 | 15°15 | 12°10 | T 4 |
| W 5 | 19 21 57 | 19°52'50 | 20° 4 | 1♋29 | 4°20 | 15°49 | 25°48 | 4°18 | 3°26 | 16°14 | 1° 9 | 14°49 | 15° 6 | 15°21 | 12°14 | W 5 |
| T 6 | 19 25 54 | 20°50'06 | 3♉21 | 3° 2 | 5°15 | 16°26 | 26° 0 | 4°21 | 3°29 | 16°13 | 1°10 | 14°49 | 15° 3 | 15°28 | 12°18 | T 6 |
| F 7 | 19 29 50 | 21°47'24 | 17° 5 | 4°40 | 6°11 | 17° 2 | 26°12 | 4°25 | 3°33 | 16°12 | 1°10 | 14°47 | 15° 0 | 15°35 | 12°21 | F 7 |
| S 8 | 19 33 47 | 22°44'43 | 1♊17 | 6°21 | 7° 7 | 17°38 | 26°24 | 4°28 | 3°36 | 16°11 | 1°10 | 14°43 | 14°57 | 15°41 | 12°25 | S 8 |
| S 9 | 19 37 43 | 23°42'03 | 15°55 | 8° 6 | 8° 4 | 18°14 | 26°35 | 4°32 | 3°40 | 16°11 | 1°11 | 14°37 | 14°54 | 15°48 | 12°29 | S 9 |
| M10 | 19 41 40 | 24°39'23 | 0♋56 | 9°54 | 9° 1 | 18°51 | 26°47 | 4°36 | 3°43 | 16°10 | 1°11 | 14°28 | 14°50 | 15°55 | 12°33 | M10 |
| T 11 | 19 45 37 | 25°36'45 | 16°11 | 11°45 | 9°58 | 19°27 | 26°59 | 4°40 | 3°47 | 16° 9 | 1°11 | 14°18 | 14°47 | 16° 2 | 12°37 | T 11 |
| W12 | 19 49 33 | 26°34'08 | 1♌29 | 13°39 | 10°56 | 20° 4 | 27°11 | 4°44 | 3°50 | 16° 8 | 1°12 | 14° 7 | 14°44 | 16° 8 | 12°42 | W12 |
| T 13 | 19 53 30 | 27°31'31 | 16°38 | 15°36 | 11°55 | 20°41 | 27°23 | 4°48 | 3°53 | 16° 7 | 1°12 | 13°58 | 14°41 | 16°15 | 12°46 | T 13 |
| F 14 | 19 57 26 | 28°28'55 | 1♍30 | 17°35 | 12°54 | 21°18 | 27°35 | 4°52 | 3°57 | 16° 6 | 1°12 | 13°50 | 14°38 | 16°22 | 12°50 | F 14 |
| S 15 | 20 1 23 | 29°26'19 | 15°56 | 19°35 | 13°53 | 21°54 | 27°48 | 4°57 | 4° 0 | 16° 5 | 1°12 | 13°45 | 14°35 | 16°29 | 12°55 | S 15 |
| S 16 | 20 5 19 | 0♌23'44 | 29°54 | 21°37 | 14°52 | 22°31 | 28° 0 | 5° 1 | 4° 4 | 16° 4 | 1°12 | 13°43 | 14°31 | 16°35 | 12°59 | S 16 |
| M17 | 20 9 16 | 1°21'10 | 13♎23 | 23°41 | 15°52 | 23° 8 | 28°12 | 5° 5 | 4° 7 | 16° 3 | 1°13 | 13°D42 | 14°28 | 16°42 | 13° 4 | M17 |
| T 18 | 20 13 12 | 2°18'37 | 26°25 | 25°45 | 16°52 | 23°46 | 28°24 | 5°10 | 4°10 | 16° 2 | 1°13 | 13°R42 | 14°25 | 16°49 | 13° 9 | T 18 |
| W19 | 20 17 9 | 3°16'04 | 9♏ 5 | 27°49 | 17°53 | 24°23 | 28°37 | 5°14 | 4°13 | 16° 1 | 1°13 | 13°42 | 14°22 | 16°55 | 13°14 | W19 |
| T 20 | 20 21 6 | 4°13'33 | 21°27 | 29°54 | 18°54 | 25° 0 | 28°49 | 5°19 | 4°17 | 16° 0 | 1°13 | 13°41 | 14°19 | 17° 2 | 13°19 | T 20 |
| F 21 | 20 25 2 | 5°11'02 | 3♐36 | 1♌58 | 19°55 | 25°37 | 29° 1 | 5°24 | 4°20 | 15°59 | 1°13 | 13°38 | 14°16 | 17° 9 | 13°24 | F 21 |
| S 22 | 20 28 59 | 6° 8'32 | 15°35 | 4° 3 | 20°56 | 26°15 | 29°14 | 5°29 | 4°23 | 15°57 | 1°13 | 13°32 | 14°12 | 17°16 | 13°29 | S 22 |
| S 23 | 20 32 55 | 7° 6'02 | 27°30 | 6° 6 | 21°58 | 26°52 | 29°26 | 5°33 | 4°26 | 15°56 | 1°13 | 13°23 | 14° 9 | 17°22 | 13°34 | S 23 |
| M24 | 20 36 52 | 8° 3'34 | 9♑22 | 8° 9 | 23° 0 | 27°30 | 29°39 | 5°38 | 4°30 | 15°55 | 1°R13 | 13°13 | 14° 6 | 17°29 | 13°39 | M24 |
| T 25 | 20 40 48 | 9° 1'07 | 21°15 | 10°11 | 24° 2 | 28° 8 | 29°51 | 5°43 | 4°33 | 15°54 | 1°13 | 13° 1 | 14° 3 | 17°36 | 13°45 | T 25 |
| W26 | 20 44 45 | 9°58'41 | 3♒10 | 12°13 | 25° 5 | 28°45 | 0♍ 4 | 5°48 | 4°36 | 15°53 | 1°13 | 12°49 | 14° 0 | 17°43 | 13°50 | W26 |
| T 27 | 20 48 41 | 10°56'16 | 15° 8 | 14°12 | 26° 8 | 29°23 | 0°16 | 5°54 | 4°39 | 15°51 | 1°13 | 12°38 | 13°56 | 17°49 | 13°56 | T 27 |
| F 28 | 20 52 38 | 11°53'52 | 27°12 | 16°11 | 27°11 | 0♎ 1 | 0°29 | 5°59 | 4°42 | 15°50 | 1°13 | 12°29 | 13°53 | 17°56 | 14° 1 | F 28 |
| S 29 | 20 56 35 | 12°51'30 | 9♓22 | 18° 9 | 28°15 | 0°39 | 0°42 | 6° 4 | 4°45 | 15°49 | 1°13 | 12°22 | 13°50 | 18° 3 | 14° 7 | S 29 |
| S 30 | 21 0 31 | 13°49'09 | 21°40 | 20° 5 | 29°18 | 1°17 | 0°54 | 6° 9 | 4°48 | 15°47 | 1°13 | 12°17 | 13°47 | 18° 9 | 14°13 | S 30 |
| M31 | 21 4 28 | 14♌46'50 | 4♈ 9 | 22♌ 0 | 0♋22 | 1♎55 | 1♍ 7 | 6♎15 | 4♋51 | 15♓46 | 1♉13 | 12♎15 | 13♎44 | 18♑16 | 14♎19 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n33 | 8s 9 | 3n33 | 21n34 | 1s54 | 16n45 | 3s42 | 7n14 | 0n45 | 14n 9 | 1n 0 | 0n37 | 2n27 | 23n45 | 0n16 | 6s32 | 1s11 | 3s23 | 16s17 | 5s55 | 6s 3 | 17s34 | 5s26 | 0s43 |
| S 2 | 22 26 | 4 29 | 2 43 | 21 49 | 1 40 | 16 57 | 3 41 | 6 59 | 0 45 | 14 5 | 1 0 | 0 36 | 2 27 | 23 45 | 0 16 | 6 32 | 1 12 | 3 23 | 16 17 | 5 53 | 6 2 | 17 33 | 5 26 | 0 43 |
| M 3 | 22 18 | 0 33 | 1 45 | 22 5 | 1 26 | 17 8 | 3 40 | 6 45 | 0 44 | 14 1 | 1 0 | 0 34 | 2 26 | 23 45 | 0 16 | 6 32 | 1 12 | 3 23 | 16 17 | 5 52 | 6 1 | 17 33 | 5 27 | 0 43 |
| T 4 | 22 11 | 3n28 | 0 40 | 22 19 | 1 12 | 17 20 | 3 39 | 6 30 | 0 43 | 13 58 | 1 0 | 0 33 | 2 26 | 23 45 | 0 16 | 6 33 | 1 12 | 3 23 | 16 18 | 5 52 | 5 59 | 17 32 | 5 28 | 0 42 |
| W 5 | 22 2 | 7 26 | 0s28 | 22 32 | 0 59 | 17 31 | 3 37 | 6 15 | 0 42 | 13 54 | 1 0 | 0 31 | 2 26 | 23 45 | 0 16 | 6 33 | 1 12 | 3 24 | 16 18 | 5 52 | 5 58 | 17 31 | 5 29 | 0 42 |
| T 6 | 21 54 | 11 10 | 1 36 | 22 44 | 0 45 | 17 43 | 3 36 | 6 0 | 0 41 | 13 50 | 0 59 | 0 30 | 2 26 | 23 45 | 0 16 | 6 33 | 1 12 | 3 24 | 16 18 | 5 51 | 5 57 | 17 30 | 5 31 | 0 41 |
| F 7 | 21 45 | 14 24 | 2 42 | 22 54 | 0 32 | 17 54 | 3 34 | 5 45 | 0 40 | 13 46 | 0 59 | 0 28 | 2 25 | 23 45 | 0 16 | 6 34 | 1 12 | 3 24 | 16 19 | 5 51 | 5 56 | 17 30 | 5 32 | 0 41 |
| S 8 | 21 36 | 16 54 | 3 39 | 23 3 | 0 19 | 18 5 | 3 32 | 5 30 | 0 39 | 13 41 | 0 59 | 0 26 | 2 25 | 23 45 | 0 16 | 6 34 | 1 12 | 3 24 | 16 19 | 5 49 | 5 54 | 17 29 | 5 33 | 0 41 |
| S 9 | 21 26 | 18 23 | 4 24 | 23 10 | 0 6 | 18 16 | 3 30 | 5 15 | 0 39 | 13 37 | 0 59 | 0 24 | 2 25 | 23 44 | 0 16 | 6 34 | 1 12 | 3 24 | 16 19 | 5 47 | 5 53 | 17 28 | 5 34 | 0 40 |
| M10 | 21 16 | 18 38 | 4 53 | 23 15 | 0n 6 | 18 27 | 3 28 | 5 0 | 0 38 | 13 33 | 0 59 | 0 23 | 2 25 | 23 44 | 0 16 | 6 35 | 1 12 | 3 24 | 16 20 | 5 43 | 5 52 | 17 27 | 5 35 | 0 40 |
| T 11 | 21 5 | 17 33 | 5 1 | 23 18 | 0 18 | 18 38 | 3 26 | 4 45 | 0 37 | 13 29 | 0 59 | 0 21 | 2 25 | 23 44 | 0 16 | 6 35 | 1 12 | 3 25 | 16 20 | 5 39 | 5 51 | 17 27 | 5 36 | 0 39 |
| W12 | 20 55 | 15 13 | 4 47 | 23 18 | 0 29 | 18 48 | 3 23 | 4 30 | 0 36 | 13 25 | 0 59 | 0 19 | 2 24 | 23 44 | 0 16 | 6 36 | 1 12 | 3 25 | 16 20 | 5 35 | 5 50 | 17 26 | 5 38 | 0 39 |
| T 13 | 20 44 | 11 52 | 4 14 | 23 15 | 0 39 | 18 58 | 3 21 | 4 15 | 0 35 | 13 21 | 0 59 | 0 17 | 2 24 | 23 44 | 0 16 | 6 36 | 1 12 | 3 25 | 16 20 | 5 32 | 5 48 | 17 25 | 5 39 | 0 39 |
| F 14 | 20 32 | 7 48 | 3 24 | 23 10 | 0 49 | 19 8 | 3 19 | 4 0 | 0 35 | 13 17 | 0 59 | 0 16 | 2 24 | 23 44 | 0 16 | 6 36 | 1 12 | 3 25 | 16 21 | 5 29 | 5 47 | 17 24 | 5 40 | 0 38 |
| S 15 | 20 20 | 3 23 | 2 22 | 23 3 | 0 58 | 19 18 | 3 16 | 3 44 | 0 34 | 13 12 | 0 59 | 0 14 | 2 24 | 23 44 | 0 16 | 6 37 | 1 12 | 3 26 | 16 21 | 5 27 | 5 46 | 17 24 | 5 42 | 0 38 |
| S 16 | 20 8 | 1s 4 | 1 13 | 22 52 | 1 7 | 19 27 | 3 13 | 3 29 | 0 33 | 13 8 | 0 59 | 0 12 | 2 24 | 23 44 | 0 16 | 6 37 | 1 12 | 3 26 | 16 21 | 5 26 | 5 45 | 17 23 | 5 43 | 0 38 |
| M17 | 19 55 | 5 20 | 0 2 | 22 39 | 1 14 | 19 37 | 3 10 | 3 13 | 0 32 | 13 4 | 0 59 | 0 10 | 2 23 | 23 44 | 0 16 | 6 38 | 1 12 | 3 26 | 16 22 | 5 25 | 5 43 | 17 22 | 5 45 | 0 37 |
| T 18 | 19 43 | 9 11 | 1n 7 | 22 24 | 1 21 | 19 45 | 3 8 | 2 58 | 0 31 | 13 0 | 0 59 | 0 8 | 2 23 | 23 44 | 0 16 | 6 38 | 1 12 | 3 26 | 16 22 | 5 26 | 5 42 | 17 21 | 5 46 | 0 37 |
| W19 | 19 29 | 12 31 | 2 11 | 22 5 | 1 27 | 19 54 | 3 5 | 2 42 | 0 31 | 12 55 | 0 59 | 0 6 | 2 23 | 23 44 | 0 16 | 6 39 | 1 12 | 3 27 | 16 22 | 5 26 | 5 41 | 17 21 | 5 48 | 0 36 |
| T 20 | 19 16 | 15 11 | 3 6 | 21 44 | 1 32 | 20 2 | 3 2 | 2 27 | 0 30 | 12 51 | 0 59 | 0 4 | 2 23 | 23 43 | 0 17 | 6 39 | 1 12 | 3 27 | 16 23 | 5 25 | 5 40 | 17 20 | 5 49 | 0 36 |
| F 21 | 19 2 | 17 8 | 3 53 | 21 21 | 1 36 | 20 10 | 2 59 | 2 11 | 0 29 | 12 47 | 0 59 | 0 2 | 2 23 | 23 43 | 0 17 | 6 40 | 1 12 | 3 27 | 16 23 | 5 24 | 5 38 | 17 19 | 5 51 | 0 36 |
| S 22 | 18 48 | 18 18 | 4 28 | 20 56 | 1 40 | 20 18 | 2 55 | 1 56 | 0 28 | 12 42 | 0 59 | 0s 0 | 2 22 | 23 43 | 0 17 | 6 40 | 1 12 | 3 27 | 16 23 | 5 21 | 5 37 | 17 18 | 5 53 | 0 35 |
| S 23 | 18 34 | 18 39 | 4 51 | 20 28 | 1 43 | 20 25 | 2 52 | 1 40 | 0 27 | 12 38 | 0 59 | 0 2 | 2 22 | 23 43 | 0 17 | 6 41 | 1 12 | 3 28 | 16 24 | 5 18 | 5 36 | 17 17 | 5 54 | 0 35 |
| M24 | 18 19 | 18 10 | 5 2 | 19 58 | 1 45 | 20 32 | 2 49 | 1 24 | 0 27 | 12 33 | 0 59 | 0 4 | 2 22 | 23 43 | 0 17 | 6 41 | 1 12 | 3 28 | 16 24 | 5 14 | 5 35 | 17 17 | 5 56 | 0 35 |
| T 25 | 18 4 | 16 54 | 4 59 | 19 27 | 1 46 | 20 38 | 2 45 | 1 9 | 0 26 | 12 29 | 0 59 | 0 7 | 2 22 | 23 43 | 0 17 | 6 42 | 1 12 | 3 28 | 16 24 | 5 9 | 5 33 | 17 16 | 5 58 | 0 34 |
| W26 | 17 48 | 14 54 | 4 44 | 18 54 | 1 46 | 20 44 | 2 42 | 0 53 | 0 25 | 12 25 | 0 59 | 0 9 | 2 22 | 23 43 | 0 17 | 6 42 | 1 12 | 3 29 | 16 25 | 5 5 | 5 32 | 17 15 | 6 0 | 0 34 |
| T 27 | 17 33 | 12 16 | 4 16 | 18 19 | 1 46 | 20 49 | 2 38 | 0 37 | 0 24 | 12 20 | 0 59 | 0 11 | 2 22 | 23 43 | 0 17 | 6 43 | 1 12 | 3 29 | 16 25 | 5 1 | 5 31 | 17 14 | 6 2 | 0 33 |
| F 28 | 17 17 | 9 6 | 3 36 | 17 43 | 1 45 | 20 55 | 2 35 | 0 21 | 0 23 | 12 16 | 0 59 | 0 13 | 2 21 | 23 43 | 0 17 | 6 43 | 1 13 | 3 29 | 16 25 | 4 57 | 5 30 | 17 13 | 6 3 | 0 33 |
| S 29 | 17 1 | 5 31 | 2 46 | 17 5 | 1 44 | 20 59 | 2 31 | 0 5 | 0 23 | 12 11 | 0 59 | 0 15 | 2 21 | 23 43 | 0 17 | 6 44 | 1 13 | 3 30 | 16 26 | 4 54 | 5 29 | 17 13 | 6 5 | 0 33 |
| S 30 | 16 44 | 1 40 | 1 48 | 16 27 | 1 42 | 21 3 | 2 28 | 0s11 | 0 22 | 12 7 | 0 59 | 0 18 | 2 21 | 23 43 | 0 17 | 6 44 | 1 13 | 3 30 | 16 26 | 4 52 | 5 27 | 17 12 | 6 7 | 0 32 |
| M31 | 16n27 | 2n19 | 0n43 | 15n48 | 1n40 | 21n 7 | 2s24 | 0s27 | 0n21 | 12n 2 | 0n59 | 0s20 | 2n21 | 23n42 | 0n17 | 6s45 | 1s13 | 3s30 | 16s26 | 4s52 | 5s26 | 17s11 | 6s 9 | 0s32 |

Julian Day Number = 2219074.5, Delta T = 08m49s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'43, Lahiri = 14°58'44 Julian Calendar 1 July 1363 == Greg. Calendar 9 July 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## AUGUST 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 8 24 | 15♌44'32 | 16♈50 | 23♌53 | 1♋27 | 2♎33 | 1♍20 | 6♎20 | 4♋54 | 15°R45 | 1°R12 | 12°D15 | 13♎41 | 18♑23 | 14♎24 | T 1 |
| W 2 | 21 12 21 | 16°42'16 | 29°48 | 25°45 | 2°31 | 3°11 | 1°33 | 6°26 | 4°57 | 15♓43 | 1♉12 | 12♎16 | 13°37 | 18°30 | 14°30 | W 2 |
| T 3 | 21 16 17 | 17°40'01 | 13♉ 4 | 27°36 | 3°36 | 3°50 | 1°45 | 6°31 | 5° 0 | 15°42 | 1°12 | 12°R17 | 13°34 | 18°36 | 14°37 | T 3 |
| F 4 | 21 20 14 | 18°37'48 | 26°43 | 29°25 | 4°41 | 4°28 | 1°58 | 6°37 | 5° 3 | 15°40 | 1°12 | 12°16 | 13°31 | 18°43 | 14°43 | F 4 |
| S 5 | 21 24 10 | 19°35'37 | 10♊45 | 1♍13 | 5°46 | 5° 7 | 2°11 | 6°42 | 5° 5 | 15°39 | 1°12 | 12°14 | 13°28 | 18°50 | 14°49 | S 5 |
| S 6 | 21 28 7 | 20°33'28 | 25°10 | 3° 0 | 6°51 | 5°45 | 2°24 | 6°48 | 5° 8 | 15°38 | 1°11 | 12°11 | 13°25 | 18°56 | 14°55 | S 6 |
| M 7 | 21 32 4 | 21°31'21 | 9♋55 | 4°45 | 7°57 | 6°24 | 2°37 | 6°54 | 5°11 | 15°36 | 1°11 | 12° 5 | 13°21 | 19° 3 | 15° 1 | M 7 |
| T 8 | 21 36 0 | 22°29'15 | 24°54 | 6°28 | 9° 3 | 7° 3 | 2°50 | 7° 0 | 5°14 | 15°35 | 1°11 | 11°58 | 13°18 | 19°10 | 15° 8 | T 8 |
| W 9 | 21 39 57 | 23°27'11 | 9♌58 | 8°11 | 10° 9 | 7°41 | 3° 3 | 7° 6 | 5°16 | 15°33 | 1°10 | 11°50 | 13°15 | 19°17 | 15°14 | W 9 |
| T 10 | 21 43 53 | 24°25'09 | 24°59 | 9°52 | 11°15 | 8°20 | 3°16 | 7°12 | 5°19 | 15°32 | 1°10 | 11°44 | 13°12 | 19°23 | 15°21 | T 10 |
| F 11 | 21 47 50 | 25°23'08 | 9♍46 | 11°32 | 12°21 | 8°59 | 3°28 | 7°18 | 5°22 | 15°30 | 1°10 | 11°38 | 13° 9 | 19°30 | 15°28 | F 11 |
| S 12 | 21 51 46 | 26°21'09 | 24°12 | 13°10 | 13°28 | 9°38 | 3°41 | 7°24 | 5°24 | 15°28 | 1° 9 | 11°35 | 13° 6 | 19°37 | 15°34 | S 12 |
| S 13 | 21 55 43 | 27°19'11 | 8♎13 | 14°48 | 14°35 | 10°17 | 3°54 | 7°30 | 5°27 | 15°27 | 1° 9 | 11°D34 | 13° 2 | 19°44 | 15°41 | S 13 |
| M14 | 21 59 39 | 28°17'15 | 21°47 | 16°24 | 15°42 | 10°57 | 4° 7 | 7°36 | 5°29 | 15°25 | 1° 9 | 11°34 | 12°59 | 19°50 | 15°48 | M14 |
| T 15 | 22 3 36 | 29°15'20 | 4♏54 | 17°58 | 16°49 | 11°36 | 4°20 | 7°42 | 5°32 | 15°24 | 1° 8 | 11°35 | 12°56 | 19°57 | 15°55 | T 15 |
| W16 | 22 7 33 | 0♍13'27 | 17°38 | 19°32 | 17°56 | 12°15 | 4°33 | 7°48 | 5°34 | 15°22 | 1° 8 | 11°37 | 12°53 | 20° 4 | 16° 1 | W16 |
| T 17 | 22 11 29 | 1°11'35 | 0♐ 2 | 21° 4 | 19° 3 | 12°55 | 4°46 | 7°55 | 5°37 | 15°21 | 1° 7 | 11°R37 | 12°50 | 20°10 | 16° 8 | T 17 |
| F 18 | 22 15 26 | 2° 9'44 | 12°12 | 22°35 | 20°11 | 13°34 | 4°59 | 8° 1 | 5°39 | 15°19 | 1° 7 | 11°37 | 12°47 | 20°17 | 16°16 | F 18 |
| S 19 | 22 19 22 | 3° 7'55 | 24°12 | 24° 5 | 21°19 | 14°14 | 5°12 | 8° 7 | 5°41 | 15°17 | 1° 6 | 11°35 | 12°43 | 20°24 | 16°23 | S 19 |
| S 20 | 22 23 19 | 4° 6'08 | 6♑ 5 | 25°33 | 22°27 | 14°53 | 5°25 | 8°14 | 5°44 | 15°16 | 1° 6 | 11°31 | 12°40 | 20°31 | 16°30 | S 20 |
| M21 | 22 27 15 | 5° 4'22 | 17°58 | 27° 0 | 23°35 | 15°33 | 5°38 | 8°20 | 5°46 | 15°14 | 1° 5 | 11°26 | 12°37 | 20°37 | 16°37 | M21 |
| T 22 | 22 31 12 | 6° 2'38 | 29°52 | 28°26 | 24°43 | 16°13 | 5°51 | 8°27 | 5°48 | 15°13 | 1° 5 | 11°19 | 12°34 | 20°44 | 16°44 | T 22 |
| W23 | 22 35 8 | 7° 0'55 | 11♒50 | 29°50 | 25°52 | 16°52 | 6° 4 | 8°33 | 5°50 | 15°11 | 1° 4 | 11°13 | 12°31 | 20°51 | 16°51 | W23 |
| T 24 | 22 39 5 | 7°59'14 | 23°56 | 1♎13 | 27° 0 | 17°32 | 6°17 | 8°40 | 5°53 | 15° 9 | 1° 3 | 11° 7 | 12°27 | 20°57 | 16°59 | T 24 |
| F 25 | 22 43 2 | 8°57'35 | 6♓10 | 2°35 | 28° 9 | 18°12 | 6°30 | 8°46 | 5°55 | 15° 8 | 1° 3 | 11° 2 | 12°24 | 21° 4 | 17° 6 | F 25 |
| S 26 | 22 46 58 | 9°55'58 | 18°33 | 3°56 | 29°18 | 18°52 | 6°43 | 8°53 | 5°57 | 15° 6 | 1° 2 | 10°59 | 12°21 | 21°11 | 17°14 | S 26 |
| S 27 | 22 50 55 | 10°54'22 | 1♈ 7 | 5°15 | 0♌27 | 19°32 | 6°56 | 9° 0 | 5°59 | 15° 4 | 1° 1 | 10°57 | 12°18 | 21°18 | 17°21 | S 27 |
| M28 | 22 54 51 | 11°52'49 | 13°52 | 6°32 | 1°36 | 20°12 | 7° 9 | 9° 6 | 6° 1 | 15° 3 | 1° 1 | 10°D57 | 12°15 | 21°24 | 17°29 | M28 |
| T 29 | 22 58 48 | 12°51'18 | 26°50 | 7°48 | 2°45 | 20°53 | 7°22 | 9°13 | 6° 2 | 15° 1 | 1° 0 | 10°57 | 12°12 | 21°31 | 17°36 | T 29 |
| W30 | 23 2 44 | 13°49'48 | 10♉ 1 | 9° 2 | 3°55 | 21°33 | 7°35 | 9°20 | 6° 4 | 14°59 | 0°59 | 10°59 | 12° 8 | 21°38 | 17°44 | W30 |
| T 31 | 23 6 41 | 14♍48'22 | 23♉26 | 10♎15 | 5♌ 4 | 22♎13 | 7♍48 | 9♎27 | 6♋ 6 | 14♓58 | 0♉59 | 11♎ 0 | 12♎ 5 | 21♑45 | 17♎52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n10 | 6n16 | 0s25 | 15n 7 | 1n37 | 21n11 | 2s20 | 0s42 | 0n20 | 11n57 | 0n59 | 0s22 | 2n21 | 23n42 | 0n17 | 6s45 | 1s13 | 3s31 | 16s27 | 4s51 | 5s25 | 17s10 | 6s11 | 0s32 |
| W 2 | 15 53 | 9 59 | 1 33 | 14 26 | 1 33 | 21 13 | 2 16 | 0 58 | 0 20 | 11 53 | 0 59 | 0 25 | 2 21 | 23 42 | 0 17 | 6 46 | 1 13 | 3 31 | 16 27 | 4 52 | 5 24 | 17 9 | 6 13 | 0 31 |
| T 3 | 15 35 | 13 19 | 2 38 | 13 45 | 1 29 | 21 16 | 2 13 | 1 14 | 0 19 | 11 48 | 0 59 | 0 27 | 2 20 | 23 42 | 0 17 | 6 46 | 1 13 | 3 31 | 16 27 | 4 52 | 5 22 | 17 9 | 6 15 | 0 31 |
| F 4 | 15 18 | 16 0 | 3 35 | 13 2 | 1 25 | 21 18 | 2 9 | 1 30 | 0 18 | 11 44 | 0 59 | 0 29 | 2 20 | 23 42 | 0 17 | 6 47 | 1 13 | 3 32 | 16 27 | 4 52 | 5 21 | 17 8 | 6 17 | 0 31 |
| S 5 | 14 59 | 17 48 | 4 22 | 12 20 | 1 20 | 21 19 | 2 5 | 1 46 | 0 17 | 11 39 | 0 59 | 0 32 | 2 20 | 23 42 | 0 17 | 6 48 | 1 13 | 3 32 | 16 28 | 4 51 | 5 20 | 17 7 | 6 19 | 0 30 |
| S 6 | 14 41 | 18 32 | 4 54 | 11 37 | 1 15 | 21 20 | 2 1 | 2 2 | 0 17 | 11 35 | 0 59 | 0 34 | 2 20 | 23 42 | 0 17 | 6 48 | 1 13 | 3 32 | 16 28 | 4 50 | 5 19 | 17 6 | 6 21 | 0 30 |
| M 7 | 14 23 | 18 3 | 5 7 | 10 53 | 1 10 | 21 20 | 1 57 | 2 18 | 0 16 | 11 30 | 0 59 | 0 36 | 2 20 | 23 42 | 0 17 | 6 49 | 1 13 | 3 33 | 16 28 | 4 47 | 5 17 | 17 5 | 6 24 | 0 30 |
| T 8 | 14 4 | 16 19 | 4 59 | 10 9 | 1 4 | 21 20 | 1 53 | 2 34 | 0 15 | 11 25 | 0 59 | 0 39 | 2 20 | 23 42 | 0 17 | 6 49 | 1 13 | 3 33 | 16 29 | 4 45 | 5 16 | 17 5 | 6 26 | 0 29 |
| W 9 | 13 45 | 13 27 | 4 31 | 9 26 | 0 58 | 21 19 | 1 49 | 2 51 | 0 14 | 11 21 | 0 59 | 0 41 | 2 19 | 23 42 | 0 17 | 6 50 | 1 13 | 3 34 | 16 29 | 4 42 | 5 15 | 17 4 | 6 28 | 0 29 |
| T 10 | 13 26 | 9 43 | 3 44 | 8 42 | 0 52 | 21 18 | 1 45 | 3 7 | 0 14 | 11 16 | 0 59 | 0 44 | 2 19 | 23 42 | 0 17 | 6 51 | 1 13 | 3 34 | 16 29 | 4 39 | 5 14 | 17 3 | 6 30 | 0 29 |
| F 11 | 13 6 | 5 25 | 2 43 | 7 57 | 0 45 | 21 16 | 1 41 | 3 23 | 0 13 | 11 11 | 0 59 | 0 46 | 2 19 | 23 42 | 0 17 | 6 51 | 1 13 | 3 34 | 16 30 | 4 37 | 5 12 | 17 2 | 6 32 | 0 28 |
| S 12 | 12 46 | 0 54 | 1 32 | 7 13 | 0 38 | 21 14 | 1 37 | 3 39 | 0 12 | 11 7 | 0 59 | 0 49 | 2 19 | 23 41 | 0 17 | 6 52 | 1 13 | 3 35 | 16 30 | 4 36 | 5 11 | 17 1 | 6 35 | 0 28 |
| S 13 | 12 27 | 3s33 | 0 18 | 6 29 | 0 31 | 21 11 | 1 33 | 3 55 | 0 11 | 11 2 | 0 59 | 0 51 | 2 19 | 23 41 | 0 17 | 6 52 | 1 13 | 3 35 | 16 30 | 4 35 | 5 10 | 17 0 | 6 37 | 0 28 |
| M14 | 12 7 | 7 40 | 0n55 | 5 45 | 0 24 | 21 7 | 1 29 | 4 11 | 0 11 | 10 57 | 0 59 | 0 54 | 2 19 | 23 41 | 0 17 | 6 53 | 1 13 | 3 36 | 16 30 | 4 35 | 5 9 | 17 0 | 6 39 | 0 27 |
| T 15 | 11 46 | 11 16 | 2 3 | 5 2 | 0 17 | 21 3 | 1 25 | 4 27 | 0 10 | 10 52 | 0 59 | 0 57 | 2 19 | 23 41 | 0 17 | 6 54 | 1 13 | 3 36 | 16 31 | 4 36 | 5 7 | 16 59 | 6 42 | 0 27 |
| W16 | 11 26 | 14 13 | 3 3 | 4 18 | 0 9 | 20 59 | 1 21 | 4 43 | 0 9 | 10 48 | 0 59 | 0 59 | 2 19 | 23 41 | 0 17 | 6 54 | 1 13 | 3 36 | 16 31 | 4 36 | 5 6 | 16 58 | 6 44 | 0 27 |
| T 17 | 11 5 | 16 26 | 3 53 | 3 35 | 0 2 | 20 54 | 1 17 | 4 59 | 0 8 | 10 43 | 0 59 | 1 2 | 2 18 | 23 41 | 0 17 | 6 55 | 1 13 | 3 37 | 16 31 | 4 37 | 5 5 | 16 57 | 6 46 | 0 26 |
| F 18 | 10 44 | 17 51 | 4 31 | 2 52 | 0s 6 | 20 48 | 1 12 | 5 15 | 0 8 | 10 38 | 1 0 | 1 4 | 2 18 | 23 41 | 0 17 | 6 56 | 1 13 | 3 37 | 16 32 | 4 36 | 5 4 | 16 56 | 6 49 | 0 26 |
| S 19 | 10 23 | 18 27 | 4 56 | 2 9 | 0 14 | 20 42 | 1 8 | 5 31 | 0 7 | 10 33 | 1 0 | 1 7 | 2 18 | 23 41 | 0 17 | 6 56 | 1 13 | 3 38 | 16 32 | 4 36 | 5 3 | 16 55 | 6 51 | 0 26 |
| S 20 | 10 2 | 18 14 | 5 9 | 1 26 | 0 22 | 20 35 | 1 4 | 5 47 | 0 6 | 10 29 | 1 0 | 1 10 | 2 18 | 23 41 | 0 17 | 6 57 | 1 13 | 3 38 | 16 32 | 4 34 | 5 1 | 16 54 | 6 54 | 0 25 |
| M21 | 9 41 | 17 13 | 5 9 | 0 44 | 0 30 | 20 28 | 1 0 | 6 3 | 0 6 | 10 24 | 1 0 | 1 12 | 2 18 | 23 41 | 0 17 | 6 58 | 1 13 | 3 38 | 16 32 | 4 32 | 5 0 | 16 54 | 6 56 | 0 25 |
| T 22 | 9 20 | 15 27 | 4 55 | 0 2 | 0 38 | 20 20 | 0 56 | 6 19 | 0 5 | 10 19 | 1 0 | 1 15 | 2 18 | 23 41 | 0 17 | 6 58 | 1 13 | 3 39 | 16 33 | 4 30 | 4 59 | 16 53 | 6 59 | 0 25 |
| W23 | 8 58 | 13 0 | 4 28 | 0s39 | 0 47 | 20 11 | 0 52 | 6 35 | 0 4 | 10 14 | 1 0 | 1 18 | 2 18 | 23 41 | 0 17 | 6 59 | 1 13 | 3 39 | 16 33 | 4 27 | 4 58 | 16 52 | 7 1 | 0 24 |
| T 24 | 8 36 | 9 59 | 3 49 | 1 20 | 0 55 | 20 2 | 0 48 | 6 51 | 0 3 | 10 10 | 1 0 | 1 20 | 2 18 | 23 40 | 0 17 | 7 0 | 1 13 | 3 40 | 16 33 | 4 25 | 4 56 | 16 51 | 7 4 | 0 24 |
| F 25 | 8 14 | 6 31 | 2 59 | 2 0 | 1 3 | 19 53 | 0 44 | 7 7 | 0 3 | 10 5 | 1 0 | 1 23 | 2 18 | 23 40 | 0 17 | 7 0 | 1 13 | 3 40 | 16 33 | 4 23 | 4 55 | 16 50 | 7 6 | 0 24 |
| S 26 | 7 52 | 2 43 | 1 59 | 2 40 | 1 11 | 19 43 | 0 40 | 7 23 | 0 2 | 10 0 | 1 0 | 1 26 | 2 18 | 23 40 | 0 17 | 7 1 | 1 13 | 3 41 | 16 34 | 4 22 | 4 54 | 16 49 | 7 9 | 0 23 |
| S 27 | 7 30 | 1n16 | 0 54 | 3 19 | 1 20 | 19 32 | 0 36 | 7 39 | 0 1 | 9 55 | 1 0 | 1 28 | 2 17 | 23 40 | 0 17 | 7 1 | 1 13 | 3 41 | 16 34 | 4 21 | 4 53 | 16 48 | 7 11 | 0 23 |
| M28 | 7 8 | 5 15 | 0s16 | 3 57 | 1 28 | 19 21 | 0 32 | 7 55 | 0 1 | 9 50 | 1 0 | 1 31 | 2 17 | 23 40 | 0 17 | 7 2 | 1 13 | 3 42 | 16 34 | 4 21 | 4 51 | 16 47 | 7 14 | 0 23 |
| T 29 | 6 45 | 9 2 | 1 26 | 4 35 | 1 36 | 19 9 | 0 28 | 8 11 | 0s 0 | 9 46 | 1 0 | 1 34 | 2 17 | 23 40 | 0 17 | 7 3 | 1 13 | 3 42 | 16 34 | 4 21 | 4 50 | 16 47 | 7 17 | 0 22 |
| W30 | 6 23 | 12 27 | 2 33 | 5 12 | 1 44 | 18 57 | 0 24 | 8 26 | 0 1 | 9 41 | 1 0 | 1 37 | 2 17 | 23 40 | 0 17 | 7 3 | 1 13 | 3 43 | 16 35 | 4 22 | 4 49 | 16 46 | 7 19 | 0 22 |
| T 31 | 6n 0 | 15n16 | 3s32 | 5s48 | 1s53 | 18n44 | 0s21 | 8s42 | 0s 1 | 9n36 | 1n 0 | 1s39 | 2n17 | 23n40 | 0n17 | 7s 4 | 1s13 | 3s43 | 16s35 | 4s22 | 4s48 | 16s45 | 7s22 | 0s22 |

Julian Day Number = 2219105.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'47, Lahiri = 14°58'48 Julian Calendar 1 Aug. 1363 == Greg. Calendar 9 Aug. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## SEPTEMBER 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 10 37 | 15♍46'57 | 7♊ 8 | 11♎26 | 6♌14 | 22♎54 | 8♍ 1 | 9♎34 | 6♋ 8 | 14°R56 | 0°R58 | 11♎ 2 | 12♎ 2 | 21♉51 | 17♎59 | F 1 |
| S 2 | 23 14 34 | 16°45'34 | 21° 5 | 12°35 | 7°24 | 23°34 | 8°14 | 9°41 | 6°10 | 14♓54 | 0♉57 | 11°R 2 | 11°59 | 21°58 | 18° 7 | S 2 |
| S 3 | 23 18 30 | 17°44'14 | 5♋18 | 13°42 | 8°34 | 24°15 | 8°27 | 9°48 | 6°11 | 14°53 | 0°56 | 11° 1 | 11°56 | 22° 5 | 18°15 | S 3 |
| M 4 | 23 22 27 | 18°42'57 | 19°44 | 14°47 | 9°44 | 24°56 | 8°40 | 9°54 | 6°13 | 14°51 | 0°56 | 10°59 | 11°53 | 22°11 | 18°23 | M 4 |
| T 5 | 23 26 24 | 19°41'41 | 4♌20 | 15°50 | 10°54 | 25°36 | 8°53 | 10° 1 | 6°15 | 14°49 | 0°55 | 10°56 | 11°49 | 22°18 | 18°31 | T 5 |
| W 6 | 23 30 20 | 20°40'28 | 19° 0 | 16°50 | 12° 5 | 26°17 | 9° 6 | 10° 8 | 6°16 | 14°48 | 0°54 | 10°54 | 11°46 | 22°25 | 18°39 | W 6 |
| T 7 | 23 34 17 | 21°39'16 | 3♍37 | 17°47 | 13°15 | 26°58 | 9°19 | 10°15 | 6°18 | 14°46 | 0°53 | 10°51 | 11°43 | 22°32 | 18°47 | T 7 |
| F 8 | 23 38 13 | 22°38'07 | 18° 6 | 18°42 | 14°26 | 27°39 | 9°32 | 10°22 | 6°19 | 14°44 | 0°52 | 10°49 | 11°40 | 22°38 | 18°55 | F 8 |
| S 9 | 23 42 10 | 23°37'00 | 2♎19 | 19°34 | 15°37 | 28°20 | 9°45 | 10°30 | 6°20 | 14°43 | 0°51 | 10°48 | 11°37 | 22°45 | 19° 3 | S 9 |
| S 10 | 23 46 6 | 24°35'55 | 16°13 | 20°23 | 16°47 | 29° 1 | 9°57 | 10°37 | 6°22 | 14°41 | 0°51 | 10°D48 | 11°33 | 22°52 | 19°11 | S 10 |
| M11 | 23 50 3 | 25°34'52 | 29°44 | 21° 8 | 17°58 | 29°42 | 10°10 | 10°44 | 6°23 | 14°40 | 0°50 | 10°49 | 11°30 | 22°58 | 19°19 | M11 |
| T 12 | 23 53 59 | 26°33'50 | 12♏53 | 21°50 | 19° 9 | 0♏23 | 10°23 | 10°51 | 6°24 | 14°38 | 0°49 | 10°50 | 11°27 | 23° 5 | 19°27 | T 12 |
| W13 | 23 57 56 | 27°32'51 | 25°39 | 22°27 | 20°21 | 1° 5 | 10°36 | 10°58 | 6°25 | 14°36 | 0°48 | 10°51 | 11°24 | 23°12 | 19°35 | W13 |
| T 14 | 0 1 53 | 28°31'53 | 8♐ 7 | 22°59 | 21°32 | 1°46 | 10°48 | 11° 5 | 6°27 | 14°35 | 0°47 | 10°52 | 11°21 | 23°19 | 19°43 | T 14 |
| F 15 | 0 5 49 | 29°30'58 | 20°19 | 23°27 | 22°43 | 2°28 | 11° 1 | 11°12 | 6°28 | 14°33 | 0°46 | 10°53 | 11°18 | 23°25 | 19°51 | F 15 |
| S 16 | 0 9 46 | 0♎30'04 | 2♑20 | 23°50 | 23°55 | 3° 9 | 11°14 | 11°20 | 6°29 | 14°32 | 0°45 | 10°R53 | 11°14 | 23°32 | 20° 0 | S 16 |
| S 17 | 0 13 42 | 1°29'12 | 14°15 | 24° 6 | 25° 6 | 3°51 | 11°26 | 11°27 | 6°30 | 14°30 | 0°44 | 10°53 | 11°11 | 23°39 | 20° 8 | S 17 |
| M18 | 0 17 39 | 2°28'21 | 26° 7 | 24°17 | 26°18 | 4°32 | 11°39 | 11°34 | 6°31 | 14°28 | 0°43 | 10°52 | 11° 8 | 23°46 | 20°16 | M18 |
| T 19 | 0 21 35 | 3°27'33 | 8♒ 3 | 24°R20 | 27°30 | 5°14 | 11°52 | 11°41 | 6°31 | 14°27 | 0°42 | 10°51 | 11° 5 | 23°52 | 20°24 | T 19 |
| W20 | 0 25 32 | 4°26'46 | 20° 4 | 24°17 | 28°42 | 5°56 | 12° 4 | 11°48 | 6°32 | 14°25 | 0°41 | 10°50 | 11° 2 | 23°59 | 20°33 | W20 |
| T 21 | 0 29 28 | 5°26'01 | 2♓16 | 24° 6 | 29°54 | 6°38 | 12°17 | 11°56 | 6°33 | 14°24 | 0°40 | 10°49 | 10°58 | 24° 6 | 20°41 | T 21 |
| F 22 | 0 33 25 | 6°25'18 | 14°39 | 23°47 | 1♍ 6 | 7°20 | 12°29 | 12° 3 | 6°34 | 14°22 | 0°39 | 10°49 | 10°55 | 24°12 | 20°50 | F 22 |
| S 23 | 0 37 21 | 7°24'37 | 27°17 | 23°21 | 2°18 | 8° 2 | 12°41 | 12°10 | 6°34 | 14°21 | 0°38 | 10°48 | 10°52 | 24°19 | 20°58 | S 23 |
| S 24 | 0 41 18 | 8°23'58 | 10♈10 | 22°45 | 3°30 | 8°44 | 12°54 | 12°17 | 6°35 | 14°19 | 0°37 | 10°D48 | 10°49 | 24°26 | 21° 6 | S 24 |
| M25 | 0 45 15 | 9°23'21 | 23°17 | 22° 2 | 4°42 | 9°26 | 13° 6 | 12°25 | 6°36 | 14°18 | 0°36 | 10°48 | 10°46 | 24°33 | 21°15 | M25 |
| T 26 | 0 49 11 | 10°22'47 | 6♉39 | 21°11 | 5°55 | 10° 8 | 13°18 | 12°32 | 6°36 | 14°16 | 0°35 | 10°R48 | 10°43 | 24°39 | 21°23 | T 26 |
| W27 | 0 53 8 | 11°22'14 | 20°14 | 20°13 | 7° 7 | 10°50 | 13°31 | 12°39 | 6°37 | 14°15 | 0°34 | 10°48 | 10°39 | 24°46 | 21°32 | W27 |
| T 28 | 0 57 4 | 12°21'44 | 4♊ 0 | 19° 9 | 8°20 | 11°32 | 13°43 | 12°46 | 6°37 | 14°13 | 0°33 | 10°48 | 10°36 | 24°53 | 21°40 | T 28 |
| F 29 | 1 1 1 | 13°21'16 | 17°56 | 17°59 | 9°33 | 12°15 | 13°55 | 12°54 | 6°37 | 14°12 | 0°32 | 10°48 | 10°33 | 24°59 | 21°48 | F 29 |
| S 30 | 1 4 57 | 14♎20'51 | 2♋ 0 | 16♎47 | 10♍45 | 12♏57 | 14♍ 7 | 13♎ 1 | 6♋38 | 14♓11 | 0♉31 | 10♎48 | 10♎30 | 25♉ 6 | 21♎57 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n37 | 17n17 | 4s21 | 6s23 | 2s 1 | 18n30 | 0s17 | 8s58 | 0s 2 | 9n31 | 1n 0 | 1s42 | 2n17 | 23n40 | 0n17 | 7s 5 | 1s13 | 3s43 | 16s35 | 4s23 | 4s46 | 16s44 | 7s25 | 0s21 |
| S 2 | 5 15 | 18 18 | 4 56 | 6 58 | 2 9 | 18 16 | 0 13 | 9 14 | 0 3 | 9 26 | 1 0 | 1 45 | 2 17 | 23 40 | 0 17 | 7 5 | 1 13 | 3 44 | 16 35 | 4 23 | 4 45 | 16 43 | 7 27 | 0 21 |
| S 3 | 4 52 | 18 12 | 5 13 | 7 31 | 2 16 | 18 2 | 0 9 | 9 29 | 0 4 | 9 22 | 1 0 | 1 48 | 2 17 | 23 40 | 0 17 | 7 6 | 1 13 | 3 44 | 16 36 | 4 22 | 4 44 | 16 42 | 7 30 | 0 21 |
| M 4 | 4 29 | 16 56 | 5 11 | 8 3 | 2 24 | 17 47 | 0 6 | 9 45 | 0 4 | 9 17 | 1 0 | 1 50 | 2 17 | 23 40 | 0 17 | 7 7 | 1 13 | 3 45 | 16 36 | 4 22 | 4 43 | 16 41 | 7 33 | 0 20 |
| T 5 | 4 6 | 14 34 | 4 49 | 8 35 | 2 31 | 17 31 | 0 2 | 10 0 | 0 5 | 9 12 | 1 1 | 1 53 | 2 17 | 23 40 | 0 17 | 7 7 | 1 13 | 3 45 | 16 36 | 4 21 | 4 41 | 16 40 | 7 35 | 0 20 |
| W 6 | 3 42 | 11 15 | 4 8 | 9 5 | 2 39 | 17 15 | 0n 2 | 10 16 | 0 6 | 9 7 | 1 1 | 1 56 | 2 17 | 23 40 | 0 17 | 7 8 | 1 13 | 3 46 | 16 36 | 4 19 | 4 40 | 16 39 | 7 38 | 0 20 |
| T 7 | 3 19 | 7 15 | 3 11 | 9 33 | 2 46 | 16 59 | 0 5 | 10 31 | 0 6 | 9 2 | 1 1 | 1 59 | 2 17 | 23 40 | 0 18 | 7 9 | 1 13 | 3 46 | 16 36 | 4 18 | 4 39 | 16 39 | 7 41 | 0 20 |
| F 8 | 2 56 | 2 51 | 2 2 | 10 1 | 2 53 | 16 42 | 0 9 | 10 47 | 0 7 | 8 58 | 1 1 | 2 2 | 2 17 | 23 40 | 0 18 | 7 9 | 1 13 | 3 47 | 16 37 | 4 18 | 4 38 | 16 38 | 7 44 | 0 19 |
| S 9 | 2 33 | 1s38 | 0 47 | 10 26 | 2 59 | 16 24 | 0 12 | 11 2 | 0 8 | 8 53 | 1 1 | 2 5 | 2 17 | 23 40 | 0 18 | 7 10 | 1 13 | 3 47 | 16 37 | 4 17 | 4 36 | 16 37 | 7 46 | 0 19 |
| S 10 | 2 9 | 5 56 | 0n30 | 10 51 | 3 5 | 16 6 | 0 16 | 11 17 | 0 8 | 8 48 | 1 1 | 2 7 | 2 16 | 23 40 | 0 18 | 7 11 | 1 13 | 3 48 | 16 37 | 4 17 | 4 35 | 16 36 | 7 49 | 0 19 |
| M11 | 1 46 | 9 49 | 1 43 | 11 13 | 3 11 | 15 48 | 0 19 | 11 33 | 0 9 | 8 43 | 1 1 | 2 10 | 2 16 | 23 39 | 0 18 | 7 11 | 1 13 | 3 48 | 16 37 | 4 18 | 4 34 | 16 35 | 7 52 | 0 18 |
| T 12 | 1 22 | 13 5 | 2 48 | 11 33 | 3 16 | 15 29 | 0 23 | 11 48 | 0 10 | 8 38 | 1 1 | 2 13 | 2 16 | 23 39 | 0 18 | 7 12 | 1 13 | 3 49 | 16 37 | 4 18 | 4 33 | 16 34 | 7 55 | 0 18 |
| W13 | 0 59 | 15 37 | 3 43 | 11 52 | 3 21 | 15 10 | 0 26 | 12 3 | 0 10 | 8 34 | 1 1 | 2 16 | 2 16 | 23 39 | 0 18 | 7 12 | 1 13 | 3 49 | 16 38 | 4 18 | 4 31 | 16 33 | 7 58 | 0 18 |
| T 14 | 0 35 | 17 21 | 4 27 | 12 8 | 3 25 | 14 50 | 0 29 | 12 18 | 0 11 | 8 29 | 1 1 | 2 19 | 2 16 | 23 39 | 0 18 | 7 13 | 1 13 | 3 49 | 16 38 | 4 19 | 4 30 | 16 32 | 8 0 | 0 17 |
| F 15 | 0 12 | 18 14 | 4 57 | 12 21 | 3 28 | 14 30 | 0 32 | 12 33 | 0 12 | 8 24 | 1 1 | 2 22 | 2 16 | 23 39 | 0 18 | 7 14 | 1 13 | 3 50 | 16 38 | 4 19 | 4 29 | 16 31 | 8 3 | 0 17 |
| S 16 | 0s12 | 18 17 | 5 13 | 12 32 | 3 31 | 14 9 | 0 35 | 12 48 | 0 12 | 8 19 | 1 1 | 2 24 | 2 16 | 23 39 | 0 18 | 7 14 | 1 13 | 3 50 | 16 38 | 4 19 | 4 28 | 16 30 | 8 6 | 0 17 |
| S 17 | 0 36 | 17 31 | 5 16 | 12 40 | 3 33 | 13 48 | 0 38 | 13 3 | 0 13 | 8 15 | 1 2 | 2 27 | 2 16 | 23 39 | 0 18 | 7 15 | 1 13 | 3 51 | 16 38 | 4 19 | 4 26 | 16 29 | 8 9 | 0 17 |
| M18 | 0 59 | 15 59 | 5 6 | 12 45 | 3 34 | 13 27 | 0 41 | 13 17 | 0 14 | 8 10 | 1 2 | 2 30 | 2 16 | 23 39 | 0 18 | 7 15 | 1 13 | 3 51 | 16 38 | 4 19 | 4 25 | 16 28 | 8 12 | 0 16 |
| T 19 | 1 23 | 13 47 | 4 42 | 12 46 | 3 34 | 13 5 | 0 44 | 13 32 | 0 14 | 8 5 | 1 2 | 2 33 | 2 16 | 23 39 | 0 18 | 7 16 | 1 13 | 3 52 | 16 39 | 4 18 | 4 24 | 16 28 | 8 15 | 0 16 |
| W20 | 1 46 | 10 57 | 4 6 | 12 44 | 3 32 | 12 42 | 0 47 | 13 47 | 0 15 | 8 1 | 1 2 | 2 36 | 2 16 | 23 39 | 0 18 | 7 17 | 1 13 | 3 52 | 16 39 | 4 18 | 4 23 | 16 27 | 8 18 | 0 16 |
| T 21 | 2 10 | 7 37 | 3 18 | 12 37 | 3 30 | 12 20 | 0 50 | 14 1 | 0 15 | 7 56 | 1 2 | 2 39 | 2 16 | 23 39 | 0 18 | 7 17 | 1 13 | 3 53 | 16 39 | 4 18 | 4 21 | 16 26 | 8 20 | 0 15 |
| F 22 | 2 33 | 3 55 | 2 20 | 12 27 | 3 25 | 11 57 | 0 53 | 14 15 | 0 16 | 7 51 | 1 2 | 2 41 | 2 16 | 23 39 | 0 18 | 7 18 | 1 13 | 3 53 | 16 39 | 4 18 | 4 20 | 16 25 | 8 23 | 0 15 |
| S 23 | 2 57 | 0n 3 | 1 14 | 12 11 | 3 20 | 11 33 | 0 55 | 14 30 | 0 17 | 7 47 | 1 2 | 2 44 | 2 16 | 23 39 | 0 18 | 7 18 | 1 13 | 3 54 | 16 39 | 4 17 | 4 19 | 16 24 | 8 26 | 0 15 |
| S 24 | 3 21 | 4 5 | 0 4 | 11 51 | 3 12 | 11 10 | 0 58 | 14 44 | 0 17 | 7 42 | 1 2 | 2 47 | 2 16 | 23 39 | 0 18 | 7 19 | 1 13 | 3 54 | 16 39 | 4 17 | 4 18 | 16 23 | 8 29 | 0 14 |
| M25 | 3 44 | 8 1 | 1s 9 | 11 26 | 3 3 | 10 45 | 1 1 | 14 58 | 0 18 | 7 37 | 1 2 | 2 50 | 2 16 | 23 39 | 0 18 | 7 20 | 1 13 | 3 54 | 16 39 | 4 17 | 4 16 | 16 22 | 8 32 | 0 14 |
| T 26 | 4 7 | 11 36 | 2 19 | 10 57 | 2 52 | 10 21 | 1 3 | 15 12 | 0 19 | 7 33 | 1 2 | 2 53 | 2 16 | 23 39 | 0 18 | 7 20 | 1 13 | 3 55 | 16 39 | 4 17 | 4 15 | 16 21 | 8 35 | 0 14 |
| W27 | 4 31 | 14 37 | 3 22 | 10 23 | 2 39 | 9 56 | 1 6 | 15 26 | 0 19 | 7 28 | 1 3 | 2 56 | 2 16 | 23 39 | 0 18 | 7 21 | 1 13 | 3 55 | 16 39 | 4 17 | 4 14 | 16 20 | 8 38 | 0 14 |
| T 28 | 4 54 | 16 51 | 4 14 | 9 45 | 2 24 | 9 31 | 1 8 | 15 40 | 0 20 | 7 23 | 1 3 | 2 58 | 2 16 | 23 39 | 0 18 | 7 21 | 1 13 | 3 56 | 16 40 | 4 17 | 4 13 | 16 19 | 8 41 | 0 13 |
| F 29 | 5 17 | 18 7 | 4 52 | 9 3 | 2 8 | 9 6 | 1 10 | 15 53 | 0 21 | 7 19 | 1 3 | 3 1 | 2 16 | 23 39 | 0 18 | 7 22 | 1 13 | 3 56 | 16 40 | 4 17 | 4 11 | 16 18 | 8 44 | 0 13 |
| S 30 | 5s41 | 18n17 | 5s13 | 8s18 | 1s50 | 8n40 | 1n12 | 16s 7 | 0s21 | 7n14 | 1n 3 | 3s 4 | 2n16 | 23n39 | 0n18 | 7s22 | 1s13 | 3s57 | 16s40 | 4s17 | 4s10 | 16s17 | 8s47 | 0s13 |

Julian Day Number = 2219136.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'52, Lahiri = 14°58'52 Julian Calendar 1 Sept. 1363 == Greg. Calendar 9 Sept. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## OCTOBER 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 8 54 | 15♎20'27 | 16♋10 | 15°R33 | 11♍58 | 13♏40 | 14♍19 | 13♎ 8 | 6♋38 | 14°R 9 | 0°R30 | 10°D48 | 10♎27 | 25♑13 | 22♎ 5 | S 1 |
| M 2 | 1 12 50 | 16°20'07 | 0♌23 | 14♎19 | 13°11 | 14°22 | 14°31 | 13°16 | 6°38 | 14♓ 8 | 0♉29 | 10♎48 | 10°24 | 25°20 | 22°14 | M 2 |
| T 3 | 1 16 47 | 17°19'48 | 14°38 | 13° 9 | 14°24 | 15° 5 | 14°43 | 13°23 | 6°38 | 14° 7 | 0°28 | 10°48 | 10°20 | 25°26 | 22°22 | T 3 |
| W 4 | 1 20 44 | 18°19'32 | 28°52 | 12° 4 | 15°37 | 15°48 | 14°55 | 13°30 | 6°38 | 14° 5 | 0°26 | 10°49 | 10°17 | 25°33 | 22°31 | W 4 |
| T 5 | 1 24 40 | 19°19'18 | 13♍ 0 | 11° 6 | 16°50 | 16°31 | 15° 7 | 13°37 | 6°R38 | 14° 4 | 0°25 | 10°50 | 10°14 | 25°40 | 22°40 | T 5 |
| F 6 | 1 28 37 | 20°19'06 | 27° 1 | 10°16 | 18° 4 | 17°13 | 15°18 | 13°45 | 6°38 | 14° 3 | 0°24 | 10°50 | 10°11 | 25°46 | 22°48 | F 6 |
| S 7 | 1 32 33 | 21°18'56 | 10♎50 | 9°36 | 19°17 | 17°56 | 15°30 | 13°52 | 6°38 | 14° 1 | 0°23 | 10°R51 | 10° 8 | 25°53 | 22°57 | S 7 |
| S 8 | 1 36 30 | 22°18'48 | 24°26 | 9° 7 | 20°30 | 18°39 | 15°42 | 13°59 | 6°38 | 14° 0 | 0°22 | 10°50 | 10° 4 | 26° 0 | 23° 5 | S 8 |
| M 9 | 1 40 26 | 23°18'42 | 7♏45 | 8°50 | 21°44 | 19°22 | 15°53 | 14° 6 | 6°38 | 13°59 | 0°21 | 10°49 | 10° 1 | 26° 7 | 23°14 | M 9 |
| T 10 | 1 44 23 | 24°18'39 | 20°46 | 8°D44 | 22°57 | 20° 5 | 16° 5 | 14°14 | 6°38 | 13°58 | 0°20 | 10°48 | 9°58 | 26°13 | 23°22 | T 10 |
| W11 | 1 48 19 | 25°18'37 | 3♐30 | 8°49 | 24°11 | 20°49 | 16°16 | 14°21 | 6°37 | 13°57 | 0°19 | 10°46 | 9°55 | 26°20 | 23°31 | W11 |
| T 12 | 1 52 16 | 26°18'37 | 15°57 | 9° 5 | 25°24 | 21°32 | 16°28 | 14°28 | 6°37 | 13°56 | 0°18 | 10°43 | 9°52 | 26°27 | 23°39 | T 12 |
| F 13 | 1 56 13 | 27°18'38 | 28°10 | 9°31 | 26°38 | 22°15 | 16°39 | 14°35 | 6°37 | 13°54 | 0°16 | 10°41 | 9°49 | 26°33 | 23°48 | F 13 |
| S 14 | 2 0 9 | 28°18'41 | 10♑11 | 10° 6 | 27°52 | 22°59 | 16°50 | 14°42 | 6°36 | 13°53 | 0°15 | 10°39 | 9°45 | 26°40 | 23°56 | S 14 |
| S 15 | 2 4 6 | 29°18'46 | 22° 6 | 10°50 | 29° 6 | 23°42 | 17° 2 | 14°49 | 6°36 | 13°52 | 0°14 | 10°38 | 9°42 | 26°47 | 24° 5 | S 15 |
| M16 | 2 8 2 | 0♏18'53 | 3♒58 | 11°42 | 0♎19 | 24°25 | 17°13 | 14°57 | 6°35 | 13°51 | 0°13 | 10°D38 | 9°39 | 26°54 | 24°13 | M16 |
| T 17 | 2 11 59 | 1°19'01 | 15°53 | 12°40 | 1°33 | 25° 9 | 17°24 | 15° 4 | 6°34 | 13°50 | 0°12 | 10°39 | 9°36 | 27° 0 | 24°22 | T 17 |
| W18 | 2 15 55 | 2°19'10 | 27°54 | 13°45 | 2°47 | 25°53 | 17°35 | 15°11 | 6°34 | 13°49 | 0°11 | 10°40 | 9°33 | 27° 7 | 24°30 | W18 |
| T 19 | 2 19 52 | 3°19'21 | 10♓ 8 | 14°54 | 4° 1 | 26°36 | 17°46 | 15°18 | 6°33 | 13°48 | 0°10 | 10°42 | 9°29 | 27°14 | 24°39 | T 19 |
| F 20 | 2 23 48 | 4°19'34 | 22°36 | 16° 8 | 5°15 | 27°20 | 17°56 | 15°25 | 6°32 | 13°47 | 0° 8 | 10°44 | 9°26 | 27°20 | 24°47 | F 20 |
| S 21 | 2 27 45 | 5°19'48 | 5♈24 | 17°26 | 6°30 | 28° 4 | 18° 7 | 15°32 | 6°31 | 13°47 | 0° 7 | 10°R45 | 9°23 | 27°27 | 24°55 | S 21 |
| S 22 | 2 31 42 | 6°20'04 | 18°32 | 18°47 | 7°44 | 28°48 | 18°18 | 15°39 | 6°31 | 13°46 | 0° 6 | 10°44 | 9°20 | 27°34 | 25° 4 | S 22 |
| M23 | 2 35 38 | 7°20'22 | 2♉ 0 | 20°11 | 8°58 | 29°32 | 18°28 | 15°46 | 6°30 | 13°45 | 0° 5 | 10°43 | 9°17 | 27°41 | 25°12 | M23 |
| T 24 | 2 39 35 | 8°20'41 | 15°48 | 21°37 | 10°12 | 0♐16 | 18°39 | 15°53 | 6°29 | 13°44 | 0° 4 | 10°40 | 9°14 | 27°47 | 25°21 | T 24 |
| W25 | 2 43 31 | 9°21'03 | 29°52 | 23° 5 | 11°26 | 1° 0 | 18°49 | 16° 0 | 6°28 | 13°43 | 0° 3 | 10°36 | 9°10 | 27°54 | 25°29 | W25 |
| T 26 | 2 47 28 | 10°21'26 | 14♊ 7 | 24°34 | 12°41 | 1°44 | 18°59 | 16° 6 | 6°27 | 13°43 | 0° 2 | 10°32 | 9° 7 | 28° 1 | 25°37 | T 26 |
| F 27 | 2 51 24 | 11°21'51 | 28°29 | 26° 5 | 13°55 | 2°28 | 19° 9 | 16°13 | 6°25 | 13°42 | 0° 1 | 10°27 | 9° 4 | 28° 7 | 25°46 | F 27 |
| S 28 | 2 55 21 | 12°22'17 | 12♋52 | 27°37 | 15°10 | 3°12 | 19°20 | 16°20 | 6°24 | 13°41 | 29♈59 | 10°23 | 9° 1 | 28°14 | 25°54 | S 28 |
| S 29 | 2 59 17 | 13°22'46 | 27°12 | 29°10 | 16°24 | 3°56 | 19°30 | 16°27 | 6°23 | 13°40 | 29°58 | 10°21 | 8°58 | 28°21 | 26° 2 | S 29 |
| M30 | 3 3 14 | 14°23'17 | 11♌26 | 0♏43 | 17°39 | 4°41 | 19°39 | 16°34 | 6°22 | 13°40 | 29°57 | 10°D20 | 8°55 | 28°28 | 26°11 | M30 |
| T 31 | 3 7 11 | 15♏23'49 | 25♌30 | 2♏17 | 18♎53 | 5♐25 | 19♍49 | 16♎40 | 6♋20 | 13♓39 | 29♈56 | 10♎20 | 8♎51 | 28♑34 | 26♎19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s 4 | 17n19 | 5s16 | 7s32 | 1s31 | 8n14 | 1n14 | 16s20 | 0s22 | 7n10 | 1n 3 | 3s 7 | 2n16 | 23n39 | 0n18 | 7s23 | 1s13 | 3s57 | 16s40 | 4s17 | 4s 9 | 16s16 | 8s49 | 0s12 |
| M 2 | 6 27 | 15 16 | 4 59 | 6 45 | 1 11 | 7 48 | 1 16 | 16 34 | 0 22 | 7 5 | 1 3 | 3 10 | 2 16 | 23 39 | 0 18 | 7 23 | 1 13 | 3 58 | 16 40 | 4 17 | 4 8 | 16 15 | 8 52 | 0 12 |
| T 3 | 6 50 | 12 17 | 4 24 | 5 59 | 0 50 | 7 22 | 1 18 | 16 47 | 0 23 | 7 1 | 1 3 | 3 12 | 2 16 | 23 39 | 0 18 | 7 24 | 1 13 | 3 58 | 16 40 | 4 17 | 4 6 | 16 14 | 8 55 | 0 12 |
| W 4 | 7 12 | 8 36 | 3 32 | 5 14 | 0 29 | 6 55 | 1 20 | 17 0 | 0 24 | 6 56 | 1 3 | 3 15 | 2 16 | 23 39 | 0 18 | 7 24 | 1 13 | 3 58 | 16 40 | 4 18 | 4 5 | 16 13 | 8 58 | 0 12 |
| T 5 | 7 35 | 4 25 | 2 28 | 4 33 | 0 9 | 6 28 | 1 22 | 17 13 | 0 24 | 6 52 | 1 4 | 3 18 | 2 16 | 23 39 | 0 18 | 7 25 | 1 13 | 3 59 | 16 40 | 4 18 | 4 4 | 16 12 | 9 1 | 0 11 |
| F 6 | 7 58 | 0 2 | 1 16 | 3 55 | 0n10 | 6 1 | 1 24 | 17 26 | 0 25 | 6 47 | 1 4 | 3 21 | 2 16 | 23 39 | 0 18 | 7 25 | 1 13 | 3 59 | 16 40 | 4 18 | 4 3 | 16 11 | 9 4 | 0 11 |
| S 7 | 8 20 | 4s18 | 0 0 | 3 22 | 0 29 | 5 34 | 1 25 | 17 38 | 0 25 | 6 43 | 1 4 | 3 24 | 2 16 | 23 39 | 0 18 | 7 26 | 1 13 | 4 0 | 16 40 | 4 18 | 4 1 | 16 10 | 9 7 | 0 11 |
| S 8 | 8 43 | 8 21 | 1n15 | 2 55 | 0 46 | 5 6 | 1 27 | 17 51 | 0 26 | 6 38 | 1 4 | 3 26 | 2 16 | 23 39 | 0 18 | 7 26 | 1 13 | 4 0 | 16 40 | 4 18 | 4 0 | 16 9 | 9 10 | 0 10 |
| M 9 | 9 5 | 11 53 | 2 23 | 2 34 | 1 2 | 4 39 | 1 28 | 18 3 | 0 27 | 6 34 | 1 4 | 3 29 | 2 16 | 23 39 | 0 18 | 7 27 | 1 13 | 4 0 | 16 40 | 4 18 | 3 59 | 16 8 | 9 13 | 0 10 |
| T 10 | 9 27 | 14 44 | 3 23 | 2 18 | 1 16 | 4 11 | 1 30 | 18 16 | 0 27 | 6 30 | 1 4 | 3 32 | 2 16 | 23 39 | 0 18 | 7 27 | 1 13 | 4 1 | 16 40 | 4 17 | 3 58 | 16 7 | 9 16 | 0 10 |
| W11 | 9 49 | 16 48 | 4 12 | 2 9 | 1 29 | 3 43 | 1 31 | 18 28 | 0 28 | 6 25 | 1 4 | 3 35 | 2 17 | 23 40 | 0 18 | 7 27 | 1 13 | 4 1 | 16 40 | 4 16 | 3 56 | 16 6 | 9 18 | 0 10 |
| T 12 | 10 11 | 18 1 | 4 47 | 2 5 | 1 39 | 3 15 | 1 32 | 18 40 | 0 28 | 6 21 | 1 5 | 3 37 | 2 17 | 23 40 | 0 18 | 7 28 | 1 13 | 4 2 | 16 40 | 4 15 | 3 55 | 16 5 | 9 21 | 0 9 |
| F 13 | 10 33 | 18 22 | 5 8 | 2 7 | 1 48 | 2 46 | 1 34 | 18 52 | 0 29 | 6 17 | 1 5 | 3 40 | 2 17 | 23 40 | 0 18 | 7 28 | 1 13 | 4 2 | 16 40 | 4 15 | 3 54 | 16 4 | 9 24 | 0 9 |
| S 14 | 10 55 | 17 53 | 5 16 | 2 14 | 1 56 | 2 18 | 1 35 | 19 3 | 0 30 | 6 13 | 1 5 | 3 43 | 2 17 | 23 40 | 0 18 | 7 29 | 1 13 | 4 2 | 16 40 | 4 14 | 3 53 | 16 3 | 9 27 | 0 9 |
| S 15 | 11 16 | 16 37 | 5 9 | 2 26 | 2 2 | 1 49 | 1 36 | 19 15 | 0 30 | 6 8 | 1 5 | 3 46 | 2 17 | 23 40 | 0 18 | 7 29 | 1 13 | 4 3 | 16 40 | 4 14 | 3 51 | 16 2 | 9 30 | 0 8 |
| M16 | 11 37 | 14 38 | 4 50 | 2 42 | 2 6 | 1 21 | 1 37 | 19 26 | 0 31 | 6 4 | 1 5 | 3 48 | 2 17 | 23 40 | 0 18 | 7 29 | 1 13 | 4 3 | 16 40 | 4 14 | 3 50 | 16 1 | 9 33 | 0 8 |
| T 17 | 11 58 | 12 1 | 4 18 | 3 2 | 2 9 | 0 52 | 1 37 | 19 37 | 0 31 | 6 0 | 1 5 | 3 51 | 2 17 | 23 40 | 0 19 | 7 30 | 1 13 | 4 3 | 16 40 | 4 14 | 3 49 | 16 0 | 9 36 | 0 8 |
| W18 | 12 19 | 8 53 | 3 34 | 3 26 | 2 11 | 0 23 | 1 38 | 19 48 | 0 32 | 5 56 | 1 6 | 3 54 | 2 17 | 23 40 | 0 19 | 7 30 | 1 13 | 4 4 | 16 40 | 4 14 | 3 48 | 15 59 | 9 39 | 0 8 |
| T 19 | 12 40 | 5 19 | 2 41 | 3 52 | 2 12 | 0s 6 | 1 39 | 19 59 | 0 32 | 5 52 | 1 6 | 3 56 | 2 17 | 23 40 | 0 19 | 7 31 | 1 13 | 4 4 | 16 40 | 4 15 | 3 46 | 15 58 | 9 41 | 0 7 |
| F 20 | 13 0 | 1 26 | 1 38 | 4 20 | 2 12 | 0 35 | 1 39 | 20 10 | 0 33 | 5 48 | 1 6 | 3 59 | 2 17 | 23 40 | 0 19 | 7 31 | 1 13 | 4 4 | 16 40 | 4 16 | 3 45 | 15 57 | 9 44 | 0 7 |
| S 21 | 13 21 | 2n36 | 0 29 | 4 51 | 2 11 | 1 3 | 1 40 | 20 20 | 0 33 | 5 44 | 1 6 | 4 1 | 2 17 | 23 40 | 0 19 | 7 31 | 1 13 | 4 5 | 16 40 | 4 16 | 3 44 | 15 56 | 9 47 | 0 7 |
| S 22 | 13 41 | 6 38 | 0s43 | 5 24 | 2 9 | 1 32 | 1 40 | 20 31 | 0 34 | 5 40 | 1 6 | 4 4 | 2 17 | 23 40 | 0 19 | 7 32 | 1 13 | 4 5 | 16 40 | 4 16 | 3 43 | 15 55 | 9 50 | 0 6 |
| M23 | 14 0 | 10 26 | 1 54 | 5 58 | 2 6 | 2 1 | 1 41 | 20 41 | 0 35 | 5 36 | 1 6 | 4 7 | 2 17 | 23 40 | 0 19 | 7 32 | 1 13 | 4 5 | 16 40 | 4 15 | 3 41 | 15 54 | 9 53 | 0 6 |
| T 24 | 14 20 | 13 45 | 3 0 | 6 33 | 2 3 | 2 30 | 1 41 | 20 51 | 0 35 | 5 32 | 1 7 | 4 9 | 2 17 | 23 40 | 0 19 | 7 32 | 1 13 | 4 6 | 16 40 | 4 14 | 3 40 | 15 53 | 9 56 | 0 6 |
| W25 | 14 39 | 16 20 | 3 57 | 7 9 | 1 59 | 2 59 | 1 41 | 21 1 | 0 36 | 5 28 | 1 7 | 4 12 | 2 18 | 23 40 | 0 19 | 7 32 | 1 13 | 4 6 | 16 40 | 4 13 | 3 39 | 15 52 | 9 58 | 0 6 |
| T 26 | 14 59 | 17 56 | 4 40 | 7 46 | 1 55 | 3 28 | 1 41 | 21 10 | 0 36 | 5 24 | 1 7 | 4 14 | 2 18 | 23 40 | 0 19 | 7 33 | 1 13 | 4 6 | 16 40 | 4 11 | 3 38 | 15 51 | 10 1 | 0 5 |
| F 27 | 15 17 | 18 25 | 5 5 | 8 24 | 1 50 | 3 57 | 1 41 | 21 19 | 0 37 | 5 20 | 1 7 | 4 17 | 2 18 | 23 41 | 0 19 | 7 33 | 1 13 | 4 7 | 16 40 | 4 9 | 3 36 | 15 50 | 10 4 | 0 5 |
| S 28 | 15 36 | 17 43 | 5 12 | 9 1 | 1 45 | 4 26 | 1 41 | 21 29 | 0 37 | 5 16 | 1 7 | 4 19 | 2 18 | 23 41 | 0 19 | 7 33 | 1 13 | 4 7 | 16 40 | 4 8 | 3 35 | 15 49 | 10 7 | 0 5 |
| S 29 | 15 54 | 15 54 | 4 59 | 9 39 | 1 40 | 4 55 | 1 41 | 21 38 | 0 38 | 5 12 | 1 7 | 4 22 | 2 18 | 23 41 | 0 19 | 7 33 | 1 13 | 4 7 | 16 39 | 4 7 | 3 34 | 15 48 | 10 9 | 0 4 |
| M30 | 16 13 | 13 7 | 4 28 | 10 18 | 1 34 | 5 24 | 1 41 | 21 46 | 0 38 | 5 9 | 1 8 | 4 24 | 2 18 | 23 41 | 0 19 | 7 34 | 1 13 | 4 7 | 16 39 | 4 6 | 3 33 | 15 47 | 10 12 | 0 4 |
| T 31 | 16s30 | 9n36 | 3s40 | 10s56 | 1n28 | 5s52 | 1n41 | 21s55 | 0s39 | 5n 5 | 1n 8 | 4s27 | 2n18 | 23n41 | 0n19 | 7s34 | 1s12 | 4s 8 | 16s39 | 4s 6 | 3s31 | 15s46 | 10s15 | 0s 4 |

Julian Day Number = 2219166.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°51'56, Lahiri = 14°58'56 Julian Calendar 1 Oct. 1363 == Greg. Calendar 9 Oct. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## NOVEMBER 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 11 7 | 16♏24'23 | 9♍25 | 3♏51 | 20♎ 8 | 6♐10 | 19♍59 | 16♎47 | 6°R19 | 13°R39 | 29°R55 | 10♎21 | 8♎48 | 28♉41 | 26♎27 | W 1 |
| T 2 | 3 15 4 | 17°24'59 | 23° 9 | 5°26 | 21°22 | 6°54 | 20° 9 | 16°54 | 6♋18 | 13♓38 | 29♈54 | 10°23 | 8°45 | 28°48 | 26°35 | T 2 |
| F 3 | 3 19 0 | 18°25'37 | 6♎42 | 7° 1 | 22°37 | 7°39 | 20°18 | 17° 0 | 6°16 | 13°38 | 29°53 | 10°R24 | 8°42 | 28°54 | 26°43 | F 3 |
| S 4 | 3 22 57 | 19°26'16 | 20° 5 | 8°36 | 23°52 | 8°23 | 20°27 | 17° 7 | 6°15 | 13°37 | 29°52 | 10°24 | 8°39 | 29° 1 | 26°51 | S 4 |
| S 5 | 3 26 53 | 20°26'58 | 3♏16 | 10°10 | 25° 7 | 9° 8 | 20°37 | 17°13 | 6°13 | 13°37 | 29°51 | 10°21 | 8°35 | 29° 8 | 27° 0 | S 5 |
| M 6 | 3 30 50 | 21°27'40 | 16°15 | 11°45 | 26°21 | 9°53 | 20°46 | 17°20 | 6°12 | 13°36 | 29°50 | 10°17 | 8°32 | 29°15 | 27° 8 | M 6 |
| T 7 | 3 34 46 | 22°28'24 | 29° 2 | 13°20 | 27°36 | 10°38 | 20°55 | 17°26 | 6°10 | 13°36 | 29°49 | 10°10 | 8°29 | 29°21 | 27°16 | T 7 |
| W 8 | 3 38 43 | 23°29'10 | 11♐36 | 14°55 | 28°51 | 11°22 | 21° 4 | 17°33 | 6° 8 | 13°36 | 29°48 | 10° 3 | 8°26 | 29°28 | 27°24 | W 8 |
| T 9 | 3 42 39 | 24°29'56 | 23°57 | 16°30 | 0♏ 6 | 12° 7 | 21°13 | 17°39 | 6° 7 | 13°35 | 29°47 | 9°54 | 8°23 | 29°35 | 27°32 | T 9 |
| F 10 | 3 46 36 | 25°30'44 | 6♑ 7 | 18° 5 | 1°21 | 12°52 | 21°22 | 17°45 | 6° 5 | 13°35 | 29°46 | 9°45 | 8°20 | 29°41 | 27°39 | F 10 |
| S 11 | 3 50 33 | 26°31'33 | 18° 7 | 19°40 | 2°36 | 13°37 | 21°30 | 17°51 | 6° 3 | 13°35 | 29°45 | 9°38 | 8°16 | 29°48 | 27°47 | S 11 |
| S 12 | 3 54 29 | 27°32'23 | 29°59 | 21°14 | 3°51 | 14°22 | 21°39 | 17°58 | 6° 1 | 13°35 | 29°44 | 9°32 | 8°13 | 29°55 | 27°55 | S 12 |
| M13 | 3 58 26 | 28°33'14 | 11♒50 | 22°49 | 5° 6 | 15° 8 | 21°47 | 18° 4 | 5°59 | 13°35 | 29°43 | 9°28 | 8°10 | 0♒ 2 | 28° 3 | M13 |
| T 14 | 4 2 22 | 29°34'06 | 23°42 | 24°23 | 6°21 | 15°53 | 21°55 | 18°10 | 5°57 | 13°34 | 29°42 | 9°26 | 8° 7 | 0° 8 | 28°11 | T 14 |
| W15 | 4 6 19 | 0♐34'59 | 5♓41 | 25°58 | 7°36 | 16°38 | 22° 3 | 18°16 | 5°55 | 13°34 | 29°41 | 9°D26 | 8° 4 | 0°15 | 28°18 | W15 |
| T 16 | 4 10 15 | 1°35'52 | 17°51 | 27°32 | 8°51 | 17°23 | 22°11 | 18°22 | 5°53 | 13°34 | 29°40 | 9°27 | 8° 1 | 0°22 | 28°26 | T 16 |
| F 17 | 4 14 12 | 2°36'47 | 0♈18 | 29° 6 | 10° 6 | 18° 9 | 22°19 | 18°28 | 5°51 | 13°D34 | 29°39 | 9°28 | 7°57 | 0°28 | 28°34 | F 17 |
| S 18 | 4 18 8 | 3°37'42 | 13° 6 | 0♐41 | 11°21 | 18°54 | 22°27 | 18°34 | 5°49 | 13°34 | 29°38 | 9°R28 | 7°54 | 0°35 | 28°41 | S 18 |
| S 19 | 4 22 5 | 4°38'38 | 26°20 | 2°15 | 12°36 | 19°39 | 22°34 | 18°39 | 5°47 | 13°34 | 29°37 | 9°27 | 7°51 | 0°42 | 28°49 | S 19 |
| M20 | 4 26 2 | 5°39'35 | 10♉ 0 | 3°49 | 13°51 | 20°25 | 22°42 | 18°45 | 5°45 | 13°34 | 29°36 | 9°23 | 7°48 | 0°49 | 28°56 | M20 |
| T 21 | 4 29 58 | 6°40'32 | 24° 6 | 5°23 | 15° 6 | 21°10 | 22°49 | 18°51 | 5°43 | 13°34 | 29°35 | 9°17 | 7°45 | 0°55 | 29° 4 | T 21 |
| W22 | 4 33 55 | 7°41'31 | 8♊34 | 6°58 | 16°21 | 21°56 | 22°56 | 18°56 | 5°41 | 13°35 | 29°35 | 9° 9 | 7°41 | 1° 2 | 29°11 | W22 |
| T 23 | 4 37 51 | 8°42'31 | 23°18 | 8°32 | 17°36 | 22°42 | 23° 3 | 19° 2 | 5°39 | 13°35 | 29°34 | 8°59 | 7°38 | 1° 9 | 29°18 | T 23 |
| F 24 | 4 41 48 | 9°43'31 | 8♋ 9 | 10° 6 | 18°51 | 23°27 | 23°10 | 19° 7 | 5°36 | 13°35 | 29°33 | 8°49 | 7°35 | 1°15 | 29°25 | F 24 |
| S 25 | 4 45 44 | 10°44'32 | 22°59 | 11°41 | 20° 7 | 24°13 | 23°17 | 19°13 | 5°34 | 13°35 | 29°32 | 8°40 | 7°32 | 1°22 | 29°33 | S 25 |
| S 26 | 4 49 41 | 11°45'35 | 7♌41 | 13°15 | 21°22 | 24°59 | 23°24 | 19°18 | 5°32 | 13°36 | 29°31 | 8°34 | 7°29 | 1°29 | 29°40 | S 26 |
| M27 | 4 53 38 | 12°46'38 | 22° 7 | 14°50 | 22°37 | 25°45 | 23°30 | 19°24 | 5°30 | 13°36 | 29°30 | 8°30 | 7°26 | 1°36 | 29°47 | M27 |
| T 28 | 4 57 34 | 13°47'43 | 6♍16 | 16°24 | 23°52 | 26°31 | 23°36 | 19°29 | 5°27 | 13°36 | 29°30 | 8°28 | 7°22 | 1°42 | 29°54 | T 28 |
| W29 | 5 1 31 | 14°48'48 | 20° 6 | 17°59 | 25° 7 | 27°16 | 23°43 | 19°34 | 5°25 | 13°37 | 29°29 | 8°D28 | 7°19 | 1°49 | 0♏ 1 | W29 |
| T 30 | 5 5 27 | 15♐49'54 | 3♎38 | 19♐34 | 26♏23 | 28♐ 2 | 23♍49 | 19♎39 | 5♋22 | 13♓37 | 29♈28 | 8°R28 | 7♎16 | 1♒56 | 0♏ 8 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s48 | 5n35 | 2s41 | 11s34 | 1n22 | 6s21 | 1n40 | 22s 3 | 0s39 | 5n 1 | 1n 8 | 4s29 | 2n18 | 23n41 | 0n19 | 7s34 | 1s12 | 4s 8 | 16s39 | 4s 7 | 3s30 | 15s45 | 10s18 | 0s 4 |
| T 2 | 17 5 | 1 19 | 1 33 | 12 11 | 1 16 | 6 49 | 1 40 | 22 11 | 0 40 | 4 58 | 1 8 | 4 32 | 2 18 | 23 41 | 0 19 | 7 34 | 1 12 | 4 8 | 16 39 | 4 7 | 3 29 | 15 44 | 10 20 | 0 3 |
| F 3 | 17 22 | 2s59 | 0 20 | 12 49 | 1 9 | 7 17 | 1 39 | 22 19 | 0 40 | 4 54 | 1 8 | 4 34 | 2 19 | 23 41 | 0 19 | 7 34 | 1 12 | 4 8 | 16 39 | 4 8 | 3 28 | 15 43 | 10 23 | 0 3 |
| S 4 | 17 39 | 7 4 | 0n52 | 13 25 | 1 3 | 7 46 | 1 39 | 22 27 | 0 41 | 4 51 | 1 9 | 4 37 | 2 19 | 23 41 | 0 19 | 7 34 | 1 12 | 4 9 | 16 39 | 4 8 | 3 26 | 15 42 | 10 26 | 0 3 |
| S 5 | 17 55 | 10 45 | 2 1 | 14 2 | 0 56 | 8 14 | 1 38 | 22 35 | 0 41 | 4 47 | 1 9 | 4 39 | 2 19 | 23 41 | 0 19 | 7 35 | 1 12 | 4 9 | 16 39 | 4 7 | 3 25 | 15 41 | 10 28 | 0 2 |
| M 6 | 18 11 | 13 51 | 3 2 | 14 38 | 0 49 | 8 41 | 1 38 | 22 42 | 0 42 | 4 44 | 1 9 | 4 41 | 2 19 | 23 41 | 0 19 | 7 35 | 1 12 | 4 9 | 16 38 | 4 5 | 3 24 | 15 40 | 10 31 | 0 2 |
| T 7 | 18 27 | 16 13 | 3 53 | 15 13 | 0 42 | 9 9 | 1 37 | 22 49 | 0 42 | 4 40 | 1 9 | 4 44 | 2 19 | 23 41 | 0 19 | 7 35 | 1 12 | 4 9 | 16 38 | 4 3 | 3 23 | 15 39 | 10 34 | 0 2 |
| W 8 | 18 42 | 17 46 | 4 31 | 15 48 | 0 36 | 9 36 | 1 36 | 22 56 | 0 43 | 4 37 | 1 9 | 4 46 | 2 19 | 23 42 | 0 19 | 7 35 | 1 12 | 4 9 | 16 38 | 3 59 | 3 21 | 15 38 | 10 36 | 0 2 |
| T 9 | 18 57 | 18 27 | 4 56 | 16 22 | 0 29 | 10 4 | 1 35 | 23 2 | 0 43 | 4 34 | 1 10 | 4 48 | 2 19 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 38 | 3 56 | 3 20 | 15 37 | 10 39 | 0 1 |
| F 10 | 19 12 | 18 16 | 5 7 | 16 56 | 0 22 | 10 31 | 1 34 | 23 9 | 0 44 | 4 30 | 1 10 | 4 50 | 2 19 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 38 | 3 53 | 3 19 | 15 36 | 10 41 | 0 1 |
| S 11 | 19 27 | 17 16 | 5 4 | 17 28 | 0 15 | 10 58 | 1 33 | 23 15 | 0 44 | 4 27 | 1 10 | 4 53 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 38 | 3 50 | 3 18 | 15 35 | 10 44 | 0 1 |
| S 12 | 19 41 | 15 31 | 4 48 | 18 0 | 0 8 | 11 24 | 1 32 | 23 21 | 0 45 | 4 24 | 1 10 | 4 55 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 37 | 3 47 | 3 16 | 15 34 | 10 46 | 0 0 |
| M13 | 19 54 | 13 8 | 4 20 | 18 31 | 0 1 | 11 50 | 1 31 | 23 26 | 0 45 | 4 21 | 1 10 | 4 57 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 37 | 3 46 | 3 15 | 15 32 | 10 49 | 0 0 |
| T 14 | 20 8 | 10 11 | 3 41 | 19 1 | 0s 6 | 12 16 | 1 29 | 23 32 | 0 46 | 4 18 | 1 11 | 4 59 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 10 | 16 37 | 3 45 | 3 14 | 15 31 | 10 52 | 0n 0 |
| W15 | 20 20 | 6 48 | 2 52 | 19 30 | 0 12 | 12 42 | 1 28 | 23 37 | 0 46 | 4 15 | 1 11 | 5 1 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 11 | 16 37 | 3 45 | 3 12 | 15 30 | 10 54 | 0 0 |
| T 16 | 20 33 | 3 5 | 1 54 | 19 59 | 0 19 | 13 8 | 1 27 | 23 42 | 0 47 | 4 12 | 1 11 | 5 4 | 2 20 | 23 42 | 0 19 | 7 35 | 1 12 | 4 11 | 16 37 | 3 45 | 3 11 | 15 29 | 10 56 | 0 1 |
| F 17 | 20 45 | 0n52 | 0 49 | 20 26 | 0 25 | 13 33 | 1 25 | 23 46 | 0 47 | 4 9 | 1 11 | 5 6 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 37 | 3 46 | 3 10 | 15 28 | 10 59 | 0 1 |
| S 18 | 20 57 | 4 54 | 0s20 | 20 53 | 0 32 | 13 57 | 1 24 | 23 51 | 0 48 | 4 6 | 1 12 | 5 8 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 36 | 3 46 | 3 9 | 15 27 | 11 1 | 0 1 |
| S 19 | 21 8 | 8 49 | 1 29 | 21 18 | 0 38 | 14 22 | 1 22 | 23 55 | 0 48 | 4 3 | 1 12 | 5 10 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 36 | 3 45 | 3 7 | 15 26 | 11 4 | 0 2 |
| M20 | 21 19 | 12 24 | 2 36 | 21 43 | 0 44 | 14 46 | 1 21 | 23 59 | 0 48 | 4 1 | 1 12 | 5 12 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 36 | 3 44 | 3 6 | 15 25 | 11 6 | 0 2 |
| T 21 | 21 30 | 15 23 | 3 35 | 22 6 | 0 50 | 15 10 | 1 19 | 24 2 | 0 49 | 3 58 | 1 12 | 5 14 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 36 | 3 41 | 3 5 | 15 24 | 11 8 | 0 2 |
| W22 | 21 40 | 17 29 | 4 22 | 22 28 | 0 56 | 15 33 | 1 17 | 24 6 | 0 49 | 3 55 | 1 13 | 5 16 | 2 21 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 35 | 3 38 | 3 4 | 15 23 | 11 11 | 0 3 |
| T 23 | 21 50 | 18 29 | 4 53 | 22 49 | 1 2 | 15 56 | 1 16 | 24 9 | 0 50 | 3 53 | 1 13 | 5 18 | 2 22 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 35 | 3 34 | 3 2 | 15 22 | 11 13 | 0 3 |
| F 24 | 21 59 | 18 13 | 5 4 | 23 10 | 1 8 | 16 18 | 1 14 | 24 11 | 0 50 | 3 50 | 1 13 | 5 20 | 2 22 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 35 | 3 30 | 3 1 | 15 21 | 11 15 | 0 3 |
| S 25 | 22 8 | 16 43 | 4 54 | 23 28 | 1 13 | 16 40 | 1 12 | 24 14 | 0 51 | 3 48 | 1 13 | 5 21 | 2 22 | 23 43 | 0 19 | 7 35 | 1 12 | 4 11 | 16 35 | 3 27 | 3 0 | 15 20 | 11 18 | 0 3 |
| S 26 | 22 16 | 14 8 | 4 26 | 23 46 | 1 19 | 17 2 | 1 10 | 24 16 | 0 51 | 3 45 | 1 14 | 5 23 | 2 22 | 23 44 | 0 19 | 7 34 | 1 12 | 4 12 | 16 34 | 3 24 | 2 59 | 15 18 | 11 20 | 0 4 |
| M27 | 22 24 | 10 42 | 3 41 | 24 3 | 1 24 | 17 23 | 1 8 | 24 18 | 0 51 | 3 43 | 1 14 | 5 25 | 2 22 | 23 44 | 0 19 | 7 34 | 1 12 | 4 12 | 16 34 | 3 23 | 2 57 | 15 17 | 11 22 | 0 4 |
| T 28 | 22 32 | 6 43 | 2 43 | 24 18 | 1 29 | 17 44 | 1 6 | 24 20 | 0 52 | 3 41 | 1 14 | 5 27 | 2 23 | 23 44 | 0 19 | 7 34 | 1 12 | 4 12 | 16 34 | 3 22 | 2 56 | 15 16 | 11 24 | 0 4 |
| W29 | 22 39 | 2 28 | 1 36 | 24 32 | 1 34 | 18 4 | 1 4 | 24 22 | 0 52 | 3 39 | 1 14 | 5 29 | 2 23 | 23 44 | 0 19 | 7 34 | 1 12 | 4 12 | 16 34 | 3 22 | 2 55 | 15 15 | 11 27 | 0 5 |
| T 30 | 22s46 | 1s50 | 0s26 | 24s44 | 1s38 | 18s24 | 1n 2 | 24s23 | 0s53 | 3n36 | 1n15 | 5s30 | 2n23 | 23n44 | 0n19 | 7s34 | 1s12 | 4s12 | 16s33 | 3s22 | 2s54 | 15s14 | 11s29 | 0n 5 |

Julian Day Number = 2219197.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'00, Lahiri = 14°59'00 Julian Calendar 1 Nov. 1363 == Greg. Calendar 9 Nov. 1363


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# ASTRODIENST EPHEMERIS for the year 1363
# geocentric

## DECEMBER 1363 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 9 24 | 16♐51'01 | 16♎53 | 21♐ 9 | 27♏38 | 28♐48 | 23♍54 | 19♎44 | 5°R20 | 13♓38 | 29°R27 | 8°R28 | 7♎13 | 2♒ 2 | 0♏14 | F 1 |
| S 2 | 5 13 20 | 17°52'09 | 29°55 | 22°44 | 28°53 | 29°34 | 24° 0 | 19°49 | 5♋18 | 13°38 | 29♈27 | 8♎26 | 7°10 | 2° 9 | 0°21 | S 2 |
| S 3 | 5 17 17 | 18°53'18 | 12♏45 | 24°20 | 0♐ 8 | 0♑21 | 24° 6 | 19°54 | 5°15 | 13°39 | 29°26 | 8°21 | 7° 7 | 2°16 | 0°28 | S 3 |
| M 4 | 5 21 13 | 19°54'27 | 25°23 | 25°55 | 1°24 | 1° 7 | 24°11 | 19°59 | 5°13 | 13°39 | 29°25 | 8°13 | 7° 3 | 2°23 | 0°35 | M 4 |
| T 5 | 5 25 10 | 20°55'37 | 7♐52 | 27°31 | 2°39 | 1°53 | 24°16 | 20° 3 | 5°10 | 13°40 | 29°25 | 8° 3 | 7° 0 | 2°29 | 0°41 | T 5 |
| W 6 | 5 29 7 | 21°56'48 | 20°12 | 29° 7 | 3°54 | 2°39 | 24°21 | 20° 8 | 5° 8 | 13°40 | 29°24 | 7°50 | 6°57 | 2°36 | 0°48 | W 6 |
| T 7 | 5 33 3 | 22°57'59 | 2♑23 | 0♑43 | 5°10 | 3°25 | 24°26 | 20°13 | 5° 5 | 13°41 | 29°23 | 7°35 | 6°54 | 2°43 | 0°54 | T 7 |
| F 8 | 5 37 0 | 23°59'10 | 14°27 | 2°19 | 6°25 | 4°12 | 24°31 | 20°17 | 5° 3 | 13°42 | 29°23 | 7°21 | 6°51 | 2°49 | 1° 0 | F 8 |
| S 9 | 5 40 56 | 25° 0'21 | 26°23 | 3°56 | 7°40 | 4°58 | 24°35 | 20°21 | 5° 0 | 13°42 | 29°22 | 7° 8 | 6°47 | 2°56 | 1° 7 | S 9 |
| S 10 | 5 44 53 | 26° 1'33 | 8♒14 | 5°32 | 8°56 | 5°44 | 24°40 | 20°26 | 4°58 | 13°43 | 29°22 | 6°57 | 6°44 | 3° 3 | 1°13 | S 10 |
| M11 | 5 48 49 | 27° 2'44 | 20° 3 | 7° 9 | 10°11 | 6°31 | 24°44 | 20°30 | 4°55 | 13°44 | 29°21 | 6°49 | 6°41 | 3°10 | 1°19 | M11 |
| T 12 | 5 52 46 | 28° 3'56 | 1♓53 | 8°46 | 11°26 | 7°17 | 24°48 | 20°34 | 4°52 | 13°45 | 29°21 | 6°43 | 6°38 | 3°16 | 1°25 | T 12 |
| W13 | 5 56 42 | 29° 5'07 | 13°48 | 10°22 | 12°42 | 8° 4 | 24°52 | 20°38 | 4°50 | 13°46 | 29°20 | 6°41 | 6°35 | 3°23 | 1°31 | W13 |
| T 14 | 6 0 39 | 0♑ 6'18 | 25°54 | 11°59 | 13°57 | 8°50 | 24°56 | 20°42 | 4°47 | 13°47 | 29°20 | 6°40 | 6°32 | 3°30 | 1°37 | T 14 |
| F 15 | 6 4 36 | 1° 7'29 | 8♈16 | 13°35 | 15°12 | 9°37 | 24°59 | 20°46 | 4°45 | 13°48 | 29°19 | 6°40 | 6°28 | 3°36 | 1°43 | F 15 |
| S 16 | 6 8 32 | 2° 8'40 | 20°59 | 15°11 | 16°28 | 10°23 | 25° 2 | 20°50 | 4°42 | 13°49 | 29°19 | 6°39 | 6°25 | 3°43 | 1°48 | S 16 |
| S 17 | 6 12 29 | 3° 9'51 | 4♉ 8 | 16°47 | 17°43 | 11°10 | 25° 6 | 20°54 | 4°40 | 13°50 | 29°18 | 6°37 | 6°22 | 3°50 | 1°54 | S 17 |
| M18 | 6 16 25 | 4°11'01 | 17°46 | 18°23 | 18°58 | 11°57 | 25° 9 | 20°57 | 4°37 | 13°51 | 29°18 | 6°33 | 6°19 | 3°57 | 2° 0 | M18 |
| T 19 | 6 20 22 | 5°12'11 | 1♊55 | 19°57 | 20°14 | 12°43 | 25°11 | 21° 1 | 4°34 | 13°52 | 29°18 | 6°25 | 6°16 | 4° 3 | 2° 5 | T 19 |
| W20 | 6 24 18 | 6°13'20 | 16°32 | 21°31 | 21°29 | 13°30 | 25°14 | 21° 4 | 4°32 | 13°53 | 29°17 | 6°15 | 6°13 | 4°10 | 2°11 | W20 |
| T 21 | 6 28 15 | 7°14'30 | 1♋31 | 23° 4 | 22°44 | 14°17 | 25°16 | 21° 8 | 4°29 | 13°54 | 29°17 | 6° 4 | 6° 9 | 4°17 | 2°16 | T 21 |
| F 22 | 6 32 11 | 8°15'39 | 16°42 | 24°36 | 24° 0 | 15° 4 | 25°19 | 21°11 | 4°27 | 13°55 | 29°17 | 5°52 | 6° 6 | 4°23 | 2°21 | F 22 |
| S 23 | 6 36 8 | 9°16'48 | 1♌56 | 26° 6 | 25°15 | 15°50 | 25°21 | 21°14 | 4°24 | 13°56 | 29°16 | 5°41 | 6° 3 | 4°30 | 2°26 | S 23 |
| S 24 | 6 40 5 | 10°17'57 | 17° 1 | 27°34 | 26°30 | 16°37 | 25°23 | 21°17 | 4°21 | 13°57 | 29°16 | 5°32 | 6° 0 | 4°37 | 2°31 | S 24 |
| M25 | 6 44 1 | 11°19'05 | 1♍49 | 28°59 | 27°46 | 17°24 | 25°24 | 21°20 | 4°19 | 13°59 | 29°16 | 5°26 | 5°57 | 4°43 | 2°36 | M25 |
| T 26 | 6 47 58 | 12°20'14 | 16°13 | 0♒22 | 29° 1 | 18°11 | 25°26 | 21°23 | 4°16 | 14° 0 | 29°15 | 5°23 | 5°53 | 4°50 | 2°41 | T 26 |
| W27 | 6 51 54 | 13°21'22 | 0♎12 | 1°42 | 0♑16 | 18°58 | 25°27 | 21°26 | 4°14 | 14° 1 | 29°15 | 5°22 | 5°50 | 4°57 | 2°46 | W27 |
| T 28 | 6 55 51 | 14°22'30 | 13°46 | 2°57 | 1°32 | 19°45 | 25°28 | 21°29 | 4°11 | 14° 3 | 29°15 | 5°22 | 5°47 | 5° 4 | 2°50 | T 28 |
| F 29 | 6 59 47 | 15°23'38 | 26°58 | 4° 8 | 2°47 | 20°32 | 25°29 | 21°31 | 4° 9 | 14° 4 | 29°15 | 5°22 | 5°44 | 5°10 | 2°55 | F 29 |
| S 30 | 7 3 44 | 16°24'46 | 9♏50 | 5°14 | 4° 2 | 21°19 | 25°30 | 21°34 | 4° 6 | 14° 5 | 29°15 | 5°20 | 5°41 | 5°17 | 3° 0 | S 30 |
| S 31 | 7 7 40 | 17♑25'54 | 22♏27 | 6♒13 | 5♑18 | 22♑ 6 | 25♍30 | 21♎36 | 4♋ 4 | 14♓ 7 | 29♈15 | 5♎15 | 5♎38 | 5♒24 | 3♏ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s52 | 5s58 | 0n45 | 24s55 | 1s42 | 18s43 | 1n 0 | 24s24 | 0s53 | 3n34 | 1n15 | 5s32 | 2n23 | 23n44 | 0n19 | 7s34 | 1s11 | 4s12 | 16s33 | 3s22 | 2s52 | 15s13 | 11s31 | 0n 5 |
| S 2 | 22 58 | 9 45 | 1 51 | 25 5 | 1 46 | 19 2 | 0 58 | 24 24 | 0 53 | 3 32 | 1 15 | 5 34 | 2 23 | 23 44 | 0 19 | 7 33 | 1 11 | 4 12 | 16 33 | 3 21 | 2 51 | 15 12 | 11 33 | 0 6 |
| S 3 | 23 3 | 13 0 | 2 51 | 25 14 | 1 50 | 19 20 | 0 56 | 24 25 | 0 54 | 3 30 | 1 15 | 5 35 | 2 24 | 23 44 | 0 19 | 7 33 | 1 11 | 4 12 | 16 33 | 3 19 | 2 50 | 15 11 | 11 35 | 0 6 |
| M 4 | 23 8 | 15 35 | 3 42 | 25 21 | 1 54 | 19 38 | 0 53 | 24 25 | 0 54 | 3 28 | 1 16 | 5 37 | 2 24 | 23 44 | 0 20 | 7 33 | 1 11 | 4 11 | 16 32 | 3 16 | 2 49 | 15 10 | 11 37 | 0 6 |
| T 5 | 23 12 | 17 25 | 4 20 | 25 27 | 1 57 | 19 55 | 0 51 | 24 25 | 0 54 | 3 27 | 1 16 | 5 39 | 2 24 | 23 45 | 0 20 | 7 33 | 1 11 | 4 11 | 16 32 | 3 12 | 2 47 | 15 9 | 11 39 | 0 6 |
| W 6 | 23 16 | 18 24 | 4 46 | 25 31 | 2 0 | 20 12 | 0 49 | 24 24 | 0 55 | 3 25 | 1 16 | 5 40 | 2 24 | 23 45 | 0 20 | 7 32 | 1 11 | 4 11 | 16 32 | 3 7 | 2 46 | 15 7 | 11 41 | 0 7 |
| T 7 | 23 20 | 18 31 | 4 59 | 25 33 | 2 2 | 20 28 | 0 47 | 24 24 | 0 55 | 3 23 | 1 16 | 5 42 | 2 24 | 23 45 | 0 20 | 7 32 | 1 11 | 4 11 | 16 31 | 3 1 | 2 45 | 15 6 | 11 43 | 0 7 |
| F 8 | 23 23 | 17 48 | 4 58 | 25 34 | 2 5 | 20 43 | 0 44 | 24 23 | 0 55 | 3 21 | 1 17 | 5 43 | 2 25 | 23 45 | 0 20 | 7 32 | 1 11 | 4 11 | 16 31 | 2 56 | 2 44 | 15 5 | 11 45 | 0 7 |
| S 9 | 23 25 | 16 18 | 4 44 | 25 34 | 2 6 | 20 58 | 0 42 | 24 21 | 0 56 | 3 20 | 1 17 | 5 45 | 2 25 | 23 45 | 0 20 | 7 31 | 1 11 | 4 11 | 16 31 | 2 50 | 2 42 | 15 4 | 11 47 | 0 8 |
| S 10 | 23 28 | 14 7 | 4 17 | 25 32 | 2 8 | 21 13 | 0 40 | 24 20 | 0 56 | 3 18 | 1 17 | 5 46 | 2 25 | 23 45 | 0 20 | 7 31 | 1 11 | 4 11 | 16 31 | 2 46 | 2 41 | 15 3 | 11 49 | 0 8 |
| M11 | 23 29 | 11 22 | 3 40 | 25 28 | 2 9 | 21 26 | 0 37 | 24 18 | 0 56 | 3 17 | 1 17 | 5 47 | 2 25 | 23 45 | 0 20 | 7 31 | 1 11 | 4 11 | 16 30 | 2 43 | 2 40 | 15 2 | 11 51 | 0 8 |
| T 12 | 23 30 | 8 9 | 2 53 | 25 23 | 2 10 | 21 39 | 0 35 | 24 16 | 0 57 | 3 16 | 1 18 | 5 49 | 2 26 | 23 45 | 0 20 | 7 30 | 1 11 | 4 11 | 16 30 | 2 41 | 2 38 | 15 1 | 11 52 | 0 9 |
| W13 | 23 31 | 4 35 | 1 58 | 25 16 | 2 10 | 21 52 | 0 32 | 24 13 | 0 57 | 3 14 | 1 18 | 5 50 | 2 26 | 23 45 | 0 20 | 7 30 | 1 11 | 4 11 | 16 30 | 2 40 | 2 37 | 15 0 | 11 54 | 0 9 |
| T 14 | 23 31 | 0 46 | 0 57 | 25 8 | 2 10 | 22 3 | 0 30 | 24 11 | 0 57 | 3 13 | 1 18 | 5 51 | 2 26 | 23 46 | 0 20 | 7 30 | 1 11 | 4 11 | 16 29 | 2 39 | 2 36 | 14 58 | 11 56 | 0 9 |
| F 15 | 23 31 | 3n10 | 0s 8 | 24 58 | 2 9 | 22 14 | 0 28 | 24 8 | 0 58 | 3 12 | 1 19 | 5 53 | 2 26 | 23 46 | 0 20 | 7 29 | 1 11 | 4 10 | 16 29 | 2 39 | 2 35 | 14 57 | 11 58 | 0 10 |
| S 16 | 23 30 | 7 3 | 1 15 | 24 46 | 2 8 | 22 25 | 0 25 | 24 4 | 0 58 | 3 11 | 1 19 | 5 54 | 2 26 | 23 46 | 0 20 | 7 29 | 1 11 | 4 10 | 16 29 | 2 39 | 2 33 | 14 56 | 11 59 | 0 10 |
| S 17 | 23 29 | 10 45 | 2 20 | 24 33 | 2 6 | 22 34 | 0 23 | 24 1 | 0 58 | 3 10 | 1 19 | 5 55 | 2 27 | 23 46 | 0 20 | 7 28 | 1 11 | 4 10 | 16 28 | 2 38 | 2 32 | 14 55 | 12 1 | 0 10 |
| M18 | 23 27 | 14 0 | 3 19 | 24 18 | 2 3 | 22 44 | 0 20 | 23 57 | 0 59 | 3 9 | 1 19 | 5 56 | 2 27 | 23 46 | 0 20 | 7 28 | 1 11 | 4 10 | 16 28 | 2 36 | 2 31 | 14 54 | 12 3 | 0 10 |
| T 19 | 23 25 | 16 34 | 4 8 | 24 1 | 2 0 | 22 52 | 0 18 | 23 53 | 0 59 | 3 8 | 1 20 | 5 57 | 2 27 | 23 46 | 0 20 | 7 28 | 1 11 | 4 10 | 16 28 | 2 33 | 2 30 | 14 53 | 12 4 | 0 11 |
| W20 | 23 22 | 18 9 | 4 43 | 23 43 | 1 57 | 23 0 | 0 15 | 23 49 | 0 59 | 3 7 | 1 20 | 5 58 | 2 27 | 23 46 | 0 20 | 7 27 | 1 11 | 4 10 | 16 27 | 2 30 | 2 28 | 14 52 | 12 6 | 0 11 |
| T 21 | 23 19 | 18 31 | 4 59 | 23 23 | 1 52 | 23 7 | 0 13 | 23 44 | 0 59 | 3 7 | 1 20 | 5 59 | 2 28 | 23 46 | 0 20 | 7 27 | 1 11 | 4 9 | 16 27 | 2 25 | 2 27 | 14 50 | 12 7 | 0 11 |
| F 22 | 23 16 | 17 36 | 4 55 | 23 2 | 1 47 | 23 13 | 0 10 | 23 39 | 1 0 | 3 6 | 1 21 | 6 0 | 2 28 | 23 46 | 0 20 | 7 26 | 1 11 | 4 9 | 16 27 | 2 20 | 2 26 | 14 49 | 12 9 | 0 12 |
| S 23 | 23 12 | 15 25 | 4 30 | 22 39 | 1 41 | 23 18 | 0 8 | 23 34 | 1 0 | 3 5 | 1 21 | 6 1 | 2 28 | 23 46 | 0 20 | 7 26 | 1 11 | 4 9 | 16 26 | 2 16 | 2 25 | 14 48 | 12 10 | 0 12 |
| S 24 | 23 7 | 12 12 | 3 46 | 22 16 | 1 34 | 23 23 | 0 5 | 23 29 | 1 0 | 3 5 | 1 21 | 6 2 | 2 28 | 23 47 | 0 20 | 7 25 | 1 11 | 4 9 | 16 26 | 2 12 | 2 23 | 14 47 | 12 12 | 0 12 |
| M25 | 23 2 | 8 16 | 2 47 | 21 51 | 1 27 | 23 27 | 0 3 | 23 23 | 1 0 | 3 5 | 1 21 | 6 3 | 2 29 | 23 47 | 0 20 | 7 25 | 1 11 | 4 8 | 16 26 | 2 10 | 2 22 | 14 46 | 12 13 | 0 13 |
| T 26 | 22 57 | 3 56 | 1 39 | 21 25 | 1 18 | 23 31 | 0 0 | 23 17 | 1 1 | 3 4 | 1 22 | 6 4 | 2 29 | 23 47 | 0 20 | 7 24 | 1 11 | 4 8 | 16 25 | 2 9 | 2 21 | 14 45 | 12 14 | 0 13 |
| W27 | 22 51 | 0s30 | 0 27 | 20 58 | 1 9 | 23 33 | 0s 2 | 23 11 | 1 1 | 3 4 | 1 22 | 6 5 | 2 29 | 23 47 | 0 20 | 7 24 | 1 11 | 4 8 | 16 25 | 2 8 | 2 20 | 14 43 | 12 16 | 0 13 |
| T 28 | 22 44 | 4 46 | 0n44 | 20 31 | 0 58 | 23 35 | 0 5 | 23 4 | 1 1 | 3 4 | 1 22 | 6 6 | 2 29 | 23 47 | 0 20 | 7 23 | 1 11 | 4 8 | 16 25 | 2 8 | 2 18 | 14 42 | 12 17 | 0 14 |
| F 29 | 22 38 | 8 41 | 1 52 | 20 3 | 0 47 | 23 37 | 0 7 | 22 57 | 1 1 | 3 4 | 1 23 | 6 6 | 2 30 | 23 47 | 0 20 | 7 23 | 1 11 | 4 7 | 16 24 | 2 8 | 2 17 | 14 41 | 12 18 | 0 14 |
| S 30 | 22 30 | 12 6 | 2 51 | 19 35 | 0 34 | 23 37 | 0 10 | 22 50 | 1 2 | 3 4 | 1 23 | 6 7 | 2 30 | 23 47 | 0 20 | 7 22 | 1 11 | 4 7 | 16 24 | 2 7 | 2 16 | 14 40 | 12 19 | 0 14 |
| S 31 | 22s23 | 14s52 | 3n42 | 19s 7 | 0s21 | 23s37 | 0s12 | 22s43 | 1s 2 | 3n 4 | 1n23 | 6s 8 | 2n30 | 23n47 | 0n20 | 7s21 | 1s11 | 4s 7 | 16s24 | 2s 6 | 2s15 | 14s39 | 12s21 | 0n15 |

Julian Day Number = 2219227.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'04, Lahiri = 14°59'05 Julian Calendar 1 Dec. 1363 == Greg. Calendar 9 Dec. 1363


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## JANUARY 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 11 37 | 18♉27'01 | 4♐52 | 7♒ 5 | 6♉33 | 22♉53 | 25♍31 | 21♎39 | 4°R 1 | 14♓ 8 | 29°R15 | 5°R 8 | 5♎34 | 5♒30 | 3♏ 8 | M 1 |
| T 2 | 7 15 34 | 19°28'08 | 17° 6 | 7°50 | 7°48 | 23°40 | 25°R31 | 21°41 | 3♋59 | 14°10 | 29♈14 | 4♎57 | 5°31 | 5°37 | 3°12 | T 2 |
| W 3 | 7 19 30 | 20°29'14 | 29°13 | 8°25 | 9° 4 | 24°27 | 25°31 | 21°43 | 3°56 | 14°11 | 29°14 | 4°44 | 5°28 | 5°44 | 3°16 | W 3 |
| T 4 | 7 23 27 | 21°30'20 | 11♉14 | 8°52 | 10°19 | 25°14 | 25°31 | 21°45 | 3°54 | 14°13 | 29°14 | 4°30 | 5°25 | 5°51 | 3°20 | T 4 |
| F 5 | 7 27 23 | 22°31'25 | 23°11 | 9° 7 | 11°34 | 26° 2 | 25°30 | 21°47 | 3°51 | 14°14 | 29°D14 | 4°16 | 5°22 | 5°57 | 3°24 | F 5 |
| S 6 | 7 31 20 | 23°32'30 | 5♒ 3 | 9°R12 | 12°50 | 26°49 | 25°30 | 21°49 | 3°49 | 14°16 | 29°14 | 4° 3 | 5°19 | 6° 4 | 3°28 | S 6 |
| S 7 | 7 35 16 | 24°33'33 | 16°53 | 9° 6 | 14° 5 | 27°36 | 25°29 | 21°51 | 3°46 | 14°17 | 29°14 | 3°52 | 5°15 | 6°11 | 3°32 | S 7 |
| M 8 | 7 39 13 | 25°34'35 | 28°42 | 8°48 | 15°20 | 28°23 | 25°28 | 21°52 | 3°44 | 14°19 | 29°14 | 3°43 | 5°12 | 6°17 | 3°35 | M 8 |
| T 9 | 7 43 9 | 26°35'37 | 10♓34 | 8°18 | 16°36 | 29°10 | 25°27 | 21°54 | 3°42 | 14°21 | 29°14 | 3°38 | 5° 9 | 6°24 | 3°39 | T 9 |
| W10 | 7 47 6 | 27°36'37 | 22°31 | 7°38 | 17°51 | 29°58 | 25°25 | 21°55 | 3°39 | 14°22 | 29°15 | 3°35 | 5° 6 | 6°31 | 3°42 | W10 |
| T 11 | 7 51 3 | 28°37'36 | 4♈36 | 6°48 | 19° 6 | 0♒45 | 25°24 | 21°56 | 3°37 | 14°24 | 29°15 | 3°D34 | 5° 3 | 6°37 | 3°45 | T 11 |
| F 12 | 7 54 59 | 29°38'34 | 16°56 | 5°49 | 20°21 | 1°32 | 25°22 | 21°58 | 3°35 | 14°26 | 29°15 | 3°35 | 4°59 | 6°44 | 3°49 | F 12 |
| S 13 | 7 58 56 | 0♒39'31 | 29°34 | 4°44 | 21°37 | 2°19 | 25°20 | 21°59 | 3°33 | 14°28 | 29°15 | 3°R35 | 4°56 | 6°51 | 3°52 | S 13 |
| S 14 | 8 2 52 | 1°40'26 | 12♉36 | 3°33 | 22°52 | 3° 7 | 25°18 | 22° 0 | 3°30 | 14°29 | 29°15 | 3°35 | 4°53 | 6°58 | 3°55 | S 14 |
| M15 | 8 6 49 | 2°41'20 | 26° 5 | 2°19 | 24° 7 | 3°54 | 25°16 | 22° 1 | 3°28 | 14°31 | 29°15 | 3°32 | 4°50 | 7° 4 | 3°57 | M15 |
| T 16 | 8 10 45 | 3°42'13 | 10♊ 4 | 1° 5 | 25°22 | 4°41 | 25°13 | 22° 1 | 3°26 | 14°33 | 29°16 | 3°27 | 4°47 | 7°11 | 4° 0 | T 16 |
| W17 | 8 14 42 | 4°43'04 | 24°33 | 29♉53 | 26°38 | 5°29 | 25°10 | 22° 2 | 3°24 | 14°35 | 29°16 | 3°20 | 4°44 | 7°18 | 4° 3 | W17 |
| T 18 | 8 18 38 | 5°43'54 | 9♋27 | 28°43 | 27°53 | 6°16 | 25° 7 | 22° 3 | 3°22 | 14°37 | 29°16 | 3°12 | 4°40 | 7°24 | 4° 5 | T 18 |
| F 19 | 8 22 35 | 6°44'43 | 24°40 | 27°39 | 29° 8 | 7° 3 | 25° 4 | 22° 3 | 3°20 | 14°38 | 29°16 | 3° 3 | 4°37 | 7°31 | 4° 8 | F 19 |
| S 20 | 8 26 32 | 7°45'30 | 10♌ 1 | 26°40 | 0♒23 | 7°51 | 25° 1 | 22° 3 | 3°18 | 14°40 | 29°17 | 2°54 | 4°34 | 7°38 | 4°10 | S 20 |
| S 21 | 8 30 28 | 8°46'16 | 25°18 | 25°49 | 1°39 | 8°38 | 24°58 | 22° 4 | 3°16 | 14°42 | 29°17 | 2°48 | 4°31 | 7°44 | 4°12 | S 21 |
| M22 | 8 34 25 | 9°47'01 | 10♍21 | 25° 6 | 2°54 | 9°25 | 24°54 | 22° 4 | 3°14 | 14°44 | 29°17 | 2°43 | 4°28 | 7°51 | 4°14 | M22 |
| T 23 | 8 38 21 | 10°47'44 | 25° 2 | 24°30 | 4° 9 | 10°13 | 24°50 | 22°R 4 | 3°12 | 14°46 | 29°18 | 2°41 | 4°25 | 7°58 | 4°16 | T 23 |
| W24 | 8 42 18 | 11°48'27 | 9♎16 | 24° 3 | 5°24 | 11° 0 | 24°46 | 22° 4 | 3°10 | 14°48 | 29°18 | 2°D41 | 4°21 | 8° 5 | 4°18 | W24 |
| T 25 | 8 46 14 | 12°49'08 | 23° 1 | 23°44 | 6°39 | 11°47 | 24°42 | 22° 4 | 3° 8 | 14°50 | 29°19 | 2°42 | 4°18 | 8°11 | 4°20 | T 25 |
| F 26 | 8 50 11 | 13°49'48 | 6♏20 | 23°33 | 7°54 | 12°35 | 24°38 | 22° 3 | 3° 6 | 14°52 | 29°19 | 2°43 | 4°15 | 8°18 | 4°21 | F 26 |
| S 27 | 8 54 7 | 14°50'27 | 19°16 | 23°D30 | 9°10 | 13°22 | 24°34 | 22° 3 | 3° 5 | 14°54 | 29°19 | 2°R43 | 4°12 | 8°25 | 4°23 | S 27 |
| S 28 | 8 58 4 | 15°51'05 | 1♐51 | 23°33 | 10°25 | 14°10 | 24°29 | 22° 3 | 3° 3 | 14°56 | 29°20 | 2°42 | 4° 9 | 8°31 | 4°24 | S 28 |
| M29 | 9 2 1 | 16°51'42 | 14°10 | 23°43 | 11°40 | 14°57 | 24°24 | 22° 2 | 3° 1 | 14°58 | 29°20 | 2°38 | 4° 5 | 8°38 | 4°25 | M29 |
| T 30 | 9 5 57 | 17°52'18 | 26°18 | 24° 0 | 12°55 | 15°44 | 24°19 | 22° 1 | 3° 0 | 15° 0 | 29°21 | 2°33 | 4° 2 | 8°45 | 4°26 | T 30 |
| W31 | 9 9 54 | 18♒52'52 | 8♉17 | 24♉23 | 14♒10 | 16♒32 | 24♍14 | 22♎ 0 | 2♋58 | 15♓ 2 | 29♈22 | 2♎25 | 3♎59 | 8♒51 | 4♏27 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ☊ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s15 | 16s55 | 4n20 | 18s40 | 0s 6 | 23s36 | 0s15 | 22s35 | 1s 2 | 3n 4 | 1n23 | 6s 8 | 2n30 | 23n47 | 0n20 | 7s21 | 1s11 | 4s 7 | 16s23 | 2s 3 | 2s13 | 14s38 | 12s22 | 0n15 |
| T 2 | 22 6 | 18 8 | 4 46 | 18 14 | 0n 9 | 23 34 | 0 17 | 22 27 | 1 2 | 3 4 | 1 24 | 6 9 | 2 31 | 23 47 | 0 20 | 7 20 | 1 11 | 4 6 | 16 23 | 1 58 | 2 12 | 14 36 | 12 23 | 0 15 |
| W 3 | 21 57 | 18 32 | 4 59 | 17 49 | 0 25 | 23 32 | 0 19 | 22 19 | 1 2 | 3 4 | 1 24 | 6 9 | 2 31 | 23 47 | 0 20 | 7 20 | 1 11 | 4 6 | 16 22 | 1 53 | 2 11 | 14 35 | 12 24 | 0 16 |
| T 4 | 21 48 | 18 5 | 4 59 | 17 26 | 0 42 | 23 29 | 0 22 | 22 11 | 1 3 | 3 5 | 1 24 | 6 10 | 2 31 | 23 47 | 0 20 | 7 19 | 1 10 | 4 6 | 16 22 | 1 48 | 2 9 | 14 34 | 12 25 | 0 16 |
| F 5 | 21 38 | 16 51 | 4 45 | 17 4 | 1 0 | 23 25 | 0 24 | 22 2 | 1 3 | 3 5 | 1 25 | 6 10 | 2 32 | 23 48 | 0 20 | 7 18 | 1 10 | 4 5 | 16 22 | 1 42 | 2 8 | 14 33 | 12 26 | 0 16 |
| S 6 | 21 28 | 14 53 | 4 19 | 16 46 | 1 18 | 23 20 | 0 26 | 21 54 | 1 3 | 3 6 | 1 25 | 6 11 | 2 32 | 23 48 | 0 20 | 7 18 | 1 10 | 4 5 | 16 21 | 1 37 | 2 7 | 14 32 | 12 27 | 0 17 |
| S 7 | 21 17 | 12 19 | 3 41 | 16 30 | 1 36 | 23 15 | 0 29 | 21 44 | 1 3 | 3 6 | 1 25 | 6 11 | 2 32 | 23 48 | 0 20 | 7 17 | 1 10 | 4 5 | 16 21 | 1 32 | 2 6 | 14 31 | 12 28 | 0 17 |
| M 8 | 21 6 | 9 14 | 2 54 | 16 17 | 1 54 | 23 9 | 0 31 | 21 35 | 1 3 | 3 7 | 1 25 | 6 12 | 2 32 | 23 48 | 0 20 | 7 16 | 1 10 | 4 4 | 16 21 | 1 29 | 2 4 | 14 29 | 12 29 | 0 17 |
| T 9 | 20 54 | 5 47 | 1 59 | 16 7 | 2 12 | 23 2 | 0 33 | 21 25 | 1 3 | 3 8 | 1 26 | 6 12 | 2 33 | 23 48 | 0 20 | 7 16 | 1 10 | 4 4 | 16 20 | 1 27 | 2 3 | 14 28 | 12 30 | 0 18 |
| W10 | 20 43 | 2 5 | 0 59 | 16 1 | 2 29 | 22 55 | 0 35 | 21 16 | 1 4 | 3 8 | 1 26 | 6 12 | 2 33 | 23 48 | 0 20 | 7 15 | 1 10 | 4 4 | 16 20 | 1 26 | 2 2 | 14 27 | 12 31 | 0 18 |
| T 11 | 20 30 | 1n45 | 0s 6 | 15 59 | 2 45 | 22 46 | 0 38 | 21 6 | 1 4 | 3 9 | 1 26 | 6 12 | 2 33 | 23 48 | 0 20 | 7 14 | 1 10 | 4 3 | 16 20 | 1 26 | 2 1 | 14 26 | 12 31 | 0 18 |
| F 12 | 20 18 | 5 35 | 1 11 | 15 59 | 2 59 | 22 37 | 0 40 | 20 55 | 1 4 | 3 10 | 1 26 | 6 13 | 2 33 | 23 48 | 0 20 | 7 14 | 1 10 | 4 3 | 16 19 | 1 26 | 1 59 | 14 25 | 12 32 | 0 19 |
| S 13 | 20 5 | 9 16 | 2 14 | 16 3 | 3 12 | 22 28 | 0 42 | 20 45 | 1 4 | 3 11 | 1 27 | 6 13 | 2 34 | 23 48 | 0 20 | 7 13 | 1 10 | 4 2 | 16 19 | 1 26 | 1 58 | 14 23 | 12 33 | 0 19 |
| S 14 | 19 51 | 12 37 | 3 13 | 16 9 | 3 22 | 22 18 | 0 44 | 20 34 | 1 4 | 3 12 | 1 27 | 6 13 | 2 34 | 23 48 | 0 20 | 7 12 | 1 10 | 4 2 | 16 19 | 1 26 | 1 57 | 14 22 | 12 33 | 0 20 |
| M15 | 19 37 | 15 24 | 4 3 | 16 18 | 3 30 | 22 7 | 0 46 | 20 23 | 1 4 | 3 14 | 1 27 | 6 13 | 2 34 | 23 48 | 0 20 | 7 12 | 1 10 | 4 2 | 16 18 | 1 25 | 1 56 | 14 21 | 12 34 | 0 20 |
| T 16 | 19 23 | 17 25 | 4 40 | 16 28 | 3 36 | 21 55 | 0 48 | 20 12 | 1 4 | 3 15 | 1 28 | 6 13 | 2 34 | 23 48 | 0 20 | 7 11 | 1 10 | 4 1 | 16 18 | 1 23 | 1 54 | 14 20 | 12 35 | 0 20 |
| W17 | 19 9 | 18 23 | 5 1 | 16 40 | 3 39 | 21 43 | 0 50 | 20 0 | 1 4 | 3 16 | 1 28 | 6 13 | 2 35 | 23 48 | 0 20 | 7 10 | 1 10 | 4 1 | 16 18 | 1 20 | 1 53 | 14 19 | 12 35 | 0 21 |
| T 18 | 18 54 | 18 8 | 5 3 | 16 54 | 3 40 | 21 30 | 0 52 | 19 49 | 1 4 | 3 17 | 1 28 | 6 13 | 2 35 | 23 48 | 0 20 | 7 10 | 1 10 | 4 0 | 16 17 | 1 17 | 1 52 | 14 17 | 12 36 | 0 21 |
| F 19 | 18 39 | 16 36 | 4 44 | 17 8 | 3 38 | 21 16 | 0 54 | 19 37 | 1 5 | 3 19 | 1 28 | 6 13 | 2 35 | 23 48 | 0 20 | 7 9 | 1 10 | 4 0 | 16 17 | 1 13 | 1 51 | 14 16 | 12 36 | 0 21 |
| S 20 | 18 23 | 13 53 | 4 4 | 17 23 | 3 35 | 21 2 | 0 56 | 19 24 | 1 5 | 3 20 | 1 29 | 6 13 | 2 36 | 23 48 | 0 20 | 7 8 | 1 10 | 3 59 | 16 16 | 1 10 | 1 49 | 14 15 | 12 37 | 0 22 |
| S 21 | 18 8 | 10 12 | 3 7 | 17 37 | 3 29 | 20 47 | 0 57 | 19 12 | 1 5 | 3 22 | 1 29 | 6 13 | 2 36 | 23 49 | 0 20 | 7 7 | 1 10 | 3 59 | 16 16 | 1 7 | 1 48 | 14 14 | 12 37 | 0 22 |
| M22 | 17 51 | 5 54 | 1 57 | 17 52 | 3 22 | 20 32 | 0 59 | 19 0 | 1 5 | 3 24 | 1 29 | 6 12 | 2 36 | 23 49 | 0 20 | 7 6 | 1 10 | 3 59 | 16 16 | 1 5 | 1 47 | 14 13 | 12 37 | 0 22 |
| T 23 | 17 35 | 1 21 | 0 41 | 18 7 | 3 14 | 20 16 | 1 1 | 18 47 | 1 5 | 3 25 | 1 29 | 6 12 | 2 36 | 23 49 | 0 20 | 7 6 | 1 10 | 3 58 | 16 15 | 1 4 | 1 45 | 14 11 | 12 38 | 0 23 |
| W24 | 17 18 | 3s 8 | 0n35 | 18 21 | 3 5 | 19 59 | 1 2 | 18 34 | 1 5 | 3 27 | 1 30 | 6 12 | 2 37 | 23 49 | 0 20 | 7 5 | 1 10 | 3 58 | 16 15 | 1 4 | 1 44 | 14 10 | 12 38 | 0 23 |
| T 25 | 17 1 | 7 19 | 1 47 | 18 34 | 2 54 | 19 42 | 1 4 | 18 21 | 1 5 | 3 29 | 1 30 | 6 12 | 2 37 | 23 49 | 0 20 | 7 4 | 1 10 | 3 57 | 16 15 | 1 5 | 1 43 | 14 9 | 12 38 | 0 23 |
| F 26 | 16 44 | 10 59 | 2 51 | 18 47 | 2 43 | 19 24 | 1 6 | 18 7 | 1 5 | 3 31 | 1 30 | 6 11 | 2 37 | 23 49 | 0 20 | 7 3 | 1 10 | 3 57 | 16 14 | 1 5 | 1 42 | 14 8 | 12 38 | 0 24 |
| S 27 | 16 26 | 14 0 | 3 44 | 18 59 | 2 32 | 19 6 | 1 7 | 17 54 | 1 5 | 3 33 | 1 30 | 6 11 | 2 37 | 23 49 | 0 20 | 7 3 | 1 10 | 3 56 | 16 14 | 1 5 | 1 40 | 14 6 | 12 39 | 0 24 |
| S 28 | 16 8 | 16 16 | 4 25 | 19 10 | 2 20 | 18 47 | 1 8 | 17 40 | 1 5 | 3 35 | 1 31 | 6 10 | 2 38 | 23 49 | 0 20 | 7 2 | 1 10 | 3 56 | 16 14 | 1 5 | 1 39 | 14 5 | 12 39 | 0 25 |
| M29 | 15 50 | 17 44 | 4 53 | 19 20 | 2 8 | 18 28 | 1 10 | 17 26 | 1 5 | 3 37 | 1 31 | 6 10 | 2 38 | 23 49 | 0 20 | 7 1 | 1 10 | 3 55 | 16 13 | 1 3 | 1 38 | 14 4 | 12 39 | 0 25 |
| T 30 | 15 32 | 18 22 | 5 7 | 19 29 | 1 56 | 18 8 | 1 11 | 17 12 | 1 5 | 3 39 | 1 31 | 6 9 | 2 38 | 23 49 | 0 20 | 7 0 | 1 10 | 3 55 | 16 13 | 1 1 | 1 37 | 14 3 | 12 39 | 0 25 |
| W31 | 15s13 | 18s 9 | 5n 7 | 19s37 | 1n43 | 17s47 | 1s13 | 16s58 | 1s 5 | 3n42 | 1n31 | 6s 9 | 2n39 | 23n49 | 0n20 | 6s59 | 1s10 | 3s54 | 16s13 | 0s58 | 1s35 | 14s 2 | 12s39 | 0n26 |

Julian Day Number = 2219258.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'08, Lahiri = 14°59'09 Julian Calendar 1 Jan. 1364 == Greg. Calendar 9 Jan. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## FEBRUARY 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 13 50 | 19♒53'25 | 20♉11 | 24♉50 | 15♒25 | 17♒19 | 24°R 9 | 22°R 0 | 2°R57 | 15♓ 4 | 29♈22 | 2°R17 | 3♎56 | 8♒58 | 4♏28 | T 1 |
| F 2 | 9 17 47 | 20°53'56 | 2♒ 2 | 25°23 | 16°40 | 18° 7 | 24♍ 4 | 21♎59 | 2♋55 | 15° 7 | 29°23 | 2♎ 8 | 3°53 | 9° 5 | 4°29 | F 2 |
| S 3 | 9 21 43 | 21°54'26 | 13°53 | 26° 1 | 17°55 | 18°54 | 23°58 | 21°58 | 2°54 | 15° 9 | 29°23 | 2° 1 | 3°50 | 9°12 | 4°30 | S 3 |
| S 4 | 9 25 40 | 22°54'54 | 25°44 | 26°42 | 19°11 | 19°42 | 23°52 | 21°56 | 2°52 | 15°11 | 29°24 | 1°54 | 3°46 | 9°18 | 4°30 | S 4 |
| M 5 | 9 29 36 | 23°55'20 | 7♓37 | 27°28 | 20°26 | 20°29 | 23°47 | 21°55 | 2°51 | 15°13 | 29°25 | 1°49 | 3°43 | 9°25 | 4°31 | M 5 |
| T 6 | 9 33 33 | 24°55'45 | 19°35 | 28°17 | 21°41 | 21°16 | 23°41 | 21°54 | 2°49 | 15°15 | 29°25 | 1°47 | 3°40 | 9°32 | 4°31 | T 6 |
| W 7 | 9 37 30 | 25°56'07 | 1♈39 | 29°10 | 22°56 | 22° 4 | 23°35 | 21°52 | 2°48 | 15°17 | 29°26 | 1°D46 | 3°37 | 9°38 | 4°31 | W 7 |
| T 8 | 9 41 26 | 26°56'28 | 13°53 | 0♒ 6 | 24°11 | 22°51 | 23°28 | 21°51 | 2°47 | 15°19 | 29°27 | 1°46 | 3°34 | 9°45 | 4°R31 | T 8 |
| F 9 | 9 45 23 | 27°56'47 | 26°18 | 1° 4 | 25°26 | 23°38 | 23°22 | 21°49 | 2°46 | 15°22 | 29°27 | 1°48 | 3°30 | 9°52 | 4°31 | F 9 |
| S 10 | 9 49 19 | 28°57'04 | 9♉ 0 | 2° 5 | 26°41 | 24°26 | 23°16 | 21°47 | 2°45 | 15°24 | 29°28 | 1°50 | 3°27 | 9°58 | 4°31 | S 10 |
| S 11 | 9 53 16 | 29°57'19 | 22° 0 | 3° 9 | 27°56 | 25°13 | 23° 9 | 21°45 | 2°44 | 15°26 | 29°29 | 1°51 | 3°24 | 10° 5 | 4°31 | S 11 |
| M12 | 9 57 12 | 0♓57'32 | 5♊23 | 4°15 | 29°11 | 26° 0 | 23° 2 | 21°43 | 2°43 | 15°28 | 29°30 | 1°R51 | 3°21 | 10°12 | 4°31 | M12 |
| T 13 | 10 1 9 | 1°57'43 | 19°11 | 5°24 | 0♓26 | 26°48 | 22°56 | 21°41 | 2°42 | 15°30 | 29°30 | 1°50 | 3°18 | 10°18 | 4°30 | T 13 |
| W14 | 10 5 5 | 2°57'52 | 3♋25 | 6°34 | 1°41 | 27°35 | 22°49 | 21°39 | 2°41 | 15°33 | 29°31 | 1°47 | 3°15 | 10°25 | 4°30 | W14 |
| T 15 | 10 9 2 | 3°57'58 | 18° 1 | 7°46 | 2°55 | 28°22 | 22°42 | 21°37 | 2°40 | 15°35 | 29°32 | 1°44 | 3°11 | 10°32 | 4°29 | T 15 |
| F 16 | 10 12 59 | 4°58'03 | 2♌57 | 9° 0 | 4°10 | 29°10 | 22°35 | 21°34 | 2°39 | 15°37 | 29°33 | 1°40 | 3° 8 | 10°39 | 4°28 | F 16 |
| S 17 | 10 16 55 | 5°58'05 | 18° 5 | 10°16 | 5°25 | 29°57 | 22°28 | 21°32 | 2°38 | 15°39 | 29°34 | 1°37 | 3° 5 | 10°45 | 4°27 | S 17 |
| S 18 | 10 20 52 | 6°58'05 | 3♍14 | 11°34 | 6°40 | 0♓44 | 22°20 | 21°29 | 2°37 | 15°42 | 29°35 | 1°34 | 3° 2 | 10°52 | 4°26 | S 18 |
| M19 | 10 24 48 | 7°58'04 | 18°16 | 12°53 | 7°55 | 1°32 | 22°13 | 21°27 | 2°37 | 15°44 | 29°36 | 1°32 | 2°59 | 10°59 | 4°25 | M19 |
| T 20 | 10 28 45 | 8°58'00 | 3♎ 2 | 14°14 | 9°10 | 2°19 | 22° 6 | 21°24 | 2°36 | 15°46 | 29°36 | 1°D32 | 2°56 | 11° 5 | 4°24 | T 20 |
| W21 | 10 32 41 | 9°57'55 | 17°25 | 15°36 | 10°25 | 3° 6 | 21°58 | 21°21 | 2°35 | 15°48 | 29°37 | 1°32 | 2°52 | 11°12 | 4°22 | W21 |
| T 22 | 10 36 38 | 10°57'47 | 1♏21 | 17° 0 | 11°39 | 3°53 | 21°51 | 21°18 | 2°35 | 15°51 | 29°38 | 1°33 | 2°49 | 11°19 | 4°21 | T 22 |
| F 23 | 10 40 34 | 11°57'39 | 14°50 | 18°25 | 12°54 | 4°40 | 21°43 | 21°15 | 2°34 | 15°53 | 29°39 | 1°35 | 2°46 | 11°25 | 4°19 | F 23 |
| S 24 | 10 44 31 | 12°57'28 | 27°54 | 19°51 | 14° 9 | 5°28 | 21°36 | 21°12 | 2°34 | 15°55 | 29°40 | 1°36 | 2°43 | 11°32 | 4°18 | S 24 |
| S 25 | 10 48 28 | 13°57'16 | 10♐34 | 21°19 | 15°24 | 6°15 | 21°28 | 21° 9 | 2°34 | 15°57 | 29°41 | 1°R37 | 2°40 | 11°39 | 4°16 | S 25 |
| M26 | 10 52 24 | 14°57'02 | 22°56 | 22°48 | 16°38 | 7° 2 | 21°21 | 21° 6 | 2°33 | 16° 0 | 29°42 | 1°37 | 2°36 | 11°46 | 4°14 | M26 |
| T 27 | 10 56 21 | 15°56'46 | 5♑ 4 | 24°19 | 17°53 | 7°49 | 21°13 | 21° 3 | 2°33 | 16° 2 | 29°43 | 1°36 | 2°33 | 11°52 | 4°12 | T 27 |
| W28 | 11 0 17 | 16°56'29 | 17° 1 | 25°50 | 19° 8 | 8°36 | 21° 5 | 21° 0 | 2°33 | 16° 4 | 29°44 | 1°34 | 2°30 | 11°59 | 4°10 | W28 |
| T 29 | 11 4 14 | 17♓56'09 | 28♑53 | 27♒24 | 20♓23 | 9♓23 | 20♍57 | 20♎56 | 2♋33 | 16♓ 7 | 29♈45 | 1♎32 | 2♎27 | 12♒ 6 | 4♏ 8 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s54 | 17s 9 | 4n54 | 19s44 | 1n31 | 17s26 | 1s14 | 16s44 | 1s 5 | 3n44 | 1n32 | 6s 8 | 2n39 | 23n49 | 0n20 | 6s59 | 1s10 | 3s54 | 16s12 | 0s55 | 1s34 | 14s 0 | 12s39 | 0n26 |
| F 2 | 14 35 | 15 25 | 4 28 | 19 50 | 1 19 | 17 5 | 1 15 | 16 29 | 1 5 | 3 46 | 1 32 | 6 8 | 2 39 | 23 49 | 0 20 | 6 58 | 1 10 | 3 53 | 16 12 | 0 51 | 1 33 | 13 59 | 12 39 | 0 26 |
| S 3 | 14 15 | 13 2 | 3 51 | 19 55 | 1 7 | 16 43 | 1 16 | 16 14 | 1 5 | 3 49 | 1 32 | 6 7 | 2 39 | 23 49 | 0 20 | 6 57 | 1 10 | 3 53 | 16 12 | 0 48 | 1 32 | 13 58 | 12 39 | 0 27 |
| S 4 | 13 55 | 10 7 | 3 3 | 19 58 | 0 56 | 16 21 | 1 17 | 15 59 | 1 5 | 3 51 | 1 32 | 6 6 | 2 40 | 23 49 | 0 20 | 6 56 | 1 10 | 3 52 | 16 11 | 0 46 | 1 30 | 13 57 | 12 38 | 0 27 |
| M 5 | 13 35 | 6 46 | 2 8 | 20 1 | 0 44 | 15 58 | 1 18 | 15 44 | 1 5 | 3 54 | 1 32 | 6 6 | 2 40 | 23 49 | 0 20 | 6 55 | 1 10 | 3 52 | 16 11 | 0 44 | 1 29 | 13 55 | 12 38 | 0 28 |
| T 6 | 13 15 | 3 8 | 1 6 | 20 2 | 0 33 | 15 34 | 1 19 | 15 29 | 1 5 | 3 56 | 1 33 | 6 5 | 2 40 | 23 49 | 0 20 | 6 54 | 1 10 | 3 51 | 16 11 | 0 43 | 1 28 | 13 54 | 12 38 | 0 28 |
| W 7 | 12 55 | 0n40 | 0 1 | 20 2 | 0 22 | 15 11 | 1 20 | 15 13 | 1 5 | 3 59 | 1 33 | 6 4 | 2 40 | 23 49 | 0 20 | 6 54 | 1 10 | 3 51 | 16 10 | 0 42 | 1 26 | 13 53 | 12 38 | 0 28 |
| T 8 | 12 34 | 4 29 | 1s 6 | 20 0 | 0 12 | 14 47 | 1 21 | 14 58 | 1 5 | 4 1 | 1 33 | 6 3 | 2 41 | 23 49 | 0 20 | 6 53 | 1 10 | 3 50 | 16 10 | 0 42 | 1 25 | 13 52 | 12 37 | 0 29 |
| F 9 | 12 14 | 8 10 | 2 10 | 19 58 | 0 1 | 14 22 | 1 22 | 14 42 | 1 5 | 4 4 | 1 33 | 6 3 | 2 41 | 23 49 | 0 20 | 6 52 | 1 10 | 3 50 | 16 10 | 0 43 | 1 24 | 13 50 | 12 37 | 0 29 |
| S 10 | 11 53 | 11 33 | 3 10 | 19 54 | 0s 8 | 13 57 | 1 22 | 14 26 | 1 5 | 4 7 | 1 33 | 6 2 | 2 41 | 23 49 | 0 20 | 6 51 | 1 10 | 3 49 | 16 9 | 0 44 | 1 23 | 13 49 | 12 37 | 0 29 |
| S 11 | 11 32 | 14 27 | 4 1 | 19 49 | 0 18 | 13 32 | 1 23 | 14 10 | 1 4 | 4 9 | 1 33 | 6 1 | 2 41 | 23 49 | 0 20 | 6 50 | 1 10 | 3 49 | 16 9 | 0 44 | 1 21 | 13 48 | 12 36 | 0 30 |
| M12 | 11 10 | 16 40 | 4 41 | 19 42 | 0 27 | 13 6 | 1 24 | 13 54 | 1 4 | 4 12 | 1 34 | 6 0 | 2 41 | 23 49 | 0 20 | 6 49 | 1 10 | 3 48 | 16 9 | 0 44 | 1 20 | 13 47 | 12 36 | 0 30 |
| T 13 | 10 49 | 18 0 | 5 6 | 19 34 | 0 36 | 12 40 | 1 24 | 13 38 | 1 4 | 4 15 | 1 34 | 5 59 | 2 42 | 23 49 | 0 20 | 6 48 | 1 10 | 3 48 | 16 9 | 0 44 | 1 19 | 13 45 | 12 35 | 0 31 |
| W14 | 10 27 | 18 15 | 5 13 | 19 25 | 0 45 | 12 14 | 1 25 | 13 21 | 1 4 | 4 18 | 1 34 | 5 58 | 2 42 | 23 49 | 0 20 | 6 48 | 1 10 | 3 47 | 16 8 | 0 43 | 1 18 | 13 44 | 12 35 | 0 31 |
| T 15 | 10 5 | 17 20 | 5 1 | 19 15 | 0 53 | 11 47 | 1 25 | 13 5 | 1 4 | 4 21 | 1 34 | 5 57 | 2 42 | 23 49 | 0 20 | 6 47 | 1 10 | 3 46 | 16 8 | 0 42 | 1 16 | 13 43 | 12 34 | 0 31 |
| F 16 | 9 43 | 15 13 | 4 28 | 19 3 | 1 1 | 11 20 | 1 25 | 12 48 | 1 4 | 4 24 | 1 34 | 5 56 | 2 42 | 23 49 | 0 20 | 6 46 | 1 10 | 3 46 | 16 8 | 0 40 | 1 15 | 13 42 | 12 33 | 0 32 |
| S 17 | 9 21 | 12 2 | 3 37 | 18 50 | 1 9 | 10 53 | 1 25 | 12 31 | 1 4 | 4 27 | 1 34 | 5 54 | 2 43 | 23 49 | 0 20 | 6 45 | 1 10 | 3 45 | 16 7 | 0 39 | 1 14 | 13 40 | 12 33 | 0 32 |
| S 18 | 8 59 | 8 2 | 2 29 | 18 35 | 1 16 | 10 25 | 1 26 | 12 14 | 1 4 | 4 30 | 1 35 | 5 53 | 2 43 | 23 49 | 0 20 | 6 44 | 1 10 | 3 45 | 16 7 | 0 37 | 1 13 | 13 39 | 12 32 | 0 33 |
| M19 | 8 37 | 3 33 | 1 12 | 18 19 | 1 22 | 9 57 | 1 26 | 11 57 | 1 4 | 4 33 | 1 35 | 5 52 | 2 43 | 23 49 | 0 20 | 6 43 | 1 10 | 3 44 | 16 7 | 0 37 | 1 11 | 13 38 | 12 31 | 0 33 |
| T 20 | 8 14 | 1s 5 | 0n 8 | 18 2 | 1 29 | 9 29 | 1 26 | 11 40 | 1 3 | 4 36 | 1 35 | 5 51 | 2 43 | 23 49 | 0 20 | 6 42 | 1 10 | 3 44 | 16 7 | 0 37 | 1 10 | 13 36 | 12 30 | 0 33 |
| W21 | 7 51 | 5 32 | 1 27 | 17 43 | 1 35 | 9 1 | 1 26 | 11 23 | 1 3 | 4 39 | 1 35 | 5 50 | 2 43 | 23 49 | 0 20 | 6 41 | 1 10 | 3 43 | 16 6 | 0 37 | 1 9 | 13 35 | 12 30 | 0 34 |
| T 22 | 7 29 | 9 31 | 2 37 | 17 23 | 1 40 | 8 32 | 1 26 | 11 6 | 1 3 | 4 42 | 1 35 | 5 48 | 2 44 | 23 49 | 0 20 | 6 41 | 1 10 | 3 42 | 16 6 | 0 37 | 1 7 | 13 34 | 12 29 | 0 34 |
| F 23 | 7 6 | 12 53 | 3 37 | 17 2 | 1 46 | 8 3 | 1 26 | 10 48 | 1 3 | 4 45 | 1 35 | 5 47 | 2 44 | 23 49 | 0 20 | 6 40 | 1 10 | 3 42 | 16 6 | 0 38 | 1 6 | 13 33 | 12 28 | 0 34 |
| S 24 | 6 43 | 15 29 | 4 23 | 16 39 | 1 51 | 7 34 | 1 26 | 10 31 | 1 3 | 4 48 | 1 35 | 5 46 | 2 44 | 23 49 | 0 20 | 6 39 | 1 10 | 3 41 | 16 5 | 0 38 | 1 5 | 13 31 | 12 27 | 0 35 |
| S 25 | 6 20 | 17 14 | 4 55 | 16 15 | 1 55 | 7 5 | 1 25 | 10 13 | 1 3 | 4 51 | 1 35 | 5 45 | 2 44 | 23 49 | 0 20 | 6 38 | 1 10 | 3 41 | 16 5 | 0 39 | 1 4 | 13 30 | 12 26 | 0 35 |
| M26 | 5 57 | 18 8 | 5 13 | 15 50 | 1 59 | 6 36 | 1 25 | 9 55 | 1 2 | 4 54 | 1 35 | 5 43 | 2 44 | 23 49 | 0 20 | 6 37 | 1 10 | 3 40 | 16 5 | 0 39 | 1 2 | 13 29 | 12 25 | 0 36 |
| T 27 | 5 34 | 18 10 | 5 16 | 15 23 | 2 3 | 6 6 | 1 25 | 9 38 | 1 2 | 4 57 | 1 35 | 5 42 | 2 45 | 23 49 | 0 20 | 6 36 | 1 10 | 3 40 | 16 5 | 0 38 | 1 1 | 13 27 | 12 24 | 0 36 |
| W28 | 5 10 | 17 23 | 5 5 | 14 55 | 2 6 | 5 36 | 1 24 | 9 20 | 1 2 | 5 0 | 1 35 | 5 40 | 2 45 | 23 49 | 0 20 | 6 35 | 1 10 | 3 39 | 16 4 | 0 38 | 1 0 | 13 26 | 12 23 | 0 36 |
| T 29 | 4s47 | 15s52 | 4n41 | 14s26 | 2s 9 | 5s 6 | 1s24 | 9s 2 | 1s 2 | 5n 4 | 1n36 | 5s39 | 2n45 | 23n49 | 0n20 | 6s34 | 1s10 | 3s38 | 16s 4 | 0s37 | 0s59 | 13s25 | 12s22 | 0n37 |

Julian Day Number = 2219289.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'13, Lahiri = 14°59'13 Julian Calendar 1 Feb. 1364 == Greg. Calendar 9 Feb. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## MARCH 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 8 10 | 18♓55'48 | 10♒42 | 28♒58 | 21♓37 | 10♓10 | 20°R50 | 20°R53 | 2°R33 | 16♓ 9 | 29♈46 | 1°R30 | 2♎24 | 12♒12 | 4°R 6 | F 1 |
| S 2 | 11 12 7 | 19°55'25 | 22°33 | 0♓34 | 22°52 | 10°57 | 20♍42 | 20♎49 | 2°D33 | 16°11 | 29°48 | 1♎28 | 2°21 | 12°19 | 4♏ 3 | S 2 |
| S 3 | 11 16 3 | 20°55'00 | 4♓27 | 2°10 | 24° 7 | 11°44 | 20°34 | 20°46 | 2♋33 | 16°13 | 29°49 | 1°27 | 2°17 | 12°26 | 4° 1 | S 3 |
| M 4 | 11 20 0 | 21°54'33 | 16°27 | 3°49 | 25°21 | 12°31 | 20°26 | 20°42 | 2°33 | 16°16 | 29°50 | 1°26 | 2°14 | 12°32 | 3°58 | M 4 |
| T 5 | 11 23 56 | 22°54'04 | 28°35 | 5°28 | 26°36 | 13°18 | 20°18 | 20°38 | 2°33 | 16°18 | 29°51 | 1°D25 | 2°11 | 12°39 | 3°56 | T 5 |
| W 6 | 11 27 53 | 23°53'33 | 10♈53 | 7° 9 | 27°51 | 14° 5 | 20°11 | 20°34 | 2°33 | 16°20 | 29°52 | 1°26 | 2° 8 | 12°46 | 3°53 | W 6 |
| T 7 | 11 31 50 | 24°53'00 | 23°22 | 8°51 | 29° 5 | 14°52 | 20° 3 | 20°31 | 2°33 | 16°22 | 29°53 | 1°26 | 2° 5 | 12°52 | 3°50 | T 7 |
| F 8 | 11 35 46 | 25°52'25 | 6♉ 3 | 10°34 | 0♈20 | 15°39 | 19°55 | 20°27 | 2°34 | 16°25 | 29°54 | 1°27 | 2° 1 | 12°59 | 3°47 | F 8 |
| S 9 | 11 39 43 | 26°51'47 | 18°58 | 12°19 | 1°34 | 16°26 | 19°48 | 20°23 | 2°34 | 16°27 | 29°55 | 1°27 | 1°58 | 13° 6 | 3°44 | S 9 |
| S 10 | 11 43 39 | 27°51'07 | 2♊ 9 | 14° 5 | 2°49 | 17°12 | 19°40 | 20°19 | 2°34 | 16°29 | 29°57 | 1°28 | 1°55 | 13°12 | 3°41 | S 10 |
| M11 | 11 47 36 | 28°50'25 | 15°36 | 15°53 | 4° 3 | 17°59 | 19°32 | 20°15 | 2°35 | 16°31 | 29°58 | 1°28 | 1°52 | 13°19 | 3°38 | M11 |
| T 12 | 11 51 32 | 29°49'40 | 29°21 | 17°41 | 5°18 | 18°46 | 19°25 | 20°10 | 2°35 | 16°34 | 29°59 | 1°R28 | 1°49 | 13°26 | 3°35 | T 12 |
| W13 | 11 55 29 | 0♈48'53 | 13♋23 | 19°32 | 6°32 | 19°33 | 19°17 | 20° 6 | 2°36 | 16°36 | 0♉ 0 | 1°28 | 1°46 | 13°33 | 3°31 | W13 |
| T 14 | 11 59 25 | 1°48'04 | 27°42 | 21°23 | 7°47 | 20°19 | 19°10 | 20° 2 | 2°36 | 16°38 | 0° 1 | 1°D28 | 1°42 | 13°39 | 3°28 | T 14 |
| F 15 | 12 3 22 | 2°47'12 | 12♌15 | 23°16 | 9° 1 | 21° 6 | 19° 2 | 19°58 | 2°37 | 16°40 | 0° 3 | 1°28 | 1°39 | 13°46 | 3°25 | F 15 |
| S 16 | 12 7 19 | 3°46'18 | 26°58 | 25°10 | 10°15 | 21°53 | 18°55 | 19°54 | 2°38 | 16°42 | 0° 4 | 1°28 | 1°36 | 13°53 | 3°21 | S 16 |
| S 17 | 12 11 15 | 4°45'22 | 11♍44 | 27° 6 | 11°30 | 22°39 | 18°48 | 19°49 | 2°38 | 16°45 | 0° 5 | 1°28 | 1°33 | 13°59 | 3°17 | S 17 |
| M18 | 12 15 12 | 5°44'23 | 26°27 | 29° 3 | 12°44 | 23°26 | 18°41 | 19°45 | 2°39 | 16°47 | 0° 6 | 1°R28 | 1°30 | 14° 6 | 3°14 | M18 |
| T 19 | 12 19 8 | 6°43'22 | 11♎ 1 | 1♈ 1 | 13°58 | 24°12 | 18°33 | 19°41 | 2°40 | 16°49 | 0° 8 | 1°28 | 1°27 | 14°13 | 3°10 | T 19 |
| W20 | 12 23 5 | 7°42'19 | 25°18 | 3° 1 | 15°13 | 24°59 | 18°26 | 19°36 | 2°41 | 16°51 | 0° 9 | 1°28 | 1°23 | 14°19 | 3° 6 | W20 |
| T 21 | 12 27 1 | 8°41'15 | 9♏14 | 5° 2 | 16°27 | 25°45 | 18°19 | 19°32 | 2°42 | 16°53 | 0°10 | 1°27 | 1°20 | 14°26 | 3° 2 | T 21 |
| F 22 | 12 30 58 | 9°40'08 | 22°47 | 7° 4 | 17°41 | 26°32 | 18°13 | 19°27 | 2°43 | 16°55 | 0°12 | 1°26 | 1°17 | 14°33 | 2°58 | F 22 |
| S 23 | 12 34 54 | 10°39'00 | 5♐56 | 9° 7 | 18°55 | 27°18 | 18° 6 | 19°23 | 2°44 | 16°58 | 0°13 | 1°25 | 1°14 | 14°39 | 2°54 | S 23 |
| S 24 | 12 38 51 | 11°37'50 | 18°42 | 11°11 | 20°10 | 28° 4 | 17°59 | 19°18 | 2°45 | 17° 0 | 0°14 | 1°24 | 1°11 | 14°46 | 2°50 | S 24 |
| M25 | 12 42 48 | 12°36'38 | 1♑ 8 | 13°16 | 21°24 | 28°51 | 17°53 | 19°14 | 2°46 | 17° 2 | 0°15 | 1°24 | 1° 7 | 14°53 | 2°46 | M25 |
| T 26 | 12 46 44 | 13°35'24 | 13°19 | 15°22 | 22°38 | 29°37 | 17°46 | 19° 9 | 2°48 | 17° 4 | 0°17 | 1°D23 | 1° 4 | 14°59 | 2°42 | T 26 |
| W27 | 12 50 41 | 14°34'09 | 25°17 | 17°28 | 23°52 | 0♈23 | 17°40 | 19° 5 | 2°49 | 17° 6 | 0°18 | 1°24 | 1° 1 | 15° 6 | 2°38 | W27 |
| T 28 | 12 54 37 | 15°32'52 | 7♒ 9 | 19°34 | 25° 6 | 1° 9 | 17°34 | 19° 0 | 2°50 | 17° 8 | 0°19 | 1°24 | 0°58 | 15°13 | 2°34 | T 28 |
| F 29 | 12 58 34 | 16°31'33 | 18°59 | 21°41 | 26°20 | 1°56 | 17°28 | 18°56 | 2°52 | 17°10 | 0°21 | 1°26 | 0°55 | 15°20 | 2°30 | F 29 |
| S 30 | 13 2 30 | 17°30'12 | 0♓51 | 23°47 | 27°34 | 2°42 | 17°22 | 18°51 | 2°53 | 17°12 | 0°22 | 1°27 | 0°52 | 15°26 | 2°25 | S 30 |
| S 31 | 13 6 27 | 18♈28'50 | 12♓49 | 25♈53 | 28♈48 | 3♈28 | 17♍16 | 18♎46 | 2♋55 | 17♓14 | 0♉23 | 1♎28 | 0♎48 | 15♒33 | 2♏21 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s24 | 13s40 | 4n 5 | 13s55 | 2s11 | 4s36 | 1s23 | 8s44 | 1s 2 | 5n 7 | 1n36 | 5s38 | 2n45 | 23n49 | 0n20 | 6s33 | 1s10 | 3s38 | 16s 4 | 0s36 | 0s57 | 13s24 | 12s21 | 0n37 |
| S 2 | 4 0 | 10 54 | 3 19 | 13 23 | 2 13 | 4 6 | 1 23 | 8 26 | 1 1 | 5 10 | 1 36 | 5 36 | 2 45 | 23 49 | 0 20 | 6 33 | 1 10 | 3 37 | 16 4 | 0 35 | 0 56 | 13 22 | 12 19 | 0 38 |
| S 3 | 3 37 | 7 40 | 2 24 | 12 50 | 2 14 | 3 36 | 1 22 | 8 8 | 1 1 | 5 13 | 1 36 | 5 35 | 2 45 | 23 49 | 0 20 | 6 32 | 1 10 | 3 37 | 16 4 | 0 35 | 0 55 | 13 21 | 12 18 | 0 38 |
| M 4 | 3 13 | 4 6 | 1 22 | 12 15 | 2 16 | 3 6 | 1 21 | 7 49 | 1 1 | 5 16 | 1 36 | 5 33 | 2 46 | 23 49 | 0 20 | 6 31 | 1 10 | 3 36 | 16 3 | 0 34 | 0 54 | 13 20 | 12 17 | 0 38 |
| T 5 | 2 50 | 0 19 | 0 16 | 11 39 | 2 16 | 2 35 | 1 20 | 7 31 | 1 1 | 5 19 | 1 36 | 5 31 | 2 46 | 23 49 | 0 20 | 6 30 | 1 10 | 3 36 | 16 3 | 0 34 | 0 52 | 13 18 | 12 16 | 0 39 |
| W 6 | 2 26 | 3n31 | 0s52 | 11 1 | 2 16 | 2 5 | 1 19 | 7 13 | 1 0 | 5 22 | 1 36 | 5 30 | 2 46 | 23 49 | 0 20 | 6 29 | 1 10 | 3 35 | 16 3 | 0 34 | 0 51 | 13 17 | 12 14 | 0 39 |
| T 7 | 2 2 | 7 16 | 1 59 | 10 23 | 2 16 | 1 34 | 1 19 | 6 54 | 1 0 | 5 25 | 1 36 | 5 28 | 2 46 | 23 49 | 0 20 | 6 28 | 1 10 | 3 34 | 16 3 | 0 34 | 0 50 | 13 16 | 12 13 | 0 40 |
| F 8 | 1 39 | 10 44 | 3 1 | 9 43 | 2 15 | 1 3 | 1 18 | 6 36 | 1 0 | 5 28 | 1 36 | 5 27 | 2 46 | 23 49 | 0 20 | 6 27 | 1 10 | 3 34 | 16 2 | 0 35 | 0 48 | 13 14 | 12 12 | 0 40 |
| S 9 | 1 15 | 13 45 | 3 55 | 9 1 | 2 14 | 0 33 | 1 17 | 6 17 | 1 0 | 5 31 | 1 36 | 5 25 | 2 46 | 23 49 | 0 20 | 6 27 | 1 10 | 3 33 | 16 2 | 0 35 | 0 47 | 13 13 | 12 10 | 0 40 |
| S 10 | 0 51 | 16 8 | 4 37 | 8 19 | 2 12 | 0 2 | 1 15 | 5 59 | 0 59 | 5 34 | 1 36 | 5 24 | 2 46 | 23 49 | 0 20 | 6 26 | 1 10 | 3 33 | 16 2 | 0 35 | 0 46 | 13 12 | 12 9 | 0 41 |
| M11 | 0 28 | 17 40 | 5 6 | 7 35 | 2 10 | 0n29 | 1 14 | 5 40 | 0 59 | 5 37 | 1 36 | 5 22 | 2 47 | 23 49 | 0 19 | 6 25 | 1 10 | 3 32 | 16 2 | 0 35 | 0 45 | 13 11 | 12 7 | 0 41 |
| T 12 | 0 4 | 18 14 | 5 17 | 6 50 | 2 7 | 1 0 | 1 13 | 5 22 | 0 59 | 5 40 | 1 36 | 5 20 | 2 47 | 23 49 | 0 19 | 6 24 | 1 10 | 3 32 | 16 2 | 0 35 | 0 43 | 13 9 | 12 6 | 0 41 |
| W13 | 0n19 | 17 41 | 5 11 | 6 3 | 2 4 | 1 30 | 1 12 | 5 3 | 0 59 | 5 43 | 1 36 | 5 19 | 2 47 | 23 49 | 0 19 | 6 23 | 1 10 | 3 31 | 16 2 | 0 35 | 0 42 | 13 8 | 12 5 | 0 42 |
| T 14 | 0 43 | 16 2 | 4 45 | 5 16 | 2 0 | 2 1 | 1 10 | 4 44 | 0 58 | 5 46 | 1 36 | 5 17 | 2 47 | 23 49 | 0 19 | 6 22 | 1 10 | 3 30 | 16 1 | 0 35 | 0 41 | 13 7 | 12 3 | 0 42 |
| F 15 | 1 7 | 13 20 | 4 1 | 4 27 | 1 56 | 2 32 | 1 9 | 4 26 | 0 58 | 5 49 | 1 36 | 5 15 | 2 47 | 23 49 | 0 19 | 6 21 | 1 10 | 3 30 | 16 1 | 0 35 | 0 40 | 13 5 | 12 1 | 0 43 |
| S 16 | 1 30 | 9 44 | 3 0 | 3 37 | 1 51 | 3 2 | 1 8 | 4 7 | 0 58 | 5 52 | 1 36 | 5 14 | 2 47 | 23 49 | 0 19 | 6 21 | 1 10 | 3 29 | 16 1 | 0 35 | 0 38 | 13 4 | 12 0 | 0 43 |
| S 17 | 1 54 | 5 32 | 1 48 | 2 46 | 1 46 | 3 33 | 1 6 | 3 48 | 0 57 | 5 55 | 1 35 | 5 12 | 2 47 | 23 49 | 0 19 | 6 20 | 1 10 | 3 29 | 16 1 | 0 35 | 0 37 | 13 3 | 11 58 | 0 43 |
| M18 | 2 17 | 0 59 | 0 28 | 1 54 | 1 40 | 4 3 | 1 5 | 3 29 | 0 57 | 5 57 | 1 35 | 5 10 | 2 47 | 23 49 | 0 19 | 6 19 | 1 10 | 3 28 | 16 1 | 0 35 | 0 36 | 13 1 | 11 57 | 0 44 |
| T 19 | 2 41 | 3s34 | 0n53 | 1 1 | 1 33 | 4 34 | 1 3 | 3 11 | 0 57 | 6 0 | 1 35 | 5 8 | 2 47 | 23 49 | 0 19 | 6 18 | 1 10 | 3 28 | 16 1 | 0 35 | 0 35 | 13 0 | 11 55 | 0 44 |
| W20 | 3 4 | 7 49 | 2 8 | 0 7 | 1 27 | 5 4 | 1 1 | 2 52 | 0 56 | 6 3 | 1 35 | 5 7 | 2 47 | 23 49 | 0 19 | 6 17 | 1 10 | 3 27 | 16 0 | 0 35 | 0 33 | 12 59 | 11 53 | 0 45 |
| T 21 | 3 27 | 11 33 | 3 15 | 0n47 | 1 19 | 5 34 | 1 0 | 2 33 | 0 56 | 6 5 | 1 35 | 5 5 | 2 48 | 23 49 | 0 19 | 6 16 | 1 10 | 3 26 | 16 0 | 0 35 | 0 32 | 12 57 | 11 52 | 0 45 |
| F 22 | 3 51 | 14 32 | 4 8 | 1 43 | 1 11 | 6 4 | 0 58 | 2 14 | 0 56 | 6 8 | 1 35 | 5 3 | 2 48 | 23 49 | 0 19 | 6 16 | 1 10 | 3 26 | 16 0 | 0 34 | 0 31 | 12 56 | 11 50 | 0 45 |
| S 23 | 4 14 | 16 40 | 4 46 | 2 40 | 1 3 | 6 34 | 0 56 | 1 55 | 0 55 | 6 11 | 1 35 | 5 1 | 2 48 | 23 49 | 0 19 | 6 15 | 1 10 | 3 25 | 16 0 | 0 34 | 0 29 | 12 55 | 11 48 | 0 46 |
| S 24 | 4 37 | 17 54 | 5 9 | 3 36 | 0 54 | 7 4 | 0 54 | 1 36 | 0 55 | 6 13 | 1 35 | 5 0 | 2 48 | 23 49 | 0 19 | 6 14 | 1 10 | 3 25 | 16 0 | 0 34 | 0 28 | 12 53 | 11 47 | 0 46 |
| M25 | 5 0 | 18 14 | 5 17 | 4 34 | 0 45 | 7 34 | 0 53 | 1 18 | 0 55 | 6 16 | 1 35 | 4 58 | 2 48 | 23 49 | 0 19 | 6 13 | 1 10 | 3 24 | 16 0 | 0 33 | 0 27 | 12 52 | 11 45 | 0 47 |
| T 26 | 5 23 | 17 42 | 5 10 | 5 32 | 0 35 | 8 3 | 0 51 | 0 59 | 0 54 | 6 18 | 1 35 | 4 56 | 2 48 | 23 49 | 0 19 | 6 12 | 1 10 | 3 24 | 16 0 | 0 33 | 0 26 | 12 51 | 11 43 | 0 47 |
| W27 | 5 46 | 16 24 | 4 50 | 6 29 | 0 25 | 8 32 | 0 49 | 0 40 | 0 54 | 6 20 | 1 35 | 4 54 | 2 48 | 23 49 | 0 19 | 6 12 | 1 11 | 3 23 | 16 0 | 0 33 | 0 24 | 12 49 | 11 41 | 0 47 |
| T 28 | 6 8 | 14 23 | 4 17 | 7 27 | 0 15 | 9 1 | 0 47 | 0 21 | 0 53 | 6 23 | 1 34 | 4 53 | 2 48 | 23 49 | 0 19 | 6 11 | 1 11 | 3 23 | 15 59 | 0 34 | 0 23 | 12 48 | 11 39 | 0 48 |
| F 29 | 6 31 | 11 47 | 3 34 | 8 25 | 0 4 | 9 30 | 0 45 | 0 3 | 0 53 | 6 25 | 1 34 | 4 51 | 2 48 | 23 49 | 0 19 | 6 10 | 1 11 | 3 22 | 15 59 | 0 34 | 0 22 | 12 47 | 11 38 | 0 48 |
| S 30 | 6 54 | 8 41 | 2 42 | 9 22 | 0n 6 | 9 59 | 0 43 | 0n16 | 0 53 | 6 27 | 1 34 | 4 49 | 2 48 | 23 49 | 0 19 | 6 9 | 1 11 | 3 22 | 15 59 | 0 35 | 0 21 | 12 45 | 11 36 | 0 48 |
| S 31 | 7n16 | 5s12 | 1n41 | 10n18 | 0n17 | 10n27 | 0s40 | 0n35 | 0s52 | 6n29 | 1n34 | 4s47 | 2n48 | 23n49 | 0n19 | 6s 8 | 1s11 | 3s21 | 15s59 | 0s35 | 0s19 | 12s44 | 11s34 | 0n49 |

Julian Day Number = 2219318.5, Delta T = 08m48s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'17, Lahiri = 14°59'17 Julian Calendar 1 March 1364 == Greg. Calendar 9 March 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## APRIL 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 10 23 | 19♈27'25 | 24♓57 | 27♈59 | 0♉ 3 | 4♈14 | 17°R10 | 18°R42 | 2♋56 | 17♓16 | 0♉25 | 1♎29 | 0♎45 | 15♒40 | 2°R16 | M 1 |
| T 2 | 13 14 20 | 20°25'59 | 7♈17 | 0♉ 3 | 1°17 | 5° 0 | 17♍ 5 | 18♎37 | 2°58 | 17°18 | 0°26 | 1°R29 | 0°42 | 15°46 | 2♏12 | T 2 |
| W 3 | 13 18 16 | 21°24'31 | 19°50 | 2° 5 | 2°31 | 5°46 | 16°59 | 18°33 | 2°59 | 17°20 | 0°27 | 1°28 | 0°39 | 15°53 | 2° 8 | W 3 |
| T 4 | 13 22 13 | 22°23'01 | 2♉39 | 4° 6 | 3°45 | 6°32 | 16°54 | 18°28 | 3° 1 | 17°22 | 0°29 | 1°26 | 0°36 | 16° 0 | 2° 3 | T 4 |
| F 5 | 13 26 10 | 23°21'29 | 15°42 | 6° 5 | 4°59 | 7°18 | 16°49 | 18°24 | 3° 3 | 17°24 | 0°30 | 1°23 | 0°32 | 16° 6 | 1°59 | F 5 |
| S 6 | 13 30 6 | 24°19'55 | 29° 0 | 8° 2 | 6°12 | 8° 3 | 16°44 | 18°19 | 3° 4 | 17°26 | 0°32 | 1°20 | 0°29 | 16°13 | 1°54 | S 6 |
| S 7 | 13 34 3 | 25°18'20 | 12♊31 | 9°56 | 7°26 | 8°49 | 16°39 | 18°15 | 3° 6 | 17°28 | 0°33 | 1°17 | 0°26 | 16°20 | 1°50 | S 7 |
| M 8 | 13 37 59 | 26°16'42 | 26°14 | 11°46 | 8°40 | 9°35 | 16°35 | 18°10 | 3° 8 | 17°30 | 0°34 | 1°14 | 0°23 | 16°26 | 1°45 | M 8 |
| T 9 | 13 41 56 | 27°15'02 | 10♋ 7 | 13°34 | 9°54 | 10°21 | 16°30 | 18° 6 | 3°10 | 17°32 | 0°36 | 1°11 | 0°20 | 16°33 | 1°41 | T 9 |
| W10 | 13 45 52 | 28°13'20 | 24°10 | 15°19 | 11° 8 | 11° 6 | 16°26 | 18° 1 | 3°12 | 17°33 | 0°37 | 1°D11 | 0°17 | 16°40 | 1°36 | W10 |
| T 11 | 13 49 49 | 29°11'35 | 8♌20 | 16°59 | 12°22 | 11°52 | 16°22 | 17°57 | 3°14 | 17°35 | 0°38 | 1°11 | 0°13 | 16°46 | 1°31 | T 11 |
| F 12 | 13 53 45 | 0♉ 9'49 | 22°35 | 18°37 | 13°36 | 12°37 | 16°18 | 17°52 | 3°16 | 17°37 | 0°40 | 1°12 | 0°10 | 16°53 | 1°27 | F 12 |
| S 13 | 13 57 42 | 1° 8'00 | 6♍54 | 20°10 | 14°49 | 13°23 | 16°14 | 17°48 | 3°18 | 17°39 | 0°41 | 1°13 | 0° 7 | 17° 0 | 1°22 | S 13 |
| S 14 | 14 1 39 | 2° 6'10 | 21°13 | 21°39 | 16° 3 | 14° 8 | 16°10 | 17°43 | 3°20 | 17°41 | 0°42 | 1°14 | 0° 4 | 17° 6 | 1°18 | S 14 |
| M15 | 14 5 35 | 3° 4'17 | 5♎29 | 23° 4 | 17°17 | 14°54 | 16° 7 | 17°39 | 3°22 | 17°42 | 0°44 | 1°R15 | 0° 1 | 17°13 | 1°13 | M15 |
| T 16 | 14 9 32 | 4° 2'23 | 19°39 | 24°25 | 18°31 | 15°39 | 16° 3 | 17°35 | 3°24 | 17°44 | 0°45 | 1°13 | 29♍58 | 17°20 | 1° 9 | T 16 |
| W17 | 14 13 28 | 5° 0'26 | 3♏37 | 25°42 | 19°44 | 16°24 | 16° 0 | 17°31 | 3°27 | 17°46 | 0°47 | 1°11 | 29°54 | 17°26 | 1° 4 | W17 |
| T 18 | 14 17 25 | 5°58'29 | 17°20 | 26°54 | 20°58 | 17°10 | 15°57 | 17°26 | 3°29 | 17°47 | 0°48 | 1° 6 | 29°51 | 17°33 | 0°59 | T 18 |
| F 19 | 14 21 21 | 6°56'29 | 0♐44 | 28° 2 | 22°11 | 17°55 | 15°54 | 17°22 | 3°31 | 17°49 | 0°49 | 1° 1 | 29°48 | 17°40 | 0°55 | F 19 |
| S 20 | 14 25 18 | 7°54'28 | 13°50 | 29° 6 | 23°25 | 18°40 | 15°52 | 17°18 | 3°34 | 17°51 | 0°51 | 0°55 | 29°45 | 17°47 | 0°50 | S 20 |
| S 21 | 14 29 14 | 8°52'26 | 26°35 | 0♊ 5 | 24°39 | 19°25 | 15°49 | 17°14 | 3°36 | 17°52 | 0°52 | 0°49 | 29°42 | 17°53 | 0°46 | S 21 |
| M22 | 14 33 11 | 9°50'22 | 9♑ 3 | 0°59 | 25°52 | 20°10 | 15°47 | 17°10 | 3°38 | 17°54 | 0°53 | 0°44 | 29°38 | 18° 0 | 0°41 | M22 |
| T 23 | 14 37 8 | 10°48'17 | 21°14 | 1°49 | 27° 6 | 20°55 | 15°45 | 17° 6 | 3°41 | 17°55 | 0°55 | 0°40 | 29°35 | 18° 7 | 0°37 | T 23 |
| W24 | 14 41 4 | 11°46'11 | 3♒14 | 2°34 | 28°19 | 21°40 | 15°43 | 17° 2 | 3°43 | 17°57 | 0°56 | 0°38 | 29°32 | 18°13 | 0°32 | W24 |
| T 25 | 14 45 1 | 12°44'03 | 15° 7 | 3°14 | 29°33 | 22°25 | 15°41 | 16°58 | 3°46 | 17°58 | 0°57 | 0°D38 | 29°29 | 18°20 | 0°28 | T 25 |
| F 26 | 14 48 57 | 13°41'54 | 26°57 | 3°49 | 0♊46 | 23°10 | 15°40 | 16°54 | 3°49 | 18° 0 | 0°59 | 0°39 | 29°26 | 18°27 | 0°24 | F 26 |
| S 27 | 14 52 54 | 14°39'43 | 8♓50 | 4°20 | 2° 0 | 23°55 | 15°38 | 16°50 | 3°51 | 18° 1 | 1° 0 | 0°40 | 29°23 | 18°33 | 0°19 | S 27 |
| S 28 | 14 56 50 | 15°37'32 | 20°51 | 4°45 | 3°13 | 24°39 | 15°37 | 16°47 | 3°54 | 18° 3 | 1° 1 | 0°41 | 29°19 | 18°40 | 0°15 | S 28 |
| M29 | 15 0 47 | 16°35'19 | 3♈ 4 | 5° 6 | 4°26 | 25°24 | 15°36 | 16°43 | 3°57 | 18° 4 | 1° 3 | 0°R42 | 29°16 | 18°47 | 0°11 | M29 |
| T 30 | 15 4 43 | 17♉33'05 | 15♈33 | 5♊22 | 5♊40 | 26♈ 9 | 15♍35 | 16♎39 | 3♋59 | 18♓ 5 | 1♉ 4 | 0♎40 | 29♍13 | 18♒53 | 0♏ 7 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n38 | 1s28 | 0n36 | 11n14 | 0n28 | 10n56 | 0s38 | 0n54 | 0s52 | 6n31 | 1n34 | 4s46 | 2n48 | 23n49 | 0n19 | 6s 8 | 1s11 | 3s20 | 15s59 | 0s36 | 0s18 | 12s42 | 11s32 | 0n49 |
| T 2 | 8 0 | 2n25 | 0s32 | 12 8 | 0 39 | 11 24 | 0 36 | 1 12 | 0 51 | 6 33 | 1 34 | 4 44 | 2 48 | 23 48 | 0 19 | 6 7 | 1 11 | 3 20 | 15 59 | 0 36 | 0 17 | 12 41 | 11 30 | 0 49 |
| W 3 | 8 23 | 6 15 | 1 40 | 13 2 | 0 50 | 11 51 | 0 34 | 1 31 | 0 51 | 6 35 | 1 34 | 4 42 | 2 48 | 23 48 | 0 19 | 6 6 | 1 11 | 3 19 | 15 59 | 0 35 | 0 16 | 12 40 | 11 28 | 0 50 |
| T 4 | 8 44 | 9 52 | 2 44 | 13 53 | 1 1 | 12 19 | 0 32 | 1 50 | 0 51 | 6 37 | 1 33 | 4 41 | 2 48 | 23 48 | 0 19 | 6 5 | 1 11 | 3 19 | 15 59 | 0 34 | 0 14 | 12 38 | 11 26 | 0 50 |
| F 5 | 9 6 | 13 5 | 3 40 | 14 43 | 1 12 | 12 46 | 0 29 | 2 8 | 0 50 | 6 39 | 1 33 | 4 39 | 2 48 | 23 48 | 0 19 | 6 5 | 1 11 | 3 18 | 15 59 | 0 33 | 0 13 | 12 37 | 11 25 | 0 51 |
| S 6 | 9 28 | 15 41 | 4 26 | 15 31 | 1 22 | 13 12 | 0 27 | 2 27 | 0 50 | 6 41 | 1 33 | 4 37 | 2 48 | 23 48 | 0 19 | 6 4 | 1 11 | 3 18 | 15 59 | 0 32 | 0 12 | 12 36 | 11 23 | 0 51 |
| S 7 | 9 49 | 17 27 | 4 58 | 16 17 | 1 32 | 13 39 | 0 25 | 2 45 | 0 49 | 6 43 | 1 33 | 4 35 | 2 48 | 23 48 | 0 19 | 6 3 | 1 11 | 3 17 | 15 59 | 0 31 | 0 10 | 12 34 | 11 21 | 0 51 |
| M 8 | 10 11 | 18 15 | 5 13 | 17 1 | 1 41 | 14 5 | 0 23 | 3 4 | 0 49 | 6 44 | 1 33 | 4 34 | 2 48 | 23 48 | 0 19 | 6 3 | 1 11 | 3 17 | 15 59 | 0 29 | 0 9 | 12 33 | 11 19 | 0 52 |
| T 9 | 10 32 | 17 58 | 5 10 | 17 43 | 1 50 | 14 31 | 0 20 | 3 22 | 0 48 | 6 46 | 1 33 | 4 32 | 2 48 | 23 48 | 0 19 | 6 2 | 1 11 | 3 16 | 15 59 | 0 29 | 0 8 | 12 32 | 11 17 | 0 52 |
| W10 | 10 53 | 16 36 | 4 49 | 18 22 | 1 58 | 14 56 | 0 18 | 3 40 | 0 48 | 6 47 | 1 32 | 4 30 | 2 48 | 23 48 | 0 19 | 6 1 | 1 11 | 3 16 | 15 59 | 0 28 | 0 7 | 12 30 | 11 15 | 0 52 |
| T 11 | 11 13 | 14 12 | 4 11 | 18 58 | 2 6 | 15 21 | 0 15 | 3 59 | 0 47 | 6 49 | 1 32 | 4 29 | 2 48 | 23 48 | 0 19 | 6 1 | 1 11 | 3 15 | 15 58 | 0 28 | 0 5 | 12 29 | 11 13 | 0 53 |
| F 12 | 11 34 | 10 56 | 3 16 | 19 33 | 2 13 | 15 46 | 0 13 | 4 17 | 0 47 | 6 50 | 1 32 | 4 27 | 2 48 | 23 48 | 0 19 | 6 0 | 1 11 | 3 15 | 15 58 | 0 29 | 0 4 | 12 27 | 11 11 | 0 53 |
| S 13 | 11 54 | 7 0 | 2 10 | 20 4 | 2 19 | 16 10 | 0 10 | 4 35 | 0 47 | 6 52 | 1 32 | 4 26 | 2 47 | 23 48 | 0 19 | 5 59 | 1 11 | 3 15 | 15 58 | 0 29 | 0 3 | 12 26 | 11 9 | 0 53 |
| S 14 | 12 15 | 2 39 | 0 55 | 20 33 | 2 24 | 16 34 | 0 8 | 4 53 | 0 46 | 6 53 | 1 32 | 4 24 | 2 47 | 23 48 | 0 19 | 5 59 | 1 11 | 3 14 | 15 58 | 0 30 | 0 2 | 12 25 | 11 7 | 0 54 |
| M15 | 12 35 | 1s50 | 0n23 | 21 0 | 2 28 | 16 58 | 0 6 | 5 11 | 0 46 | 6 54 | 1 31 | 4 22 | 2 47 | 23 48 | 0 19 | 5 58 | 1 11 | 3 14 | 15 58 | 0 30 | 0 0 | 12 23 | 11 5 | 0 54 |
| T 16 | 12 54 | 6 11 | 1 39 | 21 24 | 2 32 | 17 21 | 0 3 | 5 29 | 0 45 | 6 55 | 1 31 | 4 21 | 2 47 | 23 48 | 0 19 | 5 57 | 1 11 | 3 13 | 15 58 | 0 29 | 0n 1 | 12 22 | 11 4 | 0 54 |
| W17 | 13 14 | 10 8 | 2 48 | 21 45 | 2 35 | 17 43 | 0 1 | 5 47 | 0 45 | 6 56 | 1 31 | 4 19 | 2 47 | 23 48 | 0 19 | 5 57 | 1 11 | 3 13 | 15 58 | 0 28 | 0 2 | 12 21 | 11 2 | 0 55 |
| T 18 | 13 33 | 13 28 | 3 45 | 22 4 | 2 37 | 18 5 | 0n 2 | 6 5 | 0 44 | 6 57 | 1 31 | 4 18 | 2 47 | 23 48 | 0 19 | 5 56 | 1 11 | 3 12 | 15 58 | 0 26 | 0 4 | 12 19 | 11 0 | 0 55 |
| F 19 | 13 53 | 15 59 | 4 29 | 22 21 | 2 37 | 18 27 | 0 4 | 6 23 | 0 44 | 6 58 | 1 31 | 4 16 | 2 47 | 23 48 | 0 19 | 5 55 | 1 11 | 3 12 | 15 58 | 0 24 | 0 5 | 12 18 | 10 58 | 0 55 |
| S 20 | 14 12 | 17 37 | 4 57 | 22 35 | 2 37 | 18 48 | 0 7 | 6 40 | 0 43 | 6 59 | 1 30 | 4 15 | 2 47 | 23 47 | 0 19 | 5 55 | 1 11 | 3 11 | 15 58 | 0 22 | 0 6 | 12 16 | 10 56 | 0 56 |
| S 21 | 14 30 | 18 19 | 5 10 | 22 47 | 2 36 | 19 9 | 0 10 | 6 58 | 0 43 | 7 0 | 1 30 | 4 13 | 2 47 | 23 47 | 0 19 | 5 54 | 1 11 | 3 11 | 15 58 | 0 19 | 0 7 | 12 15 | 10 54 | 0 56 |
| M22 | 14 49 | 18 6 | 5 7 | 22 56 | 2 34 | 19 29 | 0 12 | 7 16 | 0 42 | 7 0 | 1 30 | 4 12 | 2 47 | 23 47 | 0 19 | 5 54 | 1 11 | 3 11 | 15 58 | 0 17 | 0 9 | 12 14 | 10 52 | 0 56 |
| T 23 | 15 7 | 17 2 | 4 51 | 23 4 | 2 31 | 19 49 | 0 15 | 7 33 | 0 42 | 7 1 | 1 30 | 4 10 | 2 46 | 23 47 | 0 19 | 5 53 | 1 11 | 3 10 | 15 59 | 0 16 | 0 10 | 12 12 | 10 50 | 0 57 |
| W24 | 15 25 | 15 15 | 4 22 | 23 9 | 2 27 | 20 8 | 0 17 | 7 50 | 0 41 | 7 2 | 1 30 | 4 9 | 2 46 | 23 47 | 0 19 | 5 53 | 1 11 | 3 10 | 15 59 | 0 15 | 0 11 | 12 11 | 10 49 | 0 57 |
| T 25 | 15 43 | 12 49 | 3 42 | 23 11 | 2 22 | 20 26 | 0 20 | 8 8 | 0 40 | 7 2 | 1 29 | 4 8 | 2 46 | 23 47 | 0 19 | 5 52 | 1 11 | 3 9 | 15 59 | 0 15 | 0 12 | 12 9 | 10 47 | 0 57 |
| F 26 | 16 0 | 9 52 | 2 53 | 23 12 | 2 15 | 20 44 | 0 22 | 8 25 | 0 40 | 7 2 | 1 29 | 4 6 | 2 46 | 23 47 | 0 19 | 5 51 | 1 12 | 3 9 | 15 59 | 0 15 | 0 14 | 12 8 | 10 45 | 0 58 |
| S 27 | 16 17 | 6 30 | 1 56 | 23 11 | 2 8 | 21 2 | 0 25 | 8 42 | 0 39 | 7 3 | 1 29 | 4 5 | 2 46 | 23 47 | 0 19 | 5 51 | 1 12 | 3 9 | 15 59 | 0 16 | 0 15 | 12 7 | 10 43 | 0 58 |
| S 28 | 16 34 | 2 49 | 0 53 | 23 7 | 2 0 | 21 19 | 0 27 | 8 59 | 0 39 | 7 3 | 1 29 | 4 4 | 2 46 | 23 47 | 0 19 | 5 50 | 1 12 | 3 8 | 15 59 | 0 16 | 0 16 | 12 5 | 10 41 | 0 58 |
| M29 | 16 51 | 1n 2 | 0s13 | 23 2 | 1 50 | 21 35 | 0 30 | 9 16 | 0 38 | 7 3 | 1 28 | 4 3 | 2 46 | 23 47 | 0 19 | 5 50 | 1 12 | 3 8 | 15 59 | 0 17 | 0 17 | 12 4 | 10 39 | 0 59 |
| T 30 | 17n 7 | 4n55 | 1s20 | 22n55 | 1n40 | 21n51 | 0n32 | 9n32 | 0s38 | 7n 3 | 1n28 | 4s 1 | 2n45 | 23n47 | 0n19 | 5s49 | 1s12 | 3s 7 | 15s59 | 0s16 | 0n19 | 12s 2 | 10s38 | 0n59 |

Julian Day Number = 2219349.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'21, Lahiri = 14°59'21 Julian Calendar 1 Apr. 1364 == Greg. Calendar 9 Apr. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## MAY 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 8 40 | 18♉30'50 | 28♈21 | 5♊33 | 6♊53 | 26♈53 | 15°R34 | 16°R36 | 4♋ 2 | 18♓ 7 | 1♉ 5 | 0°R37 | 29♍10 | 19♒ 0 | 0°R 2 | W 1 |
| T 2 | 15 12 37 | 19°28'33 | 11♉28 | 5°39 | 8° 7 | 27°38 | 15♍34 | 16♎32 | 4° 5 | 18° 8 | 1° 7 | 0♎32 | 29° 7 | 19° 7 | 29♎58 | T 2 |
| F 3 | 15 16 33 | 20°26'15 | 24°54 | 5°R40 | 9°20 | 28°22 | 15°34 | 16°29 | 4° 8 | 18° 9 | 1° 8 | 0°25 | 29° 4 | 19°13 | 29°54 | F 3 |
| S 4 | 15 20 30 | 21°23'56 | 8♊38 | 5°37 | 10°33 | 29° 7 | 15°D34 | 16°26 | 4°11 | 18°11 | 1° 9 | 0°17 | 29° 0 | 19°20 | 29°50 | S 4 |
| S 5 | 15 24 26 | 22°21'36 | 22°35 | 5°29 | 11°46 | 29°51 | 15°34 | 16°22 | 4°13 | 18°12 | 1°11 | 0° 8 | 28°57 | 19°27 | 29°46 | S 5 |
| M 6 | 15 28 23 | 23°19'14 | 6♋42 | 5°16 | 13° 0 | 0♉36 | 15°34 | 16°19 | 4°16 | 18°13 | 1°12 | 0° 1 | 28°54 | 19°33 | 29°42 | M 6 |
| T 7 | 15 32 19 | 24°16'51 | 20°55 | 5° 0 | 14°13 | 1°20 | 15°34 | 16°16 | 4°19 | 18°14 | 1°13 | 29♍55 | 28°51 | 19°40 | 29°38 | T 7 |
| W 8 | 15 36 16 | 25°14'26 | 5♌ 9 | 4°40 | 15°26 | 2° 4 | 15°35 | 16°13 | 4°22 | 18°15 | 1°14 | 29°51 | 28°48 | 19°47 | 29°35 | W 8 |
| T 9 | 15 40 12 | 26°12'00 | 19°21 | 4°16 | 16°39 | 2°48 | 15°36 | 16°10 | 4°25 | 18°17 | 1°16 | 29°49 | 28°44 | 19°53 | 29°31 | T 9 |
| F 10 | 15 44 9 | 27° 9'32 | 3♍30 | 3°50 | 17°52 | 3°32 | 15°37 | 16° 7 | 4°28 | 18°18 | 1°17 | 29°D49 | 28°41 | 20° 0 | 29°27 | F 10 |
| S 11 | 15 48 6 | 28° 7'02 | 17°34 | 3°21 | 19° 6 | 4°16 | 15°38 | 16° 4 | 4°31 | 18°19 | 1°18 | 29°50 | 28°38 | 20° 7 | 29°23 | S 11 |
| S 12 | 15 52 2 | 29° 4'32 | 1♎32 | 2°50 | 20°19 | 5° 0 | 15°39 | 16° 2 | 4°35 | 18°20 | 1°19 | 29°R50 | 28°35 | 20°13 | 29°20 | S 12 |
| M13 | 15 55 59 | 0♊ 2'00 | 15°24 | 2°18 | 21°32 | 5°44 | 15°41 | 15°59 | 4°38 | 18°21 | 1°21 | 29°49 | 28°32 | 20°20 | 29°16 | M13 |
| T 14 | 15 59 55 | 0°59'26 | 29° 7 | 1°44 | 22°45 | 6°28 | 15°42 | 15°56 | 4°41 | 18°22 | 1°22 | 29°46 | 28°29 | 20°27 | 29°13 | T 14 |
| W15 | 16 3 52 | 1°56'52 | 12♏40 | 1°11 | 23°58 | 7°12 | 15°44 | 15°54 | 4°44 | 18°23 | 1°23 | 29°40 | 28°25 | 20°33 | 29°10 | W15 |
| T 16 | 16 7 48 | 2°54'16 | 26° 2 | 0°37 | 25°11 | 7°56 | 15°46 | 15°51 | 4°47 | 18°24 | 1°24 | 29°32 | 28°22 | 20°40 | 29° 6 | T 16 |
| F 17 | 16 11 45 | 3°51'40 | 9♐10 | 0° 5 | 26°24 | 8°39 | 15°49 | 15°49 | 4°50 | 18°25 | 1°25 | 29°22 | 28°19 | 20°47 | 29° 3 | F 17 |
| S 18 | 16 15 41 | 4°49'02 | 22° 3 | 29♑33 | 27°37 | 9°23 | 15°51 | 15°47 | 4°54 | 18°25 | 1°27 | 29°11 | 28°16 | 20°53 | 29° 0 | S 18 |
| S 19 | 16 19 38 | 5°46'24 | 4♑40 | 29° 4 | 28°49 | 10° 7 | 15°54 | 15°45 | 4°57 | 18°26 | 1°28 | 29° 0 | 28°13 | 21° 0 | 28°57 | S 19 |
| M20 | 16 23 35 | 6°43'45 | 17° 3 | 28°37 | 0♋ 2 | 10°50 | 15°56 | 15°43 | 5° 0 | 18°27 | 1°29 | 28°50 | 28°10 | 21° 7 | 28°54 | M20 |
| T 21 | 16 27 31 | 7°41'06 | 29°12 | 28°13 | 1°15 | 11°34 | 15°59 | 15°41 | 5° 3 | 18°28 | 1°30 | 28°42 | 28° 6 | 21°14 | 28°51 | T 21 |
| W22 | 16 31 28 | 8°38'26 | 11♒10 | 27°52 | 2°28 | 12°17 | 16° 2 | 15°39 | 5° 7 | 18°28 | 1°31 | 28°36 | 28° 3 | 21°20 | 28°49 | W22 |
| T 23 | 16 35 24 | 9°35'45 | 23° 2 | 27°35 | 3°41 | 13° 1 | 16° 6 | 15°37 | 5°10 | 18°29 | 1°32 | 28°33 | 28° 0 | 21°27 | 28°46 | T 23 |
| F 24 | 16 39 21 | 10°33'03 | 4♓51 | 27°21 | 4°53 | 13°44 | 16° 9 | 15°35 | 5°13 | 18°30 | 1°34 | 28°32 | 27°57 | 21°34 | 28°43 | F 24 |
| S 25 | 16 43 17 | 11°30'22 | 16°44 | 27°12 | 6° 6 | 14°27 | 16°12 | 15°34 | 5°17 | 18°30 | 1°35 | 28°D32 | 27°54 | 21°40 | 28°41 | S 25 |
| S 26 | 16 47 14 | 12°27'39 | 28°45 | 27° 7 | 7°19 | 15°10 | 16°16 | 15°32 | 5°20 | 18°31 | 1°36 | 28°R32 | 27°50 | 21°47 | 28°38 | S 26 |
| M27 | 16 51 10 | 13°24'57 | 11♈ 0 | 27°D 6 | 8°32 | 15°53 | 16°20 | 15°31 | 5°24 | 18°32 | 1°37 | 28°31 | 27°47 | 21°54 | 28°36 | M27 |
| T 28 | 16 55 7 | 14°22'14 | 23°33 | 27°10 | 9°44 | 16°37 | 16°24 | 15°30 | 5°27 | 18°32 | 1°38 | 28°29 | 27°44 | 22° 0 | 28°34 | T 28 |
| W29 | 16 59 4 | 15°19'30 | 6♉29 | 27°19 | 10°57 | 17°20 | 16°28 | 15°28 | 5°31 | 18°33 | 1°39 | 28°24 | 27°41 | 22° 7 | 28°31 | W29 |
| T 30 | 17 3 0 | 16°16'46 | 19°49 | 27°32 | 12° 9 | 18° 3 | 16°33 | 15°27 | 5°34 | 18°33 | 1°40 | 28°17 | 27°38 | 22°14 | 28°29 | T 30 |
| F 31 | 17 6 57 | 17♊14'02 | 3♊33 | 27♉49 | 13♋22 | 18♉45 | 16♍37 | 15♎26 | 5♋38 | 18♓34 | 1♉41 | 28♍ 8 | 27♍35 | 22♒20 | 28♎27 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n24 | 8n41 | 2s24 | 22n45 | 1n29 | 22n 6 | 0n35 | 9n49 | 0s37 | 7n 3 | 1n28 | 4s 0 | 2n45 | 23n47 | 0n19 | 5s49 | 1s12 | 3s 7 | 15s59 | 0s15 | 0n20 | 12s 1 | 10s36 | 0n59 |
| T 2 | 17 39 | 12 7 | 3 22 | 22 34 | 1 16 | 22 21 | 0 37 | 10 6 | 0 37 | 7 3 | 1 28 | 3 59 | 2 45 | 23 46 | 0 19 | 5 48 | 1 12 | 3 7 | 15 59 | 0 13 | 0 21 | 12 0 | 10 34 | 1 0 |
| F 3 | 17 55 | 15 1 | 4 10 | 22 21 | 1 3 | 22 34 | 0 39 | 10 22 | 0 36 | 7 3 | 1 28 | 3 58 | 2 45 | 23 46 | 0 19 | 5 48 | 1 12 | 3 6 | 15 59 | 0 10 | 0 23 | 11 58 | 10 32 | 1 0 |
| S 4 | 18 10 | 17 7 | 4 45 | 22 7 | 0 49 | 22 48 | 0 42 | 10 39 | 0 36 | 7 3 | 1 27 | 3 57 | 2 45 | 23 46 | 0 19 | 5 47 | 1 12 | 3 6 | 15 59 | 0 7 | 0 24 | 11 57 | 10 31 | 1 0 |
| S 5 | 18 25 | 18 15 | 5 4 | 21 51 | 0 34 | 23 0 | 0 44 | 10 55 | 0 35 | 7 3 | 1 27 | 3 56 | 2 45 | 23 46 | 0 19 | 5 47 | 1 12 | 3 6 | 15 59 | 0 3 | 0 25 | 11 55 | 10 29 | 1 0 |
| M 6 | 18 40 | 18 17 | 5 4 | 21 33 | 0 18 | 23 12 | 0 47 | 11 11 | 0 34 | 7 3 | 1 27 | 3 54 | 2 44 | 23 46 | 0 19 | 5 47 | 1 12 | 3 5 | 15 59 | 0 0 | 0 26 | 11 54 | 10 27 | 1 1 |
| T 7 | 18 54 | 17 10 | 4 46 | 21 14 | 0 2 | 23 24 | 0 49 | 11 27 | 0 34 | 7 2 | 1 27 | 3 53 | 2 44 | 23 46 | 0 19 | 5 46 | 1 12 | 3 5 | 16 0 | 0n 2 | 0 28 | 11 53 | 10 26 | 1 1 |
| W 8 | 19 8 | 14 59 | 4 11 | 20 54 | 0s15 | 23 34 | 0 51 | 11 43 | 0 33 | 7 2 | 1 26 | 3 52 | 2 44 | 23 46 | 0 19 | 5 46 | 1 12 | 3 5 | 16 0 | 0 4 | 0 29 | 11 51 | 10 24 | 1 1 |
| T 9 | 19 22 | 11 54 | 3 19 | 20 33 | 0 32 | 23 44 | 0 54 | 11 58 | 0 33 | 7 1 | 1 26 | 3 51 | 2 44 | 23 46 | 0 19 | 5 45 | 1 12 | 3 4 | 16 0 | 0 4 | 0 30 | 11 50 | 10 23 | 1 2 |
| F 10 | 19 35 | 8 8 | 2 16 | 20 11 | 0 49 | 23 53 | 0 56 | 12 14 | 0 32 | 7 1 | 1 26 | 3 51 | 2 44 | 23 46 | 0 19 | 5 45 | 1 12 | 3 4 | 16 0 | 0 4 | 0 31 | 11 48 | 10 21 | 1 2 |
| S 11 | 19 48 | 3 56 | 1 5 | 19 48 | 1 7 | 24 2 | 0 58 | 12 30 | 0 31 | 7 0 | 1 26 | 3 50 | 2 44 | 23 46 | 0 19 | 5 45 | 1 12 | 3 4 | 16 0 | 0 4 | 0 33 | 11 47 | 10 20 | 1 2 |
| S 12 | 20 1 | 0s29 | 0n 9 | 19 25 | 1 24 | 24 10 | 1 0 | 12 45 | 0 31 | 6 59 | 1 25 | 3 49 | 2 43 | 23 45 | 0 19 | 5 44 | 1 12 | 3 3 | 16 0 | 0 4 | 0 34 | 11 45 | 10 18 | 1 2 |
| M13 | 20 14 | 4 49 | 1 22 | 19 2 | 1 41 | 24 17 | 1 2 | 13 0 | 0 30 | 6 58 | 1 25 | 3 48 | 2 43 | 23 45 | 0 19 | 5 44 | 1 12 | 3 3 | 16 0 | 0 4 | 0 35 | 11 44 | 10 17 | 1 3 |
| T 14 | 20 26 | 8 52 | 2 30 | 18 39 | 1 58 | 24 24 | 1 5 | 13 15 | 0 30 | 6 57 | 1 25 | 3 47 | 2 43 | 23 45 | 0 19 | 5 44 | 1 12 | 3 3 | 16 0 | 0 5 | 0 36 | 11 43 | 10 15 | 1 3 |
| W15 | 20 37 | 12 24 | 3 28 | 18 16 | 2 14 | 24 29 | 1 7 | 13 30 | 0 29 | 6 57 | 1 25 | 3 46 | 2 43 | 23 45 | 0 19 | 5 43 | 1 12 | 3 3 | 16 1 | 0 8 | 0 38 | 11 41 | 10 14 | 1 3 |
| T 16 | 20 49 | 15 13 | 4 13 | 17 54 | 2 30 | 24 35 | 1 9 | 13 45 | 0 28 | 6 56 | 1 24 | 3 46 | 2 42 | 23 45 | 0 19 | 5 43 | 1 12 | 3 2 | 16 1 | 0 11 | 0 39 | 11 40 | 10 12 | 1 4 |
| F 17 | 21 0 | 17 13 | 4 45 | 17 33 | 2 45 | 24 39 | 1 11 | 14 0 | 0 28 | 6 54 | 1 24 | 3 45 | 2 42 | 23 45 | 0 19 | 5 43 | 1 12 | 3 2 | 16 1 | 0 15 | 0 40 | 11 38 | 10 11 | 1 4 |
| S 18 | 21 10 | 18 17 | 5 1 | 17 13 | 2 58 | 24 43 | 1 13 | 14 14 | 0 27 | 6 53 | 1 24 | 3 44 | 2 42 | 23 45 | 0 19 | 5 42 | 1 12 | 3 2 | 16 1 | 0 20 | 0 42 | 11 37 | 10 9 | 1 4 |
| S 19 | 21 20 | 18 25 | 5 1 | 16 54 | 3 11 | 24 45 | 1 15 | 14 29 | 0 27 | 6 52 | 1 24 | 3 44 | 2 42 | 23 45 | 0 19 | 5 42 | 1 13 | 3 2 | 16 1 | 0 24 | 0 43 | 11 35 | 10 8 | 1 4 |
| M20 | 21 30 | 17 40 | 4 48 | 16 37 | 3 23 | 24 48 | 1 17 | 14 43 | 0 26 | 6 51 | 1 24 | 3 43 | 2 42 | 23 45 | 0 19 | 5 42 | 1 13 | 3 1 | 16 1 | 0 28 | 0 44 | 11 34 | 10 7 | 1 5 |
| T 21 | 21 40 | 16 7 | 4 22 | 16 22 | 3 33 | 24 49 | 1 18 | 14 57 | 0 25 | 6 49 | 1 23 | 3 43 | 2 41 | 23 44 | 0 19 | 5 41 | 1 13 | 3 1 | 16 1 | 0 31 | 0 45 | 11 32 | 10 6 | 1 5 |
| W22 | 21 49 | 13 53 | 3 44 | 16 8 | 3 42 | 24 50 | 1 20 | 15 11 | 0 25 | 6 48 | 1 23 | 3 42 | 2 41 | 23 44 | 0 19 | 5 41 | 1 13 | 3 1 | 16 2 | 0 33 | 0 47 | 11 31 | 10 4 | 1 5 |
| T 23 | 21 58 | 11 6 | 2 57 | 15 57 | 3 50 | 24 50 | 1 22 | 15 25 | 0 24 | 6 47 | 1 23 | 3 42 | 2 41 | 23 44 | 0 19 | 5 41 | 1 13 | 3 1 | 16 2 | 0 35 | 0 48 | 11 30 | 10 3 | 1 5 |
| F 24 | 22 6 | 7 52 | 2 2 | 15 47 | 3 57 | 24 49 | 1 24 | 15 38 | 0 23 | 6 45 | 1 23 | 3 41 | 2 41 | 23 44 | 0 19 | 5 41 | 1 13 | 3 1 | 16 2 | 0 35 | 0 49 | 11 28 | 10 2 | 1 6 |
| S 25 | 22 14 | 4 18 | 1 2 | 15 40 | 4 2 | 24 48 | 1 25 | 15 52 | 0 23 | 6 43 | 1 22 | 3 41 | 2 40 | 23 44 | 0 19 | 5 41 | 1 13 | 3 0 | 16 2 | 0 35 | 0 50 | 11 27 | 10 1 | 1 6 |
| S 26 | 22 22 | 0 31 | 0s 1 | 15 35 | 4 6 | 24 46 | 1 27 | 16 5 | 0 22 | 6 42 | 1 22 | 3 40 | 2 40 | 23 44 | 0 19 | 5 40 | 1 13 | 3 0 | 16 2 | 0 35 | 0 52 | 11 25 | 10 0 | 1 6 |
| M27 | 22 29 | 3n21 | 1 6 | 15 32 | 4 9 | 24 43 | 1 28 | 16 18 | 0 22 | 6 40 | 1 22 | 3 40 | 2 40 | 23 44 | 0 19 | 5 40 | 1 13 | 3 0 | 16 3 | 0 35 | 0 53 | 11 24 | 9 59 | 1 6 |
| T 28 | 22 36 | 7 11 | 2 9 | 15 31 | 4 11 | 24 39 | 1 30 | 16 31 | 0 21 | 6 38 | 1 22 | 3 40 | 2 40 | 23 44 | 0 19 | 5 40 | 1 13 | 3 0 | 16 3 | 0 36 | 0 54 | 11 22 | 9 58 | 1 7 |
| W29 | 22 42 | 10 47 | 3 7 | 15 33 | 4 11 | 24 35 | 1 31 | 16 44 | 0 20 | 6 36 | 1 21 | 3 40 | 2 39 | 23 43 | 0 19 | 5 40 | 1 13 | 3 0 | 16 3 | 0 38 | 0 55 | 11 21 | 9 57 | 1 7 |
| T 30 | 22 49 | 13 57 | 3 57 | 15 37 | 4 10 | 24 30 | 1 32 | 16 57 | 0 20 | 6 34 | 1 21 | 3 39 | 2 39 | 23 43 | 0 19 | 5 40 | 1 13 | 3 0 | 16 3 | 0 41 | 0 57 | 11 19 | 9 56 | 1 7 |
| F 31 | 22n54 | 16n27 | 4s34 | 15n42 | 4s 9 | 24n24 | 1n34 | 17n 9 | 0s19 | 6n32 | 1n21 | 3s39 | 2n39 | 23n43 | 0n19 | 5s40 | 1s13 | 3s 0 | 16s 3 | 0n45 | 0n58 | 11s18 | 9s55 | 1n 7 |

Julian Day Number = 2219379.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'25, Lahiri = 14°59'25 Julian Calendar 1 May 1364 == Greg. Calendar 9 May 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## JUNE 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 10 53 | 18♊11'18 | 17♊38 | 28♉12 | 14♋35 | 19♉28 | 16♍42 | 15°R25 | 5♋41 | 18♓34 | 1♉42 | 27°R57 | 27♍31 | 22♒27 | 28°R26 | S 1 |
| S 2 | 17 14 50 | 19° 8'33 | 2♋ 1 | 28°38 | 15°47 | 20°11 | 16°47 | 15♎24 | 5°45 | 18°34 | 1°43 | 27♍45 | 27°28 | 22°34 | 28♎24 | S 2 |
| M 3 | 17 18 46 | 20° 5'48 | 16°35 | 29°10 | 17° 0 | 20°54 | 16°52 | 15°24 | 5°48 | 18°35 | 1°44 | 27°35 | 27°25 | 22°40 | 28°22 | M 3 |
| T 4 | 17 22 43 | 21° 3'02 | 1♌12 | 29°45 | 18°12 | 21°37 | 16°57 | 15°23 | 5°52 | 18°35 | 1°45 | 27°26 | 27°22 | 22°47 | 28°21 | T 4 |
| W 5 | 17 26 39 | 22° 0'15 | 15°46 | 0♊26 | 19°24 | 22°19 | 17° 2 | 15°23 | 5°55 | 18°35 | 1°46 | 27°20 | 27°19 | 22°54 | 28°19 | W 5 |
| T 6 | 17 30 36 | 22°57'28 | 0♍11 | 1°10 | 20°37 | 23° 2 | 17° 8 | 15°22 | 5°59 | 18°36 | 1°47 | 27°17 | 27°16 | 23° 0 | 28°18 | T 6 |
| F 7 | 17 34 33 | 23°54'40 | 14°25 | 1°59 | 21°49 | 23°44 | 17°13 | 15°22 | 6° 2 | 18°36 | 1°48 | 27°16 | 27°12 | 23° 7 | 28°16 | F 7 |
| S 8 | 17 38 29 | 24°51'52 | 28°25 | 2°51 | 23° 1 | 24°27 | 17°19 | 15°21 | 6° 6 | 18°36 | 1°49 | 27°16 | 27° 9 | 23°14 | 28°15 | S 8 |
| S 9 | 17 42 26 | 25°49'03 | 12♎13 | 3°48 | 24°14 | 25° 9 | 17°25 | 15°21 | 6° 9 | 18°36 | 1°49 | 27°16 | 27° 6 | 23°20 | 28°14 | S 9 |
| M10 | 17 46 22 | 26°46'13 | 25°48 | 4°49 | 25°26 | 25°51 | 17°31 | 15°D21 | 6°13 | 18°36 | 1°50 | 27°14 | 27° 3 | 23°27 | 28°13 | M10 |
| T 11 | 17 50 19 | 27°43'23 | 9♏10 | 5°54 | 26°38 | 26°33 | 17°37 | 15°21 | 6°17 | 18°36 | 1°51 | 27°10 | 27° 0 | 23°34 | 28°12 | T 11 |
| W12 | 17 54 15 | 28°40'33 | 22°22 | 7° 3 | 27°50 | 27°16 | 17°43 | 15°21 | 6°20 | 18°36 | 1°52 | 27° 3 | 26°56 | 23°40 | 28°12 | W12 |
| T 13 | 17 58 12 | 29°37'42 | 5♐22 | 8°16 | 29° 2 | 27°58 | 17°50 | 15°22 | 6°24 | 18°R36 | 1°53 | 26°53 | 26°53 | 23°47 | 28°11 | T 13 |
| F 14 | 18 2 8 | 0♋34'52 | 18°10 | 9°33 | 0♌15 | 28°40 | 17°56 | 15°22 | 6°27 | 18°36 | 1°54 | 26°41 | 26°50 | 23°54 | 28°10 | F 14 |
| S 15 | 18 6 5 | 1°32'01 | 0♑46 | 10°54 | 1°27 | 29°22 | 18° 3 | 15°23 | 6°31 | 18°36 | 1°54 | 26°28 | 26°47 | 24° 0 | 28°10 | S 15 |
| S 16 | 18 10 2 | 2°29'10 | 13°11 | 12°18 | 2°39 | 0♊ 4 | 18°10 | 15°23 | 6°35 | 18°36 | 1°55 | 26°15 | 26°44 | 24° 7 | 28°10 | S 16 |
| M17 | 18 13 58 | 3°26'19 | 25°23 | 13°46 | 3°51 | 0°46 | 18°17 | 15°24 | 6°38 | 18°36 | 1°56 | 26° 4 | 26°41 | 24°14 | 28° 9 | M17 |
| T 18 | 18 17 55 | 4°23'29 | 7♒26 | 15°18 | 5° 3 | 1°27 | 18°24 | 15°24 | 6°42 | 18°36 | 1°57 | 25°54 | 26°37 | 24°20 | 28° 9 | T 18 |
| W19 | 18 21 51 | 5°20'38 | 19°21 | 16°53 | 6°14 | 2° 9 | 18°31 | 15°25 | 6°46 | 18°36 | 1°57 | 25°47 | 26°34 | 24°27 | 28°D 9 | W19 |
| T 20 | 18 25 48 | 6°17'48 | 1♓10 | 18°32 | 7°26 | 2°51 | 18°39 | 15°26 | 6°49 | 18°36 | 1°58 | 25°42 | 26°31 | 24°34 | 28° 9 | T 20 |
| F 21 | 18 29 44 | 7°14'59 | 12°58 | 20°14 | 8°38 | 3°33 | 18°46 | 15°27 | 6°53 | 18°35 | 1°59 | 25°40 | 26°28 | 24°40 | 28° 9 | F 21 |
| S 22 | 18 33 41 | 8°12'09 | 24°49 | 21°59 | 9°50 | 4°14 | 18°54 | 15°28 | 6°56 | 18°35 | 1°59 | 25°D39 | 26°25 | 24°47 | 28°10 | S 22 |
| S 23 | 18 37 37 | 9° 9'20 | 6♈49 | 23°48 | 11° 2 | 4°56 | 19° 2 | 15°30 | 7° 0 | 18°35 | 2° 0 | 25°R39 | 26°21 | 24°54 | 28°10 | S 23 |
| M24 | 18 41 34 | 10° 6'32 | 19° 3 | 25°40 | 12°13 | 5°37 | 19° 9 | 15°31 | 7° 4 | 18°34 | 2° 1 | 25°39 | 26°18 | 25° 0 | 28°11 | M24 |
| T 25 | 18 45 31 | 11° 3'44 | 1♉36 | 27°34 | 13°25 | 6°18 | 19°17 | 15°32 | 7° 7 | 18°34 | 2° 1 | 25°37 | 26°15 | 25° 7 | 28°11 | T 25 |
| W26 | 18 49 27 | 12° 0'57 | 14°33 | 29°31 | 14°37 | 7° 0 | 19°25 | 15°34 | 7°11 | 18°34 | 2° 2 | 25°34 | 26°12 | 25°14 | 28°12 | W26 |
| T 27 | 18 53 24 | 12°58'10 | 27°57 | 1♋31 | 15°48 | 7°41 | 19°34 | 15°35 | 7°15 | 18°33 | 2° 2 | 25°28 | 26° 9 | 25°20 | 28°13 | T 27 |
| F 28 | 18 57 20 | 13°55'24 | 11♊49 | 3°32 | 17° 0 | 8°22 | 19°42 | 15°37 | 7°18 | 18°33 | 2° 3 | 25°19 | 26° 6 | 25°27 | 28°14 | F 28 |
| S 29 | 19 1 17 | 14°52'39 | 26° 7 | 5°36 | 18°11 | 9° 3 | 19°50 | 15°39 | 7°22 | 18°32 | 2° 3 | 25° 9 | 26° 2 | 25°34 | 28°15 | S 29 |
| S 30 | 19 5 13 | 15♋49'54 | 10♋46 | 7♋40 | 19♌23 | 9♊45 | 19♍59 | 15♎41 | 7♋25 | 18♓32 | 2♉ 4 | 24♍59 | 25♍59 | 25♒40 | 28♎16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n 0 | 18n 2 | 4s56 | 15n50 | 4s 6 | 24n17 | 1n35 | 17n22 | 0s18 | 6n30 | 1n21 | 3s39 | 2n39 | 23n43 | 0n19 | 5s40 | 1s13 | 2s59 | 16s 4 | 0n49 | 0n59 | 11s16 | 9s54 | 1n 7 |
| S 2 | 23 4 | 18 30 | 5 0 | 15 59 | 4 2 | 24 10 | 1 36 | 17 34 | 0 18 | 6 28 | 1 21 | 3 39 | 2 38 | 23 43 | 0 19 | 5 39 | 1 13 | 2 59 | 16 4 | 0 54 | 1 1 | 11 15 | 9 53 | 1 8 |
| M 3 | 23 9 | 17 46 | 4 45 | 16 11 | 3 57 | 24 2 | 1 37 | 17 46 | 0 17 | 6 26 | 1 20 | 3 39 | 2 38 | 23 43 | 0 19 | 5 39 | 1 13 | 2 59 | 16 4 | 0 58 | 1 2 | 11 14 | 9 52 | 1 8 |
| T 4 | 23 13 | 15 53 | 4 11 | 16 23 | 3 52 | 23 54 | 1 38 | 17 58 | 0 16 | 6 24 | 1 20 | 3 39 | 2 38 | 23 42 | 0 19 | 5 39 | 1 13 | 2 59 | 16 4 | 1 1 | 1 3 | 11 12 | 9 52 | 1 8 |
| W 5 | 23 17 | 12 58 | 3 21 | 16 38 | 3 45 | 23 45 | 1 39 | 18 10 | 0 16 | 6 22 | 1 20 | 3 39 | 2 38 | 23 42 | 0 19 | 5 39 | 1 13 | 2 59 | 16 5 | 1 4 | 1 4 | 11 11 | 9 51 | 1 8 |
| T 6 | 23 20 | 9 18 | 2 18 | 16 54 | 3 38 | 23 35 | 1 40 | 18 21 | 0 15 | 6 19 | 1 20 | 3 39 | 2 37 | 23 42 | 0 19 | 5 39 | 1 13 | 2 59 | 16 5 | 1 5 | 1 6 | 11 9 | 9 50 | 1 9 |
| F 7 | 23 23 | 5 7 | 1 7 | 17 11 | 3 30 | 23 24 | 1 41 | 18 32 | 0 14 | 6 17 | 1 20 | 3 39 | 2 37 | 23 42 | 0 19 | 5 39 | 1 13 | 2 59 | 16 5 | 1 5 | 1 7 | 11 8 | 9 50 | 1 9 |
| S 8 | 23 25 | 0 43 | 0n 6 | 17 30 | 3 22 | 23 13 | 1 42 | 18 43 | 0 14 | 6 15 | 1 19 | 3 39 | 2 37 | 23 42 | 0 19 | 5 39 | 1 14 | 2 59 | 16 5 | 1 5 | 1 8 | 11 6 | 9 49 | 1 9 |
| S 9 | 23 27 | 3s39 | 1 18 | 17 50 | 3 13 | 23 1 | 1 42 | 18 54 | 0 13 | 6 12 | 1 19 | 3 39 | 2 37 | 23 42 | 0 19 | 5 39 | 1 14 | 2 59 | 16 5 | 1 6 | 1 9 | 11 5 | 9 48 | 1 9 |
| M10 | 23 29 | 7 45 | 2 25 | 18 10 | 3 3 | 22 48 | 1 43 | 19 5 | 0 12 | 6 10 | 1 19 | 3 40 | 2 36 | 23 42 | 0 19 | 5 39 | 1 14 | 2 59 | 16 6 | 1 6 | 1 11 | 11 3 | 9 48 | 1 9 |
| T 11 | 23 30 | 11 24 | 3 22 | 18 32 | 2 53 | 22 35 | 1 43 | 19 16 | 0 12 | 6 7 | 1 19 | 3 40 | 2 36 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 6 | 1 8 | 1 12 | 11 2 | 9 47 | 1 10 |
| W12 | 23 31 | 14 26 | 4 8 | 18 54 | 2 42 | 22 21 | 1 44 | 19 26 | 0 11 | 6 4 | 1 18 | 3 40 | 2 36 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 6 | 1 11 | 1 13 | 11 0 | 9 47 | 1 10 |
| T 13 | 23 31 | 16 41 | 4 40 | 19 16 | 2 31 | 22 7 | 1 44 | 19 36 | 0 10 | 6 2 | 1 18 | 3 41 | 2 36 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 6 | 1 15 | 1 14 | 10 59 | 9 46 | 1 10 |
| F 14 | 23 31 | 18 3 | 4 57 | 19 39 | 2 20 | 21 52 | 1 44 | 19 46 | 0 9 | 5 59 | 1 18 | 3 41 | 2 35 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 7 | 1 19 | 1 16 | 10 57 | 9 46 | 1 10 |
| S 15 | 23 31 | 18 32 | 4 59 | 20 2 | 2 8 | 21 36 | 1 45 | 19 56 | 0 9 | 5 56 | 1 18 | 3 41 | 2 35 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 7 | 1 24 | 1 17 | 10 56 | 9 46 | 1 10 |
| S 16 | 23 30 | 18 6 | 4 48 | 20 26 | 1 56 | 21 20 | 1 45 | 20 6 | 0 8 | 5 53 | 1 18 | 3 42 | 2 35 | 23 41 | 0 19 | 5 39 | 1 14 | 2 59 | 16 7 | 1 30 | 1 18 | 10 54 | 9 45 | 1 11 |
| M17 | 23 28 | 16 50 | 4 23 | 20 49 | 1 44 | 21 3 | 1 45 | 20 15 | 0 7 | 5 50 | 1 17 | 3 42 | 2 35 | 23 40 | 0 19 | 5 39 | 1 14 | 2 59 | 16 8 | 1 34 | 1 20 | 10 53 | 9 45 | 1 11 |
| T 18 | 23 27 | 14 50 | 3 46 | 21 12 | 1 31 | 20 46 | 1 45 | 20 25 | 0 7 | 5 47 | 1 17 | 3 43 | 2 34 | 23 40 | 0 19 | 5 40 | 1 14 | 2 59 | 16 8 | 1 38 | 1 21 | 10 51 | 9 45 | 1 11 |
| W19 | 23 25 | 12 13 | 3 0 | 21 34 | 1 19 | 20 28 | 1 45 | 20 34 | 0 6 | 5 44 | 1 17 | 3 43 | 2 34 | 23 40 | 0 19 | 5 40 | 1 14 | 2 59 | 16 8 | 1 41 | 1 22 | 10 50 | 9 45 | 1 11 |
| T 20 | 23 22 | 9 8 | 2 6 | 21 56 | 1 6 | 20 9 | 1 45 | 20 43 | 0 5 | 5 41 | 1 17 | 3 44 | 2 34 | 23 40 | 0 19 | 5 40 | 1 14 | 2 59 | 16 8 | 1 43 | 1 23 | 10 48 | 9 45 | 1 11 |
| F 21 | 23 19 | 5 41 | 1 7 | 22 16 | 0 53 | 19 50 | 1 44 | 20 51 | 0 5 | 5 38 | 1 17 | 3 45 | 2 34 | 23 40 | 0 19 | 5 40 | 1 14 | 2 59 | 16 9 | 1 44 | 1 25 | 10 47 | 9 44 | 1 12 |
| S 22 | 23 16 | 2 0 | 0 4 | 22 36 | 0 41 | 19 31 | 1 44 | 21 0 | 0 4 | 5 35 | 1 16 | 3 45 | 2 33 | 23 39 | 0 19 | 5 40 | 1 14 | 2 59 | 16 9 | 1 44 | 1 26 | 10 45 | 9 44 | 1 12 |
| S 23 | 23 12 | 1n49 | 0s59 | 22 54 | 0 28 | 19 11 | 1 44 | 21 8 | 0 3 | 5 32 | 1 16 | 3 46 | 2 33 | 23 39 | 0 19 | 5 40 | 1 14 | 2 59 | 16 9 | 1 44 | 1 27 | 10 44 | 9 44 | 1 12 |
| M24 | 23 8 | 5 37 | 2 1 | 23 11 | 0 16 | 18 50 | 1 43 | 21 16 | 0 2 | 5 28 | 1 16 | 3 47 | 2 33 | 23 39 | 0 19 | 5 40 | 1 14 | 2 59 | 16 10 | 1 44 | 1 28 | 10 42 | 9 44 | 1 12 |
| T 25 | 23 3 | 9 17 | 2 59 | 23 25 | 0 4 | 18 29 | 1 42 | 21 24 | 0 2 | 5 25 | 1 16 | 3 48 | 2 32 | 23 39 | 0 19 | 5 41 | 1 14 | 2 59 | 16 10 | 1 45 | 1 30 | 10 41 | 9 44 | 1 12 |
| W26 | 22 58 | 12 36 | 3 49 | 23 38 | 0n 7 | 18 8 | 1 42 | 21 32 | 0 1 | 5 22 | 1 16 | 3 48 | 2 32 | 23 39 | 0 19 | 5 41 | 1 14 | 2 59 | 16 10 | 1 46 | 1 31 | 10 39 | 9 44 | 1 12 |
| T 27 | 22 53 | 15 24 | 4 29 | 23 49 | 0 18 | 17 45 | 1 41 | 21 40 | 0 0 | 5 18 | 1 16 | 3 49 | 2 32 | 23 39 | 0 19 | 5 41 | 1 14 | 2 59 | 16 10 | 1 49 | 1 32 | 10 38 | 9 45 | 1 13 |
| F 28 | 22 47 | 17 25 | 4 54 | 23 57 | 0 29 | 17 23 | 1 40 | 21 47 | 0n 0 | 5 15 | 1 15 | 3 50 | 2 32 | 23 38 | 0 19 | 5 41 | 1 15 | 2 59 | 16 11 | 1 52 | 1 33 | 10 36 | 9 45 | 1 13 |
| S 29 | 22 41 | 18 25 | 5 3 | 24 3 | 0 39 | 17 0 | 1 39 | 21 54 | 0 1 | 5 11 | 1 15 | 3 51 | 2 31 | 23 38 | 0 19 | 5 42 | 1 15 | 2 59 | 16 11 | 1 56 | 1 35 | 10 35 | 9 45 | 1 13 |
| S 30 | 22n35 | 18n14 | 4s51 | 24n 7 | 0n49 | 16n37 | 1n38 | 22n 1 | 0n 2 | 5n 8 | 1n15 | 3s52 | 2n31 | 23n38 | 0n19 | 5s42 | 1s15 | 2s59 | 16s11 | 2n 0 | 1n36 | 10s33 | 9s45 | 1n13 |

Julian Day Number = 2219410.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'29, Lahiri = 14°59'30 Julian Calendar 1 June 1364 == Greg. Calendar 9 June 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## JULY 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 9 10 | 16♋47'10 | 25♋40 | 9♋46 | 20♌34 | 10♊26 | 20♍ 8 | 15♎43 | 7♋29 | 18°R31 | 2♉ 4 | 24°R50 | 25♍56 | 25♒47 | 28♎17 | M 1 |
| T 2 | 19 13 6 | 17°44'26 | 10♌39 | 11°53 | 21°45 | 11° 6 | 20°16 | 15°45 | 7°33 | 18♓31 | 2° 5 | 24♍42 | 25°53 | 25°54 | 28°18 | T 2 |
| W 3 | 19 17 3 | 18°41'43 | 25°34 | 14° 1 | 22°57 | 11°47 | 20°25 | 15°47 | 7°36 | 18°30 | 2° 5 | 24°36 | 25°50 | 26° 0 | 28°20 | W 3 |
| T 4 | 19 21 0 | 19°38'59 | 10♍18 | 16° 9 | 24° 8 | 12°28 | 20°34 | 15°49 | 7°40 | 18°29 | 2° 6 | 24°34 | 25°47 | 26° 7 | 28°21 | T 4 |
| F 5 | 19 24 56 | 20°36'17 | 24°46 | 18°16 | 25°19 | 13° 9 | 20°43 | 15°52 | 7°43 | 18°29 | 2° 6 | 24°D33 | 25°43 | 26°14 | 28°23 | F 5 |
| S 6 | 19 28 53 | 21°33'34 | 8♎54 | 20°24 | 26°30 | 13°50 | 20°53 | 15°54 | 7°47 | 18°28 | 2° 7 | 24°33 | 25°40 | 26°20 | 28°25 | S 6 |
| S 7 | 19 32 49 | 22°30'52 | 22°41 | 22°31 | 27°41 | 14°30 | 21° 2 | 15°57 | 7°51 | 18°27 | 2° 7 | 24°R34 | 25°37 | 26°27 | 28°27 | S 7 |
| M 8 | 19 36 46 | 23°28'10 | 6♏10 | 24°37 | 28°52 | 15°11 | 21°11 | 15°59 | 7°54 | 18°26 | 2° 7 | 24°33 | 25°34 | 26°34 | 28°29 | M 8 |
| T 9 | 19 40 42 | 24°25'29 | 19°22 | 26°42 | 0♍ 3 | 15°51 | 21°21 | 16° 2 | 7°58 | 18°26 | 2° 8 | 24°30 | 25°31 | 26°40 | 28°31 | T 9 |
| W10 | 19 44 39 | 25°22'48 | 2♐18 | 28°47 | 1°14 | 16°32 | 21°30 | 16° 5 | 8° 1 | 18°25 | 2° 8 | 24°25 | 25°27 | 26°47 | 28°33 | W10 |
| T 11 | 19 48 35 | 26°20'08 | 15° 1 | 0♌50 | 2°25 | 17°12 | 21°40 | 16° 8 | 8° 5 | 18°24 | 2° 8 | 24°18 | 25°24 | 26°54 | 28°35 | T 11 |
| F 12 | 19 52 32 | 27°17'29 | 27°32 | 2°51 | 3°36 | 17°52 | 21°50 | 16°11 | 8° 8 | 18°23 | 2° 9 | 24° 9 | 25°21 | 27° 0 | 28°38 | F 12 |
| S 13 | 19 56 29 | 28°14'50 | 9♑53 | 4°52 | 4°47 | 18°33 | 22° 0 | 16°14 | 8°12 | 18°22 | 2° 9 | 23°59 | 25°18 | 27° 7 | 28°40 | S 13 |
| S 14 | 20 0 25 | 29°12'12 | 22° 4 | 6°51 | 5°57 | 19°13 | 22°10 | 16°17 | 8°15 | 18°21 | 2° 9 | 23°49 | 25°15 | 27°14 | 28°43 | S 14 |
| M15 | 20 4 22 | 0♌ 9'35 | 4♒ 6 | 8°48 | 7° 8 | 19°53 | 22°20 | 16°20 | 8°18 | 18°20 | 2° 9 | 23°40 | 25°12 | 27°20 | 28°45 | M15 |
| T 16 | 20 8 18 | 1° 6'59 | 16° 2 | 10°44 | 8°18 | 20°33 | 22°30 | 16°24 | 8°22 | 18°19 | 2° 9 | 23°32 | 25° 8 | 27°27 | 28°48 | T 16 |
| W17 | 20 12 15 | 2° 4'23 | 27°52 | 12°38 | 9°29 | 21°13 | 22°40 | 16°27 | 8°25 | 18°18 | 2°10 | 23°27 | 25° 5 | 27°34 | 28°51 | W17 |
| T 18 | 20 16 11 | 3° 1'49 | 9♓40 | 14°31 | 10°39 | 21°53 | 22°50 | 16°31 | 8°29 | 18°17 | 2°10 | 23°24 | 25° 2 | 27°40 | 28°54 | T 18 |
| F 19 | 20 20 8 | 3°59'16 | 21°27 | 16°22 | 11°50 | 22°33 | 23° 1 | 16°34 | 8°32 | 18°16 | 2°10 | 23°D22 | 24°59 | 27°47 | 28°57 | F 19 |
| S 20 | 20 24 4 | 4°56'45 | 3♈19 | 18°12 | 13° 0 | 23°13 | 23°11 | 16°38 | 8°35 | 18°15 | 2°10 | 23°23 | 24°56 | 27°54 | 29° 0 | S 20 |
| S 21 | 20 28 1 | 5°54'14 | 15°19 | 20° 0 | 14°10 | 23°52 | 23°22 | 16°42 | 8°39 | 18°14 | 2°10 | 23°24 | 24°53 | 28° 0 | 29° 4 | S 21 |
| M22 | 20 31 58 | 6°51'45 | 27°33 | 21°47 | 15°20 | 24°32 | 23°32 | 16°45 | 8°42 | 18°13 | 2°10 | 23°25 | 24°49 | 28° 7 | 29° 7 | M22 |
| T 23 | 20 35 54 | 7°49'18 | 10♉ 4 | 23°32 | 16°30 | 25°12 | 23°43 | 16°49 | 8°45 | 18°12 | 2°10 | 23°R26 | 24°46 | 28°14 | 29°11 | T 23 |
| W24 | 20 39 51 | 8°46'52 | 22°58 | 25°15 | 17°40 | 25°51 | 23°54 | 16°53 | 8°49 | 18°11 | 2°R10 | 23°25 | 24°43 | 28°20 | 29°14 | W24 |
| T 25 | 20 43 47 | 9°44'27 | 6♊18 | 26°57 | 18°50 | 26°31 | 24° 5 | 16°57 | 8°52 | 18° 9 | 2°10 | 23°22 | 24°40 | 28°27 | 29°18 | T 25 |
| F 26 | 20 47 44 | 10°42'04 | 20° 7 | 28°38 | 20° 0 | 27°10 | 24°16 | 17° 1 | 8°55 | 18° 8 | 2°10 | 23°17 | 24°37 | 28°34 | 29°21 | F 26 |
| S 27 | 20 51 40 | 11°39'42 | 4♋24 | 0♍16 | 21°10 | 27°49 | 24°27 | 17° 6 | 8°58 | 18° 7 | 2°10 | 23°12 | 24°33 | 28°40 | 29°25 | S 27 |
| S 28 | 20 55 37 | 12°37'22 | 19° 7 | 1°54 | 22°19 | 28°29 | 24°38 | 17°10 | 9° 2 | 18° 6 | 2°10 | 23° 6 | 24°30 | 28°47 | 29°29 | S 28 |
| M29 | 20 59 33 | 13°35'04 | 4♌ 8 | 3°30 | 23°29 | 29° 8 | 24°49 | 17°14 | 9° 5 | 18° 4 | 2°10 | 23° 0 | 24°27 | 28°53 | 29°33 | M29 |
| T 30 | 21 3 30 | 14°32'46 | 19°18 | 5° 4 | 24°39 | 29°47 | 25° 0 | 17°19 | 9° 8 | 18° 3 | 2°10 | 22°55 | 24°24 | 29° 0 | 29°37 | T 30 |
| W31 | 21 7 27 | 15♌30'30 | 4♍29 | 6♍37 | 25♍48 | 0♋26 | 25♍11 | 17♎23 | 9♋11 | 18♓ 2 | 2♉10 | 22♍52 | 24♍21 | 29♒ 7 | 29♎42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n28 | 16n49 | 4s20 | 24n 7 | 0n58 | 16n13 | 1n37 | 22n 8 | 0n 3 | 5n 4 | 1n15 | 3s53 | 2n31 | 23n38 | 0n19 | 5s42 | 1s15 | 3s 0 | 16s12 | 2n 4 | 1n37 | 10s32 | 9s46 | 1n13 |
| T 2 | 22 20 | 14 14 | 3 31 | 24 5 | 1 6 | 15 49 | 1 36 | 22 14 | 0 3 | 5 1 | 1 15 | 3 54 | 2 31 | 23 38 | 0 19 | 5 42 | 1 15 | 3 0 | 16 12 | 2 7 | 1 39 | 10 30 | 9 46 | 1 13 |
| W 3 | 22 13 | 10 43 | 2 28 | 24 0 | 1 14 | 15 24 | 1 35 | 22 21 | 0 4 | 4 57 | 1 15 | 3 55 | 2 30 | 23 37 | 0 19 | 5 43 | 1 15 | 3 0 | 16 12 | 2 9 | 1 40 | 10 29 | 9 46 | 1 14 |
| T 4 | 22 4 | 6 34 | 1 15 | 23 52 | 1 20 | 14 59 | 1 33 | 22 27 | 0 5 | 4 53 | 1 14 | 3 56 | 2 30 | 23 37 | 0 19 | 5 43 | 1 15 | 3 0 | 16 12 | 2 10 | 1 41 | 10 27 | 9 47 | 1 14 |
| F 5 | 21 56 | 2 6 | 0n 1 | 23 42 | 1 27 | 14 34 | 1 32 | 22 33 | 0 6 | 4 49 | 1 14 | 3 57 | 2 30 | 23 37 | 0 19 | 5 43 | 1 15 | 3 0 | 16 13 | 2 10 | 1 42 | 10 26 | 9 47 | 1 14 |
| S 6 | 21 47 | 2s22 | 1 16 | 23 29 | 1 32 | 14 8 | 1 30 | 22 38 | 0 6 | 4 46 | 1 14 | 3 59 | 2 30 | 23 37 | 0 19 | 5 43 | 1 15 | 3 0 | 16 13 | 2 10 | 1 44 | 10 24 | 9 48 | 1 14 |
| S 7 | 21 38 | 6 37 | 2 24 | 23 13 | 1 36 | 13 42 | 1 29 | 22 44 | 0 7 | 4 42 | 1 14 | 4 0 | 2 29 | 23 37 | 0 19 | 5 44 | 1 15 | 3 0 | 16 13 | 2 10 | 1 45 | 10 23 | 9 48 | 1 14 |
| M 8 | 21 28 | 10 25 | 3 23 | 22 55 | 1 40 | 13 16 | 1 27 | 22 49 | 0 8 | 4 38 | 1 14 | 4 1 | 2 29 | 23 36 | 0 19 | 5 44 | 1 15 | 3 1 | 16 14 | 2 10 | 1 46 | 10 21 | 9 49 | 1 14 |
| T 9 | 21 18 | 13 37 | 4 10 | 22 34 | 1 43 | 12 49 | 1 25 | 22 54 | 0 8 | 4 34 | 1 14 | 4 2 | 2 29 | 23 36 | 0 19 | 5 45 | 1 15 | 3 1 | 16 14 | 2 11 | 1 47 | 10 20 | 9 49 | 1 15 |
| W10 | 21 8 | 16 4 | 4 43 | 22 11 | 1 45 | 12 22 | 1 23 | 22 59 | 0 9 | 4 30 | 1 13 | 4 4 | 2 29 | 23 36 | 0 19 | 5 45 | 1 15 | 3 1 | 16 14 | 2 13 | 1 49 | 10 18 | 9 50 | 1 15 |
| T 11 | 20 57 | 17 41 | 5 1 | 21 46 | 1 47 | 11 55 | 1 21 | 23 4 | 0 10 | 4 26 | 1 13 | 4 5 | 2 28 | 23 36 | 0 19 | 5 45 | 1 15 | 3 1 | 16 15 | 2 16 | 1 50 | 10 17 | 9 50 | 1 15 |
| F 12 | 20 46 | 18 25 | 5 5 | 21 20 | 1 47 | 11 27 | 1 19 | 23 9 | 0 11 | 4 22 | 1 13 | 4 6 | 2 28 | 23 36 | 0 20 | 5 46 | 1 15 | 3 1 | 16 15 | 2 20 | 1 51 | 10 15 | 9 51 | 1 15 |
| S 13 | 20 35 | 18 16 | 4 54 | 20 51 | 1 48 | 10 59 | 1 17 | 23 13 | 0 11 | 4 18 | 1 13 | 4 8 | 2 28 | 23 35 | 0 20 | 5 46 | 1 15 | 3 2 | 16 15 | 2 24 | 1 52 | 10 13 | 9 52 | 1 15 |
| S 14 | 20 23 | 17 16 | 4 29 | 20 21 | 1 47 | 10 31 | 1 15 | 23 17 | 0 12 | 4 14 | 1 13 | 4 9 | 2 28 | 23 35 | 0 20 | 5 46 | 1 15 | 3 2 | 16 16 | 2 28 | 1 54 | 10 12 | 9 53 | 1 15 |
| M15 | 20 11 | 15 31 | 3 53 | 19 49 | 1 46 | 10 3 | 1 13 | 23 21 | 0 13 | 4 10 | 1 13 | 4 11 | 2 27 | 23 35 | 0 20 | 5 47 | 1 15 | 3 2 | 16 16 | 2 32 | 1 55 | 10 10 | 9 53 | 1 16 |
| T 16 | 19 59 | 13 6 | 3 7 | 19 16 | 1 44 | 9 34 | 1 10 | 23 25 | 0 14 | 4 6 | 1 13 | 4 12 | 2 27 | 23 35 | 0 20 | 5 47 | 1 15 | 3 2 | 16 16 | 2 35 | 1 56 | 10 9 | 9 54 | 1 16 |
| W17 | 19 46 | 10 10 | 2 13 | 18 42 | 1 42 | 9 5 | 1 8 | 23 28 | 0 14 | 4 2 | 1 12 | 4 14 | 2 27 | 23 35 | 0 20 | 5 48 | 1 15 | 3 3 | 16 17 | 2 37 | 1 58 | 10 7 | 9 55 | 1 16 |
| T 18 | 19 33 | 6 50 | 1 13 | 18 6 | 1 39 | 8 36 | 1 5 | 23 31 | 0 15 | 3 57 | 1 12 | 4 15 | 2 27 | 23 34 | 0 20 | 5 48 | 1 15 | 3 3 | 16 17 | 2 38 | 1 59 | 10 6 | 9 56 | 1 16 |
| F 19 | 19 19 | 3 14 | 0 10 | 17 30 | 1 36 | 8 7 | 1 3 | 23 34 | 0 16 | 3 53 | 1 12 | 4 17 | 2 26 | 23 34 | 0 20 | 5 49 | 1 15 | 3 3 | 16 17 | 2 38 | 2 0 | 10 4 | 9 57 | 1 16 |
| S 20 | 19 6 | 0n30 | 0s54 | 16 53 | 1 32 | 7 37 | 1 0 | 23 37 | 0 17 | 3 49 | 1 12 | 4 18 | 2 26 | 23 34 | 0 20 | 5 49 | 1 15 | 3 3 | 16 18 | 2 38 | 2 1 | 10 3 | 9 58 | 1 16 |
| S 21 | 18 52 | 4 16 | 1 56 | 16 15 | 1 27 | 7 8 | 0 57 | 23 40 | 0 18 | 3 45 | 1 12 | 4 20 | 2 26 | 23 34 | 0 20 | 5 49 | 1 16 | 3 4 | 16 18 | 2 38 | 2 3 | 10 1 | 9 59 | 1 17 |
| M22 | 18 37 | 7 55 | 2 54 | 15 36 | 1 23 | 6 38 | 0 54 | 23 43 | 0 18 | 3 40 | 1 12 | 4 22 | 2 26 | 23 34 | 0 20 | 5 50 | 1 16 | 3 4 | 16 18 | 2 37 | 2 4 | 10 0 | 10 0 | 1 17 |
| T 23 | 18 22 | 11 18 | 3 46 | 14 57 | 1 18 | 6 8 | 0 51 | 23 45 | 0 19 | 3 36 | 1 12 | 4 23 | 2 26 | 23 33 | 0 20 | 5 50 | 1 16 | 3 4 | 16 18 | 2 37 | 2 5 | 9 58 | 10 1 | 1 17 |
| W24 | 18 7 | 14 15 | 4 28 | 14 17 | 1 12 | 5 38 | 0 48 | 23 47 | 0 20 | 3 32 | 1 11 | 4 25 | 2 25 | 23 33 | 0 20 | 5 51 | 1 16 | 3 4 | 16 19 | 2 38 | 2 6 | 9 57 | 10 2 | 1 17 |
| T 25 | 17 52 | 16 34 | 4 57 | 13 36 | 1 6 | 5 8 | 0 45 | 23 49 | 0 21 | 3 27 | 1 11 | 4 27 | 2 25 | 23 33 | 0 20 | 5 51 | 1 16 | 3 5 | 16 19 | 2 39 | 2 8 | 9 55 | 10 3 | 1 17 |
| F 26 | 17 37 | 18 0 | 5 10 | 12 56 | 1 0 | 4 37 | 0 42 | 23 51 | 0 21 | 3 23 | 1 11 | 4 29 | 2 25 | 23 33 | 0 20 | 5 52 | 1 16 | 3 5 | 16 19 | 2 40 | 2 9 | 9 53 | 10 5 | 1 17 |
| S 27 | 17 21 | 18 23 | 5 4 | 12 15 | 0 54 | 4 7 | 0 39 | 23 52 | 0 22 | 3 18 | 1 11 | 4 31 | 2 25 | 23 33 | 0 20 | 5 52 | 1 16 | 3 5 | 16 20 | 2 43 | 2 10 | 9 52 | 10 6 | 1 17 |
| S 28 | 17 5 | 17 33 | 4 39 | 11 34 | 0 47 | 3 36 | 0 36 | 23 54 | 0 23 | 3 14 | 1 11 | 4 32 | 2 24 | 23 32 | 0 20 | 5 53 | 1 16 | 3 6 | 16 20 | 2 45 | 2 11 | 9 50 | 10 7 | 1 18 |
| M29 | 16 48 | 15 30 | 3 54 | 10 52 | 0 40 | 3 5 | 0 32 | 23 55 | 0 24 | 3 9 | 1 11 | 4 34 | 2 24 | 23 32 | 0 20 | 5 54 | 1 16 | 3 6 | 16 20 | 2 47 | 2 13 | 9 49 | 10 8 | 1 18 |
| T 30 | 16 31 | 12 21 | 2 53 | 10 11 | 0 32 | 2 35 | 0 29 | 23 56 | 0 24 | 3 5 | 1 11 | 4 36 | 2 24 | 23 32 | 0 20 | 5 54 | 1 16 | 3 6 | 16 21 | 2 49 | 2 14 | 9 47 | 10 10 | 1 18 |
| W31 | 16n14 | 8n22 | 1s39 | 9n30 | 0n25 | 2n 4 | 0n25 | 23n56 | 0n25 | 3n 0 | 1n11 | 4s38 | 2n24 | 23n32 | 0n20 | 5s55 | 1s16 | 3s 7 | 16s21 | 2n50 | 2n15 | 9s46 | 10s11 | 1n18 |

Julian Day Number = 2219440.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'33, Lahiri = 14°59'34 Julian Calendar 1 July 1364 == Greg. Calendar 9 July 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## AUGUST 1364 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 11 23 | 16♌28'15 | 19♍29 | 8♍ 9 | 26♍57 | 1♋ 5 | 25♍23 | 17♎28 | 9♋14 | 18°R 0 | 2°R10 | 22°D51 | 24♍18 | 29♒13 | 29♎46 | T 1 |
| F 2 | 21 15 20 | 17°26'02 | 4♎13 | 9°39 | 28° 7 | 1°44 | 25°34 | 17°33 | 9°17 | 17♓59 | 2♉ 9 | 22♍52 | 24°14 | 29°20 | 29°50 | F 2 |
| S 3 | 21 19 16 | 18°23'49 | 18°34 | 11° 7 | 29°16 | 2°23 | 25°46 | 17°37 | 9°20 | 17°58 | 2° 9 | 22°53 | 24°11 | 29°27 | 29°55 | S 3 |
| S 4 | 21 23 13 | 19°21'38 | 2♏31 | 12°34 | 0♎25 | 3° 1 | 25°57 | 17°42 | 9°23 | 17°56 | 2° 9 | 22°54 | 24° 8 | 29°33 | 29°59 | S 4 |
| M 5 | 21 27 9 | 20°19'28 | 16° 3 | 14° 0 | 1°34 | 3°40 | 26° 9 | 17°47 | 9°26 | 17°55 | 2° 9 | 22°R55 | 24° 5 | 29°40 | 0♏ 4 | M 5 |
| T 6 | 21 31 6 | 21°17'19 | 29°13 | 15°23 | 2°43 | 4°19 | 26°20 | 17°52 | 9°29 | 17°53 | 2° 8 | 22°55 | 24° 2 | 29°47 | 0° 9 | T 6 |
| W 7 | 21 35 2 | 22°15'12 | 12♐ 3 | 16°46 | 3°52 | 4°57 | 26°32 | 17°57 | 9°32 | 17°52 | 2° 8 | 22°53 | 23°59 | 29°53 | 0°13 | W 7 |
| T 8 | 21 38 59 | 23°13'06 | 24°37 | 18° 6 | 5° 0 | 5°36 | 26°44 | 18° 2 | 9°35 | 17°51 | 2° 8 | 22°50 | 23°55 | 0♓ 0 | 0°18 | T 8 |
| F 9 | 21 42 56 | 24°11'01 | 6♑56 | 19°25 | 6° 9 | 6°14 | 26°56 | 18° 7 | 9°38 | 17°49 | 2° 8 | 22°46 | 23°52 | 0° 7 | 0°23 | F 9 |
| S 10 | 21 46 52 | 25° 8'57 | 19° 5 | 20°43 | 7°18 | 6°52 | 27° 8 | 18°12 | 9°40 | 17°48 | 2° 7 | 22°42 | 23°49 | 0°13 | 0°28 | S 10 |
| S 11 | 21 50 49 | 26° 6'55 | 1♒ 6 | 21°58 | 8°26 | 7°31 | 27°19 | 18°18 | 9°43 | 17°46 | 2° 7 | 22°37 | 23°46 | 0°20 | 0°34 | S 11 |
| M12 | 21 54 45 | 27° 4'55 | 13° 0 | 23°12 | 9°34 | 8° 9 | 27°31 | 18°23 | 9°46 | 17°45 | 2° 7 | 22°33 | 23°43 | 0°27 | 0°39 | M12 |
| T 13 | 21 58 42 | 28° 2'56 | 24°50 | 24°24 | 10°42 | 8°47 | 27°43 | 18°28 | 9°49 | 17°43 | 2° 6 | 22°30 | 23°39 | 0°33 | 0°44 | T 13 |
| W14 | 22 2 38 | 29° 0'58 | 6♓39 | 25°34 | 11°50 | 9°25 | 27°56 | 18°34 | 9°51 | 17°41 | 2° 6 | 22°28 | 23°36 | 0°40 | 0°49 | W14 |
| T 15 | 22 6 35 | 29°59'02 | 18°27 | 26°41 | 12°58 | 10° 3 | 28° 8 | 18°39 | 9°54 | 17°40 | 2° 5 | 22°D27 | 23°33 | 0°47 | 0°55 | T 15 |
| F 16 | 22 10 31 | 0♍57'09 | 0♈19 | 27°47 | 14° 6 | 10°41 | 28°20 | 18°45 | 9°57 | 17°38 | 2° 5 | 22°27 | 23°30 | 0°53 | 1° 0 | F 16 |
| S 17 | 22 14 28 | 1°55'17 | 12°15 | 28°50 | 15°14 | 11°19 | 28°32 | 18°50 | 9°59 | 17°37 | 2° 4 | 22°28 | 23°27 | 1° 0 | 1° 6 | S 17 |
| S 18 | 22 18 25 | 2°53'26 | 24°20 | 29°51 | 16°21 | 11°56 | 28°44 | 18°56 | 10° 2 | 17°35 | 2° 4 | 22°29 | 23°24 | 1° 7 | 1°12 | S 18 |
| M19 | 22 22 21 | 3°51'38 | 6♉37 | 0♎50 | 17°29 | 12°34 | 28°57 | 19° 2 | 10° 4 | 17°34 | 2° 3 | 22°31 | 23°20 | 1°13 | 1°17 | M19 |
| T 20 | 22 26 18 | 4°49'52 | 19° 9 | 1°45 | 18°36 | 13°12 | 29° 9 | 19° 8 | 10° 7 | 17°32 | 2° 3 | 22°32 | 23°17 | 1°20 | 1°23 | T 20 |
| W21 | 22 30 14 | 5°48'08 | 2♊ 1 | 2°38 | 19°43 | 13°49 | 29°21 | 19°14 | 10° 9 | 17°30 | 2° 2 | 22°R33 | 23°14 | 1°27 | 1°29 | W21 |
| T 22 | 22 34 11 | 6°46'27 | 15°16 | 3°28 | 20°50 | 14°27 | 29°34 | 19°19 | 10°11 | 17°29 | 2° 2 | 22°32 | 23°11 | 1°33 | 1°35 | T 22 |
| F 23 | 22 38 7 | 7°44'47 | 28°57 | 4°14 | 21°57 | 15° 4 | 29°46 | 19°25 | 10°14 | 17°27 | 2° 1 | 22°32 | 23° 8 | 1°40 | 1°41 | F 23 |
| S 24 | 22 42 4 | 8°43'09 | 13♋ 4 | 4°57 | 23° 4 | 15°41 | 29°59 | 19°31 | 10°16 | 17°25 | 2° 1 | 22°30 | 23° 4 | 1°47 | 1°47 | S 24 |
| S 25 | 22 46 0 | 9°41'34 | 27°35 | 5°37 | 24°11 | 16°19 | 0♎11 | 19°37 | 10°18 | 17°24 | 2° 0 | 22°29 | 23° 1 | 1°53 | 1°53 | S 25 |
| M26 | 22 49 57 | 10°40'01 | 12♌28 | 6°12 | 25°17 | 16°56 | 0°24 | 19°43 | 10°21 | 17°22 | 1°59 | 22°27 | 22°58 | 2° 0 | 1°59 | M26 |
| T 27 | 22 53 54 | 11°38'29 | 27°34 | 6°42 | 26°23 | 17°33 | 0°37 | 19°50 | 10°23 | 17°21 | 1°59 | 22°26 | 22°55 | 2° 7 | 2° 5 | T 27 |
| W28 | 22 57 50 | 12°37'00 | 12♍46 | 7° 8 | 27°30 | 18°10 | 0°49 | 19°56 | 10°25 | 17°19 | 1°58 | 22°26 | 22°52 | 2°13 | 2°12 | W28 |
| T 29 | 23 1 47 | 13°35'33 | 27°53 | 7°29 | 28°36 | 18°47 | 1° 2 | 20° 2 | 10°27 | 17°17 | 1°57 | 22°D26 | 22°49 | 2°20 | 2°18 | T 29 |
| F 30 | 23 5 43 | 14°34'07 | 12♎46 | 7°45 | 29°41 | 19°23 | 1°15 | 20° 8 | 10°29 | 17°16 | 1°57 | 22°26 | 22°45 | 2°26 | 2°25 | F 30 |
| S 31 | 23 9 40 | 15♍32'43 | 27♎19 | 7♎55 | 0♏47 | 20♋ 0 | 1♎27 | 20♎15 | 10♋31 | 17♓14 | 1♉56 | 22♍26 | 22♍42 | 2♓33 | 2♏31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n57 | 3n54 | 0s18 | 8n48 | 0n17 | 1n33 | 0n22 | 23n57 | 0n26 | 2n55 | 1n11 | 4s40 | 2n24 | 23n32 | 0n20 | 5s55 | 1s16 | 3s 7 | 16s21 | 2n51 | 2n16 | 9s44 | 10s12 | 1n18 |
| F 2 | 15 40 | 0s44 | 1n 2 | 8 7 | 0 9 | 1 2 | 0 18 | 23 57 | 0 27 | 2 51 | 1 10 | 4 42 | 2 23 | 23 31 | 0 20 | 5 56 | 1 16 | 3 7 | 16 22 | 2 51 | 2 18 | 9 43 | 10 14 | 1 18 |
| S 3 | 15 22 | 5 12 | 2 16 | 7 26 | 0 1 | 0 31 | 0 14 | 23 58 | 0 28 | 2 46 | 1 10 | 4 44 | 2 23 | 23 31 | 0 20 | 5 56 | 1 16 | 3 8 | 16 22 | 2 50 | 2 19 | 9 41 | 10 15 | 1 19 |
| S 4 | 15 4 | 9 15 | 3 20 | 6 45 | 0s 8 | 0s 0 | 0 11 | 23 57 | 0 28 | 2 41 | 1 10 | 4 46 | 2 23 | 23 31 | 0 20 | 5 57 | 1 16 | 3 8 | 16 22 | 2 50 | 2 20 | 9 39 | 10 17 | 1 19 |
| M 5 | 14 46 | 12 41 | 4 11 | 6 4 | 0 16 | 0 31 | 0 7 | 23 57 | 0 29 | 2 37 | 1 10 | 4 48 | 2 23 | 23 31 | 0 20 | 5 57 | 1 16 | 3 8 | 16 23 | 2 49 | 2 22 | 9 38 | 10 18 | 1 19 |
| T 6 | 14 27 | 15 23 | 4 47 | 5 24 | 0 25 | 1 2 | 0 3 | 23 57 | 0 30 | 2 32 | 1 10 | 4 50 | 2 23 | 23 31 | 0 20 | 5 58 | 1 16 | 3 9 | 16 23 | 2 49 | 2 23 | 9 36 | 10 20 | 1 19 |
| W 7 | 14 8 | 17 14 | 5 8 | 4 44 | 0 34 | 1 33 | 0s 1 | 23 56 | 0 31 | 2 27 | 1 10 | 4 52 | 2 22 | 23 30 | 0 20 | 5 59 | 1 16 | 3 9 | 16 23 | 2 50 | 2 24 | 9 35 | 10 21 | 1 19 |
| T 8 | 13 49 | 18 12 | 5 13 | 4 4 | 0 43 | 2 4 | 0 5 | 23 56 | 0 32 | 2 22 | 1 10 | 4 54 | 2 22 | 23 30 | 0 20 | 5 59 | 1 16 | 3 10 | 16 23 | 2 51 | 2 25 | 9 33 | 10 23 | 1 19 |
| F 9 | 13 30 | 18 17 | 5 4 | 3 25 | 0 52 | 2 35 | 0 9 | 23 55 | 0 32 | 2 18 | 1 10 | 4 56 | 2 22 | 23 30 | 0 20 | 6 0 | 1 16 | 3 10 | 16 24 | 2 53 | 2 27 | 9 32 | 10 24 | 1 20 |
| S 10 | 13 11 | 17 31 | 4 41 | 2 46 | 1 1 | 3 6 | 0 13 | 23 54 | 0 33 | 2 13 | 1 10 | 4 59 | 2 22 | 23 30 | 0 20 | 6 0 | 1 16 | 3 10 | 16 24 | 2 54 | 2 28 | 9 30 | 10 26 | 1 20 |
| S 11 | 12 51 | 15 59 | 4 6 | 2 8 | 1 10 | 3 37 | 0 17 | 23 52 | 0 34 | 2 8 | 1 10 | 5 1 | 2 22 | 23 30 | 0 20 | 6 1 | 1 16 | 3 11 | 16 24 | 2 56 | 2 29 | 9 28 | 10 28 | 1 20 |
| M12 | 12 32 | 13 46 | 3 20 | 1 30 | 1 19 | 4 8 | 0 21 | 23 51 | 0 35 | 2 3 | 1 10 | 5 3 | 2 21 | 23 30 | 0 20 | 6 2 | 1 16 | 3 11 | 16 25 | 2 58 | 2 30 | 9 27 | 10 29 | 1 20 |
| T 13 | 12 11 | 10 59 | 2 26 | 0 53 | 1 28 | 4 39 | 0 26 | 23 49 | 0 36 | 1 58 | 1 9 | 5 5 | 2 21 | 23 29 | 0 20 | 6 2 | 1 16 | 3 12 | 16 25 | 2 59 | 2 32 | 9 25 | 10 31 | 1 20 |
| W14 | 11 51 | 7 46 | 1 26 | 0 17 | 1 37 | 5 9 | 0 30 | 23 47 | 0 36 | 1 53 | 1 9 | 5 7 | 2 21 | 23 29 | 0 20 | 6 3 | 1 16 | 3 12 | 16 25 | 3 0 | 2 33 | 9 24 | 10 33 | 1 20 |
| T 15 | 11 31 | 4 15 | 0 22 | 0s19 | 1 47 | 5 40 | 0 34 | 23 45 | 0 37 | 1 48 | 1 9 | 5 10 | 2 21 | 23 29 | 0 20 | 6 4 | 1 16 | 3 12 | 16 25 | 3 0 | 2 34 | 9 22 | 10 34 | 1 20 |
| F 16 | 11 10 | 0 32 | 0s43 | 0 53 | 1 56 | 6 10 | 0 39 | 23 43 | 0 38 | 1 43 | 1 9 | 5 12 | 2 21 | 23 29 | 0 20 | 6 4 | 1 16 | 3 13 | 16 26 | 3 0 | 2 35 | 9 20 | 10 36 | 1 21 |
| S 17 | 10 50 | 3n13 | 1 47 | 1 27 | 2 5 | 6 41 | 0 43 | 23 41 | 0 39 | 1 38 | 1 9 | 5 14 | 2 21 | 23 29 | 0 20 | 6 5 | 1 16 | 3 13 | 16 26 | 3 0 | 2 37 | 9 19 | 10 38 | 1 21 |
| S 18 | 10 29 | 6 52 | 2 47 | 2 0 | 2 14 | 7 11 | 0 48 | 23 38 | 0 40 | 1 33 | 1 9 | 5 16 | 2 20 | 23 28 | 0 20 | 6 5 | 1 16 | 3 14 | 16 26 | 2 59 | 2 38 | 9 17 | 10 40 | 1 21 |
| M19 | 10 8 | 10 17 | 3 41 | 2 31 | 2 23 | 7 41 | 0 52 | 23 36 | 0 41 | 1 29 | 1 9 | 5 19 | 2 20 | 23 28 | 0 20 | 6 6 | 1 16 | 3 14 | 16 27 | 2 59 | 2 39 | 9 16 | 10 42 | 1 21 |
| T 20 | 9 46 | 13 19 | 4 25 | 3 1 | 2 32 | 8 11 | 0 57 | 23 33 | 0 41 | 1 24 | 1 9 | 5 21 | 2 20 | 23 28 | 0 20 | 6 7 | 1 16 | 3 14 | 16 27 | 2 58 | 2 40 | 9 14 | 10 43 | 1 21 |
| W21 | 9 25 | 15 47 | 4 57 | 3 30 | 2 41 | 8 41 | 1 1 | 23 30 | 0 42 | 1 19 | 1 9 | 5 24 | 2 20 | 23 28 | 0 20 | 6 7 | 1 16 | 3 15 | 16 27 | 2 58 | 2 42 | 9 12 | 10 45 | 1 21 |
| T 22 | 9 3 | 17 30 | 5 14 | 3 58 | 2 49 | 9 10 | 1 6 | 23 27 | 0 43 | 1 13 | 1 9 | 5 26 | 2 20 | 23 28 | 0 20 | 6 8 | 1 16 | 3 15 | 16 27 | 2 58 | 2 43 | 9 11 | 10 47 | 1 22 |
| F 23 | 8 42 | 18 16 | 5 15 | 4 24 | 2 57 | 9 40 | 1 10 | 23 23 | 0 44 | 1 8 | 1 9 | 5 28 | 2 20 | 23 28 | 0 20 | 6 9 | 1 16 | 3 16 | 16 28 | 2 58 | 2 44 | 9 9 | 10 49 | 1 22 |
| S 24 | 8 20 | 17 57 | 4 57 | 4 49 | 3 5 | 10 9 | 1 15 | 23 20 | 0 45 | 1 3 | 1 9 | 5 31 | 2 20 | 23 28 | 0 20 | 6 9 | 1 16 | 3 16 | 16 28 | 2 59 | 2 45 | 9 8 | 10 51 | 1 22 |
| S 25 | 7 58 | 16 28 | 4 20 | 5 11 | 3 13 | 10 38 | 1 20 | 23 16 | 0 46 | 0 58 | 1 9 | 5 33 | 2 19 | 23 27 | 0 20 | 6 10 | 1 16 | 3 17 | 16 28 | 3 0 | 2 47 | 9 6 | 10 53 | 1 22 |
| M26 | 7 35 | 13 51 | 3 24 | 5 32 | 3 20 | 11 7 | 1 24 | 23 13 | 0 46 | 0 53 | 1 9 | 5 36 | 2 19 | 23 27 | 0 20 | 6 11 | 1 16 | 3 17 | 16 28 | 3 0 | 2 48 | 9 4 | 10 55 | 1 22 |
| T 27 | 7 13 | 10 16 | 2 14 | 5 51 | 3 27 | 11 36 | 1 29 | 23 9 | 0 47 | 0 48 | 1 8 | 5 38 | 2 19 | 23 27 | 0 20 | 6 11 | 1 16 | 3 17 | 16 29 | 3 1 | 2 49 | 9 3 | 10 57 | 1 22 |
| W28 | 6 51 | 5 58 | 0 53 | 6 7 | 3 34 | 12 4 | 1 34 | 23 5 | 0 48 | 0 43 | 1 8 | 5 40 | 2 19 | 23 27 | 0 20 | 6 12 | 1 16 | 3 18 | 16 29 | 3 1 | 2 51 | 9 1 | 10 59 | 1 23 |
| T 29 | 6 28 | 1 19 | 0n30 | 6 20 | 3 40 | 12 32 | 1 38 | 23 0 | 0 49 | 0 38 | 1 8 | 5 43 | 2 19 | 23 27 | 0 20 | 6 13 | 1 16 | 3 18 | 16 29 | 3 1 | 2 52 | 9 0 | 11 1 | 1 23 |
| F 30 | 6 6 | 3s22 | 1 51 | 6 31 | 3 45 | 13 0 | 1 43 | 22 56 | 0 50 | 0 33 | 1 8 | 5 45 | 2 19 | 23 27 | 0 20 | 6 13 | 1 17 | 3 19 | 16 29 | 3 1 | 2 53 | 8 58 | 11 3 | 1 23 |
| S 31 | 5n43 | 7s43 | 3n 2 | 6s39 | 3s49 | 13s28 | 1s48 | 22n52 | 0n51 | 0n28 | 1n 8 | 5s48 | 2n19 | 23n27 | 0n21 | 6s14 | 1s17 | 3s19 | 16s30 | 3n 1 | 2n54 | 8s56 | 11s 5 | 1n23 |

Julian Day Number = 2219471.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'38, Lahiri = 14°59'38 Julian Calendar 1 Aug. 1364 == Greg. Calendar 9 Aug. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## SEPTEMBER 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 13 36 | 16♍31'21 | 11♏27 | 7°R59 | 1♏53 | 20♋37 | 1♎40 | 20♎21 | 10♋33 | 17°R12 | 1°R55 | 22♍27 | 22♍39 | 2♓40 | 2♏38 | S 1 |
| M 2 | 23 17 33 | 17°30'01 | 25° 9 | 7♎57 | 2°58 | 21°13 | 1°53 | 20°27 | 10°35 | 17♓11 | 1♉54 | 22°28 | 22°36 | 2°46 | 2°44 | M 2 |
| T 3 | 23 21 29 | 18°28'42 | 8♐24 | 7°47 | 4° 3 | 21°50 | 2° 6 | 20°34 | 10°37 | 17° 9 | 1°54 | 22°28 | 22°33 | 2°53 | 2°51 | T 3 |
| W 4 | 23 25 26 | 19°27'26 | 21°16 | 7°31 | 5° 8 | 22°26 | 2°18 | 20°40 | 10°38 | 17° 7 | 1°53 | 22°R28 | 22°30 | 3° 0 | 2°58 | W 4 |
| T 5 | 23 29 22 | 20°26'11 | 3♑47 | 7° 8 | 6°13 | 23° 2 | 2°31 | 20°47 | 10°40 | 17° 6 | 1°52 | 22°28 | 22°26 | 3° 6 | 3° 5 | T 5 |
| F 6 | 23 33 19 | 21°24'57 | 16° 2 | 6°37 | 7°17 | 23°39 | 2°44 | 20°53 | 10°42 | 17° 4 | 1°51 | 22°28 | 22°23 | 3°13 | 3°11 | F 6 |
| S 7 | 23 37 16 | 22°23'46 | 28° 4 | 5°59 | 8°21 | 24°15 | 2°57 | 21° 0 | 10°44 | 17° 2 | 1°50 | 22°D28 | 22°20 | 3°20 | 3°18 | S 7 |
| S 8 | 23 41 12 | 23°22'36 | 9♒59 | 5°14 | 9°25 | 24°51 | 3°10 | 21° 7 | 10°45 | 17° 1 | 1°50 | 22°28 | 22°17 | 3°26 | 3°25 | S 8 |
| M 9 | 23 45 9 | 24°21'28 | 21°49 | 4°23 | 10°29 | 25°26 | 3°23 | 21°13 | 10°47 | 16°59 | 1°49 | 22°28 | 22°14 | 3°33 | 3°32 | M 9 |
| T 10 | 23 49 5 | 25°20'22 | 3♓37 | 3°25 | 11°33 | 26° 2 | 3°36 | 21°20 | 10°48 | 16°57 | 1°48 | 22°28 | 22°10 | 3°40 | 3°39 | T 10 |
| W11 | 23 53 2 | 26°19'18 | 15°26 | 2°23 | 12°36 | 26°38 | 3°49 | 21°27 | 10°50 | 16°56 | 1°47 | 22°28 | 22° 7 | 3°46 | 3°46 | W11 |
| T 12 | 23 56 58 | 27°18'15 | 27°19 | 1°17 | 13°39 | 27°14 | 4° 2 | 21°34 | 10°51 | 16°54 | 1°46 | 22°R28 | 22° 4 | 3°53 | 3°54 | T 12 |
| F 13 | 0 0 55 | 28°17'15 | 9♈18 | 0° 9 | 14°42 | 27°49 | 4°15 | 21°40 | 10°53 | 16°52 | 1°45 | 22°28 | 22° 1 | 4° 0 | 4° 1 | F 13 |
| S 14 | 0 4 51 | 29°16'17 | 21°25 | 29♍ 1 | 15°45 | 28°25 | 4°28 | 21°47 | 10°54 | 16°51 | 1°44 | 22°27 | 21°58 | 4° 6 | 4° 8 | S 14 |
| S 15 | 0 8 48 | 0♎15'21 | 3♉41 | 27°54 | 16°47 | 29° 0 | 4°41 | 21°54 | 10°55 | 16°49 | 1°43 | 22°26 | 21°55 | 4°13 | 4°15 | S 15 |
| M16 | 0 12 45 | 1°14'28 | 16° 9 | 26°49 | 17°49 | 29°35 | 4°54 | 22° 1 | 10°57 | 16°48 | 1°42 | 22°25 | 21°51 | 4°20 | 4°22 | M16 |
| T 17 | 0 16 41 | 2°13'37 | 28°50 | 25°50 | 18°51 | 0♌10 | 5° 7 | 22° 8 | 10°58 | 16°46 | 1°41 | 22°24 | 21°48 | 4°26 | 4°30 | T 17 |
| W18 | 0 20 38 | 3°12'48 | 11♊47 | 24°57 | 19°52 | 0°45 | 5°20 | 22°15 | 10°59 | 16°44 | 1°40 | 22°23 | 21°45 | 4°33 | 4°37 | W18 |
| T 19 | 0 24 34 | 4°12'01 | 25° 2 | 24°13 | 20°53 | 1°20 | 5°33 | 22°22 | 11° 0 | 16°43 | 1°39 | 22°22 | 21°42 | 4°40 | 4°45 | T 19 |
| F 20 | 0 28 31 | 5°11'17 | 8♋37 | 23°37 | 21°54 | 1°55 | 5°46 | 22°29 | 11° 1 | 16°41 | 1°38 | 22°D22 | 21°39 | 4°46 | 4°52 | F 20 |
| S 21 | 0 32 27 | 6°10'35 | 22°31 | 23°11 | 22°54 | 2°30 | 5°59 | 22°36 | 11° 2 | 16°40 | 1°37 | 22°23 | 21°36 | 4°53 | 5° 0 | S 21 |
| S 22 | 0 36 24 | 7° 9'56 | 6♌46 | 22°57 | 23°54 | 3° 4 | 6°12 | 22°43 | 11° 3 | 16°38 | 1°36 | 22°24 | 21°32 | 4°59 | 5° 7 | S 22 |
| M23 | 0 40 20 | 8° 9'18 | 21°20 | 22°D52 | 24°54 | 3°39 | 6°25 | 22°50 | 11° 4 | 16°37 | 1°35 | 22°25 | 21°29 | 5° 6 | 5°15 | M23 |
| T 24 | 0 44 17 | 9° 8'44 | 6♍ 7 | 22°59 | 25°54 | 4°13 | 6°38 | 22°57 | 11° 5 | 16°35 | 1°34 | 22°26 | 21°26 | 5°13 | 5°22 | T 24 |
| W25 | 0 48 13 | 10° 8'11 | 21° 4 | 23°16 | 26°53 | 4°48 | 6°51 | 23° 4 | 11° 5 | 16°34 | 1°33 | 22°R26 | 21°23 | 5°19 | 5°30 | W25 |
| T 26 | 0 52 10 | 11° 7'40 | 6♎ 1 | 23°44 | 27°51 | 5°22 | 7° 4 | 23°11 | 11° 6 | 16°32 | 1°32 | 22°26 | 21°20 | 5°26 | 5°38 | T 26 |
| F 27 | 0 56 7 | 12° 7'12 | 20°51 | 24°21 | 28°49 | 5°56 | 7°17 | 23°18 | 11° 7 | 16°31 | 1°31 | 22°25 | 21°16 | 5°33 | 5°45 | F 27 |
| S 28 | 1 0 3 | 13° 6'46 | 5♏25 | 25° 6 | 29°47 | 6°30 | 7°30 | 23°25 | 11° 7 | 16°29 | 1°30 | 22°22 | 21°13 | 5°39 | 5°53 | S 28 |
| S 29 | 1 4 0 | 14° 6'21 | 19°39 | 26° 0 | 0♐45 | 7° 4 | 7°43 | 23°32 | 11° 8 | 16°28 | 1°29 | 22°19 | 21°10 | 5°46 | 6° 1 | S 29 |
| M30 | 1 7 56 | 15♎ 5'59 | 3♐27 | 27♍ 1 | 1♐42 | 7♌37 | 7♎56 | 23♎40 | 11♋ 8 | 16♓26 | 1♉28 | 22♍16 | 21♍ 7 | 5♓53 | 6♏ 9 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n20 | 11s31 | 4n 0 | 6s44 | 3s52 | 13s55 | 1s52 | 22n47 | 0n52 | 0n23 | 1n 8 | 5s50 | 2n18 | 23n26 | 0n21 | 6s15 | 1s17 | 3s20 | 16s30 | 3n 0 | 2n56 | 8s55 | 11s 7 | 1n23 |
| M 2 | 4 57 | 14 32 | 4 43 | 6 45 | 3 55 | 14 22 | 1 57 | 22 42 | 0 52 | 0 18 | 1 8 | 5 53 | 2 18 | 23 26 | 0 21 | 6 15 | 1 17 | 3 20 | 16 30 | 3 0 | 2 57 | 8 53 | 11 9 | 1 23 |
| T 3 | 4 34 | 16 42 | 5 8 | 6 43 | 3 56 | 14 49 | 2 2 | 22 37 | 0 53 | 0 12 | 1 8 | 5 55 | 2 18 | 23 26 | 0 21 | 6 16 | 1 17 | 3 21 | 16 30 | 3 0 | 2 58 | 8 52 | 11 12 | 1 24 |
| W 4 | 4 11 | 17 57 | 5 18 | 6 37 | 3 56 | 15 16 | 2 7 | 22 32 | 0 54 | 0 7 | 1 8 | 5 58 | 2 18 | 23 26 | 0 21 | 6 17 | 1 17 | 3 21 | 16 30 | 3 0 | 2 59 | 8 50 | 11 14 | 1 24 |
| T 5 | 3 48 | 18 16 | 5 12 | 6 26 | 3 55 | 15 42 | 2 11 | 22 27 | 0 55 | 0 2 | 1 8 | 6 1 | 2 18 | 23 26 | 0 21 | 6 17 | 1 17 | 3 22 | 16 31 | 3 0 | 3 1 | 8 48 | 11 16 | 1 24 |
| F 6 | 3 25 | 17 44 | 4 52 | 6 11 | 3 52 | 16 8 | 2 16 | 22 22 | 0 56 | 0s 3 | 1 8 | 6 3 | 2 18 | 23 26 | 0 21 | 6 18 | 1 17 | 3 22 | 16 31 | 3 0 | 3 2 | 8 47 | 11 18 | 1 24 |
| S 7 | 3 2 | 16 23 | 4 19 | 5 52 | 3 48 | 16 33 | 2 21 | 22 16 | 0 57 | 0 8 | 1 8 | 6 6 | 2 18 | 23 26 | 0 21 | 6 19 | 1 17 | 3 23 | 16 31 | 3 0 | 3 3 | 8 45 | 11 20 | 1 24 |
| S 8 | 2 38 | 14 21 | 3 35 | 5 28 | 3 42 | 16 59 | 2 25 | 22 11 | 0 58 | 0 13 | 1 8 | 6 8 | 2 18 | 23 26 | 0 21 | 6 19 | 1 17 | 3 23 | 16 31 | 3 0 | 3 4 | 8 44 | 11 22 | 1 24 |
| M 9 | 2 15 | 11 43 | 2 42 | 5 0 | 3 33 | 17 23 | 2 30 | 22 5 | 0 59 | 0 19 | 1 8 | 6 11 | 2 18 | 23 25 | 0 21 | 6 20 | 1 17 | 3 23 | 16 32 | 3 0 | 3 6 | 8 42 | 11 25 | 1 25 |
| T 10 | 1 51 | 8 37 | 1 43 | 4 28 | 3 23 | 17 48 | 2 35 | 21 59 | 0 59 | 0 24 | 1 8 | 6 13 | 2 17 | 23 25 | 0 21 | 6 21 | 1 17 | 3 24 | 16 32 | 3 0 | 3 7 | 8 40 | 11 27 | 1 25 |
| W11 | 1 28 | 5 10 | 0 39 | 3 52 | 3 11 | 18 12 | 2 39 | 21 53 | 1 0 | 0 29 | 1 8 | 6 16 | 2 17 | 23 25 | 0 21 | 6 21 | 1 17 | 3 24 | 16 32 | 3 0 | 3 8 | 8 39 | 11 29 | 1 25 |
| T 12 | 1 5 | 1 29 | 0s27 | 3 13 | 2 57 | 18 36 | 2 44 | 21 47 | 1 1 | 0 34 | 1 8 | 6 19 | 2 17 | 23 25 | 0 21 | 6 22 | 1 17 | 3 25 | 16 32 | 3 0 | 3 9 | 8 37 | 11 31 | 1 25 |
| F 13 | 0 41 | 2n17 | 1 32 | 2 32 | 2 42 | 18 59 | 2 48 | 21 41 | 1 2 | 0 39 | 1 8 | 6 21 | 2 17 | 23 25 | 0 21 | 6 22 | 1 17 | 3 25 | 16 32 | 3 0 | 3 11 | 8 35 | 11 34 | 1 25 |
| S 14 | 0 17 | 6 0 | 2 34 | 1 49 | 2 24 | 19 22 | 2 53 | 21 35 | 1 3 | 0 44 | 1 8 | 6 24 | 2 17 | 23 25 | 0 21 | 6 23 | 1 17 | 3 26 | 16 32 | 3 0 | 3 12 | 8 34 | 11 36 | 1 26 |
| S 15 | 0s 6 | 9 30 | 3 30 | 1 5 | 2 6 | 19 44 | 2 57 | 21 28 | 1 4 | 0 50 | 1 8 | 6 27 | 2 17 | 23 25 | 0 21 | 6 24 | 1 17 | 3 26 | 16 33 | 3 1 | 3 13 | 8 32 | 11 38 | 1 26 |
| M16 | 0 30 | 12 38 | 4 16 | 0 22 | 1 46 | 20 6 | 3 2 | 21 22 | 1 5 | 0 55 | 1 8 | 6 29 | 2 17 | 23 25 | 0 21 | 6 24 | 1 17 | 3 27 | 16 33 | 3 1 | 3 14 | 8 31 | 11 40 | 1 26 |
| T 17 | 0 53 | 15 14 | 4 51 | 0n21 | 1 26 | 20 28 | 3 6 | 21 15 | 1 6 | 1 0 | 1 8 | 6 32 | 2 17 | 23 25 | 0 21 | 6 25 | 1 17 | 3 27 | 16 33 | 3 1 | 3 16 | 8 29 | 11 43 | 1 26 |
| W18 | 1 17 | 17 8 | 5 12 | 1 0 | 1 6 | 20 49 | 3 11 | 21 8 | 1 7 | 1 5 | 1 8 | 6 34 | 2 17 | 23 25 | 0 21 | 6 26 | 1 17 | 3 28 | 16 33 | 3 2 | 3 17 | 8 27 | 11 45 | 1 26 |
| T 19 | 1 41 | 18 9 | 5 17 | 1 37 | 0 45 | 21 10 | 3 15 | 21 2 | 1 8 | 1 10 | 1 8 | 6 37 | 2 17 | 23 25 | 0 21 | 6 26 | 1 17 | 3 28 | 16 33 | 3 2 | 3 18 | 8 26 | 11 47 | 1 26 |
| F 20 | 2 4 | 18 10 | 5 5 | 2 9 | 0 25 | 21 30 | 3 19 | 20 55 | 1 9 | 1 16 | 1 8 | 6 40 | 2 17 | 23 25 | 0 21 | 6 27 | 1 17 | 3 28 | 16 33 | 3 2 | 3 19 | 8 24 | 11 50 | 1 27 |
| S 21 | 2 28 | 17 7 | 4 34 | 2 37 | 0 6 | 21 50 | 3 23 | 20 48 | 1 10 | 1 21 | 1 8 | 6 42 | 2 17 | 23 25 | 0 21 | 6 27 | 1 17 | 3 29 | 16 33 | 3 2 | 3 21 | 8 22 | 11 52 | 1 27 |
| S 22 | 2 51 | 14 59 | 3 47 | 3 0 | 0n12 | 22 9 | 3 27 | 20 41 | 1 10 | 1 26 | 1 8 | 6 45 | 2 17 | 23 24 | 0 21 | 6 28 | 1 17 | 3 29 | 16 34 | 3 2 | 3 22 | 8 21 | 11 54 | 1 27 |
| M23 | 3 15 | 11 51 | 2 44 | 3 17 | 0 29 | 22 28 | 3 31 | 20 33 | 1 11 | 1 31 | 1 8 | 6 48 | 2 16 | 23 24 | 0 21 | 6 29 | 1 17 | 3 30 | 16 34 | 3 1 | 3 23 | 8 19 | 11 57 | 1 27 |
| T 24 | 3 38 | 7 55 | 1 29 | 3 29 | 0 45 | 22 47 | 3 35 | 20 26 | 1 12 | 1 36 | 1 8 | 6 50 | 2 16 | 23 24 | 0 21 | 6 29 | 1 17 | 3 30 | 16 34 | 3 1 | 3 24 | 8 17 | 11 59 | 1 27 |
| W25 | 4 2 | 3 26 | 0 8 | 3 35 | 0 59 | 23 5 | 3 39 | 20 19 | 1 13 | 1 41 | 1 8 | 6 53 | 2 16 | 23 24 | 0 21 | 6 30 | 1 17 | 3 31 | 16 34 | 3 1 | 3 26 | 8 16 | 12 1 | 1 28 |
| T 26 | 4 25 | 1s15 | 1n14 | 3 36 | 1 12 | 23 22 | 3 43 | 20 11 | 1 14 | 1 47 | 1 8 | 6 56 | 2 16 | 23 24 | 0 21 | 6 30 | 1 16 | 3 31 | 16 34 | 3 1 | 3 27 | 8 14 | 12 4 | 1 28 |
| F 27 | 4 48 | 5 50 | 2 31 | 3 31 | 1 23 | 23 39 | 3 47 | 20 4 | 1 15 | 1 52 | 1 8 | 6 58 | 2 16 | 23 24 | 0 21 | 6 31 | 1 16 | 3 32 | 16 34 | 3 1 | 3 28 | 8 13 | 12 6 | 1 28 |
| S 28 | 5 12 | 9 59 | 3 36 | 3 22 | 1 33 | 23 55 | 3 50 | 19 56 | 1 16 | 1 57 | 1 8 | 7 1 | 2 16 | 23 24 | 0 21 | 6 31 | 1 16 | 3 32 | 16 34 | 3 2 | 3 30 | 8 11 | 12 8 | 1 28 |
| S 29 | 5 35 | 13 26 | 4 26 | 3 8 | 1 41 | 24 11 | 3 54 | 19 49 | 1 17 | 2 2 | 1 8 | 7 4 | 2 16 | 23 24 | 0 21 | 6 32 | 1 16 | 3 32 | 16 34 | 3 3 | 3 31 | 8 9 | 12 11 | 1 29 |
| M30 | 5s58 | 16s 2 | 4n58 | 2n50 | 1n48 | 24s26 | 3s57 | 19n41 | 1n18 | 2s 7 | 1n 8 | 7s 6 | 2n16 | 23n24 | 0n21 | 6s32 | 1s16 | 3s33 | 16s34 | 3n 5 | 3n32 | 8s 8 | 12s13 | 1n29 |

Julian Day Number = 2219502.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'42, Lahiri = 14°59'42 Julian Calendar 1 Sept. 1364 == Greg. Calendar 9 Sept. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## OCTOBER 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 11 53 | 16♎ 5'38 | 16♐49 | 28♍ 8 | 2♐38 | 8♑11 | 8♎ 9 | 23♎47 | 11♋ 9 | 16°R25 | 1°R27 | 22°R13 | 21♍ 4 | 5♓59 | 6♏17 | T 1 |
| W 2 | 1 15 49 | 17° 5'19 | 29°46 | 29°21 | 3°34 | 8°44 | 8°22 | 23°54 | 11° 9 | 16♓24 | 1♉26 | 22♍11 | 21° 1 | 6° 6 | 6°24 | W 2 |
| T 3 | 1 19 46 | 18° 5'02 | 12♑20 | 0♎39 | 4°29 | 9°18 | 8°35 | 24° 1 | 11°10 | 16°22 | 1°25 | 22°10 | 20°57 | 6°13 | 6°32 | T 3 |
| F 4 | 1 23 42 | 19° 4'47 | 24°35 | 2° 1 | 5°24 | 9°51 | 8°48 | 24° 8 | 11°10 | 16°21 | 1°24 | 22°D10 | 20°54 | 6°19 | 6°40 | F 4 |
| S 5 | 1 27 39 | 20° 4'33 | 6♒36 | 3°26 | 6°18 | 10°24 | 9° 1 | 24°15 | 11°10 | 16°20 | 1°23 | 22°11 | 20°51 | 6°26 | 6°48 | S 5 |
| S 6 | 1 31 36 | 21° 4'21 | 18°28 | 4°54 | 7°12 | 10°57 | 9°14 | 24°23 | 11°10 | 16°18 | 1°22 | 22°12 | 20°48 | 6°33 | 6°56 | S 6 |
| M 7 | 1 35 32 | 22° 4'11 | 0♓16 | 6°25 | 8° 5 | 11°30 | 9°27 | 24°30 | 11°10 | 16°17 | 1°20 | 22°14 | 20°45 | 6°39 | 7° 4 | M 7 |
| T 8 | 1 39 29 | 23° 4'02 | 12° 5 | 7°58 | 8°58 | 12° 2 | 9°40 | 24°37 | 11°11 | 16°16 | 1°19 | 22°16 | 20°41 | 6°46 | 7°12 | T 8 |
| W 9 | 1 43 25 | 24° 3'55 | 23°57 | 9°33 | 9°49 | 12°35 | 9°52 | 24°44 | 11°R11 | 16°15 | 1°18 | 22°R16 | 20°38 | 6°53 | 7°20 | W 9 |
| T 10 | 1 47 22 | 25° 3'51 | 5♈57 | 11° 9 | 10°41 | 13° 7 | 10° 5 | 24°51 | 11°10 | 16°13 | 1°17 | 22°15 | 20°35 | 6°59 | 7°28 | T 10 |
| F 11 | 1 51 18 | 26° 3'48 | 18° 6 | 12°45 | 11°31 | 13°40 | 10°18 | 24°59 | 11°10 | 16°12 | 1°16 | 22°12 | 20°32 | 7° 6 | 7°36 | F 11 |
| S 12 | 1 55 15 | 27° 3'46 | 0♉28 | 14°23 | 12°21 | 14°12 | 10°31 | 25° 6 | 11°10 | 16°11 | 1°15 | 22° 8 | 20°29 | 7°12 | 7°44 | S 12 |
| S 13 | 1 59 11 | 28° 3'47 | 13° 1 | 16° 1 | 13°10 | 14°44 | 10°44 | 25°13 | 11°10 | 16°10 | 1°14 | 22° 2 | 20°26 | 7°19 | 7°52 | S 13 |
| M14 | 2 3 8 | 29° 3'50 | 25°48 | 17°40 | 13°58 | 15°16 | 10°56 | 25°20 | 11°10 | 16° 9 | 1°13 | 21°56 | 20°22 | 7°26 | 8° 0 | M14 |
| T 15 | 2 7 5 | 0♏ 3'55 | 8♊48 | 19°18 | 14°45 | 15°47 | 11° 9 | 25°27 | 11° 9 | 16° 8 | 1°11 | 21°49 | 20°19 | 7°32 | 8° 8 | T 15 |
| W16 | 2 11 1 | 1° 4'02 | 22° 0 | 20°57 | 15°31 | 16°19 | 11°22 | 25°35 | 11° 9 | 16° 7 | 1°10 | 21°43 | 20°16 | 7°39 | 8°16 | W16 |
| T 17 | 2 14 58 | 2° 4'11 | 5♋25 | 22°36 | 16°17 | 16°50 | 11°34 | 25°42 | 11° 9 | 16° 6 | 1° 9 | 21°39 | 20°13 | 7°46 | 8°24 | T 17 |
| F 18 | 2 18 54 | 3° 4'22 | 19° 3 | 24°15 | 17° 1 | 17°21 | 11°47 | 25°49 | 11° 8 | 16° 5 | 1° 8 | 21°36 | 20°10 | 7°52 | 8°32 | F 18 |
| S 19 | 2 22 51 | 4° 4'35 | 2♌53 | 25°54 | 17°45 | 17°53 | 12° 0 | 25°56 | 11° 8 | 16° 4 | 1° 7 | 21°D35 | 20° 7 | 7°59 | 8°41 | S 19 |
| S 20 | 2 26 47 | 5° 4'51 | 16°55 | 27°32 | 18°27 | 18°23 | 12°12 | 26° 3 | 11° 7 | 16° 3 | 1° 6 | 21°35 | 20° 3 | 8° 6 | 8°49 | S 20 |
| M21 | 2 30 44 | 6° 5'08 | 1♍ 9 | 29°11 | 19° 9 | 18°54 | 12°25 | 26°10 | 11° 6 | 16° 2 | 1° 5 | 21°37 | 20° 0 | 8°12 | 8°57 | M21 |
| T 22 | 2 34 40 | 7° 5'27 | 15°33 | 0♏49 | 19°49 | 19°25 | 12°37 | 26°18 | 11° 6 | 16° 1 | 1° 4 | 21°R38 | 19°57 | 8°19 | 9° 5 | T 22 |
| W23 | 2 38 37 | 8° 5'49 | 0♎ 4 | 2°27 | 20°29 | 19°55 | 12°50 | 26°25 | 11° 5 | 16° 0 | 1° 2 | 21°38 | 19°54 | 8°26 | 9°13 | W23 |
| T 24 | 2 42 34 | 9° 6'12 | 14°38 | 4° 4 | 21° 7 | 20°25 | 13° 2 | 26°32 | 11° 4 | 15°59 | 1° 1 | 21°35 | 19°51 | 8°32 | 9°21 | T 24 |
| F 25 | 2 46 30 | 10° 6'37 | 29° 8 | 5°42 | 21°44 | 20°55 | 13°14 | 26°39 | 11° 3 | 15°58 | 1° 0 | 21°31 | 19°47 | 8°39 | 9°29 | F 25 |
| S 26 | 2 50 27 | 11° 7'04 | 13♏30 | 7°19 | 22°19 | 21°25 | 13°27 | 26°46 | 11° 3 | 15°57 | 0°59 | 21°24 | 19°44 | 8°46 | 9°37 | S 26 |
| S 27 | 2 54 23 | 12° 7'33 | 27°36 | 8°55 | 22°53 | 21°55 | 13°39 | 26°53 | 11° 2 | 15°57 | 0°58 | 21°16 | 19°41 | 8°52 | 9°45 | S 27 |
| M28 | 2 58 20 | 13° 8'03 | 11♐21 | 10°32 | 23°26 | 22°24 | 13°51 | 27° 0 | 11° 1 | 15°56 | 0°57 | 21° 7 | 19°38 | 8°59 | 9°54 | M28 |
| T 29 | 3 2 16 | 14° 8'34 | 24°44 | 12° 8 | 23°58 | 22°54 | 14° 3 | 27° 7 | 11° 0 | 15°55 | 0°56 | 20°58 | 19°35 | 9° 5 | 10° 2 | T 29 |
| W30 | 3 6 13 | 15° 9'08 | 7♑43 | 13°44 | 24°27 | 23°23 | 14°15 | 27°14 | 10°58 | 15°54 | 0°55 | 20°50 | 19°32 | 9°12 | 10°10 | W30 |
| T 31 | 3 10 9 | 16♏ 9'42 | 20♑19 | 15♏19 | 24♐56 | 23♑52 | 14♎27 | 27♎21 | 10♋57 | 15♓54 | 0♉54 | 20♍45 | 19♍28 | 9♓19 | 10♏18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s21 | 17s40 | 5n14 | 2n28 | 1n53 | 24s41 | 4s 1 | 19n33 | 1n19 | 2s12 | 1n 8 | 7s 9 | 2n16 | 23n24 | 0n21 | 6s33 | 1s16 | 3s33 | 16s34 | 3n 6 | 3n33 | 8s 6 | 12s16 | 1n29 |
| W 2 | 6 44 | 18 19 | 5 12 | 2 3 | 1 57 | 24 55 | 4 4 | 19 25 | 1 20 | 2 17 | 1 8 | 7 12 | 2 16 | 23 24 | 0 21 | 6 34 | 1 16 | 3 34 | 16 35 | 3 7 | 3 35 | 8 4 | 12 18 | 1 29 |
| T 3 | 7 7 | 18 2 | 4 56 | 1 35 | 2 0 | 25 9 | 4 7 | 19 17 | 1 21 | 2 22 | 1 8 | 7 14 | 2 16 | 23 24 | 0 21 | 6 34 | 1 16 | 3 34 | 16 35 | 3 7 | 3 36 | 8 3 | 12 20 | 1 29 |
| F 4 | 7 30 | 16 55 | 4 26 | 1 4 | 2 2 | 25 22 | 4 10 | 19 10 | 1 22 | 2 28 | 1 8 | 7 17 | 2 16 | 23 24 | 0 21 | 6 35 | 1 16 | 3 35 | 16 35 | 3 7 | 3 37 | 8 1 | 12 23 | 1 30 |
| S 5 | 7 52 | 15 3 | 3 45 | 0 31 | 2 3 | 25 35 | 4 13 | 19 1 | 1 23 | 2 33 | 1 8 | 7 20 | 2 16 | 23 24 | 0 21 | 6 35 | 1 16 | 3 35 | 16 35 | 3 7 | 3 38 | 7 59 | 12 25 | 1 30 |
| S 6 | 8 15 | 12 34 | 2 55 | 0s 4 | 2 3 | 25 47 | 4 16 | 18 53 | 1 24 | 2 38 | 1 8 | 7 22 | 2 16 | 23 24 | 0 21 | 6 36 | 1 16 | 3 35 | 16 35 | 3 6 | 3 40 | 7 58 | 12 27 | 1 30 |
| M 7 | 8 37 | 9 34 | 1 58 | 0 41 | 2 3 | 25 58 | 4 18 | 18 45 | 1 25 | 2 43 | 1 8 | 7 25 | 2 16 | 23 24 | 0 22 | 6 36 | 1 16 | 3 36 | 16 35 | 3 5 | 3 41 | 7 56 | 12 30 | 1 30 |
| T 8 | 9 0 | 6 12 | 0 56 | 1 19 | 2 1 | 26 9 | 4 21 | 18 37 | 1 26 | 2 48 | 1 8 | 7 28 | 2 16 | 23 24 | 0 22 | 6 37 | 1 16 | 3 36 | 16 35 | 3 5 | 3 42 | 7 54 | 12 32 | 1 30 |
| W 9 | 9 22 | 2 33 | 0s 9 | 1 58 | 1 59 | 26 20 | 4 23 | 18 29 | 1 27 | 2 53 | 1 8 | 7 30 | 2 16 | 23 24 | 0 22 | 6 37 | 1 16 | 3 37 | 16 35 | 3 5 | 3 43 | 7 53 | 12 35 | 1 31 |
| T 10 | 9 44 | 1n14 | 1 14 | 2 38 | 1 56 | 26 30 | 4 25 | 18 21 | 1 28 | 2 58 | 1 8 | 7 33 | 2 16 | 23 24 | 0 22 | 6 37 | 1 16 | 3 37 | 16 35 | 3 5 | 3 45 | 7 51 | 12 37 | 1 31 |
| F 11 | 10 6 | 5 1 | 2 17 | 3 19 | 1 53 | 26 39 | 4 27 | 18 12 | 1 29 | 3 3 | 1 8 | 7 36 | 2 16 | 23 24 | 0 22 | 6 38 | 1 16 | 3 37 | 16 35 | 3 6 | 3 46 | 7 49 | 12 39 | 1 31 |
| S 12 | 10 28 | 8 39 | 3 14 | 4 1 | 1 49 | 26 48 | 4 29 | 18 4 | 1 30 | 3 8 | 1 8 | 7 38 | 2 16 | 23 24 | 0 22 | 6 38 | 1 16 | 3 38 | 16 35 | 3 8 | 3 47 | 7 48 | 12 42 | 1 31 |
| S 13 | 10 49 | 11 57 | 4 2 | 4 43 | 1 45 | 26 56 | 4 31 | 17 56 | 1 31 | 3 13 | 1 8 | 7 41 | 2 16 | 23 24 | 0 22 | 6 39 | 1 16 | 3 38 | 16 35 | 3 10 | 3 48 | 7 46 | 12 44 | 1 32 |
| M14 | 11 11 | 14 45 | 4 39 | 5 25 | 1 40 | 27 3 | 4 32 | 17 47 | 1 32 | 3 18 | 1 8 | 7 43 | 2 16 | 23 25 | 0 22 | 6 39 | 1 16 | 3 38 | 16 35 | 3 13 | 3 50 | 7 44 | 12 46 | 1 32 |
| T 15 | 11 32 | 16 52 | 5 2 | 6 7 | 1 35 | 27 10 | 4 33 | 17 39 | 1 34 | 3 23 | 1 8 | 7 46 | 2 16 | 23 25 | 0 22 | 6 40 | 1 16 | 3 39 | 16 35 | 3 15 | 3 51 | 7 43 | 12 49 | 1 32 |
| W16 | 11 53 | 18 7 | 5 10 | 6 49 | 1 30 | 27 17 | 4 35 | 17 30 | 1 35 | 3 28 | 1 9 | 7 49 | 2 16 | 23 25 | 0 22 | 6 40 | 1 16 | 3 39 | 16 35 | 3 18 | 3 52 | 7 41 | 12 51 | 1 32 |
| T 17 | 12 14 | 18 23 | 5 2 | 7 31 | 1 24 | 27 23 | 4 35 | 17 22 | 1 36 | 3 32 | 1 9 | 7 51 | 2 16 | 23 25 | 0 22 | 6 40 | 1 16 | 3 40 | 16 35 | 3 19 | 3 53 | 7 39 | 12 54 | 1 33 |
| F 18 | 12 35 | 17 37 | 4 36 | 8 13 | 1 19 | 27 28 | 4 36 | 17 13 | 1 37 | 3 37 | 1 9 | 7 54 | 2 16 | 23 25 | 0 22 | 6 41 | 1 16 | 3 40 | 16 35 | 3 21 | 3 55 | 7 38 | 12 56 | 1 33 |
| S 19 | 12 55 | 15 47 | 3 54 | 8 55 | 1 13 | 27 33 | 4 37 | 17 5 | 1 38 | 3 42 | 1 9 | 7 56 | 2 16 | 23 25 | 0 22 | 6 41 | 1 16 | 3 40 | 16 35 | 3 21 | 3 56 | 7 36 | 12 58 | 1 33 |
| S 20 | 13 16 | 13 0 | 2 57 | 9 36 | 1 6 | 27 37 | 4 37 | 16 56 | 1 39 | 3 47 | 1 9 | 7 59 | 2 16 | 23 25 | 0 22 | 6 41 | 1 16 | 3 41 | 16 35 | 3 21 | 3 57 | 7 34 | 13 1 | 1 33 |
| M21 | 13 36 | 9 24 | 1 49 | 10 17 | 1 0 | 27 40 | 4 37 | 16 48 | 1 40 | 3 52 | 1 9 | 8 2 | 2 16 | 23 25 | 0 22 | 6 42 | 1 16 | 3 41 | 16 35 | 3 20 | 3 58 | 7 33 | 13 3 | 1 34 |
| T 22 | 13 56 | 5 13 | 0 33 | 10 57 | 0 54 | 27 43 | 4 37 | 16 39 | 1 41 | 3 57 | 1 9 | 8 4 | 2 16 | 23 25 | 0 22 | 6 42 | 1 16 | 3 41 | 16 35 | 3 20 | 4 0 | 7 31 | 13 5 | 1 34 |
| W23 | 14 15 | 0 40 | 0n46 | 11 37 | 0 47 | 27 46 | 4 36 | 16 30 | 1 42 | 4 1 | 1 9 | 8 7 | 2 16 | 23 25 | 0 22 | 6 42 | 1 16 | 3 42 | 16 35 | 3 20 | 4 1 | 7 29 | 13 8 | 1 34 |
| T 24 | 14 35 | 3s55 | 2 1 | 12 17 | 0 41 | 27 48 | 4 35 | 16 22 | 1 44 | 4 6 | 1 9 | 8 9 | 2 16 | 23 25 | 0 22 | 6 43 | 1 16 | 3 42 | 16 35 | 3 21 | 4 2 | 7 28 | 13 10 | 1 34 |
| F 25 | 14 54 | 8 16 | 3 8 | 12 56 | 0 34 | 27 49 | 4 34 | 16 13 | 1 45 | 4 11 | 1 9 | 8 12 | 2 16 | 23 25 | 0 22 | 6 43 | 1 16 | 3 42 | 16 35 | 3 23 | 4 3 | 7 26 | 13 12 | 1 35 |
| S 26 | 15 13 | 12 5 | 4 3 | 13 34 | 0 27 | 27 50 | 4 33 | 16 5 | 1 46 | 4 16 | 1 9 | 8 14 | 2 16 | 23 25 | 0 22 | 6 43 | 1 16 | 3 42 | 16 34 | 3 25 | 4 5 | 7 24 | 13 15 | 1 35 |
| S 27 | 15 32 | 15 7 | 4 41 | 14 12 | 0 21 | 27 51 | 4 31 | 15 56 | 1 47 | 4 20 | 1 9 | 8 17 | 2 16 | 23 26 | 0 22 | 6 44 | 1 16 | 3 43 | 16 34 | 3 28 | 4 6 | 7 22 | 13 17 | 1 35 |
| M28 | 15 50 | 17 14 | 5 2 | 14 49 | 0 14 | 27 51 | 4 30 | 15 48 | 1 48 | 4 25 | 1 9 | 8 19 | 2 16 | 23 26 | 0 22 | 6 44 | 1 16 | 3 43 | 16 34 | 3 32 | 4 7 | 7 21 | 13 19 | 1 35 |
| T 29 | 16 8 | 18 19 | 5 6 | 15 25 | 0 7 | 27 50 | 4 27 | 15 39 | 1 49 | 4 30 | 1 9 | 8 22 | 2 16 | 23 26 | 0 22 | 6 44 | 1 16 | 3 43 | 16 34 | 3 36 | 4 8 | 7 19 | 13 22 | 1 36 |
| W30 | 16 26 | 18 24 | 4 54 | 16 0 | 0 0 | 27 49 | 4 25 | 15 31 | 1 51 | 4 34 | 1 9 | 8 24 | 2 16 | 23 26 | 0 22 | 6 44 | 1 16 | 3 44 | 16 34 | 3 39 | 4 10 | 7 17 | 13 24 | 1 36 |
| T 31 | 16s44 | 17s34 | 4n27 | 16s35 | 0s 6 | 27s47 | 4s22 | 15n22 | 1n52 | 4s39 | 1n10 | 8s26 | 2n17 | 23n26 | 0n22 | 6s45 | 1s16 | 3s44 | 16s34 | 3n41 | 4n11 | 7s16 | 13s26 | 1n36 |

Julian Day Number = 2219532.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'46, Lahiri = 14°59'46 Julian Calendar 1 Oct. 1364 == Greg. Calendar 9 Oct. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## NOVEMBER 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 14 6 | 17♏10'18 | 2♒36 | 16♏55 | 25♐22 | 24♌20 | 14♎39 | 27♎28 | 10°R56 | 15°R53 | 0°R52 | 20°R41 | 19♍25 | 9♓25 | 10♏26 | F 1 |
| S 2 | 3 18 3 | 18°10'55 | 14°38 | 18°30 | 25°47 | 24°49 | 14°51 | 27°35 | 10♋55 | 15♓53 | 0♉51 | 20°D40 | 19°22 | 9°32 | 10°34 | S 2 |
| S 3 | 3 21 59 | 19°11'33 | 26°31 | 20° 5 | 26°10 | 25°17 | 15° 3 | 27°42 | 10°54 | 15°52 | 0°50 | 20♍40 | 19°19 | 9°39 | 10°42 | S 3 |
| M 4 | 3 25 56 | 20°12'12 | 8♓18 | 21°39 | 26°31 | 25°45 | 15°15 | 27°49 | 10°52 | 15°52 | 0°49 | 20°41 | 19°16 | 9°45 | 10°50 | M 4 |
| T 5 | 3 29 52 | 21°12'52 | 20° 7 | 23°14 | 26°51 | 26°13 | 15°27 | 27°56 | 10°51 | 15°51 | 0°48 | 20°R42 | 19°12 | 9°52 | 10°58 | T 5 |
| W 6 | 3 33 49 | 22°13'34 | 2♈ 2 | 24°48 | 27° 8 | 26°40 | 15°38 | 28° 2 | 10°50 | 15°51 | 0°47 | 20°41 | 19° 9 | 9°59 | 11° 6 | W 6 |
| T 7 | 3 37 45 | 23°14'16 | 14° 7 | 26°22 | 27°23 | 27° 8 | 15°50 | 28° 9 | 10°48 | 15°50 | 0°46 | 20°38 | 19° 6 | 10° 5 | 11°14 | T 7 |
| F 8 | 3 41 42 | 24°15'00 | 26°27 | 27°56 | 27°37 | 27°35 | 16° 2 | 28°16 | 10°47 | 15°50 | 0°45 | 20°33 | 19° 3 | 10°12 | 11°22 | F 8 |
| S 9 | 3 45 38 | 25°15'45 | 9♉ 2 | 29°30 | 27°48 | 28° 2 | 16°13 | 28°23 | 10°45 | 15°50 | 0°44 | 20°24 | 19° 0 | 10°19 | 11°30 | S 9 |
| S 10 | 3 49 35 | 26°16'32 | 21°55 | 1♗ 4 | 27°56 | 28°28 | 16°25 | 28°29 | 10°43 | 15°49 | 0°43 | 20°14 | 18°57 | 10°25 | 11°38 | S 10 |
| M11 | 3 53 31 | 27°17'19 | 5♊ 4 | 2°38 | 28° 3 | 28°55 | 16°36 | 28°36 | 10°42 | 15°49 | 0°42 | 20° 2 | 18°53 | 10°32 | 11°46 | M11 |
| T 12 | 3 57 28 | 28°18'08 | 18°29 | 4°11 | 28° 7 | 29°21 | 16°47 | 28°42 | 10°40 | 15°49 | 0°41 | 19°50 | 18°50 | 10°39 | 11°54 | T 12 |
| W13 | 4 1 25 | 29°18'58 | 2♋ 6 | 5°45 | 28°R 9 | 29°47 | 16°58 | 28°49 | 10°38 | 15°48 | 0°40 | 19°39 | 18°47 | 10°45 | 12° 2 | W13 |
| T 14 | 4 5 21 | 0♗19'50 | 15°53 | 7°18 | 28° 8 | 0♍13 | 17°10 | 28°56 | 10°37 | 15°48 | 0°39 | 19°30 | 18°44 | 10°52 | 12° 9 | T 14 |
| F 15 | 4 9 18 | 1°20'43 | 29°47 | 8°51 | 28° 5 | 0°38 | 17°21 | 29° 2 | 10°35 | 15°48 | 0°38 | 19°24 | 18°41 | 10°58 | 12°17 | F 15 |
| S 16 | 4 13 14 | 2°21'37 | 13♌45 | 10°25 | 28° 0 | 1° 3 | 17°32 | 29° 8 | 10°33 | 15°48 | 0°37 | 19°20 | 18°38 | 11° 5 | 12°25 | S 16 |
| S 17 | 4 17 11 | 3°22'33 | 27°47 | 11°58 | 27°52 | 1°28 | 17°43 | 29°15 | 10°31 | 15°48 | 0°36 | 19°19 | 18°34 | 11°12 | 12°33 | S 17 |
| M18 | 4 21 7 | 4°23'30 | 11♍52 | 13°31 | 27°41 | 1°52 | 17°53 | 29°21 | 10°29 | 15°48 | 0°35 | 19°19 | 18°31 | 11°18 | 12°41 | M18 |
| T 19 | 4 25 4 | 5°24'28 | 25°58 | 15° 5 | 27°28 | 2°17 | 18° 4 | 29°28 | 10°27 | 15°D48 | 0°34 | 19°19 | 18°28 | 11°25 | 12°48 | T 19 |
| W20 | 4 29 1 | 6°25'27 | 10♎ 6 | 16°38 | 27°13 | 2°41 | 18°15 | 29°34 | 10°25 | 15°48 | 0°34 | 19°18 | 18°25 | 11°32 | 12°56 | W20 |
| T 21 | 4 32 57 | 7°26'28 | 24°12 | 18°11 | 26°55 | 3° 4 | 18°25 | 29°40 | 10°23 | 15°48 | 0°33 | 19°14 | 18°22 | 11°38 | 13° 4 | T 21 |
| F 22 | 4 36 54 | 8°27'29 | 8♏16 | 19°44 | 26°35 | 3°28 | 18°36 | 29°46 | 10°21 | 15°48 | 0°32 | 19° 7 | 18°18 | 11°45 | 13°11 | F 22 |
| S 23 | 4 40 50 | 9°28'32 | 22°12 | 21°17 | 26°13 | 3°51 | 18°46 | 29°52 | 10°19 | 15°48 | 0°31 | 18°57 | 18°15 | 11°52 | 13°19 | S 23 |
| S 24 | 4 44 47 | 10°29'36 | 5♗57 | 22°50 | 25°48 | 4°13 | 18°57 | 29°58 | 10°17 | 15°48 | 0°30 | 18°45 | 18°12 | 11°58 | 13°26 | S 24 |
| M25 | 4 48 43 | 11°30'41 | 19°27 | 24°23 | 25°22 | 4°36 | 19° 7 | 0♏ 4 | 10°15 | 15°49 | 0°29 | 18°31 | 18° 9 | 12° 5 | 13°34 | M25 |
| T 26 | 4 52 40 | 12°31'46 | 2♑40 | 25°55 | 24°53 | 4°58 | 19°17 | 0°10 | 10°12 | 15°49 | 0°28 | 18°18 | 18° 6 | 12°12 | 13°41 | T 26 |
| W27 | 4 56 36 | 13°32'52 | 15°33 | 27°27 | 24°23 | 5°19 | 19°27 | 0°16 | 10°10 | 15°49 | 0°28 | 18° 6 | 18° 3 | 12°18 | 13°49 | W27 |
| T 28 | 5 0 33 | 14°33'59 | 28° 7 | 28°59 | 23°52 | 5°40 | 19°37 | 0°22 | 10° 8 | 15°49 | 0°27 | 17°57 | 17°59 | 12°25 | 13°56 | T 28 |
| F 29 | 5 4 30 | 15°35'05 | 10♒23 | 0♑31 | 23°19 | 6° 1 | 19°47 | 0°28 | 10° 6 | 15°50 | 0°26 | 17°50 | 17°56 | 12°32 | 14° 3 | F 29 |
| S 30 | 5 8 26 | 16♗36'13 | 22♒25 | 2♑ 2 | 22♐44 | 6♍22 | 19♎57 | 0♏34 | 10♋ 3 | 15♓50 | 0♉25 | 17♍46 | 17♍53 | 12♓38 | 14♏11 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s 1 | 15s56 | 3n49 | 17s 9 | 0s13 | 27s45 | 4s19 | 15n14 | 1n53 | 4s43 | 1n10 | 8s29 | 2n17 | 23n26 | 0n22 | 6s45 | 1s16 | 3s44 | 16s34 | 3n42 | 4n12 | 7s14 | 13s28 | 1n36 |
| S 2 | 17 18 | 13 37 | 3 1 | 17 42 | 0 20 | 27 42 | 4 15 | 15 5 | 1 54 | 4 48 | 1 10 | 8 31 | 2 17 | 23 26 | 0 22 | 6 45 | 1 16 | 3 44 | 16 34 | 3 43 | 4 13 | 7 12 | 13 31 | 1 37 |
| S 3 | 17 35 | 10 45 | 2 6 | 18 14 | 0 26 | 27 39 | 4 11 | 14 57 | 1 56 | 4 52 | 1 10 | 8 34 | 2 17 | 23 26 | 0 22 | 6 45 | 1 16 | 3 45 | 16 34 | 3 43 | 4 15 | 7 11 | 13 33 | 1 37 |
| M 4 | 17 51 | 7 28 | 1 6 | 18 46 | 0 32 | 27 35 | 4 6 | 14 49 | 1 57 | 4 57 | 1 10 | 8 36 | 2 17 | 23 27 | 0 22 | 6 45 | 1 16 | 3 45 | 16 33 | 3 42 | 4 16 | 7 9 | 13 35 | 1 37 |
| T 5 | 18 7 | 3 53 | 0 3 | 19 16 | 0 39 | 27 30 | 4 2 | 14 40 | 1 58 | 5 1 | 1 10 | 8 38 | 2 17 | 23 27 | 0 22 | 6 45 | 1 16 | 3 45 | 16 33 | 3 42 | 4 17 | 7 7 | 13 37 | 1 38 |
| W 6 | 18 23 | 0 7 | 1s 0 | 19 46 | 0 45 | 27 26 | 3 56 | 14 32 | 1 59 | 5 6 | 1 10 | 8 41 | 2 17 | 23 27 | 0 22 | 6 46 | 1 16 | 3 45 | 16 33 | 3 42 | 4 18 | 7 5 | 13 40 | 1 38 |
| T 7 | 18 39 | 3n43 | 2 2 | 20 14 | 0 51 | 27 20 | 3 51 | 14 24 | 2 1 | 5 10 | 1 10 | 8 43 | 2 17 | 23 27 | 0 22 | 6 46 | 1 16 | 3 45 | 16 33 | 3 43 | 4 20 | 7 4 | 13 42 | 1 38 |
| F 8 | 18 54 | 7 28 | 2 59 | 20 42 | 0 57 | 27 14 | 3 45 | 14 15 | 2 2 | 5 15 | 1 10 | 8 45 | 2 17 | 23 27 | 0 22 | 6 46 | 1 15 | 3 46 | 16 33 | 3 46 | 4 21 | 7 2 | 13 44 | 1 38 |
| S 9 | 19 9 | 10 57 | 3 48 | 21 8 | 1 3 | 27 8 | 3 38 | 14 7 | 2 3 | 5 19 | 1 10 | 8 48 | 2 17 | 23 27 | 0 22 | 6 46 | 1 15 | 3 46 | 16 33 | 3 49 | 4 22 | 7 0 | 13 46 | 1 39 |
| S 10 | 19 23 | 14 1 | 4 27 | 21 34 | 1 9 | 27 1 | 3 31 | 13 59 | 2 4 | 5 23 | 1 11 | 8 50 | 2 17 | 23 27 | 0 22 | 6 46 | 1 15 | 3 46 | 16 33 | 3 53 | 4 23 | 6 59 | 13 48 | 1 39 |
| M11 | 19 37 | 16 25 | 4 52 | 21 58 | 1 15 | 26 53 | 3 23 | 13 51 | 2 6 | 5 27 | 1 11 | 8 52 | 2 17 | 23 28 | 0 22 | 6 46 | 1 15 | 3 46 | 16 32 | 3 57 | 4 25 | 6 57 | 13 50 | 1 39 |
| T 12 | 19 51 | 18 0 | 5 2 | 22 22 | 1 20 | 26 45 | 3 15 | 13 43 | 2 7 | 5 32 | 1 11 | 8 55 | 2 17 | 23 28 | 0 22 | 6 46 | 1 15 | 3 46 | 16 32 | 4 2 | 4 26 | 6 55 | 13 52 | 1 40 |
| W13 | 20 4 | 18 35 | 4 55 | 22 44 | 1 25 | 26 37 | 3 6 | 13 35 | 2 8 | 5 36 | 1 11 | 8 57 | 2 18 | 23 28 | 0 22 | 6 46 | 1 15 | 3 46 | 16 32 | 4 7 | 4 27 | 6 54 | 13 55 | 1 40 |
| T 14 | 20 17 | 18 5 | 4 31 | 23 5 | 1 31 | 26 28 | 2 57 | 13 27 | 2 10 | 5 40 | 1 11 | 8 59 | 2 18 | 23 28 | 0 23 | 6 46 | 1 15 | 3 47 | 16 32 | 4 10 | 4 28 | 6 52 | 13 57 | 1 40 |
| F 15 | 20 30 | 16 30 | 3 51 | 23 25 | 1 35 | 26 18 | 2 48 | 13 20 | 2 11 | 5 44 | 1 11 | 9 1 | 2 18 | 23 28 | 0 23 | 6 46 | 1 15 | 3 47 | 16 32 | 4 13 | 4 30 | 6 50 | 13 59 | 1 41 |
| S 16 | 20 42 | 13 56 | 2 57 | 23 44 | 1 40 | 26 8 | 2 38 | 13 12 | 2 13 | 5 48 | 1 11 | 9 3 | 2 18 | 23 28 | 0 23 | 6 46 | 1 15 | 3 47 | 16 31 | 4 14 | 4 31 | 6 48 | 14 1 | 1 41 |
| S 17 | 20 54 | 10 32 | 1 52 | 24 2 | 1 45 | 25 57 | 2 27 | 13 4 | 2 14 | 5 52 | 1 11 | 9 6 | 2 18 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 31 | 4 15 | 4 32 | 6 47 | 14 3 | 1 41 |
| M18 | 21 5 | 6 32 | 0 39 | 24 18 | 1 49 | 25 46 | 2 16 | 12 57 | 2 15 | 5 56 | 1 12 | 9 8 | 2 18 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 31 | 4 15 | 4 33 | 6 45 | 14 5 | 1 42 |
| T 19 | 21 17 | 2 9 | 0n35 | 24 33 | 1 53 | 25 34 | 2 4 | 12 49 | 2 17 | 6 0 | 1 12 | 9 10 | 2 18 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 31 | 4 15 | 4 35 | 6 43 | 14 7 | 1 42 |
| W20 | 21 27 | 2s22 | 1 48 | 24 47 | 1 57 | 25 21 | 1 52 | 12 42 | 2 18 | 6 4 | 1 12 | 9 12 | 2 18 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 31 | 4 15 | 4 36 | 6 42 | 14 9 | 1 42 |
| T 21 | 21 37 | 6 44 | 2 54 | 24 59 | 2 0 | 25 8 | 1 39 | 12 35 | 2 20 | 6 8 | 1 12 | 9 14 | 2 18 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 30 | 4 17 | 4 37 | 6 40 | 14 11 | 1 42 |
| F 22 | 21 47 | 10 42 | 3 48 | 25 10 | 2 3 | 24 54 | 1 26 | 12 28 | 2 21 | 6 12 | 1 12 | 9 16 | 2 19 | 23 29 | 0 23 | 6 46 | 1 15 | 3 47 | 16 30 | 4 19 | 4 38 | 6 38 | 14 13 | 1 43 |
| S 23 | 21 57 | 14 3 | 4 29 | 25 20 | 2 6 | 24 40 | 1 12 | 12 21 | 2 23 | 6 16 | 1 12 | 9 18 | 2 19 | 23 30 | 0 23 | 6 46 | 1 15 | 3 47 | 16 30 | 4 23 | 4 40 | 6 36 | 14 15 | 1 43 |
| S 24 | 22 6 | 16 34 | 4 53 | 25 28 | 2 9 | 24 25 | 0 58 | 12 14 | 2 24 | 6 20 | 1 12 | 9 20 | 2 19 | 23 30 | 0 23 | 6 46 | 1 15 | 3 47 | 16 30 | 4 28 | 4 41 | 6 35 | 14 17 | 1 43 |
| M25 | 22 14 | 18 6 | 5 0 | 25 35 | 2 11 | 24 10 | 0 44 | 12 7 | 2 26 | 6 23 | 1 12 | 9 22 | 2 19 | 23 30 | 0 23 | 6 46 | 1 15 | 3 48 | 16 29 | 4 33 | 4 42 | 6 33 | 14 19 | 1 44 |
| T 26 | 22 22 | 18 38 | 4 51 | 25 40 | 2 13 | 23 54 | 0 29 | 12 0 | 2 27 | 6 27 | 1 13 | 9 24 | 2 19 | 23 30 | 0 23 | 6 46 | 1 15 | 3 48 | 16 29 | 4 38 | 4 43 | 6 31 | 14 21 | 1 44 |
| W27 | 22 30 | 18 11 | 4 27 | 25 44 | 2 14 | 23 38 | 0 14 | 11 54 | 2 29 | 6 31 | 1 13 | 9 26 | 2 19 | 23 30 | 0 23 | 6 46 | 1 15 | 3 48 | 16 29 | 4 43 | 4 45 | 6 29 | 14 22 | 1 45 |
| T 28 | 22 37 | 16 50 | 3 51 | 25 46 | 2 15 | 23 21 | 0n 1 | 11 47 | 2 30 | 6 34 | 1 13 | 9 28 | 2 19 | 23 31 | 0 23 | 6 45 | 1 15 | 3 48 | 16 29 | 4 47 | 4 46 | 6 28 | 14 24 | 1 45 |
| F 29 | 22 44 | 14 45 | 3 4 | 25 46 | 2 15 | 23 4 | 0 17 | 11 41 | 2 32 | 6 38 | 1 13 | 9 30 | 2 20 | 23 31 | 0 23 | 6 45 | 1 15 | 3 48 | 16 28 | 4 50 | 4 47 | 6 26 | 14 26 | 1 45 |
| S 30 | 22s51 | 12s 2 | 2n10 | 25s46 | 2s15 | 22s47 | 0n32 | 11n35 | 2n33 | 6s42 | 1n13 | 9s31 | 2n20 | 23n31 | 0n23 | 6s45 | 1s15 | 3s48 | 16s28 | 4n51 | 4n48 | 6s24 | 14s28 | 1n46 |

Julian Day Number = 2219563.5, Delta T = 08m47s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'50, Lahiri = 14°59'51 Julian Calendar 1 Nov. 1364 == Greg. Calendar 9 Nov. 1364


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# ASTRODIENST EPHEMERIS for the year 1364
# geocentric

## DECEMBER 1364 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 12 23 | 17♐37'20 | 4♓17 | 3♑32 | 22°R 9 | 6♍42 | 20♎ 6 | 0♏39 | 10°R 1 | 15♓51 | 0°R25 | 17°R44 | 17♍50 | 12♓45 | 14♏18 | S 1 |
| M 2 | 5 16 19 | 18°38'28 | 16° 5 | 5° 2 | 21♐33 | 7° 2 | 20°16 | 0°45 | 9♋59 | 15°51 | 0♉24 | 17♍44 | 17°47 | 12°51 | 14°25 | M 2 |
| T 3 | 5 20 16 | 19°39'36 | 27°53 | 6°31 | 20°57 | 7°21 | 20°25 | 0°50 | 9°56 | 15°52 | 0°23 | 17°44 | 17°44 | 12°58 | 14°32 | T 3 |
| W 4 | 5 24 12 | 20°40'44 | 9♈48 | 7°58 | 20°20 | 7°40 | 20°35 | 0°56 | 9°54 | 15°52 | 0°23 | 17°43 | 17°40 | 13° 5 | 14°39 | W 4 |
| T 5 | 5 28 9 | 21°41'53 | 21°55 | 9°25 | 19°44 | 7°59 | 20°44 | 1° 1 | 9°52 | 15°53 | 0°22 | 17°40 | 17°37 | 13°11 | 14°46 | T 5 |
| F 6 | 5 32 5 | 22°43'01 | 4♉19 | 10°49 | 19° 7 | 8°17 | 20°53 | 1° 7 | 9°49 | 15°53 | 0°21 | 17°34 | 17°34 | 13°18 | 14°53 | F 6 |
| S 7 | 5 36 2 | 23°44'10 | 17° 3 | 12°12 | 18°32 | 8°35 | 21° 2 | 1°12 | 9°47 | 15°54 | 0°21 | 17°26 | 17°31 | 13°25 | 15° 0 | S 7 |
| S 8 | 5 39 59 | 24°45'19 | 0♊ 8 | 13°33 | 17°57 | 8°52 | 21°11 | 1°17 | 9°44 | 15°54 | 0°20 | 17°15 | 17°28 | 13°31 | 15° 7 | S 8 |
| M 9 | 5 43 55 | 25°46'28 | 13°36 | 14°50 | 17°23 | 9° 9 | 21°19 | 1°22 | 9°42 | 15°55 | 0°20 | 17° 2 | 17°24 | 13°38 | 15°14 | M 9 |
| T 10 | 5 47 52 | 26°47'37 | 27°24 | 16° 5 | 16°51 | 9°25 | 21°28 | 1°28 | 9°39 | 15°56 | 0°19 | 16°49 | 17°21 | 13°45 | 15°21 | T 10 |
| W11 | 5 51 48 | 27°48'47 | 11♋28 | 17°16 | 16°20 | 9°41 | 21°37 | 1°33 | 9°37 | 15°57 | 0°18 | 16°37 | 17°18 | 13°51 | 15°27 | W11 |
| T 12 | 5 55 45 | 28°49'57 | 25°43 | 18°23 | 15°50 | 9°57 | 21°45 | 1°38 | 9°34 | 15°57 | 0°18 | 16°27 | 17°15 | 13°58 | 15°34 | T 12 |
| F 13 | 5 59 41 | 29°51'07 | 10♌ 3 | 19°24 | 15°23 | 10°12 | 21°53 | 1°42 | 9°32 | 15°58 | 0°17 | 16°20 | 17°12 | 14° 5 | 15°41 | F 13 |
| S 14 | 6 3 38 | 0♑52'17 | 24°23 | 20°20 | 14°57 | 10°26 | 22° 1 | 1°47 | 9°29 | 15°59 | 0°17 | 16°16 | 17° 9 | 14°11 | 15°47 | S 14 |
| S 15 | 6 7 34 | 1°53'27 | 8♍40 | 21°10 | 14°34 | 10°40 | 22° 9 | 1°52 | 9°26 | 16° 0 | 0°16 | 16°14 | 17° 5 | 14°18 | 15°54 | S 15 |
| M16 | 6 11 31 | 2°54'38 | 22°50 | 21°52 | 14°13 | 10°54 | 22°17 | 1°57 | 9°24 | 16° 1 | 0°16 | 16°D14 | 17° 2 | 14°24 | 16° 0 | M16 |
| T 17 | 6 15 28 | 3°55'49 | 6♎54 | 22°25 | 13°54 | 11° 6 | 22°25 | 2° 1 | 9°21 | 16° 2 | 0°16 | 16°R15 | 16°59 | 14°31 | 16° 6 | T 17 |
| W18 | 6 19 24 | 4°57'00 | 20°49 | 22°50 | 13°38 | 11°19 | 22°33 | 2° 6 | 9°19 | 16° 3 | 0°15 | 16°14 | 16°56 | 14°38 | 16°13 | W18 |
| T 19 | 6 23 21 | 5°58'12 | 4♏37 | 23° 4 | 13°24 | 11°31 | 22°40 | 2°10 | 9°16 | 16° 4 | 0°15 | 16°10 | 16°53 | 14°44 | 16°19 | T 19 |
| F 20 | 6 27 17 | 6°59'23 | 18°16 | 23°R 7 | 13°12 | 11°42 | 22°47 | 2°15 | 9°13 | 16° 5 | 0°14 | 16° 4 | 16°50 | 14°51 | 16°25 | F 20 |
| S 21 | 6 31 14 | 8° 0'35 | 1♐46 | 22°59 | 13° 3 | 11°53 | 22°55 | 2°19 | 9°11 | 16° 6 | 0°14 | 15°56 | 16°46 | 14°58 | 16°31 | S 21 |
| S 22 | 6 35 10 | 9° 1'47 | 15° 5 | 22°39 | 12°57 | 12° 3 | 23° 2 | 2°23 | 9° 8 | 16° 7 | 0°14 | 15°45 | 16°43 | 15° 4 | 16°37 | S 22 |
| M23 | 6 39 7 | 10° 2'58 | 28°12 | 22° 8 | 12°53 | 12°12 | 23° 9 | 2°27 | 9° 6 | 16° 8 | 0°13 | 15°33 | 16°40 | 15°11 | 16°43 | M23 |
| T 24 | 6 43 3 | 11° 4'10 | 11♑ 5 | 21°24 | 12°D52 | 12°21 | 23°15 | 2°31 | 9° 3 | 16° 9 | 0°13 | 15°20 | 16°37 | 15°18 | 16°49 | T 24 |
| W25 | 6 47 0 | 12° 5'21 | 23°44 | 20°31 | 12°53 | 12°29 | 23°22 | 2°35 | 9° 0 | 16°11 | 0°13 | 15° 9 | 16°34 | 15°24 | 16°55 | W25 |
| T 26 | 6 50 57 | 13° 6'31 | 6♒ 8 | 19°28 | 12°56 | 12°37 | 23°29 | 2°39 | 8°58 | 16°12 | 0°13 | 15° 1 | 16°30 | 15°31 | 17° 1 | T 26 |
| F 27 | 6 54 53 | 14° 7'41 | 18°19 | 18°18 | 13° 2 | 12°44 | 23°35 | 2°43 | 8°55 | 16°13 | 0°12 | 14°54 | 16°27 | 15°38 | 17° 6 | F 27 |
| S 28 | 6 58 50 | 15° 8'50 | 0♓18 | 17° 2 | 13°10 | 12°50 | 23°41 | 2°46 | 8°53 | 16°14 | 0°12 | 14°51 | 16°24 | 15°44 | 17°12 | S 28 |
| S 29 | 7 2 46 | 16° 9'59 | 12° 9 | 15°44 | 13°20 | 12°56 | 23°47 | 2°50 | 8°50 | 16°16 | 0°12 | 14°D49 | 16°21 | 15°51 | 17°17 | S 29 |
| M30 | 7 6 43 | 17°11'07 | 23°55 | 14°26 | 13°32 | 13° 1 | 23°53 | 2°54 | 8°48 | 16°17 | 0°12 | 14°50 | 16°18 | 15°58 | 17°23 | M30 |
| T 31 | 7 10 39 | 18♑12'14 | 5♈43 | 13♑ 9 | 13♐47 | 13♍ 5 | 23♎59 | 2♏57 | 8♋45 | 16♓18 | 0♉12 | 14♍51 | 16♍15 | 16♓ 4 | 17♏28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s56 | 8s52 | 1n11 | 25s43 | 2s15 | 22s29 | 0n48 | 11n28 | 2n35 | 6s45 | 1n13 | 9s33 | 2n20 | 23n31 | 0n23 | 6s45 | 1s15 | 3s48 | 16s28 | 4n52 | 4n50 | 6s23 | 14s30 | 1n46 |
| M 2 | 23 2 | 5 23 | 0 9 | 25 39 | 2 14 | 22 11 | 1 4 | 11 23 | 2 36 | 6 49 | 1 14 | 9 35 | 2 20 | 23 31 | 0 23 | 6 45 | 1 15 | 3 48 | 16 28 | 4 52 | 4 51 | 6 21 | 14 32 | 1 46 |
| T 3 | 23 7 | 1 40 | 0s54 | 25 33 | 2 12 | 21 53 | 1 19 | 11 17 | 2 38 | 6 52 | 1 14 | 9 37 | 2 20 | 23 32 | 0 23 | 6 44 | 1 15 | 3 48 | 16 27 | 4 52 | 4 52 | 6 19 | 14 33 | 1 47 |
| W 4 | 23 11 | 2n 9 | 1 54 | 25 26 | 2 10 | 21 35 | 1 35 | 11 11 | 2 40 | 6 55 | 1 14 | 9 39 | 2 20 | 23 32 | 0 23 | 6 44 | 1 15 | 3 48 | 16 27 | 4 52 | 4 53 | 6 17 | 14 35 | 1 47 |
| T 5 | 23 15 | 5 56 | 2 51 | 25 17 | 2 7 | 21 18 | 1 50 | 11 6 | 2 41 | 6 59 | 1 14 | 9 40 | 2 21 | 23 32 | 0 23 | 6 44 | 1 15 | 3 47 | 16 27 | 4 53 | 4 54 | 6 16 | 14 37 | 1 47 |
| F 6 | 23 19 | 9 33 | 3 40 | 25 7 | 2 3 | 21 0 | 2 5 | 11 0 | 2 43 | 7 2 | 1 14 | 9 42 | 2 21 | 23 32 | 0 23 | 6 44 | 1 15 | 3 47 | 16 26 | 4 56 | 4 56 | 6 14 | 14 38 | 1 48 |
| S 7 | 23 22 | 12 49 | 4 20 | 24 55 | 1 59 | 20 42 | 2 20 | 10 55 | 2 44 | 7 5 | 1 14 | 9 44 | 2 21 | 23 32 | 0 23 | 6 43 | 1 14 | 3 47 | 16 26 | 4 59 | 4 57 | 6 12 | 14 40 | 1 48 |
| S 8 | 23 25 | 15 34 | 4 48 | 24 42 | 1 53 | 20 25 | 2 34 | 10 50 | 2 46 | 7 8 | 1 15 | 9 45 | 2 21 | 23 33 | 0 23 | 6 43 | 1 14 | 3 47 | 16 26 | 5 3 | 4 58 | 6 10 | 14 42 | 1 48 |
| M 9 | 23 27 | 17 33 | 5 0 | 24 28 | 1 47 | 20 8 | 2 48 | 10 45 | 2 48 | 7 11 | 1 15 | 9 47 | 2 21 | 23 33 | 0 23 | 6 43 | 1 14 | 3 47 | 16 26 | 5 8 | 4 59 | 6 9 | 14 43 | 1 49 |
| T 10 | 23 29 | 18 34 | 4 56 | 24 12 | 1 40 | 19 52 | 3 1 | 10 41 | 2 50 | 7 14 | 1 15 | 9 49 | 2 21 | 23 33 | 0 23 | 6 43 | 1 14 | 3 47 | 16 25 | 5 13 | 5 1 | 6 7 | 14 45 | 1 49 |
| W11 | 23 30 | 18 29 | 4 33 | 23 55 | 1 32 | 19 36 | 3 14 | 10 36 | 2 51 | 7 17 | 1 15 | 9 50 | 2 22 | 23 33 | 0 23 | 6 42 | 1 14 | 3 47 | 16 25 | 5 18 | 5 2 | 6 5 | 14 47 | 1 50 |
| T 12 | 23 31 | 17 14 | 3 54 | 23 37 | 1 23 | 19 21 | 3 26 | 10 32 | 2 53 | 7 20 | 1 15 | 9 52 | 2 22 | 23 33 | 0 23 | 6 42 | 1 14 | 3 47 | 16 25 | 5 22 | 5 3 | 6 3 | 14 48 | 1 50 |
| F 13 | 23 31 | 14 55 | 2 59 | 23 19 | 1 13 | 19 6 | 3 38 | 10 28 | 2 55 | 7 23 | 1 15 | 9 53 | 2 22 | 23 34 | 0 23 | 6 42 | 1 14 | 3 47 | 16 24 | 5 25 | 5 4 | 6 2 | 14 50 | 1 50 |
| S 14 | 23 31 | 11 39 | 1 53 | 22 59 | 1 1 | 18 52 | 3 49 | 10 24 | 2 56 | 7 26 | 1 16 | 9 55 | 2 22 | 23 34 | 0 23 | 6 41 | 1 14 | 3 47 | 16 24 | 5 26 | 5 6 | 6 0 | 14 51 | 1 51 |
| S 15 | 23 30 | 7 44 | 0 40 | 22 39 | 0 49 | 18 39 | 4 0 | 10 20 | 2 58 | 7 29 | 1 16 | 9 56 | 2 22 | 23 34 | 0 23 | 6 41 | 1 14 | 3 46 | 16 24 | 5 27 | 5 7 | 5 58 | 14 53 | 1 51 |
| M16 | 23 29 | 3 23 | 0n35 | 22 19 | 0 36 | 18 27 | 4 10 | 10 17 | 3 0 | 7 32 | 1 16 | 9 58 | 2 22 | 23 34 | 0 23 | 6 40 | 1 14 | 3 46 | 16 23 | 5 27 | 5 8 | 5 56 | 14 54 | 1 52 |
| T 17 | 23 28 | 1s 6 | 1 47 | 21 59 | 0 21 | 18 15 | 4 19 | 10 13 | 3 2 | 7 34 | 1 16 | 9 59 | 2 23 | 23 34 | 0 23 | 6 40 | 1 14 | 3 46 | 16 23 | 5 27 | 5 9 | 5 55 | 14 56 | 1 52 |
| W18 | 23 26 | 5 29 | 2 53 | 21 40 | 0 5 | 18 5 | 4 28 | 10 10 | 3 4 | 7 37 | 1 16 | 10 0 | 2 23 | 23 35 | 0 23 | 6 40 | 1 14 | 3 46 | 16 23 | 5 27 | 5 11 | 5 53 | 14 57 | 1 52 |
| T 19 | 23 23 | 9 32 | 3 47 | 21 21 | 0n12 | 17 55 | 4 36 | 10 8 | 3 5 | 7 40 | 1 17 | 10 2 | 2 23 | 23 35 | 0 23 | 6 39 | 1 14 | 3 46 | 16 22 | 5 28 | 5 12 | 5 51 | 14 58 | 1 53 |
| F 20 | 23 20 | 13 2 | 4 28 | 21 3 | 0 30 | 17 47 | 4 43 | 10 5 | 3 7 | 7 42 | 1 17 | 10 3 | 2 23 | 23 35 | 0 23 | 6 39 | 1 14 | 3 46 | 16 22 | 5 31 | 5 13 | 5 49 | 15 0 | 1 53 |
| S 21 | 23 17 | 15 47 | 4 54 | 20 46 | 0 48 | 17 39 | 4 50 | 10 3 | 3 9 | 7 45 | 1 17 | 10 4 | 2 23 | 23 35 | 0 23 | 6 38 | 1 14 | 3 45 | 16 22 | 5 34 | 5 14 | 5 48 | 15 1 | 1 54 |
| S 22 | 23 13 | 17 40 | 5 3 | 20 30 | 1 7 | 17 32 | 4 56 | 10 0 | 3 11 | 7 47 | 1 17 | 10 6 | 2 24 | 23 35 | 0 23 | 6 38 | 1 14 | 3 45 | 16 21 | 5 38 | 5 16 | 5 46 | 15 2 | 1 54 |
| M23 | 23 8 | 18 35 | 4 55 | 20 17 | 1 26 | 17 26 | 5 2 | 9 58 | 3 13 | 7 50 | 1 17 | 10 7 | 2 24 | 23 35 | 0 23 | 6 37 | 1 14 | 3 45 | 16 21 | 5 43 | 5 17 | 5 44 | 15 4 | 1 54 |
| T 24 | 23 3 | 18 31 | 4 33 | 20 4 | 1 45 | 17 21 | 5 7 | 9 57 | 3 15 | 7 52 | 1 18 | 10 8 | 2 24 | 23 36 | 0 23 | 6 37 | 1 14 | 3 45 | 16 21 | 5 48 | 5 18 | 5 42 | 15 5 | 1 55 |
| W25 | 22 58 | 17 31 | 3 58 | 19 54 | 2 4 | 17 17 | 5 11 | 9 55 | 3 17 | 7 54 | 1 18 | 10 9 | 2 24 | 23 36 | 0 23 | 6 36 | 1 14 | 3 45 | 16 20 | 5 52 | 5 19 | 5 41 | 15 6 | 1 55 |
| T 26 | 22 52 | 15 43 | 3 11 | 19 46 | 2 22 | 17 13 | 5 15 | 9 54 | 3 19 | 7 56 | 1 18 | 10 10 | 2 25 | 23 36 | 0 23 | 6 36 | 1 14 | 3 44 | 16 20 | 5 55 | 5 21 | 5 39 | 15 7 | 1 56 |
| F 27 | 22 46 | 13 13 | 2 17 | 19 40 | 2 38 | 17 10 | 5 18 | 9 53 | 3 20 | 7 59 | 1 18 | 10 11 | 2 25 | 23 36 | 0 23 | 6 35 | 1 14 | 3 44 | 16 20 | 5 58 | 5 22 | 5 37 | 15 9 | 1 56 |
| S 28 | 22 39 | 10 12 | 1 17 | 19 35 | 2 52 | 17 8 | 5 21 | 9 52 | 3 22 | 8 1 | 1 18 | 10 12 | 2 25 | 23 36 | 0 23 | 6 35 | 1 14 | 3 44 | 16 19 | 5 59 | 5 23 | 5 35 | 15 10 | 1 57 |
| S 29 | 22 32 | 6 48 | 0 14 | 19 32 | 3 4 | 17 7 | 5 24 | 9 52 | 3 24 | 8 3 | 1 19 | 10 13 | 2 25 | 23 37 | 0 23 | 6 34 | 1 14 | 3 43 | 16 19 | 6 0 | 5 24 | 5 33 | 15 11 | 1 57 |
| M30 | 22 25 | 3 10 | 0s49 | 19 31 | 3 14 | 17 7 | 5 26 | 9 52 | 3 26 | 8 5 | 1 19 | 10 14 | 2 25 | 23 37 | 0 23 | 6 34 | 1 14 | 3 43 | 16 19 | 6 0 | 5 25 | 5 32 | 15 12 | 1 57 |
| T 31 | 22s17 | 0n36 | 1s50 | 19s31 | 3n22 | 17s 7 | 5n27 | 9n52 | 3n28 | 8s 7 | 1n19 | 10s15 | 2n26 | 23n37 | 0n23 | 6s33 | 1s14 | 3s43 | 16s18 | 5n59 | 5n27 | 5s30 | 15s13 | 1n58 |

Julian Day Number = 2219593.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'54, Lahiri = 14°59'55 Julian Calendar 1 Dec. 1364 == Greg. Calendar 9 Dec. 1364


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## JANUARY 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 14 36 | 19♑13'20 | 17♈37 | 11°R57 | 14♐ 4 | 13♍ 9 | 24♎ 4 | 3♏ 0 | 8°R42 | 16♓20 | 0°R12 | 14°R51 | 16♍11 | 16♓11 | 17♏33 | W 1 |
| T 2 | 7 18 32 | 20°14'25 | 29°42 | 10♑50 | 14°22 | 13°12 | 24°10 | 3° 4 | 8♋40 | 16°21 | 0♉12 | 14♍51 | 16° 8 | 16°17 | 17°38 | T 2 |
| F 3 | 7 22 29 | 21°15'29 | 12♉ 4 | 9°51 | 14°43 | 13°14 | 24°15 | 3° 7 | 8°37 | 16°23 | 0°11 | 14°48 | 16° 5 | 16°24 | 17°44 | F 3 |
| S 4 | 7 26 26 | 22°16'33 | 24°48 | 9° 1 | 15° 5 | 13°15 | 24°20 | 3°10 | 8°35 | 16°24 | 0°11 | 14°44 | 16° 2 | 16°31 | 17°49 | S 4 |
| S 5 | 7 30 22 | 23°17'35 | 7♊56 | 8°19 | 15°30 | 13°R16 | 24°25 | 3°13 | 8°32 | 16°26 | 0°D11 | 14°37 | 15°59 | 16°37 | 17°54 | S 5 |
| M 6 | 7 34 19 | 24°18'36 | 21°31 | 7°46 | 15°56 | 13°16 | 24°30 | 3°16 | 8°30 | 16°27 | 0°11 | 14°29 | 15°56 | 16°44 | 17°58 | M 6 |
| T 7 | 7 38 15 | 25°19'37 | 5♋31 | 7°23 | 16°23 | 13°15 | 24°34 | 3°18 | 8°27 | 16°29 | 0°11 | 14°20 | 15°52 | 16°51 | 18° 3 | T 7 |
| W 8 | 7 42 12 | 26°20'36 | 19°53 | 7° 8 | 16°53 | 13°14 | 24°39 | 3°21 | 8°25 | 16°30 | 0°11 | 14°12 | 15°49 | 16°57 | 18° 8 | W 8 |
| T 9 | 7 46 8 | 27°21'35 | 4♌31 | 7°D 3 | 17°24 | 13°11 | 24°43 | 3°24 | 8°22 | 16°32 | 0°12 | 14° 6 | 15°46 | 17° 4 | 18°12 | T 9 |
| F 10 | 7 50 5 | 28°22'32 | 19°18 | 7° 5 | 17°56 | 13° 8 | 24°47 | 3°26 | 8°20 | 16°34 | 0°12 | 14° 1 | 15°43 | 17°11 | 18°17 | F 10 |
| S 11 | 7 54 1 | 29°23'29 | 4♍ 6 | 7°14 | 18°30 | 13° 4 | 24°51 | 3°28 | 8°18 | 16°35 | 0°12 | 13°59 | 15°40 | 17°17 | 18°21 | S 11 |
| S 12 | 7 57 58 | 0♒24'25 | 18°47 | 7°31 | 19° 6 | 13° 0 | 24°55 | 3°31 | 8°15 | 16°37 | 0°12 | 13°D59 | 15°36 | 17°24 | 18°26 | S 12 |
| M13 | 8 1 55 | 1°25'20 | 3♎17 | 7°53 | 19°42 | 12°54 | 24°58 | 3°33 | 8°13 | 16°39 | 0°12 | 14° 0 | 15°33 | 17°31 | 18°30 | M13 |
| T 14 | 8 5 51 | 2°26'14 | 17°32 | 8°22 | 20°20 | 12°48 | 25° 2 | 3°35 | 8°11 | 16°40 | 0°12 | 14° 1 | 15°30 | 17°37 | 18°34 | T 14 |
| W15 | 8 9 48 | 3°27'08 | 1♏31 | 8°56 | 20°59 | 12°41 | 25° 5 | 3°37 | 8° 8 | 16°42 | 0°12 | 14°R 2 | 15°27 | 17°44 | 18°38 | W15 |
| T 16 | 8 13 44 | 4°28'01 | 15°14 | 9°35 | 21°40 | 12°34 | 25° 8 | 3°39 | 8° 6 | 16°44 | 0°13 | 14° 1 | 15°24 | 17°50 | 18°42 | T 16 |
| F 17 | 8 17 41 | 5°28'53 | 28°40 | 10°19 | 22°22 | 12°25 | 25°11 | 3°41 | 8° 4 | 16°46 | 0°13 | 13°59 | 15°21 | 17°57 | 18°46 | F 17 |
| S 18 | 8 21 37 | 6°29'44 | 11♐52 | 11° 6 | 23° 4 | 12°16 | 25°13 | 3°42 | 8° 2 | 16°48 | 0°13 | 13°55 | 15°17 | 18° 4 | 18°49 | S 18 |
| S 19 | 8 25 34 | 7°30'34 | 24°50 | 11°57 | 23°48 | 12° 5 | 25°16 | 3°44 | 7°59 | 16°49 | 0°13 | 13°49 | 15°14 | 18°10 | 18°53 | S 19 |
| M20 | 8 29 30 | 8°31'23 | 7♑34 | 12°52 | 24°33 | 11°54 | 25°18 | 3°46 | 7°57 | 16°51 | 0°14 | 13°43 | 15°11 | 18°17 | 18°57 | M20 |
| T 21 | 8 33 27 | 9°32'11 | 20° 7 | 13°49 | 25°18 | 11°43 | 25°20 | 3°47 | 7°55 | 16°53 | 0°14 | 13°36 | 15° 8 | 18°24 | 19° 0 | T 21 |
| W22 | 8 37 24 | 10°32'57 | 2♒28 | 14°50 | 26° 5 | 11°30 | 25°22 | 3°48 | 7°53 | 16°55 | 0°14 | 13°31 | 15° 5 | 18°30 | 19° 3 | W22 |
| T 23 | 8 41 20 | 11°33'42 | 14°38 | 15°53 | 26°53 | 11°17 | 25°24 | 3°49 | 7°51 | 16°57 | 0°15 | 13°26 | 15° 2 | 18°37 | 19° 7 | T 23 |
| F 24 | 8 45 17 | 12°34'26 | 26°40 | 16°58 | 27°41 | 11° 3 | 25°26 | 3°50 | 7°49 | 16°59 | 0°15 | 13°23 | 14°58 | 18°44 | 19°10 | F 24 |
| S 25 | 8 49 13 | 13°35'09 | 8♓33 | 18° 6 | 28°30 | 10°48 | 25°27 | 3°51 | 7°47 | 17° 1 | 0°16 | 13°D22 | 14°55 | 18°50 | 19°13 | S 25 |
| S 26 | 8 53 10 | 14°35'49 | 20°22 | 19°16 | 29°20 | 10°33 | 25°28 | 3°52 | 7°45 | 17° 3 | 0°16 | 13°22 | 14°52 | 18°57 | 19°16 | S 26 |
| M27 | 8 57 6 | 15°36'29 | 2♈ 8 | 20°27 | 0♑11 | 10°16 | 25°29 | 3°53 | 7°43 | 17° 5 | 0°16 | 13°23 | 14°49 | 19° 4 | 19°19 | M27 |
| T 28 | 9 1 3 | 16°37'06 | 13°56 | 21°41 | 1° 2 | 9°59 | 25°30 | 3°54 | 7°41 | 17° 7 | 0°17 | 13°25 | 14°46 | 19°10 | 19°21 | T 28 |
| W29 | 9 4 59 | 17°37'42 | 25°49 | 22°56 | 1°54 | 9°42 | 25°31 | 3°54 | 7°40 | 17° 9 | 0°17 | 13°27 | 14°42 | 19°17 | 19°24 | W29 |
| T 30 | 9 8 56 | 18°38'16 | 7♉53 | 24°13 | 2°47 | 9°24 | 25°31 | 3°55 | 7°38 | 17°11 | 0°18 | 13°28 | 14°39 | 19°24 | 19°27 | T 30 |
| F 31 | 9 12 53 | 19♒38'48 | 20♉12 | 25♑31 | 3♑41 | 9♍ 5 | 25♎31 | 3♏55 | 7♋36 | 17♓13 | 0♉19 | 13°R28 | 14♍36 | 19♓30 | 19♏29 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s 8 | 4n22 | 2s47 | 19s33 | 3n26 | 17s 8 | 5n28 | 9n52 | 3n30 | 8s 8 | 1n19 | 10s16 | 2n26 | 23n37 | 0n23 | 6s33 | 1s14 | 3s43 | 16s18 | 5n59 | 5n28 | 5s28 | 15s14 | 1n58 |
| T 2 | 21 59 | 8 1 | 3 37 | 19 36 | 3 29 | 17 9 | 5 29 | 9 53 | 3 32 | 8 10 | 1 19 | 10 17 | 2 26 | 23 37 | 0 23 | 6 32 | 1 14 | 3 42 | 16 18 | 5 59 | 5 29 | 5 26 | 15 15 | 1 59 |
| F 3 | 21 50 | 11 24 | 4 19 | 19 41 | 3 29 | 17 11 | 5 30 | 9 54 | 3 34 | 8 12 | 1 20 | 10 18 | 2 26 | 23 37 | 0 23 | 6 31 | 1 14 | 3 42 | 16 17 | 6 0 | 5 30 | 5 25 | 15 16 | 1 59 |
| S 4 | 21 40 | 14 21 | 4 49 | 19 46 | 3 27 | 17 13 | 5 30 | 9 55 | 3 36 | 8 14 | 1 20 | 10 19 | 2 27 | 23 38 | 0 23 | 6 31 | 1 14 | 3 42 | 16 17 | 6 2 | 5 32 | 5 23 | 15 17 | 2 0 |
| S 5 | 21 30 | 16 41 | 5 5 | 19 53 | 3 23 | 17 16 | 5 29 | 9 57 | 3 38 | 8 15 | 1 20 | 10 20 | 2 27 | 23 38 | 0 23 | 6 30 | 1 14 | 3 41 | 16 17 | 6 5 | 5 33 | 5 21 | 15 18 | 2 0 |
| M 6 | 21 20 | 18 10 | 5 5 | 20 0 | 3 18 | 17 20 | 5 29 | 9 58 | 3 39 | 8 17 | 1 20 | 10 20 | 2 27 | 23 38 | 0 23 | 6 30 | 1 14 | 3 41 | 16 16 | 6 8 | 5 34 | 5 19 | 15 19 | 2 1 |
| T 7 | 21 9 | 18 38 | 4 47 | 20 8 | 3 11 | 17 23 | 5 28 | 10 0 | 3 41 | 8 18 | 1 21 | 10 21 | 2 27 | 23 38 | 0 23 | 6 29 | 1 14 | 3 41 | 16 16 | 6 11 | 5 35 | 5 17 | 15 20 | 2 1 |
| W 8 | 20 57 | 17 55 | 4 10 | 20 16 | 3 3 | 17 27 | 5 26 | 10 3 | 3 43 | 8 20 | 1 21 | 10 22 | 2 27 | 23 38 | 0 23 | 6 28 | 1 14 | 3 40 | 16 16 | 6 14 | 5 37 | 5 16 | 15 21 | 2 1 |
| T 9 | 20 45 | 16 0 | 3 17 | 20 25 | 2 55 | 17 32 | 5 25 | 10 5 | 3 45 | 8 21 | 1 21 | 10 22 | 2 28 | 23 38 | 0 23 | 6 28 | 1 14 | 3 40 | 16 15 | 6 17 | 5 38 | 5 14 | 15 21 | 2 2 |
| F 10 | 20 33 | 13 2 | 2 10 | 20 35 | 2 45 | 17 36 | 5 23 | 10 8 | 3 47 | 8 22 | 1 21 | 10 23 | 2 28 | 23 39 | 0 23 | 6 27 | 1 13 | 3 40 | 16 15 | 6 18 | 5 39 | 5 12 | 15 22 | 2 2 |
| S 11 | 20 21 | 9 13 | 0 53 | 20 44 | 2 35 | 17 41 | 5 21 | 10 11 | 3 49 | 8 23 | 1 21 | 10 24 | 2 28 | 23 39 | 0 23 | 6 26 | 1 13 | 3 39 | 16 14 | 6 19 | 5 40 | 5 10 | 15 23 | 2 3 |
| S 12 | 20 8 | 4 51 | 0n26 | 20 53 | 2 25 | 17 46 | 5 19 | 10 15 | 3 51 | 8 25 | 1 22 | 10 24 | 2 28 | 23 39 | 0 23 | 6 26 | 1 13 | 3 39 | 16 14 | 6 19 | 5 42 | 5 9 | 15 24 | 2 3 |
| M13 | 19 55 | 0 16 | 1 43 | 21 3 | 2 15 | 17 52 | 5 17 | 10 19 | 3 52 | 8 26 | 1 22 | 10 25 | 2 29 | 23 39 | 0 23 | 6 25 | 1 13 | 3 39 | 16 14 | 6 19 | 5 43 | 5 7 | 15 24 | 2 4 |
| T 14 | 19 41 | 4s15 | 2 52 | 21 12 | 2 4 | 17 57 | 5 14 | 10 23 | 3 54 | 8 27 | 1 22 | 10 25 | 2 29 | 23 39 | 0 23 | 6 24 | 1 13 | 3 38 | 16 13 | 6 19 | 5 44 | 5 5 | 15 25 | 2 4 |
| W15 | 19 27 | 8 27 | 3 50 | 21 20 | 1 53 | 18 2 | 5 11 | 10 27 | 3 56 | 8 28 | 1 22 | 10 26 | 2 29 | 23 39 | 0 23 | 6 24 | 1 13 | 3 38 | 16 13 | 6 18 | 5 45 | 5 3 | 15 26 | 2 5 |
| T 16 | 19 12 | 12 6 | 4 33 | 21 28 | 1 42 | 18 8 | 5 8 | 10 31 | 3 58 | 8 29 | 1 23 | 10 26 | 2 29 | 23 39 | 0 23 | 6 23 | 1 13 | 3 37 | 16 13 | 6 18 | 5 46 | 5 1 | 15 26 | 2 5 |
| F 17 | 18 58 | 15 3 | 5 0 | 21 36 | 1 31 | 18 14 | 5 5 | 10 36 | 3 59 | 8 29 | 1 23 | 10 26 | 2 30 | 23 40 | 0 23 | 6 22 | 1 13 | 3 37 | 16 12 | 6 19 | 5 48 | 5 0 | 15 27 | 2 6 |
| S 18 | 18 43 | 17 9 | 5 11 | 21 43 | 1 20 | 18 19 | 5 1 | 10 41 | 4 1 | 8 30 | 1 23 | 10 27 | 2 30 | 23 40 | 0 23 | 6 21 | 1 13 | 3 36 | 16 12 | 6 21 | 5 49 | 4 58 | 15 27 | 2 6 |
| S 19 | 18 27 | 18 20 | 5 5 | 21 49 | 1 10 | 18 25 | 4 58 | 10 47 | 4 3 | 8 31 | 1 23 | 10 27 | 2 30 | 23 40 | 0 23 | 6 21 | 1 13 | 3 36 | 16 12 | 6 23 | 5 50 | 4 56 | 15 28 | 2 7 |
| M20 | 18 12 | 18 34 | 4 45 | 21 55 | 0 59 | 18 31 | 4 54 | 10 53 | 4 4 | 8 31 | 1 24 | 10 27 | 2 30 | 23 40 | 0 23 | 6 20 | 1 13 | 3 36 | 16 11 | 6 26 | 5 51 | 4 54 | 15 28 | 2 7 |
| T 21 | 17 55 | 17 52 | 4 11 | 21 59 | 0 49 | 18 36 | 4 50 | 10 58 | 4 6 | 8 32 | 1 24 | 10 27 | 2 31 | 23 40 | 0 23 | 6 19 | 1 13 | 3 35 | 16 11 | 6 28 | 5 53 | 4 52 | 15 29 | 2 8 |
| W22 | 17 39 | 16 21 | 3 25 | 22 3 | 0 39 | 18 42 | 4 46 | 11 5 | 4 7 | 8 32 | 1 24 | 10 28 | 2 31 | 23 40 | 0 23 | 6 18 | 1 13 | 3 35 | 16 11 | 6 30 | 5 54 | 4 51 | 15 29 | 2 8 |
| T 23 | 17 22 | 14 5 | 2 31 | 22 6 | 0 29 | 18 47 | 4 42 | 11 11 | 4 9 | 8 33 | 1 24 | 10 28 | 2 31 | 23 40 | 0 23 | 6 18 | 1 13 | 3 34 | 16 10 | 6 32 | 5 55 | 4 49 | 15 30 | 2 9 |
| F 24 | 17 5 | 11 15 | 1 30 | 22 7 | 0 19 | 18 52 | 4 38 | 11 18 | 4 10 | 8 33 | 1 25 | 10 28 | 2 31 | 23 40 | 0 23 | 6 17 | 1 13 | 3 34 | 16 10 | 6 33 | 5 56 | 4 47 | 15 30 | 2 9 |
| S 25 | 16 48 | 7 59 | 0 26 | 22 8 | 0 9 | 18 57 | 4 33 | 11 25 | 4 11 | 8 34 | 1 25 | 10 28 | 2 32 | 23 41 | 0 23 | 6 16 | 1 13 | 3 33 | 16 10 | 6 34 | 5 58 | 4 45 | 15 30 | 2 10 |
| S 26 | 16 30 | 4 25 | 0s38 | 22 8 | 0 0 | 19 2 | 4 29 | 11 32 | 4 12 | 8 34 | 1 25 | 10 28 | 2 32 | 23 41 | 0 23 | 6 15 | 1 13 | 3 33 | 16 9 | 6 34 | 5 59 | 4 43 | 15 31 | 2 10 |
| M27 | 16 13 | 0 42 | 1 42 | 22 6 | 0s 9 | 19 7 | 4 24 | 11 39 | 4 14 | 8 34 | 1 25 | 10 28 | 2 32 | 23 41 | 0 23 | 6 14 | 1 13 | 3 32 | 16 9 | 6 33 | 6 0 | 4 42 | 15 31 | 2 11 |
| T 28 | 15 54 | 3n 3 | 2 41 | 22 3 | 0 17 | 19 11 | 4 20 | 11 46 | 4 15 | 8 34 | 1 25 | 10 28 | 2 32 | 23 41 | 0 23 | 6 14 | 1 13 | 3 32 | 16 8 | 6 33 | 6 1 | 4 40 | 15 31 | 2 11 |
| W29 | 15 36 | 6 42 | 3 33 | 21 59 | 0 26 | 19 15 | 4 15 | 11 54 | 4 16 | 8 34 | 1 26 | 10 28 | 2 33 | 23 41 | 0 23 | 6 13 | 1 13 | 3 31 | 16 8 | 6 32 | 6 2 | 4 38 | 15 31 | 2 12 |
| T 30 | 15 17 | 10 8 | 4 17 | 21 54 | 0 34 | 19 19 | 4 10 | 12 2 | 4 17 | 8 34 | 1 26 | 10 28 | 2 33 | 23 41 | 0 23 | 6 12 | 1 13 | 3 31 | 16 8 | 6 31 | 6 4 | 4 36 | 15 32 | 2 12 |
| F 31 | 14s58 | 13n11 | 4s50 | 21s48 | 0s42 | 19s23 | 4n 5 | 12n10 | 4n18 | 8s34 | 1n26 | 10s28 | 2n33 | 23n41 | 0n23 | 6s11 | 1s13 | 3s31 | 16s 7 | 6n31 | 6n 5 | 4s34 | 15s32 | 2n13 |

Julian Day Number = 2219624.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°52'59, Lahiri = 14°59'59 Julian Calendar 1 Jan. 1365 == Greg. Calendar 9 Jan. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## FEBRUARY 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 16 49 | 20♒39'19 | 2♊51 | 26♉50 | 4♉35 | 8°R46 | 25°R31 | 3♏55 | 7°R34 | 17♓15 | 0♉19 | 13°R28 | 14♍33 | 19♓37 | 19♏31 | S 1 |
| S 2 | 9 20 46 | 21°39'47 | 15°54 | 28°11 | 5°29 | 8♍26 | 25♎31 | 3°55 | 7♋33 | 17°17 | 0°20 | 13♍26 | 14°30 | 19°43 | 19°34 | S 2 |
| M 3 | 9 24 42 | 22°40'14 | 29°24 | 29°34 | 6°24 | 8° 5 | 25°31 | 3°R56 | 7°31 | 17°19 | 0°20 | 13°24 | 14°27 | 19°50 | 19°36 | M 3 |
| T 4 | 9 28 39 | 23°40'39 | 13♋22 | 0♒57 | 7°20 | 7°44 | 25°30 | 3°55 | 7°29 | 17°21 | 0°21 | 13°21 | 14°23 | 19°57 | 19°38 | T 4 |
| W 5 | 9 32 35 | 24°41'02 | 27°46 | 2°22 | 8°17 | 7°23 | 25°30 | 3°55 | 7°28 | 17°23 | 0°22 | 13°18 | 14°20 | 20° 3 | 19°40 | W 5 |
| T 6 | 9 36 32 | 25°41'23 | 12♌33 | 3°48 | 9°13 | 7° 1 | 25°29 | 3°55 | 7°26 | 17°26 | 0°22 | 13°16 | 14°17 | 20°10 | 19°41 | T 6 |
| F 7 | 9 40 28 | 26°41'42 | 27°34 | 5°15 | 10°11 | 6°39 | 25°28 | 3°55 | 7°25 | 17°28 | 0°23 | 13°15 | 14°14 | 20°17 | 19°43 | F 7 |
| S 8 | 9 44 25 | 27°41'59 | 12♍42 | 6°43 | 11° 8 | 6°17 | 25°26 | 3°54 | 7°24 | 17°30 | 0°24 | 13°D14 | 14°11 | 20°23 | 19°45 | S 8 |
| S 9 | 9 48 22 | 28°42'15 | 27°46 | 8°12 | 12° 7 | 5°54 | 25°25 | 3°54 | 7°22 | 17°32 | 0°24 | 13°15 | 14° 8 | 20°30 | 19°46 | S 9 |
| M10 | 9 52 18 | 29°42'29 | 12♎40 | 9°43 | 13° 5 | 5°31 | 25°23 | 3°53 | 7°21 | 17°34 | 0°25 | 13°15 | 14° 4 | 20°37 | 19°47 | M10 |
| T 11 | 9 56 15 | 0♓42'42 | 27°16 | 11°14 | 14° 5 | 5° 8 | 25°21 | 3°52 | 7°20 | 17°36 | 0°26 | 13°16 | 14° 1 | 20°43 | 19°49 | T 11 |
| W12 | 10 0 11 | 1°42'53 | 11♏29 | 12°47 | 15° 4 | 4°44 | 25°19 | 3°51 | 7°18 | 17°39 | 0°27 | 13°17 | 13°58 | 20°50 | 19°50 | W12 |
| T 13 | 10 4 8 | 2°43'02 | 25°20 | 14°21 | 16° 4 | 4°20 | 25°17 | 3°50 | 7°17 | 17°41 | 0°27 | 13°18 | 13°55 | 20°57 | 19°51 | T 13 |
| F 14 | 10 8 4 | 3°43'10 | 8♐47 | 15°56 | 17° 4 | 3°57 | 25°15 | 3°49 | 7°16 | 17°43 | 0°28 | 13°R18 | 13°52 | 21° 3 | 19°52 | F 14 |
| S 15 | 10 12 1 | 4°43'17 | 21°52 | 17°31 | 18° 5 | 3°33 | 25°12 | 3°48 | 7°15 | 17°45 | 0°29 | 13°18 | 13°48 | 21°10 | 19°53 | S 15 |
| S 16 | 10 15 57 | 5°43'22 | 4♑39 | 19° 8 | 19° 6 | 3° 9 | 25°10 | 3°47 | 7°14 | 17°48 | 0°30 | 13°17 | 13°45 | 21°16 | 19°53 | S 16 |
| M17 | 10 19 54 | 6°43'25 | 17° 9 | 20°47 | 20° 8 | 2°46 | 25° 7 | 3°45 | 7°13 | 17°50 | 0°31 | 13°16 | 13°42 | 21°23 | 19°54 | M17 |
| T 18 | 10 23 51 | 7°43'26 | 29°26 | 22°26 | 21° 9 | 2°22 | 25° 4 | 3°44 | 7°12 | 17°52 | 0°32 | 13°15 | 13°39 | 21°30 | 19°54 | T 18 |
| W19 | 10 27 47 | 8°43'26 | 11♒33 | 24° 6 | 22°11 | 1°58 | 25° 0 | 3°42 | 7°11 | 17°54 | 0°32 | 13°14 | 13°36 | 21°36 | 19°55 | W19 |
| T 20 | 10 31 44 | 9°43'24 | 23°31 | 25°47 | 23°14 | 1°35 | 24°57 | 3°41 | 7°10 | 17°57 | 0°33 | 13°14 | 13°33 | 21°43 | 19°55 | T 20 |
| F 21 | 10 35 40 | 10°43'20 | 5♓23 | 27°30 | 24°16 | 1°12 | 24°53 | 3°39 | 7°10 | 17°59 | 0°34 | 13°14 | 13°29 | 21°50 | 19°55 | F 21 |
| S 22 | 10 39 37 | 11°43'14 | 17°12 | 29°14 | 25°19 | 0°49 | 24°49 | 3°37 | 7° 9 | 18° 1 | 0°35 | 13°D14 | 13°26 | 21°56 | 19°R55 | S 22 |
| S 23 | 10 43 33 | 12°43'06 | 28°59 | 0♓58 | 26°23 | 0°27 | 24°45 | 3°35 | 7° 8 | 18° 3 | 0°36 | 13°R14 | 13°23 | 22° 3 | 19°55 | S 23 |
| M24 | 10 47 30 | 13°42'55 | 10♈47 | 2°44 | 27°26 | 0° 5 | 24°41 | 3°33 | 7° 8 | 18° 6 | 0°37 | 13°14 | 13°20 | 22°10 | 19°55 | M24 |
| T 25 | 10 51 26 | 14°42'43 | 22°38 | 4°32 | 28°30 | 29♌43 | 24°37 | 3°31 | 7° 7 | 18° 8 | 0°38 | 13°14 | 13°17 | 22°16 | 19°55 | T 25 |
| W26 | 10 55 23 | 15°42'29 | 4♉35 | 6°20 | 29°34 | 29°22 | 24°32 | 3°29 | 7° 6 | 18°10 | 0°39 | 13°13 | 13°13 | 22°23 | 19°54 | W26 |
| T 27 | 10 59 19 | 16°42'12 | 16°42 | 8°10 | 0♒38 | 29° 1 | 24°28 | 3°26 | 7° 6 | 18°12 | 0°40 | 13°13 | 13°10 | 22°30 | 19°54 | T 27 |
| F 28 | 11 3 16 | 17♓41'54 | 29♉ 2 | 10♓ 0 | 1♒42 | 28♌41 | 24♎23 | 3♏24 | 7♋ 6 | 18♓15 | 0♉41 | 13♍13 | 13♍ 7 | 22♓36 | 19♏53 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s39 | 15n43 | 5s10 | 21s40 | 0s50 | 19s26 | 4n 0 | 12n18 | 4n18 | 8s34 | 1n26 | 10s28 | 2n33 | 23n41 | 0n23 | 6s10 | 1s13 | 3s30 | 16s 7 | 6n31 | 6n 6 | 4s33 | 15s32 | 2n13 |
| S 2 | 14 20 | 17 32 | 5 15 | 21 31 | 0 57 | 19 29 | 3 55 | 12 26 | 4 19 | 8 33 | 1 27 | 10 28 | 2 34 | 23 41 | 0 23 | 6 10 | 1 13 | 3 30 | 16 7 | 6 32 | 6 7 | 4 31 | 15 32 | 2 14 |
| M 3 | 14 0 | 18 27 | 5 4 | 21 21 | 1 4 | 19 32 | 3 50 | 12 34 | 4 20 | 8 33 | 1 27 | 10 27 | 2 34 | 23 41 | 0 23 | 6 9 | 1 13 | 3 29 | 16 7 | 6 33 | 6 9 | 4 29 | 15 32 | 2 14 |
| T 4 | 13 40 | 18 18 | 4 34 | 21 10 | 1 11 | 19 34 | 3 45 | 12 43 | 4 20 | 8 33 | 1 27 | 10 27 | 2 34 | 23 42 | 0 23 | 6 8 | 1 13 | 3 28 | 16 6 | 6 34 | 6 10 | 4 27 | 15 32 | 2 15 |
| W 5 | 13 20 | 16 59 | 3 46 | 20 57 | 1 17 | 19 36 | 3 40 | 12 51 | 4 21 | 8 32 | 1 27 | 10 27 | 2 34 | 23 42 | 0 23 | 6 7 | 1 13 | 3 28 | 16 6 | 6 35 | 6 11 | 4 25 | 15 32 | 2 15 |
| T 6 | 13 0 | 14 30 | 2 42 | 20 43 | 1 23 | 19 38 | 3 35 | 13 0 | 4 21 | 8 32 | 1 28 | 10 27 | 2 35 | 23 42 | 0 23 | 6 6 | 1 13 | 3 27 | 16 6 | 6 36 | 6 12 | 4 24 | 15 32 | 2 16 |
| F 7 | 12 39 | 11 1 | 1 26 | 20 27 | 1 29 | 19 39 | 3 29 | 13 8 | 4 21 | 8 31 | 1 28 | 10 26 | 2 35 | 23 42 | 0 23 | 6 5 | 1 13 | 3 27 | 16 5 | 6 36 | 6 14 | 4 22 | 15 32 | 2 16 |
| S 8 | 12 19 | 6 46 | 0 3 | 20 10 | 1 34 | 19 40 | 3 24 | 13 17 | 4 21 | 8 30 | 1 28 | 10 26 | 2 35 | 23 42 | 0 23 | 6 5 | 1 13 | 3 26 | 16 5 | 6 37 | 6 15 | 4 20 | 15 32 | 2 17 |
| S 9 | 11 58 | 2 7 | 1n20 | 19 52 | 1 39 | 19 40 | 3 19 | 13 25 | 4 21 | 8 30 | 1 28 | 10 25 | 2 35 | 23 42 | 0 23 | 6 4 | 1 13 | 3 26 | 16 5 | 6 36 | 6 16 | 4 18 | 15 32 | 2 17 |
| M10 | 11 37 | 2s37 | 2 36 | 19 33 | 1 44 | 19 40 | 3 13 | 13 34 | 4 21 | 8 29 | 1 28 | 10 25 | 2 35 | 23 42 | 0 23 | 6 3 | 1 13 | 3 25 | 16 4 | 6 36 | 6 17 | 4 16 | 15 32 | 2 18 |
| T 11 | 11 15 | 7 6 | 3 41 | 19 12 | 1 48 | 19 39 | 3 8 | 13 43 | 4 21 | 8 28 | 1 29 | 10 24 | 2 36 | 23 42 | 0 23 | 6 2 | 1 13 | 3 25 | 16 4 | 6 36 | 6 18 | 4 15 | 15 32 | 2 18 |
| W12 | 10 54 | 11 3 | 4 30 | 18 49 | 1 52 | 19 39 | 3 2 | 13 51 | 4 21 | 8 27 | 1 29 | 10 24 | 2 36 | 23 42 | 0 23 | 6 1 | 1 13 | 3 24 | 16 4 | 6 35 | 6 20 | 4 13 | 15 31 | 2 19 |
| T 13 | 10 32 | 14 16 | 5 2 | 18 26 | 1 56 | 19 37 | 2 57 | 13 59 | 4 21 | 8 26 | 1 29 | 10 23 | 2 36 | 23 42 | 0 23 | 6 0 | 1 13 | 3 24 | 16 3 | 6 35 | 6 21 | 4 11 | 15 31 | 2 20 |
| F 14 | 10 11 | 16 37 | 5 17 | 18 0 | 1 59 | 19 35 | 2 52 | 14 8 | 4 20 | 8 25 | 1 29 | 10 23 | 2 36 | 23 42 | 0 23 | 5 59 | 1 13 | 3 23 | 16 3 | 6 35 | 6 22 | 4 9 | 15 31 | 2 20 |
| S 15 | 9 49 | 18 3 | 5 14 | 17 34 | 2 2 | 19 33 | 2 46 | 14 16 | 4 20 | 8 24 | 1 30 | 10 22 | 2 37 | 23 42 | 0 23 | 5 58 | 1 13 | 3 23 | 16 3 | 6 35 | 6 23 | 4 7 | 15 31 | 2 21 |
| S 16 | 9 27 | 18 30 | 4 56 | 17 6 | 2 4 | 19 30 | 2 41 | 14 24 | 4 19 | 8 23 | 1 30 | 10 22 | 2 37 | 23 42 | 0 23 | 5 58 | 1 13 | 3 22 | 16 3 | 6 36 | 6 25 | 4 5 | 15 30 | 2 21 |
| M17 | 9 4 | 18 3 | 4 24 | 16 37 | 2 6 | 19 27 | 2 35 | 14 32 | 4 18 | 8 21 | 1 30 | 10 21 | 2 37 | 23 42 | 0 23 | 5 57 | 1 13 | 3 22 | 16 2 | 6 36 | 6 26 | 4 4 | 15 30 | 2 22 |
| T 18 | 8 42 | 16 45 | 3 40 | 16 6 | 2 8 | 19 23 | 2 30 | 14 40 | 4 17 | 8 20 | 1 30 | 10 20 | 2 37 | 23 42 | 0 23 | 5 56 | 1 13 | 3 21 | 16 2 | 6 36 | 6 27 | 4 2 | 15 30 | 2 22 |
| W19 | 8 20 | 14 42 | 2 47 | 15 34 | 2 9 | 19 19 | 2 24 | 14 47 | 4 16 | 8 19 | 1 30 | 10 19 | 2 38 | 23 42 | 0 23 | 5 55 | 1 13 | 3 20 | 16 2 | 6 36 | 6 28 | 4 0 | 15 29 | 2 23 |
| T 20 | 7 57 | 12 2 | 1 48 | 15 0 | 2 10 | 19 14 | 2 19 | 14 55 | 4 15 | 8 17 | 1 31 | 10 19 | 2 38 | 23 42 | 0 23 | 5 54 | 1 13 | 3 20 | 16 1 | 6 37 | 6 29 | 3 58 | 15 29 | 2 23 |
| F 21 | 7 34 | 8 54 | 0 44 | 14 25 | 2 11 | 19 9 | 2 13 | 15 2 | 4 14 | 8 16 | 1 31 | 10 18 | 2 38 | 23 43 | 0 23 | 5 53 | 1 13 | 3 19 | 16 1 | 6 37 | 6 31 | 3 56 | 15 28 | 2 24 |
| S 22 | 7 11 | 5 25 | 0s22 | 13 49 | 2 10 | 19 3 | 2 8 | 15 9 | 4 13 | 8 14 | 1 31 | 10 17 | 2 38 | 23 43 | 0 23 | 5 52 | 1 13 | 3 19 | 16 1 | 6 37 | 6 32 | 3 54 | 15 28 | 2 24 |
| S 23 | 6 49 | 1 44 | 1 27 | 13 11 | 2 10 | 18 57 | 2 2 | 15 16 | 4 11 | 8 12 | 1 31 | 10 16 | 2 38 | 23 43 | 0 23 | 5 51 | 1 13 | 3 18 | 16 1 | 6 37 | 6 33 | 3 53 | 15 27 | 2 25 |
| M24 | 6 25 | 2n 1 | 2 27 | 12 32 | 2 9 | 18 50 | 1 57 | 15 22 | 4 10 | 8 11 | 1 31 | 10 15 | 2 39 | 23 43 | 0 23 | 5 51 | 1 13 | 3 18 | 16 0 | 6 37 | 6 34 | 3 51 | 15 27 | 2 25 |
| T 25 | 6 2 | 5 42 | 3 22 | 11 52 | 2 8 | 18 43 | 1 51 | 15 29 | 4 8 | 8 9 | 1 31 | 10 14 | 2 39 | 23 43 | 0 23 | 5 50 | 1 13 | 3 17 | 16 0 | 6 37 | 6 36 | 3 49 | 15 26 | 2 26 |
| W26 | 5 39 | 9 11 | 4 9 | 11 10 | 2 6 | 18 35 | 1 46 | 15 35 | 4 7 | 8 7 | 1 32 | 10 13 | 2 39 | 23 43 | 0 23 | 5 49 | 1 13 | 3 16 | 16 0 | 6 37 | 6 37 | 3 47 | 15 25 | 2 26 |
| T 27 | 5 16 | 12 20 | 4 45 | 10 26 | 2 3 | 18 27 | 1 41 | 15 41 | 4 5 | 8 5 | 1 32 | 10 12 | 2 39 | 23 43 | 0 23 | 5 48 | 1 13 | 3 16 | 16 0 | 6 37 | 6 38 | 3 45 | 15 25 | 2 27 |
| F 28 | 4s53 | 14n59 | 5s 8 | 9s42 | 2s 0 | 18s18 | 1n35 | 15n46 | 4n 3 | 8s 3 | 1n32 | 10s11 | 2n39 | 23n43 | 0n23 | 5s47 | 1s13 | 3s15 | 15s59 | 6n37 | 6n39 | 3s44 | 15s24 | 2n27 |

Julian Day Number = 2219655.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'03, Lahiri = 15°00'03 Julian Calendar 1 Feb. 1365 == Greg. Calendar 9 Feb. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## MARCH 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 7 13 | 18♓41'32 | 11♊38 | 11♓52 | 2♒47 | 28°R21 | 24°R18 | 3°R22 | 7°R 5 | 18♓17 | 0♉42 | 13°R12 | 13♍ 4 | 22♓43 | 19°R52 | S 1 |
| S 2 | 11 11 9 | 19°41'09 | 24°35 | 13°46 | 3°52 | 28♌ 2 | 24♎13 | 3♏19 | 7♋ 5 | 18°19 | 0°43 | 13°D12 | 13° 1 | 22°50 | 19♏52 | S 2 |
| M 3 | 11 15 6 | 20°40'43 | 7♋56 | 15°40 | 4°57 | 27°43 | 24° 8 | 3°16 | 7° 5 | 18°21 | 0°44 | 13♍13 | 12°58 | 22°56 | 19°51 | M 3 |
| T 4 | 11 19 2 | 21°40'15 | 21°43 | 17°36 | 6° 2 | 27°25 | 24° 2 | 3°14 | 7° 5 | 18°24 | 0°45 | 13°13 | 12°54 | 23° 3 | 19°50 | T 4 |
| W 5 | 11 22 59 | 22°39'45 | 5♌56 | 19°32 | 7° 8 | 27° 8 | 23°57 | 3°11 | 7° 4 | 18°26 | 0°47 | 13°14 | 12°51 | 23° 9 | 19°49 | W 5 |
| T 6 | 11 26 55 | 23°39'12 | 20°34 | 21°30 | 8°13 | 26°51 | 23°51 | 3° 8 | 7° 4 | 18°28 | 0°48 | 13°15 | 12°48 | 23°16 | 19°47 | T 6 |
| F 7 | 11 30 52 | 24°38'38 | 5♍32 | 23°29 | 9°19 | 26°35 | 23°45 | 3° 5 | 7°D 4 | 18°31 | 0°49 | 13°R15 | 12°45 | 23°23 | 19°46 | F 7 |
| S 8 | 11 34 48 | 25°38'00 | 20°43 | 25°29 | 10°25 | 26°20 | 23°40 | 3° 2 | 7° 4 | 18°33 | 0°50 | 13°15 | 12°42 | 23°29 | 19°45 | S 8 |
| S 9 | 11 38 45 | 26°37'21 | 5♎57 | 27°30 | 11°31 | 26° 5 | 23°34 | 2°59 | 7° 4 | 18°35 | 0°51 | 13°15 | 12°39 | 23°36 | 19°43 | S 9 |
| M10 | 11 42 42 | 27°36'40 | 21° 5 | 29°32 | 12°38 | 25°51 | 23°27 | 2°55 | 7° 5 | 18°37 | 0°52 | 13°13 | 12°35 | 23°43 | 19°41 | M10 |
| T 11 | 11 46 38 | 28°35'56 | 5♏58 | 1♈34 | 13°44 | 25°38 | 23°21 | 2°52 | 7° 5 | 18°40 | 0°53 | 13°12 | 12°32 | 23°49 | 19°40 | T 11 |
| W12 | 11 50 35 | 29°35'11 | 20°28 | 3°37 | 14°51 | 25°26 | 23°15 | 2°49 | 7° 5 | 18°42 | 0°55 | 13°10 | 12°29 | 23°56 | 19°38 | W12 |
| T 13 | 11 54 31 | 0♈34'25 | 4♐32 | 5°40 | 15°58 | 25°14 | 23° 8 | 2°45 | 7° 5 | 18°44 | 0°56 | 13° 8 | 12°26 | 24° 3 | 19°36 | T 13 |
| F 14 | 11 58 28 | 1°33'36 | 18° 7 | 7°43 | 17° 5 | 25° 3 | 23° 2 | 2°42 | 7° 6 | 18°46 | 0°57 | 13° 6 | 12°23 | 24° 9 | 19°34 | F 14 |
| S 15 | 12 2 24 | 2°32'46 | 1♑17 | 9°46 | 18°12 | 24°53 | 22°55 | 2°38 | 7° 6 | 18°49 | 0°58 | 13°D 6 | 12°19 | 24°16 | 19°32 | S 15 |
| S 16 | 12 6 21 | 3°31'53 | 14° 2 | 11°49 | 19°19 | 24°44 | 22°48 | 2°35 | 7° 6 | 18°51 | 0°59 | 13° 6 | 12°16 | 24°23 | 19°30 | S 16 |
| M17 | 12 10 17 | 4°30'59 | 26°27 | 13°51 | 20°27 | 24°35 | 22°41 | 2°31 | 7° 7 | 18°53 | 1° 1 | 13° 7 | 12°13 | 24°29 | 19°27 | M17 |
| T 18 | 12 14 14 | 5°30'04 | 8♒37 | 15°51 | 21°34 | 24°28 | 22°34 | 2°27 | 7° 8 | 18°55 | 1° 2 | 13° 9 | 12°10 | 24°36 | 19°25 | T 18 |
| W19 | 12 18 11 | 6°29'06 | 20°35 | 17°51 | 22°42 | 24°21 | 22°27 | 2°24 | 7° 8 | 18°57 | 1° 3 | 13°11 | 12° 7 | 24°43 | 19°23 | W19 |
| T 20 | 12 22 7 | 7°28'06 | 2♓26 | 19°48 | 23°50 | 24°15 | 22°20 | 2°20 | 7° 9 | 19° 0 | 1° 4 | 13°12 | 12° 4 | 24°49 | 19°20 | T 20 |
| F 21 | 12 26 4 | 8°27'05 | 14°13 | 21°44 | 24°58 | 24° 9 | 22°13 | 2°16 | 7°10 | 19° 2 | 1° 6 | 13°R12 | 12° 0 | 24°56 | 19°17 | F 21 |
| S 22 | 12 30 0 | 9°26'01 | 26° 0 | 23°37 | 26° 6 | 24° 5 | 22° 6 | 2°12 | 7°10 | 19° 4 | 1° 7 | 13°12 | 11°57 | 25° 2 | 19°15 | S 22 |
| S 23 | 12 33 57 | 10°24'56 | 7♈48 | 25°27 | 27°14 | 24° 1 | 21°58 | 2° 8 | 7°11 | 19° 6 | 1° 8 | 13° 9 | 11°54 | 25° 9 | 19°12 | S 23 |
| M24 | 12 37 53 | 11°23'48 | 19°41 | 27°13 | 28°22 | 23°58 | 21°51 | 2° 4 | 7°12 | 19° 8 | 1°10 | 13° 6 | 11°51 | 25°16 | 19° 9 | M24 |
| T 25 | 12 41 50 | 12°22'39 | 1♉39 | 28°56 | 29°31 | 23°56 | 21°43 | 2° 0 | 7°13 | 19°10 | 1°11 | 13° 1 | 11°48 | 25°22 | 19° 6 | T 25 |
| W26 | 12 45 46 | 13°21'27 | 13°45 | 0♉36 | 0♓39 | 23°54 | 21°36 | 1°56 | 7°14 | 19°12 | 1°12 | 12°56 | 11°44 | 25°29 | 19° 3 | W26 |
| T 27 | 12 49 43 | 14°20'14 | 26° 1 | 2°11 | 1°48 | 23°D53 | 21°28 | 1°51 | 7°15 | 19°15 | 1°13 | 12°51 | 11°41 | 25°36 | 19° 0 | T 27 |
| F 28 | 12 53 39 | 15°18'58 | 8♊29 | 3°42 | 2°56 | 23°53 | 21°21 | 1°47 | 7°16 | 19°17 | 1°15 | 12°46 | 11°38 | 25°42 | 18°57 | F 28 |
| S 29 | 12 57 36 | 16°17'40 | 21°10 | 5° 8 | 4° 5 | 23°54 | 21°13 | 1°43 | 7°17 | 19°19 | 1°16 | 12°42 | 11°35 | 25°49 | 18°53 | S 29 |
| S 30 | 13 1 33 | 17°16'19 | 4♋ 7 | 6°29 | 5°14 | 23°56 | 21° 5 | 1°39 | 7°18 | 19°21 | 1°17 | 12°40 | 11°32 | 25°56 | 18°50 | S 30 |
| M31 | 13 5 29 | 18♈14'57 | 17♋24 | 7♉46 | 6♓23 | 23♌58 | 20♎58 | 1♏34 | 7♋20 | 19♓23 | 1♉19 | 12°D39 | 11♍29 | 26♓ 2 | 18♏47 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s29 | 17n 0 | 5s18 | 8s56 | 1s57 | 18s 9 | 1n30 | 15n51 | 4n 1 | 8s 2 | 1n32 | 10s10 | 2n40 | 23n43 | 0n23 | 5s46 | 1s13 | 3s15 | 15s59 | 6n37 | 6n40 | 3s42 | 15s23 | 2n28 |
| S 2 | 4 6 | 18 13 | 5 12 | 8 9 | 1 53 | 17 59 | 1 25 | 15 56 | 3 59 | 7 59 | 1 32 | 10 9 | 2 40 | 23 43 | 0 23 | 5 45 | 1 13 | 3 14 | 15 59 | 6 37 | 6 42 | 3 40 | 15 23 | 2 29 |
| M 3 | 3 42 | 18 28 | 4 49 | 7 20 | 1 49 | 17 49 | 1 19 | 16 1 | 3 57 | 7 57 | 1 32 | 10 8 | 2 40 | 23 43 | 0 23 | 5 44 | 1 13 | 3 14 | 15 59 | 6 37 | 6 43 | 3 38 | 15 22 | 2 29 |
| T 4 | 3 19 | 17 40 | 4 9 | 6 30 | 1 44 | 17 38 | 1 14 | 16 5 | 3 55 | 7 55 | 1 33 | 10 7 | 2 40 | 23 43 | 0 23 | 5 43 | 1 13 | 3 13 | 15 58 | 6 37 | 6 44 | 3 36 | 15 21 | 2 30 |
| W 5 | 2 55 | 15 44 | 3 13 | 5 39 | 1 38 | 17 26 | 1 9 | 16 9 | 3 53 | 7 53 | 1 33 | 10 6 | 2 40 | 23 43 | 0 23 | 5 43 | 1 13 | 3 12 | 15 58 | 6 37 | 6 45 | 3 34 | 15 20 | 2 30 |
| T 6 | 2 32 | 12 44 | 2 3 | 4 47 | 1 32 | 17 15 | 1 4 | 16 13 | 3 51 | 7 51 | 1 33 | 10 5 | 2 41 | 23 43 | 0 23 | 5 42 | 1 13 | 3 12 | 15 58 | 6 36 | 6 47 | 3 32 | 15 19 | 2 31 |
| F 7 | 2 8 | 8 51 | 0 43 | 3 54 | 1 25 | 17 2 | 0 59 | 16 17 | 3 49 | 7 49 | 1 33 | 10 4 | 2 41 | 23 43 | 0 23 | 5 41 | 1 13 | 3 11 | 15 58 | 6 36 | 6 48 | 3 31 | 15 19 | 2 31 |
| S 8 | 1 44 | 4 19 | 0n41 | 3 0 | 1 18 | 16 49 | 0 54 | 16 20 | 3 47 | 7 46 | 1 33 | 10 3 | 2 41 | 23 43 | 0 23 | 5 40 | 1 13 | 3 11 | 15 58 | 6 36 | 6 49 | 3 29 | 15 18 | 2 32 |
| S 9 | 1 21 | 0s30 | 2 3 | 2 4 | 1 10 | 16 36 | 0 49 | 16 23 | 3 44 | 7 44 | 1 33 | 10 1 | 2 41 | 23 43 | 0 23 | 5 39 | 1 13 | 3 10 | 15 57 | 6 36 | 6 50 | 3 27 | 15 17 | 2 32 |
| M10 | 0 57 | 5 15 | 3 15 | 1 8 | 1 2 | 16 22 | 0 44 | 16 25 | 3 42 | 7 42 | 1 33 | 10 0 | 2 41 | 23 43 | 0 23 | 5 38 | 1 13 | 3 10 | 15 57 | 6 37 | 6 51 | 3 25 | 15 16 | 2 33 |
| T 11 | 0 34 | 9 35 | 4 12 | 0 11 | 0 53 | 16 8 | 0 39 | 16 27 | 3 39 | 7 39 | 1 33 | 9 59 | 2 41 | 23 43 | 0 23 | 5 37 | 1 13 | 3 9 | 15 57 | 6 38 | 6 53 | 3 23 | 15 15 | 2 33 |
| W12 | 0 10 | 13 14 | 4 52 | 0n46 | 0 44 | 15 53 | 0 34 | 16 29 | 3 37 | 7 37 | 1 34 | 9 58 | 2 41 | 23 43 | 0 23 | 5 36 | 1 13 | 3 8 | 15 57 | 6 38 | 6 54 | 3 21 | 15 14 | 2 34 |
| T 13 | 0n14 | 15 59 | 5 13 | 1 44 | 0 35 | 15 38 | 0 29 | 16 31 | 3 35 | 7 34 | 1 34 | 9 56 | 2 42 | 23 43 | 0 23 | 5 36 | 1 13 | 3 8 | 15 57 | 6 39 | 6 55 | 3 20 | 15 13 | 2 34 |
| F 14 | 0 37 | 17 45 | 5 15 | 2 42 | 0 24 | 15 23 | 0 25 | 16 32 | 3 32 | 7 32 | 1 34 | 9 55 | 2 42 | 23 42 | 0 23 | 5 35 | 1 13 | 3 7 | 15 56 | 6 40 | 6 56 | 3 18 | 15 12 | 2 35 |
| S 15 | 1 1 | 18 30 | 5 1 | 3 40 | 0 14 | 15 7 | 0 20 | 16 34 | 3 30 | 7 29 | 1 34 | 9 54 | 2 42 | 23 42 | 0 23 | 5 34 | 1 13 | 3 7 | 15 56 | 6 40 | 6 58 | 3 16 | 15 11 | 2 35 |
| S 16 | 1 25 | 18 16 | 4 32 | 4 38 | 0 3 | 14 50 | 0 15 | 16 34 | 3 27 | 7 27 | 1 34 | 9 52 | 2 42 | 23 42 | 0 23 | 5 33 | 1 13 | 3 6 | 15 56 | 6 40 | 6 59 | 3 14 | 15 10 | 2 36 |
| M17 | 1 48 | 17 10 | 3 51 | 5 36 | 0n 8 | 14 33 | 0 11 | 16 35 | 3 25 | 7 24 | 1 34 | 9 51 | 2 42 | 23 42 | 0 23 | 5 32 | 1 13 | 3 6 | 15 56 | 6 39 | 7 0 | 3 12 | 15 9 | 2 36 |
| T 18 | 2 12 | 15 17 | 3 0 | 6 33 | 0 19 | 14 16 | 0 6 | 16 35 | 3 22 | 7 21 | 1 34 | 9 50 | 2 42 | 23 42 | 0 23 | 5 31 | 1 13 | 3 5 | 15 56 | 6 39 | 7 1 | 3 10 | 15 8 | 2 37 |
| W19 | 2 35 | 12 45 | 2 2 | 7 30 | 0 31 | 13 58 | 0 2 | 16 35 | 3 19 | 7 19 | 1 34 | 9 48 | 2 42 | 23 42 | 0 23 | 5 30 | 1 13 | 3 4 | 15 56 | 6 38 | 7 2 | 3 8 | 15 6 | 2 37 |
| T 20 | 2 58 | 9 43 | 0 59 | 8 26 | 0 42 | 13 40 | 0s 2 | 16 35 | 3 17 | 7 16 | 1 34 | 9 47 | 2 43 | 23 42 | 0 23 | 5 30 | 1 13 | 3 4 | 15 55 | 6 37 | 7 4 | 3 7 | 15 5 | 2 38 |
| F 21 | 3 22 | 6 19 | 0s 6 | 9 20 | 0 54 | 13 21 | 0 7 | 16 34 | 3 14 | 7 13 | 1 34 | 9 45 | 2 43 | 23 42 | 0 23 | 5 29 | 1 13 | 3 3 | 15 55 | 6 37 | 7 5 | 3 5 | 15 4 | 2 38 |
| S 22 | 3 45 | 2 40 | 1 10 | 10 13 | 1 5 | 13 2 | 0 11 | 16 33 | 3 12 | 7 10 | 1 34 | 9 44 | 2 43 | 23 42 | 0 23 | 5 28 | 1 13 | 3 3 | 15 55 | 6 38 | 7 6 | 3 3 | 15 3 | 2 39 |
| S 23 | 4 8 | 1n 6 | 2 11 | 11 4 | 1 17 | 12 42 | 0 15 | 16 32 | 3 9 | 7 8 | 1 34 | 9 42 | 2 43 | 23 42 | 0 23 | 5 27 | 1 13 | 3 2 | 15 55 | 6 38 | 7 7 | 3 1 | 15 2 | 2 39 |
| M24 | 4 31 | 4 50 | 3 7 | 11 53 | 1 28 | 12 23 | 0 19 | 16 31 | 3 7 | 7 5 | 1 34 | 9 41 | 2 43 | 23 42 | 0 23 | 5 26 | 1 13 | 3 2 | 15 55 | 6 40 | 7 9 | 2 59 | 15 0 | 2 40 |
| T 25 | 4 54 | 8 25 | 3 55 | 12 40 | 1 39 | 12 2 | 0 23 | 16 29 | 3 4 | 7 2 | 1 34 | 9 39 | 2 43 | 23 42 | 0 23 | 5 25 | 1 13 | 3 1 | 15 55 | 6 41 | 7 10 | 2 57 | 14 59 | 2 40 |
| W26 | 5 17 | 11 40 | 4 33 | 13 25 | 1 49 | 11 42 | 0 27 | 16 27 | 3 2 | 6 59 | 1 34 | 9 38 | 2 43 | 23 42 | 0 23 | 5 25 | 1 13 | 3 1 | 15 55 | 6 44 | 7 11 | 2 55 | 14 58 | 2 41 |
| T 27 | 5 40 | 14 29 | 4 59 | 14 7 | 1 59 | 11 21 | 0 31 | 16 25 | 2 59 | 6 56 | 1 34 | 9 36 | 2 43 | 23 42 | 0 23 | 5 24 | 1 13 | 3 0 | 15 54 | 6 46 | 7 12 | 2 54 | 14 57 | 2 41 |
| F 28 | 6 3 | 16 40 | 5 12 | 14 47 | 2 8 | 11 0 | 0 34 | 16 22 | 2 56 | 6 54 | 1 34 | 9 35 | 2 43 | 23 42 | 0 23 | 5 23 | 1 14 | 3 0 | 15 54 | 6 47 | 7 13 | 2 52 | 14 55 | 2 42 |
| S 29 | 6 26 | 18 5 | 5 9 | 15 25 | 2 16 | 10 38 | 0 38 | 16 20 | 2 54 | 6 51 | 1 34 | 9 33 | 2 43 | 23 42 | 0 23 | 5 22 | 1 14 | 2 59 | 15 54 | 6 49 | 7 15 | 2 50 | 14 54 | 2 42 |
| S 30 | 6 48 | 18 37 | 4 51 | 16 0 | 2 24 | 10 16 | 0 42 | 16 17 | 2 51 | 6 48 | 1 34 | 9 32 | 2 43 | 23 42 | 0 23 | 5 21 | 1 14 | 2 58 | 15 54 | 6 50 | 7 16 | 2 48 | 14 53 | 2 43 |
| M31 | 7n11 | 18n 8 | 4s17 | 16n31 | 2n31 | 9s54 | 0s45 | 16n14 | 2n49 | 6s45 | 1n34 | 9s30 | 2n43 | 23n42 | 0n23 | 5s21 | 1s14 | 2s58 | 15s54 | 6n50 | 7n17 | 2s46 | 14s51 | 2n43 |

Julian Day Number = 2219683.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'07, Lahiri = 15°00'07 Julian Calendar 1 March 1365 == Greg. Calendar 9 March 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## APRIL 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 9 26 | 19♈13'32 | 1♌ 1 | 8♉57 | 7♓32 | 24♌ 1 | 20°R50 | 1°R30 | 7♋21 | 19♓25 | 1♉20 | 12♍39 | 11♍25 | 26♓ 9 | 18°R43 | T 1 |
| W 2 | 13 13 22 | 20°12'05 | 15° 0 | 10° 3 | 8°41 | 24° 5 | 20♎42 | 1♏26 | 7°22 | 19°27 | 1°21 | 12°41 | 11°22 | 26°16 | 18♏40 | W 2 |
| T 3 | 13 17 19 | 21°10'36 | 29°22 | 11° 4 | 9°50 | 24° 9 | 20°35 | 1°21 | 7°24 | 19°29 | 1°23 | 12°42 | 11°19 | 26°22 | 18°36 | T 3 |
| F 4 | 13 21 15 | 22° 9'04 | 14♍ 4 | 11°59 | 10°59 | 24°14 | 20°27 | 1°17 | 7°25 | 19°31 | 1°24 | 12°R42 | 11°16 | 26°29 | 18°32 | F 4 |
| S 5 | 13 25 12 | 23° 7'30 | 29° 1 | 12°49 | 12° 9 | 24°20 | 20°19 | 1°12 | 7°27 | 19°33 | 1°26 | 12°41 | 11°13 | 26°36 | 18°29 | S 5 |
| S 6 | 13 29 8 | 24° 5'55 | 14♎ 7 | 13°33 | 13°18 | 24°26 | 20°12 | 1° 8 | 7°28 | 19°35 | 1°27 | 12°39 | 11°10 | 26°42 | 18°25 | S 6 |
| M 7 | 13 33 5 | 25° 4'17 | 29°12 | 14°12 | 14°28 | 24°33 | 20° 4 | 1° 3 | 7°30 | 19°37 | 1°28 | 12°34 | 11° 6 | 26°49 | 18°21 | M 7 |
| T 8 | 13 37 2 | 26° 2'38 | 14♏ 8 | 14°45 | 15°37 | 24°41 | 19°57 | 0°59 | 7°31 | 19°39 | 1°30 | 12°28 | 11° 3 | 26°55 | 18°17 | T 8 |
| W 9 | 13 40 58 | 27° 0'56 | 28°44 | 15°12 | 16°47 | 24°49 | 19°49 | 0°54 | 7°33 | 19°41 | 1°31 | 12°21 | 11° 0 | 27° 2 | 18°13 | W 9 |
| T 10 | 13 44 55 | 27°59'14 | 12♐56 | 15°33 | 17°57 | 24°58 | 19°41 | 0°50 | 7°35 | 19°42 | 1°32 | 12°14 | 10°57 | 27° 9 | 18° 9 | T 10 |
| F 11 | 13 48 51 | 28°57'29 | 26°40 | 15°49 | 19° 6 | 25° 7 | 19°34 | 0°45 | 7°36 | 19°44 | 1°34 | 12° 9 | 10°54 | 27°15 | 18° 5 | F 11 |
| S 12 | 13 52 48 | 29°55'43 | 9♑56 | 15°59 | 20°16 | 25°17 | 19°26 | 0°41 | 7°38 | 19°46 | 1°35 | 12° 5 | 10°50 | 27°22 | 18° 1 | S 12 |
| S 13 | 13 56 44 | 0♒53'56 | 22°45 | 16°R 4 | 21°26 | 25°28 | 19°19 | 0°36 | 7°40 | 19°48 | 1°36 | 12° 3 | 10°47 | 27°29 | 17°57 | S 13 |
| M14 | 14 0 41 | 1°52'07 | 5♓11 | 16° 3 | 22°36 | 25°39 | 19°12 | 0°32 | 7°42 | 19°50 | 1°38 | 12°D 3 | 10°44 | 27°35 | 17°53 | M14 |
| T 15 | 14 4 37 | 2°50'16 | 17°20 | 15°57 | 23°46 | 25°51 | 19° 4 | 0°27 | 7°44 | 19°52 | 1°39 | 12° 3 | 10°41 | 27°42 | 17°49 | T 15 |
| W16 | 14 8 34 | 3°48'24 | 29°17 | 15°46 | 24°56 | 26° 3 | 18°57 | 0°23 | 7°46 | 19°53 | 1°41 | 12° 5 | 10°38 | 27°49 | 17°45 | W16 |
| T 17 | 14 12 31 | 4°46'31 | 11♈ 5 | 15°31 | 26° 6 | 26°16 | 18°50 | 0°18 | 7°48 | 19°55 | 1°42 | 12°R 5 | 10°35 | 27°55 | 17°40 | T 17 |
| F 18 | 14 16 27 | 5°44'36 | 22°52 | 15°11 | 27°17 | 26°29 | 18°43 | 0°14 | 7°50 | 19°57 | 1°43 | 12° 5 | 10°31 | 28° 2 | 17°36 | F 18 |
| S 19 | 14 20 24 | 6°42'39 | 4♈39 | 14°47 | 28°27 | 26°43 | 18°36 | 0° 9 | 7°52 | 19°59 | 1°45 | 12° 2 | 10°28 | 28° 9 | 17°32 | S 19 |
| S 20 | 14 24 20 | 7°40'41 | 16°31 | 14°20 | 29°37 | 26°57 | 18°29 | 0° 5 | 7°54 | 20° 0 | 1°46 | 11°57 | 10°25 | 28°15 | 17°28 | S 20 |
| M21 | 14 28 17 | 8°38'41 | 28°31 | 13°50 | 0♈48 | 27°12 | 18°22 | 0° 0 | 7°57 | 20° 2 | 1°47 | 11°49 | 10°22 | 28°22 | 17°23 | M21 |
| T 22 | 14 32 13 | 9°36'40 | 10♉40 | 13°17 | 1°58 | 27°28 | 18°15 | 29♎56 | 7°59 | 20° 4 | 1°49 | 11°40 | 10°19 | 28°29 | 17°19 | T 22 |
| W23 | 14 36 10 | 10°34'38 | 23° 0 | 12°43 | 3° 9 | 27°43 | 18° 8 | 29°52 | 8° 1 | 20° 5 | 1°50 | 11°29 | 10°15 | 28°35 | 17°14 | W23 |
| T 24 | 14 40 6 | 11°32'33 | 5♊31 | 12° 8 | 4°19 | 28° 0 | 18° 2 | 29°47 | 8° 4 | 20° 7 | 1°51 | 11°19 | 10°12 | 28°42 | 17°10 | T 24 |
| F 25 | 14 44 3 | 12°30'27 | 18°14 | 11°32 | 5°30 | 28°16 | 17°55 | 29°43 | 8° 6 | 20° 8 | 1°53 | 11° 8 | 10° 9 | 28°49 | 17° 6 | F 25 |
| S 26 | 14 48 0 | 13°28'20 | 1♋ 8 | 10°56 | 6°40 | 28°34 | 17°49 | 29°38 | 8° 8 | 20°10 | 1°54 | 11° 0 | 10° 6 | 28°55 | 17° 1 | S 26 |
| S 27 | 14 51 56 | 14°26'10 | 14°16 | 10°20 | 7°51 | 28°51 | 17°43 | 29°34 | 8°11 | 20°11 | 1°55 | 10°54 | 10° 3 | 29° 2 | 16°57 | S 27 |
| M28 | 14 55 53 | 15°23'59 | 27°37 | 9°47 | 9° 2 | 29°10 | 17°37 | 29°30 | 8°13 | 20°13 | 1°57 | 10°50 | 10° 0 | 29° 9 | 16°52 | M28 |
| T 29 | 14 59 49 | 16°21'47 | 11♌13 | 9°15 | 10°12 | 29°28 | 17°31 | 29°26 | 8°16 | 20°14 | 1°58 | 10°D49 | 9°56 | 29°15 | 16°48 | T 29 |
| W30 | 15 3 46 | 17♉19'32 | 25♌ 4 | 8♉45 | 11♈23 | 29♌47 | 17♎25 | 29♎21 | 8♋18 | 20♓16 | 1♉59 | 10♍49 | 9♍53 | 29♓22 | 16♏43 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n33 | 16n37 | 3s28 | 17n 1 | 2n37 | 9s31 | 0s48 | 16n10 | 2n46 | 6s42 | 1n34 | 9s29 | 2n44 | 23n41 | 0n23 | 5s20 | 1s14 | 2s57 | 15s54 | 6n50 | 7n18 | 2s44 | 14s50 | 2n43 |
| W 2 | 7 55 | 14 4 | 2 25 | 17 27 | 2 43 | 9 8 | 0 52 | 16 7 | 2 44 | 6 39 | 1 34 | 9 27 | 2 44 | 23 41 | 0 23 | 5 19 | 1 14 | 2 57 | 15 54 | 6 49 | 7 19 | 2 42 | 14 49 | 2 44 |
| T 3 | 8 17 | 10 36 | 1 12 | 17 50 | 2 47 | 8 45 | 0 55 | 16 3 | 2 41 | 6 36 | 1 34 | 9 26 | 2 44 | 23 41 | 0 23 | 5 18 | 1 14 | 2 56 | 15 54 | 6 49 | 7 21 | 2 41 | 14 47 | 2 44 |
| F 4 | 8 39 | 6 24 | 0n 7 | 18 11 | 2 50 | 8 22 | 0 58 | 15 59 | 2 39 | 6 34 | 1 34 | 9 24 | 2 44 | 23 41 | 0 23 | 5 18 | 1 14 | 2 56 | 15 54 | 6 49 | 7 22 | 2 39 | 14 46 | 2 45 |
| S 5 | 9 1 | 1 44 | 1 28 | 18 29 | 2 53 | 7 58 | 1 1 | 15 55 | 2 37 | 6 31 | 1 34 | 9 22 | 2 44 | 23 41 | 0 23 | 5 17 | 1 14 | 2 55 | 15 54 | 6 49 | 7 23 | 2 37 | 14 44 | 2 45 |
| S 6 | 9 23 | 3s 5 | 2 42 | 18 43 | 2 54 | 7 34 | 1 4 | 15 51 | 2 34 | 6 28 | 1 34 | 9 21 | 2 44 | 23 41 | 0 23 | 5 16 | 1 14 | 2 55 | 15 54 | 6 50 | 7 24 | 2 35 | 14 43 | 2 46 |
| M 7 | 9 44 | 7 43 | 3 46 | 18 55 | 2 54 | 7 10 | 1 7 | 15 46 | 2 32 | 6 25 | 1 34 | 9 19 | 2 44 | 23 41 | 0 23 | 5 15 | 1 14 | 2 54 | 15 53 | 6 52 | 7 25 | 2 33 | 14 41 | 2 46 |
| T 8 | 10 5 | 11 47 | 4 33 | 19 4 | 2 53 | 6 46 | 1 10 | 15 41 | 2 29 | 6 22 | 1 34 | 9 18 | 2 44 | 23 41 | 0 23 | 5 15 | 1 14 | 2 54 | 15 53 | 6 54 | 7 27 | 2 31 | 14 40 | 2 46 |
| W 9 | 10 27 | 15 3 | 5 1 | 19 10 | 2 51 | 6 21 | 1 13 | 15 36 | 2 27 | 6 19 | 1 34 | 9 16 | 2 44 | 23 41 | 0 23 | 5 14 | 1 14 | 2 53 | 15 53 | 6 57 | 7 28 | 2 29 | 14 38 | 2 47 |
| T 10 | 10 48 | 17 19 | 5 9 | 19 13 | 2 47 | 5 56 | 1 15 | 15 31 | 2 25 | 6 17 | 1 34 | 9 15 | 2 44 | 23 41 | 0 22 | 5 13 | 1 14 | 2 53 | 15 53 | 7 0 | 7 29 | 2 27 | 14 37 | 2 47 |
| F 11 | 11 8 | 18 29 | 4 59 | 19 13 | 2 43 | 5 31 | 1 18 | 15 26 | 2 22 | 6 14 | 1 34 | 9 13 | 2 44 | 23 40 | 0 22 | 5 13 | 1 14 | 2 52 | 15 53 | 7 2 | 7 30 | 2 26 | 14 35 | 2 48 |
| S 12 | 11 29 | 18 36 | 4 34 | 19 11 | 2 37 | 5 6 | 1 20 | 15 20 | 2 20 | 6 11 | 1 34 | 9 12 | 2 44 | 23 40 | 0 22 | 5 12 | 1 14 | 2 52 | 15 53 | 7 3 | 7 32 | 2 24 | 14 34 | 2 48 |
| S 13 | 11 50 | 17 44 | 3 55 | 19 5 | 2 29 | 4 40 | 1 23 | 15 14 | 2 18 | 6 8 | 1 34 | 9 10 | 2 44 | 23 40 | 0 22 | 5 11 | 1 14 | 2 51 | 15 53 | 7 4 | 7 33 | 2 22 | 14 32 | 2 48 |
| M14 | 12 10 | 16 2 | 3 6 | 18 57 | 2 21 | 4 15 | 1 25 | 15 8 | 2 16 | 6 6 | 1 34 | 9 8 | 2 44 | 23 40 | 0 22 | 5 10 | 1 14 | 2 51 | 15 53 | 7 4 | 7 34 | 2 20 | 14 31 | 2 49 |
| T 15 | 12 30 | 13 38 | 2 10 | 18 46 | 2 11 | 3 49 | 1 27 | 15 2 | 2 13 | 6 3 | 1 34 | 9 7 | 2 44 | 23 40 | 0 22 | 5 10 | 1 14 | 2 51 | 15 53 | 7 4 | 7 35 | 2 18 | 14 29 | 2 49 |
| W16 | 12 50 | 10 42 | 1 9 | 18 32 | 2 0 | 3 23 | 1 29 | 14 56 | 2 11 | 6 0 | 1 33 | 9 5 | 2 44 | 23 40 | 0 22 | 5 9 | 1 14 | 2 50 | 15 53 | 7 3 | 7 36 | 2 16 | 14 28 | 2 50 |
| T 17 | 13 9 | 7 21 | 0 5 | 18 16 | 1 48 | 2 57 | 1 31 | 14 49 | 2 9 | 5 58 | 1 33 | 9 4 | 2 44 | 23 40 | 0 22 | 5 8 | 1 14 | 2 50 | 15 53 | 7 3 | 7 38 | 2 14 | 14 26 | 2 50 |
| F 18 | 13 29 | 3 44 | 0s58 | 17 58 | 1 35 | 2 30 | 1 33 | 14 43 | 2 7 | 5 55 | 1 33 | 9 2 | 2 44 | 23 40 | 0 22 | 5 8 | 1 14 | 2 49 | 15 53 | 7 3 | 7 39 | 2 12 | 14 25 | 2 50 |
| S 19 | 13 48 | 0n 3 | 1 58 | 17 37 | 1 21 | 2 4 | 1 35 | 14 36 | 2 5 | 5 53 | 1 33 | 9 1 | 2 44 | 23 39 | 0 22 | 5 7 | 1 14 | 2 49 | 15 53 | 7 4 | 7 40 | 2 11 | 14 23 | 2 51 |
| S 20 | 14 7 | 3 50 | 2 54 | 17 15 | 1 6 | 1 38 | 1 37 | 14 29 | 2 3 | 5 50 | 1 33 | 8 59 | 2 43 | 23 39 | 0 22 | 5 7 | 1 14 | 2 48 | 15 53 | 7 6 | 7 41 | 2 9 | 14 22 | 2 51 |
| M21 | 14 26 | 7 31 | 3 43 | 16 51 | 0 50 | 1 11 | 1 38 | 14 22 | 2 0 | 5 48 | 1 33 | 8 58 | 2 43 | 23 39 | 0 22 | 5 6 | 1 14 | 2 48 | 15 53 | 7 9 | 7 42 | 2 7 | 14 20 | 2 51 |
| T 22 | 14 44 | 10 56 | 4 21 | 16 25 | 0 34 | 0 44 | 1 40 | 14 15 | 1 58 | 5 45 | 1 33 | 8 56 | 2 43 | 23 39 | 0 22 | 5 5 | 1 14 | 2 47 | 15 53 | 7 13 | 7 44 | 2 5 | 14 19 | 2 52 |
| W23 | 15 3 | 13 56 | 4 49 | 15 59 | 0 17 | 0 18 | 1 41 | 14 7 | 1 56 | 5 43 | 1 32 | 8 55 | 2 43 | 23 39 | 0 22 | 5 5 | 1 14 | 2 47 | 15 53 | 7 17 | 7 45 | 2 3 | 14 17 | 2 52 |
| T 24 | 15 21 | 16 20 | 5 3 | 15 31 | 0s 0 | 0n 9 | 1 43 | 14 0 | 1 54 | 5 40 | 1 32 | 8 53 | 2 43 | 23 39 | 0 22 | 5 4 | 1 14 | 2 47 | 15 53 | 7 21 | 7 46 | 2 1 | 14 16 | 2 52 |
| F 25 | 15 39 | 17 59 | 5 2 | 15 4 | 0 18 | 0 36 | 1 44 | 13 52 | 1 52 | 5 38 | 1 32 | 8 52 | 2 43 | 23 39 | 0 22 | 5 4 | 1 14 | 2 46 | 15 53 | 7 25 | 7 47 | 1 59 | 14 14 | 2 53 |
| S 26 | 15 56 | 18 45 | 4 46 | 14 36 | 0 35 | 1 3 | 1 45 | 13 44 | 1 50 | 5 36 | 1 32 | 8 50 | 2 43 | 23 38 | 0 22 | 5 3 | 1 14 | 2 46 | 15 53 | 7 28 | 7 48 | 1 57 | 14 13 | 2 53 |
| S 27 | 16 13 | 18 32 | 4 15 | 14 9 | 0 52 | 1 30 | 1 46 | 13 36 | 1 48 | 5 34 | 1 32 | 8 49 | 2 43 | 23 38 | 0 22 | 5 2 | 1 15 | 2 45 | 15 53 | 7 30 | 7 50 | 1 56 | 14 11 | 2 53 |
| M28 | 16 30 | 17 17 | 3 29 | 13 42 | 1 9 | 1 57 | 1 47 | 13 28 | 1 46 | 5 32 | 1 32 | 8 48 | 2 43 | 23 38 | 0 22 | 5 2 | 1 15 | 2 45 | 15 53 | 7 32 | 7 51 | 1 54 | 14 9 | 2 54 |
| T 29 | 16 47 | 15 3 | 2 31 | 13 16 | 1 26 | 2 24 | 1 48 | 13 20 | 1 44 | 5 29 | 1 31 | 8 46 | 2 43 | 23 38 | 0 22 | 5 1 | 1 15 | 2 45 | 15 54 | 7 32 | 7 52 | 1 52 | 14 8 | 2 54 |
| W30 | 17n 4 | 11n54 | 1s23 | 12n52 | 1s41 | 2n51 | 1s49 | 13n11 | 1n42 | 5s27 | 1n31 | 8s45 | 2n43 | 23n38 | 0n22 | 5s 1 | 1s15 | 2s44 | 15s54 | 7n32 | 7n53 | 1s50 | 14s 6 | 2n54 |

Julian Day Number = 2219714.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'11, Lahiri = 15°00'11 Julian Calendar 1 Apr. 1365 == Greg. Calendar 9 Apr. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## MAY 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 7 42 | 18♉17'16 | 9♍12 | 8°R18 | 12♈34 | 0♍ 6 | 17°R19 | 29°R17 | 8♋21 | 20♓17 | 2♉ 1 | 10°R50 | 9♍50 | 29♓28 | 16°R39 | T 1 |
| F 2 | 15 11 39 | 19°14'58 | 23°36 | 7♉55 | 13°45 | 0°26 | 17♎14 | 29♎13 | 8°24 | 20°19 | 2° 2 | 10♍49 | 9°47 | 29°35 | 16♏35 | F 2 |
| S 3 | 15 15 35 | 20°12'38 | 8♎12 | 7°35 | 14°56 | 0°46 | 17° 8 | 29° 9 | 8°26 | 20°20 | 2° 3 | 10°47 | 9°44 | 29°42 | 16°30 | S 3 |
| S 4 | 15 19 32 | 21°10'17 | 22°58 | 7°19 | 16° 7 | 1° 7 | 17° 3 | 29° 5 | 8°29 | 20°21 | 2° 5 | 10°42 | 9°41 | 29°48 | 16°26 | S 4 |
| M 5 | 15 23 29 | 22° 7'54 | 7♏45 | 7° 7 | 17°18 | 1°28 | 16°57 | 29° 1 | 8°32 | 20°23 | 2° 6 | 10°34 | 9°37 | 29°55 | 16°21 | M 5 |
| T 6 | 15 27 25 | 23° 5'30 | 22°27 | 6°59 | 18°29 | 1°49 | 16°52 | 28°57 | 8°34 | 20°24 | 2° 7 | 10°24 | 9°34 | 0♈ 2 | 16°17 | T 6 |
| W 7 | 15 31 22 | 24° 3'05 | 6♐55 | 6°D56 | 19°40 | 2°10 | 16°48 | 28°53 | 8°37 | 20°25 | 2° 9 | 10°14 | 9°31 | 0° 8 | 16°13 | W 7 |
| T 8 | 15 35 18 | 25° 0'39 | 21° 3 | 6°57 | 20°51 | 2°32 | 16°43 | 28°49 | 8°40 | 20°26 | 2°10 | 10° 3 | 9°28 | 0°15 | 16° 8 | T 8 |
| F 9 | 15 39 15 | 25°58'11 | 4♑46 | 7° 3 | 22° 2 | 2°55 | 16°38 | 28°46 | 8°43 | 20°28 | 2°11 | 9°53 | 9°25 | 0°22 | 16° 4 | F 9 |
| S 10 | 15 43 11 | 26°55'43 | 18° 3 | 7°13 | 23°13 | 3°17 | 16°34 | 28°42 | 8°46 | 20°29 | 2°12 | 9°46 | 9°21 | 0°28 | 16° 0 | S 10 |
| S 11 | 15 47 8 | 27°53'14 | 0♒55 | 7°28 | 24°24 | 3°40 | 16°29 | 28°38 | 8°49 | 20°30 | 2°14 | 9°41 | 9°18 | 0°35 | 15°55 | S 11 |
| M12 | 15 51 4 | 28°50'43 | 13°24 | 7°47 | 25°36 | 4° 4 | 16°25 | 28°35 | 8°52 | 20°31 | 2°15 | 9°39 | 9°15 | 0°42 | 15°51 | M12 |
| T 13 | 15 55 1 | 29°48'12 | 25°34 | 8°11 | 26°47 | 4°27 | 16°21 | 28°31 | 8°55 | 20°32 | 2°16 | 9°38 | 9°12 | 0°48 | 15°47 | T 13 |
| W14 | 15 58 58 | 0♊45'40 | 7♓32 | 8°39 | 27°58 | 4°51 | 16°17 | 28°28 | 8°58 | 20°33 | 2°17 | 9°38 | 9° 9 | 0°55 | 15°43 | W14 |
| T 15 | 16 2 54 | 1°43'08 | 19°22 | 9°11 | 29°10 | 5°15 | 16°14 | 28°24 | 9° 1 | 20°34 | 2°19 | 9°38 | 9° 6 | 1° 2 | 15°39 | T 15 |
| F 16 | 16 6 51 | 2°40'34 | 1♈ 9 | 9°47 | 0♉21 | 5°40 | 16°10 | 28°21 | 9° 4 | 20°35 | 2°20 | 9°36 | 9° 2 | 1° 8 | 15°34 | F 16 |
| S 17 | 16 10 47 | 3°38'00 | 13° 0 | 10°27 | 1°33 | 6° 5 | 16° 7 | 28°18 | 9° 7 | 20°36 | 2°21 | 9°32 | 8°59 | 1°15 | 15°30 | S 17 |
| S 18 | 16 14 44 | 4°35'25 | 24°57 | 11°11 | 2°44 | 6°30 | 16° 4 | 28°14 | 9°10 | 20°37 | 2°22 | 9°26 | 8°56 | 1°22 | 15°26 | S 18 |
| M19 | 16 18 40 | 5°32'50 | 7♉ 5 | 11°59 | 3°56 | 6°55 | 16° 1 | 28°11 | 9°13 | 20°38 | 2°23 | 9°17 | 8°53 | 1°28 | 15°22 | M19 |
| T 20 | 16 22 37 | 6°30'13 | 19°25 | 12°51 | 5° 7 | 7°21 | 15°58 | 28° 8 | 9°17 | 20°39 | 2°25 | 9° 6 | 8°50 | 1°35 | 15°18 | T 20 |
| W21 | 16 26 33 | 7°27'36 | 2♊ 0 | 13°46 | 6°19 | 7°47 | 15°55 | 28° 5 | 9°20 | 20°40 | 2°26 | 8°53 | 8°47 | 1°42 | 15°15 | W21 |
| T 22 | 16 30 30 | 8°24'58 | 14°49 | 14°45 | 7°30 | 8°13 | 15°53 | 28° 2 | 9°23 | 20°40 | 2°27 | 8°40 | 8°43 | 1°48 | 15°11 | T 22 |
| F 23 | 16 34 27 | 9°22'19 | 27°51 | 15°47 | 8°42 | 8°39 | 15°51 | 28° 0 | 9°26 | 20°41 | 2°28 | 8°28 | 8°40 | 1°55 | 15° 7 | F 23 |
| S 24 | 16 38 23 | 10°19'40 | 11♋ 6 | 16°53 | 9°54 | 9° 6 | 15°49 | 27°57 | 9°29 | 20°42 | 2°29 | 8°18 | 8°37 | 2° 2 | 15° 3 | S 24 |
| S 25 | 16 42 20 | 11°17'00 | 24°33 | 18° 2 | 11° 5 | 9°33 | 15°47 | 27°54 | 9°33 | 20°43 | 2°30 | 8°10 | 8°34 | 2° 8 | 15° 0 | S 25 |
| M26 | 16 46 16 | 12°14'18 | 8♌ 9 | 19°14 | 12°17 | 10° 0 | 15°45 | 27°51 | 9°36 | 20°43 | 2°31 | 8° 5 | 8°31 | 2°15 | 14°56 | M26 |
| T 27 | 16 50 13 | 13°11'36 | 21°54 | 20°30 | 13°29 | 10°28 | 15°43 | 27°49 | 9°39 | 20°44 | 2°32 | 8° 3 | 8°27 | 2°22 | 14°52 | T 27 |
| W28 | 16 54 9 | 14° 8'53 | 5♍49 | 21°48 | 14°41 | 10°55 | 15°42 | 27°47 | 9°43 | 20°45 | 2°33 | 8° 3 | 8°24 | 2°28 | 14°49 | W28 |
| T 29 | 16 58 6 | 15° 6'08 | 19°52 | 23°10 | 15°52 | 11°23 | 15°41 | 27°44 | 9°46 | 20°45 | 2°35 | 8° 3 | 8°21 | 2°35 | 14°46 | T 29 |
| F 30 | 17 2 2 | 16° 3'23 | 4♎ 4 | 24°35 | 17° 4 | 11°52 | 15°40 | 27°42 | 9°50 | 20°46 | 2°36 | 8° 2 | 8°18 | 2°41 | 14°42 | F 30 |
| S 31 | 17 5 59 | 17♊ 0'37 | 18♎22 | 26♉ 3 | 18♉16 | 12♍20 | 15♎39 | 27♎40 | 9♋53 | 20♓46 | 2♉37 | 7♍59 | 8♍15 | 2♈48 | 14♏39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n20 | 8n 1 | 0s 9 | 12n29 | 1s57 | 3n18 | 1s50 | 13n 2 | 1n41 | 5s25 | 1n31 | 8s43 | 2n43 | 23n38 | 0n22 | 5s 0 | 1s15 | 2s44 | 15s54 | 7n32 | 7n54 | 1s48 | 14s 5 | 2n54 |
| F 2 | 17 36 | 3 35 | 1n 7 | 12 8 | 2 11 | 3 45 | 1 50 | 12 54 | 1 39 | 5 23 | 1 31 | 8 42 | 2 42 | 23 37 | 0 22 | 5 0 | 1 15 | 2 44 | 15 54 | 7 32 | 7 56 | 1 46 | 14 3 | 2 55 |
| S 3 | 17 51 | 1s 7 | 2 20 | 11 49 | 2 24 | 4 12 | 1 51 | 12 45 | 1 37 | 5 21 | 1 31 | 8 41 | 2 42 | 23 37 | 0 22 | 4 59 | 1 15 | 2 43 | 15 54 | 7 33 | 7 57 | 1 44 | 14 2 | 2 55 |
| S 4 | 18 7 | 5 48 | 3 24 | 11 32 | 2 37 | 4 39 | 1 51 | 12 36 | 1 35 | 5 20 | 1 30 | 8 39 | 2 42 | 23 37 | 0 22 | 4 59 | 1 15 | 2 43 | 15 54 | 7 35 | 7 58 | 1 42 | 14 0 | 2 55 |
| M 5 | 18 22 | 10 8 | 4 15 | 11 17 | 2 48 | 5 6 | 1 52 | 12 27 | 1 33 | 5 18 | 1 30 | 8 38 | 2 42 | 23 37 | 0 22 | 4 58 | 1 15 | 2 42 | 15 54 | 7 38 | 7 59 | 1 40 | 13 59 | 2 56 |
| T 6 | 18 36 | 13 48 | 4 48 | 11 5 | 2 59 | 5 33 | 1 52 | 12 17 | 1 31 | 5 16 | 1 30 | 8 37 | 2 42 | 23 37 | 0 22 | 4 58 | 1 15 | 2 42 | 15 54 | 7 41 | 8 0 | 1 38 | 13 57 | 2 56 |
| W 7 | 18 51 | 16 35 | 5 2 | 10 55 | 3 8 | 5 59 | 1 52 | 12 8 | 1 30 | 5 14 | 1 30 | 8 36 | 2 42 | 23 36 | 0 22 | 4 57 | 1 15 | 2 42 | 15 54 | 7 46 | 8 2 | 1 37 | 13 56 | 2 56 |
| T 8 | 19 5 | 18 17 | 4 57 | 10 47 | 3 16 | 6 26 | 1 52 | 11 58 | 1 28 | 5 13 | 1 30 | 8 34 | 2 42 | 23 36 | 0 22 | 4 57 | 1 15 | 2 41 | 15 54 | 7 50 | 8 3 | 1 35 | 13 54 | 2 56 |
| F 9 | 19 19 | 18 52 | 4 34 | 10 43 | 3 23 | 6 52 | 1 52 | 11 49 | 1 26 | 5 11 | 1 29 | 8 33 | 2 41 | 23 36 | 0 22 | 4 57 | 1 15 | 2 41 | 15 54 | 7 53 | 8 4 | 1 33 | 13 53 | 2 57 |
| S 10 | 19 32 | 18 22 | 3 58 | 10 40 | 3 29 | 7 19 | 1 52 | 11 39 | 1 25 | 5 10 | 1 29 | 8 32 | 2 41 | 23 36 | 0 22 | 4 56 | 1 15 | 2 41 | 15 54 | 7 56 | 8 5 | 1 31 | 13 52 | 2 57 |
| S 11 | 19 45 | 16 56 | 3 10 | 10 40 | 3 34 | 7 45 | 1 52 | 11 29 | 1 23 | 5 8 | 1 29 | 8 31 | 2 41 | 23 36 | 0 22 | 4 56 | 1 15 | 2 41 | 15 55 | 7 58 | 8 6 | 1 29 | 13 50 | 2 57 |
| M12 | 19 58 | 14 42 | 2 15 | 10 43 | 3 38 | 8 11 | 1 52 | 11 19 | 1 21 | 5 7 | 1 29 | 8 30 | 2 41 | 23 36 | 0 22 | 4 55 | 1 15 | 2 40 | 15 55 | 7 59 | 8 8 | 1 27 | 13 49 | 2 57 |
| T 13 | 20 11 | 11 53 | 1 14 | 10 47 | 3 41 | 8 38 | 1 52 | 11 9 | 1 19 | 5 6 | 1 28 | 8 29 | 2 41 | 23 35 | 0 22 | 4 55 | 1 15 | 2 40 | 15 55 | 7 59 | 8 9 | 1 25 | 13 47 | 2 57 |
| W14 | 20 23 | 8 36 | 0 11 | 10 54 | 3 43 | 9 3 | 1 51 | 10 58 | 1 18 | 5 4 | 1 28 | 8 28 | 2 41 | 23 35 | 0 22 | 4 55 | 1 15 | 2 40 | 15 55 | 7 59 | 8 10 | 1 23 | 13 46 | 2 58 |
| T 15 | 20 34 | 5 1 | 0s51 | 11 4 | 3 44 | 9 29 | 1 51 | 10 48 | 1 16 | 5 3 | 1 28 | 8 27 | 2 40 | 23 35 | 0 22 | 4 54 | 1 15 | 2 39 | 15 55 | 7 59 | 8 11 | 1 21 | 13 45 | 2 58 |
| F 16 | 20 46 | 1 15 | 1 52 | 11 15 | 3 44 | 9 55 | 1 50 | 10 37 | 1 15 | 5 2 | 1 28 | 8 26 | 2 40 | 23 35 | 0 22 | 4 54 | 1 15 | 2 39 | 15 55 | 8 0 | 8 12 | 1 19 | 13 43 | 2 58 |
| S 17 | 20 57 | 2n35 | 2 47 | 11 28 | 3 43 | 10 20 | 1 50 | 10 27 | 1 13 | 5 1 | 1 27 | 8 25 | 2 40 | 23 34 | 0 22 | 4 53 | 1 15 | 2 39 | 15 55 | 8 1 | 8 14 | 1 18 | 13 42 | 2 58 |
| S 18 | 21 8 | 6 21 | 3 36 | 11 43 | 3 42 | 10 45 | 1 49 | 10 16 | 1 11 | 5 0 | 1 27 | 8 24 | 2 40 | 23 34 | 0 22 | 4 53 | 1 15 | 2 39 | 15 56 | 8 3 | 8 15 | 1 16 | 13 41 | 2 58 |
| M19 | 21 18 | 9 54 | 4 15 | 12 0 | 3 39 | 11 10 | 1 48 | 10 5 | 1 10 | 4 59 | 1 27 | 8 23 | 2 40 | 23 34 | 0 22 | 4 53 | 1 16 | 2 38 | 15 56 | 8 7 | 8 16 | 1 14 | 13 39 | 2 58 |
| T 20 | 21 28 | 13 6 | 4 43 | 12 19 | 3 36 | 11 35 | 1 47 | 9 54 | 1 8 | 4 58 | 1 27 | 8 22 | 2 39 | 23 34 | 0 22 | 4 53 | 1 16 | 2 38 | 15 56 | 8 11 | 8 17 | 1 12 | 13 38 | 2 59 |
| W21 | 21 38 | 15 45 | 4 58 | 12 39 | 3 32 | 12 0 | 1 46 | 9 43 | 1 7 | 4 58 | 1 26 | 8 21 | 2 39 | 23 34 | 0 22 | 4 52 | 1 16 | 2 38 | 15 56 | 8 16 | 8 18 | 1 10 | 13 37 | 2 59 |
| T 22 | 21 47 | 17 42 | 4 59 | 13 1 | 3 27 | 12 24 | 1 46 | 9 32 | 1 5 | 4 57 | 1 26 | 8 20 | 2 39 | 23 33 | 0 22 | 4 52 | 1 16 | 2 38 | 15 56 | 8 21 | 8 20 | 1 8 | 13 35 | 2 59 |
| F 23 | 21 56 | 18 47 | 4 44 | 13 24 | 3 22 | 12 48 | 1 44 | 9 20 | 1 4 | 4 56 | 1 26 | 8 19 | 2 39 | 23 33 | 0 22 | 4 52 | 1 16 | 2 38 | 15 56 | 8 25 | 8 21 | 1 6 | 13 34 | 2 59 |
| S 24 | 22 4 | 18 51 | 4 13 | 13 48 | 3 16 | 13 12 | 1 43 | 9 9 | 1 2 | 4 56 | 1 25 | 8 19 | 2 39 | 23 33 | 0 22 | 4 51 | 1 16 | 2 37 | 15 57 | 8 29 | 8 22 | 1 4 | 13 33 | 2 59 |
| S 25 | 22 12 | 17 52 | 3 28 | 14 14 | 3 9 | 13 35 | 1 42 | 8 57 | 1 1 | 4 55 | 1 25 | 8 18 | 2 38 | 23 33 | 0 22 | 4 51 | 1 16 | 2 37 | 15 57 | 8 32 | 8 23 | 1 2 | 13 32 | 2 59 |
| M26 | 22 20 | 15 51 | 2 31 | 14 40 | 3 2 | 13 58 | 1 41 | 8 45 | 0 59 | 4 55 | 1 25 | 8 17 | 2 38 | 23 32 | 0 22 | 4 51 | 1 16 | 2 37 | 15 57 | 8 34 | 8 24 | 1 0 | 13 31 | 2 59 |
| T 27 | 22 27 | 12 55 | 1 24 | 15 8 | 2 54 | 14 21 | 1 40 | 8 34 | 0 58 | 4 54 | 1 25 | 8 16 | 2 38 | 23 32 | 0 22 | 4 51 | 1 16 | 2 37 | 15 57 | 8 35 | 8 26 | 0 59 | 13 29 | 3 0 |
| W28 | 22 34 | 9 14 | 0 12 | 15 37 | 2 46 | 14 44 | 1 38 | 8 22 | 0 56 | 4 54 | 1 24 | 8 16 | 2 38 | 23 32 | 0 22 | 4 51 | 1 16 | 2 37 | 15 57 | 8 35 | 8 27 | 0 57 | 13 28 | 3 0 |
| T 29 | 22 41 | 4 59 | 1n 2 | 16 6 | 2 37 | 15 6 | 1 37 | 8 10 | 0 55 | 4 54 | 1 24 | 8 15 | 2 38 | 23 32 | 0 22 | 4 50 | 1 16 | 2 37 | 15 57 | 8 35 | 8 28 | 0 55 | 13 27 | 3 0 |
| F 30 | 22 47 | 0 25 | 2 13 | 16 36 | 2 28 | 15 28 | 1 35 | 7 58 | 0 54 | 4 54 | 1 24 | 8 14 | 2 37 | 23 31 | 0 22 | 4 50 | 1 16 | 2 36 | 15 58 | 8 35 | 8 29 | 0 53 | 13 26 | 3 0 |
| S 31 | 22n53 | 4s12 | 3n16 | 17n 6 | 2s18 | 15n49 | 1s34 | 7n46 | 0n52 | 4s54 | 1n24 | 8s14 | 2n37 | 23n31 | 0n22 | 4s50 | 1s16 | 2s36 | 15s58 | 8n36 | 8n30 | 0s51 | 13s25 | 3n 0 |

Julian Day Number = 2219744.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'15, Lahiri = 15°00'16 Julian Calendar 1 May 1365 == Greg. Calendar 9 May 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## JUNE 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 56 | 17♊57'51 | 2♏44 | 27♉34 | 19♉28 | 12♍49 | 15°R38 | 27°R38 | 9♋56 | 20♓47 | 2♉38 | 7°R54 | 8♍12 | 2♈55 | 14°R36 | S 1 |
| M 2 | 17 13 52 | 18°55'03 | 17° 7 | 29° 9 | 20°40 | 13°18 | 15♎38 | 27♎36 | 10° 0 | 20°47 | 2°39 | 7♍46 | 8° 8 | 3° 1 | 14♏33 | M 2 |
| T 3 | 17 17 49 | 19°52'15 | 1♐25 | 0♊46 | 21°52 | 13°47 | 15°37 | 27°34 | 10° 3 | 20°48 | 2°40 | 7°36 | 8° 5 | 3° 8 | 14°29 | T 3 |
| W 4 | 17 21 45 | 20°49'27 | 15°32 | 2°26 | 23° 4 | 14°16 | 15°D37 | 27°32 | 10° 7 | 20°48 | 2°41 | 7°25 | 8° 2 | 3°15 | 14°27 | W 4 |
| T 5 | 17 25 42 | 21°46'38 | 29°23 | 4° 9 | 24°16 | 14°45 | 15°37 | 27°30 | 10°10 | 20°48 | 2°42 | 7°14 | 7°59 | 3°21 | 14°24 | T 5 |
| F 6 | 17 29 38 | 22°43'49 | 12♑55 | 5°55 | 25°28 | 15°15 | 15°38 | 27°29 | 10°14 | 20°49 | 2°43 | 7° 4 | 7°56 | 3°28 | 14°21 | F 6 |
| S 7 | 17 33 35 | 23°40'59 | 26° 4 | 7°44 | 26°40 | 15°45 | 15°38 | 27°27 | 10°17 | 20°49 | 2°43 | 6°56 | 7°53 | 3°35 | 14°18 | S 7 |
| S 8 | 17 37 31 | 24°38'10 | 8♒52 | 9°36 | 27°52 | 16°15 | 15°39 | 27°26 | 10°21 | 20°49 | 2°44 | 6°50 | 7°49 | 3°41 | 14°15 | S 8 |
| M 9 | 17 41 28 | 25°35'20 | 21°20 | 11°30 | 29° 4 | 16°45 | 15°39 | 27°24 | 10°24 | 20°49 | 2°45 | 6°47 | 7°46 | 3°48 | 14°13 | M 9 |
| T 10 | 17 45 25 | 26°32'30 | 3♓30 | 13°27 | 0♊16 | 17°16 | 15°40 | 27°23 | 10°28 | 20°50 | 2°46 | 6°D46 | 7°43 | 3°55 | 14°10 | T 10 |
| W11 | 17 49 21 | 27°29'41 | 15°29 | 15°26 | 1°29 | 17°47 | 15°41 | 27°22 | 10°32 | 20°50 | 2°47 | 6°47 | 7°40 | 4° 1 | 14° 8 | W11 |
| T 12 | 17 53 18 | 28°26'51 | 27°20 | 17°27 | 2°41 | 18°18 | 15°43 | 27°21 | 10°35 | 20°50 | 2°48 | 6°R47 | 7°37 | 4° 8 | 14° 5 | T 12 |
| F 13 | 17 57 14 | 29°24'02 | 9♈ 9 | 19°31 | 3°53 | 18°49 | 15°44 | 27°20 | 10°39 | 20°50 | 2°49 | 6°46 | 7°33 | 4°15 | 14° 3 | F 13 |
| S 14 | 18 1 11 | 0♋21'12 | 21° 2 | 21°36 | 5° 6 | 19°20 | 15°46 | 27°19 | 10°42 | 20°50 | 2°50 | 6°44 | 7°30 | 4°21 | 14° 1 | S 14 |
| S 15 | 18 5 7 | 1°18'23 | 3♉ 3 | 23°43 | 6°18 | 19°51 | 15°48 | 27°18 | 10°46 | 20°50 | 2°50 | 6°40 | 7°27 | 4°28 | 13°59 | S 15 |
| M16 | 18 9 4 | 2°15'35 | 15°16 | 25°50 | 7°30 | 20°23 | 15°50 | 27°17 | 10°50 | 20°R50 | 2°51 | 6°33 | 7°24 | 4°35 | 13°57 | M16 |
| T 17 | 18 13 0 | 3°12'46 | 27°46 | 27°59 | 8°43 | 20°55 | 15°52 | 27°17 | 10°53 | 20°50 | 2°52 | 6°25 | 7°21 | 4°41 | 13°55 | T 17 |
| W18 | 18 16 57 | 4° 9'58 | 10♊33 | 0♋ 9 | 9°55 | 21°27 | 15°54 | 27°16 | 10°57 | 20°50 | 2°53 | 6°15 | 7°18 | 4°48 | 13°53 | W18 |
| T 19 | 18 20 54 | 5° 7'09 | 23°38 | 2°19 | 11° 8 | 21°59 | 15°57 | 27°16 | 11° 0 | 20°50 | 2°53 | 6° 4 | 7°14 | 4°55 | 13°51 | T 19 |
| F 20 | 18 24 50 | 6° 4'21 | 7♋ 1 | 4°29 | 12°20 | 22°31 | 16° 0 | 27°15 | 11° 4 | 20°50 | 2°54 | 5°54 | 7°11 | 5° 1 | 13°50 | F 20 |
| S 21 | 18 28 47 | 7° 1'34 | 20°39 | 6°39 | 13°33 | 23° 3 | 16° 2 | 27°15 | 11° 8 | 20°50 | 2°55 | 5°46 | 7° 8 | 5° 8 | 13°48 | S 21 |
| S 22 | 18 32 43 | 7°58'46 | 4♌29 | 8°48 | 14°45 | 23°36 | 16° 5 | 27°15 | 11°11 | 20°49 | 2°56 | 5°40 | 7° 5 | 5°15 | 13°47 | S 22 |
| M23 | 18 36 40 | 8°55'58 | 18°29 | 10°57 | 15°58 | 24° 9 | 16° 9 | 27°D15 | 11°15 | 20°49 | 2°56 | 5°37 | 7° 2 | 5°21 | 13°45 | M23 |
| T 24 | 18 40 36 | 9°53'10 | 2♍34 | 13° 5 | 17°10 | 24°42 | 16°12 | 27°15 | 11°19 | 20°49 | 2°57 | 5°D36 | 6°59 | 5°28 | 13°44 | T 24 |
| W25 | 18 44 33 | 10°50'23 | 16°42 | 15°12 | 18°23 | 25°15 | 16°16 | 27°15 | 11°22 | 20°49 | 2°57 | 5°36 | 6°55 | 5°35 | 13°43 | W25 |
| T 26 | 18 48 29 | 11°47'35 | 0♎52 | 17°17 | 19°36 | 25°48 | 16°19 | 27°16 | 11°26 | 20°48 | 2°58 | 5°37 | 6°52 | 5°41 | 13°42 | T 26 |
| F 27 | 18 52 26 | 12°44'47 | 15° 2 | 19°22 | 20°49 | 26°22 | 16°23 | 27°16 | 11°30 | 20°48 | 2°59 | 5°R37 | 6°49 | 5°48 | 13°41 | F 27 |
| S 28 | 18 56 23 | 13°41'59 | 29°10 | 21°25 | 22° 1 | 26°55 | 16°27 | 27°16 | 11°33 | 20°48 | 2°59 | 5°36 | 6°46 | 5°55 | 13°40 | S 28 |
| S 29 | 19 0 19 | 14°39'12 | 13♏15 | 23°26 | 23°14 | 27°29 | 16°31 | 27°17 | 11°37 | 20°47 | 3° 0 | 5°33 | 6°43 | 6° 1 | 13°39 | S 29 |
| M30 | 19 4 16 | 15♋36'24 | 27♏15 | 25♋25 | 24♊27 | 28♍ 3 | 16♎36 | 27♎18 | 11♋40 | 20♓47 | 3♉ 0 | 5♍28 | 6♍39 | 6♈ 8 | 13♏39 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n58 | 8s36 | 4n 7 | 17n37 | 2s 8 | 16n11 | 1s32 | 7n33 | 0n51 | 4s54 | 1n23 | 8s13 | 2n37 | 23n31 | 0n22 | 4s50 | 1s16 | 2s36 | 15s58 | 8n38 | 8n32 | 0s49 | 13s24 | 3n 0 |
| M 2 | 23 3 | 12 29 | 4 42 | 18 8 | 1 57 | 16 31 | 1 31 | 7 21 | 0 50 | 4 54 | 1 23 | 8 13 | 2 37 | 23 31 | 0 22 | 4 50 | 1 16 | 2 36 | 15 58 | 8 41 | 8 33 | 0 47 | 13 23 | 3 0 |
| T 3 | 23 8 | 15 37 | 5 0 | 18 39 | 1 46 | 16 52 | 1 29 | 7 8 | 0 48 | 4 54 | 1 23 | 8 12 | 2 36 | 23 30 | 0 22 | 4 50 | 1 16 | 2 36 | 15 59 | 8 45 | 8 34 | 0 45 | 13 22 | 3 0 |
| W 4 | 23 12 | 17 47 | 4 58 | 19 10 | 1 35 | 17 12 | 1 27 | 6 56 | 0 47 | 4 54 | 1 22 | 8 12 | 2 36 | 23 30 | 0 22 | 4 50 | 1 16 | 2 36 | 15 59 | 8 49 | 8 35 | 0 43 | 13 21 | 3 0 |
| T 5 | 23 16 | 18 52 | 4 39 | 19 40 | 1 24 | 17 31 | 1 25 | 6 43 | 0 46 | 4 54 | 1 22 | 8 12 | 2 36 | 23 30 | 0 22 | 4 50 | 1 16 | 2 36 | 15 59 | 8 53 | 8 36 | 0 41 | 13 20 | 3 0 |
| F 6 | 23 19 | 18 49 | 4 5 | 20 11 | 1 12 | 17 51 | 1 23 | 6 31 | 0 44 | 4 55 | 1 22 | 8 11 | 2 36 | 23 30 | 0 22 | 4 49 | 1 16 | 2 36 | 15 59 | 8 57 | 8 37 | 0 39 | 13 19 | 3 0 |
| S 7 | 23 22 | 17 45 | 3 18 | 20 40 | 1 1 | 18 9 | 1 21 | 6 18 | 0 43 | 4 55 | 1 22 | 8 11 | 2 35 | 23 29 | 0 22 | 4 49 | 1 16 | 2 35 | 15 59 | 9 0 | 8 39 | 0 37 | 13 19 | 3 1 |
| S 8 | 23 25 | 15 48 | 2 23 | 21 9 | 0 49 | 18 28 | 1 19 | 6 5 | 0 42 | 4 56 | 1 21 | 8 11 | 2 35 | 23 29 | 0 22 | 4 49 | 1 17 | 2 35 | 16 0 | 9 2 | 8 40 | 0 36 | 13 18 | 3 1 |
| M 9 | 23 27 | 13 9 | 1 21 | 21 37 | 0 37 | 18 46 | 1 17 | 5 52 | 0 40 | 4 56 | 1 21 | 8 10 | 2 35 | 23 29 | 0 22 | 4 49 | 1 17 | 2 35 | 16 0 | 9 3 | 8 41 | 0 34 | 13 17 | 3 1 |
| T 10 | 23 28 | 9 59 | 0 17 | 22 4 | 0 26 | 19 3 | 1 15 | 5 39 | 0 39 | 4 57 | 1 21 | 8 10 | 2 35 | 23 28 | 0 22 | 4 49 | 1 17 | 2 35 | 16 0 | 9 3 | 8 42 | 0 32 | 13 16 | 3 1 |
| W11 | 23 30 | 6 27 | 0s46 | 22 29 | 0 14 | 19 20 | 1 13 | 5 26 | 0 38 | 4 57 | 1 21 | 8 10 | 2 34 | 23 28 | 0 22 | 4 49 | 1 17 | 2 35 | 16 0 | 9 3 | 8 43 | 0 30 | 13 15 | 3 1 |
| T 12 | 23 31 | 2 42 | 1 47 | 22 53 | 0 3 | 19 36 | 1 11 | 5 12 | 0 37 | 4 58 | 1 20 | 8 10 | 2 34 | 23 28 | 0 22 | 4 49 | 1 17 | 2 35 | 16 1 | 9 3 | 8 45 | 0 28 | 13 15 | 3 1 |
| F 13 | 23 31 | 1n 8 | 2 44 | 23 15 | 0n 8 | 19 52 | 1 9 | 4 59 | 0 35 | 4 59 | 1 20 | 8 10 | 2 34 | 23 28 | 0 22 | 4 49 | 1 17 | 2 35 | 16 1 | 9 3 | 8 46 | 0 26 | 13 14 | 3 1 |
| S 14 | 23 31 | 4 56 | 3 33 | 23 34 | 0 19 | 20 8 | 1 7 | 4 46 | 0 34 | 5 0 | 1 20 | 8 10 | 2 34 | 23 27 | 0 22 | 4 49 | 1 17 | 2 35 | 16 1 | 9 4 | 8 47 | 0 24 | 13 13 | 3 1 |
| S 15 | 23 31 | 8 36 | 4 14 | 23 52 | 0 30 | 20 22 | 1 4 | 4 32 | 0 33 | 5 1 | 1 19 | 8 10 | 2 33 | 23 27 | 0 22 | 4 49 | 1 17 | 2 35 | 16 1 | 9 6 | 8 48 | 0 22 | 13 13 | 3 1 |
| M16 | 23 30 | 11 57 | 4 44 | 24 7 | 0 40 | 20 37 | 1 2 | 4 19 | 0 32 | 5 2 | 1 19 | 8 10 | 2 33 | 23 27 | 0 22 | 4 49 | 1 17 | 2 35 | 16 2 | 9 8 | 8 49 | 0 20 | 13 12 | 3 1 |
| T 17 | 23 29 | 14 51 | 5 1 | 24 19 | 0 49 | 20 51 | 1 0 | 4 5 | 0 31 | 5 3 | 1 19 | 8 10 | 2 33 | 23 26 | 0 22 | 4 49 | 1 17 | 2 35 | 16 2 | 9 11 | 8 50 | 0 18 | 13 11 | 3 1 |
| W18 | 23 27 | 17 6 | 5 3 | 24 29 | 0 58 | 21 4 | 0 57 | 3 51 | 0 29 | 5 4 | 1 19 | 8 10 | 2 33 | 23 26 | 0 22 | 4 49 | 1 17 | 2 35 | 16 2 | 9 15 | 8 52 | 0 16 | 13 11 | 3 1 |
| T 19 | 23 25 | 18 32 | 4 50 | 24 36 | 1 6 | 21 17 | 0 55 | 3 37 | 0 28 | 5 5 | 1 18 | 8 10 | 2 32 | 23 26 | 0 22 | 4 50 | 1 17 | 2 35 | 16 2 | 9 19 | 8 53 | 0 14 | 13 10 | 3 1 |
| F 20 | 23 23 | 18 59 | 4 21 | 24 40 | 1 14 | 21 29 | 0 53 | 3 24 | 0 27 | 5 7 | 1 18 | 8 10 | 2 32 | 23 26 | 0 22 | 4 50 | 1 17 | 2 35 | 16 3 | 9 23 | 8 54 | 0 12 | 13 10 | 3 1 |
| S 21 | 23 20 | 18 22 | 3 36 | 24 42 | 1 21 | 21 40 | 0 50 | 3 10 | 0 26 | 5 8 | 1 18 | 8 10 | 2 32 | 23 25 | 0 22 | 4 50 | 1 17 | 2 35 | 16 3 | 9 26 | 8 55 | 0 10 | 13 9 | 3 1 |
| S 22 | 23 17 | 16 38 | 2 39 | 24 40 | 1 27 | 21 51 | 0 48 | 2 56 | 0 25 | 5 10 | 1 17 | 8 10 | 2 32 | 23 25 | 0 22 | 4 50 | 1 17 | 2 35 | 16 3 | 9 28 | 8 56 | 0 9 | 13 9 | 3 1 |
| M23 | 23 13 | 13 54 | 1 31 | 24 36 | 1 32 | 22 2 | 0 45 | 2 42 | 0 24 | 5 11 | 1 17 | 8 11 | 2 31 | 23 25 | 0 22 | 4 50 | 1 17 | 2 35 | 16 4 | 9 29 | 8 58 | 0 7 | 13 9 | 3 1 |
| T 24 | 23 9 | 10 21 | 0 16 | 24 29 | 1 37 | 22 11 | 0 43 | 2 27 | 0 22 | 5 13 | 1 17 | 8 11 | 2 31 | 23 24 | 0 22 | 4 50 | 1 17 | 2 35 | 16 4 | 9 29 | 8 59 | 0 5 | 13 8 | 3 1 |
| W25 | 23 5 | 6 11 | 0n59 | 24 19 | 1 41 | 22 20 | 0 40 | 2 13 | 0 21 | 5 14 | 1 17 | 8 11 | 2 31 | 23 24 | 0 22 | 4 50 | 1 17 | 2 35 | 16 4 | 9 29 | 9 0 | 0 3 | 13 8 | 3 1 |
| T 26 | 23 0 | 1 40 | 2 12 | 24 7 | 1 44 | 22 29 | 0 38 | 1 59 | 0 20 | 5 16 | 1 16 | 8 11 | 2 30 | 23 24 | 0 22 | 4 50 | 1 17 | 2 35 | 16 4 | 9 29 | 9 1 | 0 1 | 13 8 | 3 1 |
| F 27 | 22 54 | 2s56 | 3 16 | 23 53 | 1 47 | 22 37 | 0 35 | 1 45 | 0 19 | 5 18 | 1 16 | 8 12 | 2 30 | 23 23 | 0 22 | 4 51 | 1 17 | 2 36 | 16 5 | 9 29 | 9 2 | 0n 1 | 13 7 | 3 1 |
| S 28 | 22 49 | 7 21 | 4 8 | 23 36 | 1 49 | 22 44 | 0 33 | 1 30 | 0 18 | 5 19 | 1 16 | 8 12 | 2 30 | 23 23 | 0 22 | 4 51 | 1 18 | 2 36 | 16 5 | 9 29 | 9 3 | 0 3 | 13 7 | 3 1 |
| S 29 | 22 43 | 11 21 | 4 45 | 23 17 | 1 50 | 22 51 | 0 30 | 1 16 | 0 17 | 5 21 | 1 16 | 8 13 | 2 30 | 23 23 | 0 22 | 4 51 | 1 18 | 2 36 | 16 5 | 9 30 | 9 5 | 0 5 | 13 7 | 3 1 |
| M30 | 22n36 | 14s40 | 5n 4 | 22n56 | 1n50 | 22n57 | 0s28 | 1n 1 | 0n16 | 5s23 | 1n15 | 8s13 | 2n29 | 23n23 | 0n22 | 4s51 | 1s18 | 2s36 | 16s 6 | 9n32 | 9n 6 | 0n 7 | 13s 7 | 3n 1 |

Julian Day Number = 2219775.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'19, Lahiri = 15°00'20 Julian Calendar 1 June 1365 == Greg. Calendar 9 June 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## JULY 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 8 12 | 16♋33'37 | 11♐ 7 | 27♋23 | 25♊40 | 28♍37 | 16♎40 | 27♎18 | 11♋44 | 20°R46 | 3♉ 1 | 5°R21 | 6♍36 | 6♈15 | 13°R38 | T 1 |
| W 2 | 19 12 9 | 17°30'51 | 24°48 | 29°20 | 26°53 | 29°11 | 16°45 | 27°19 | 11°48 | 20♓46 | 3° 1 | 5♍14 | 6°33 | 6°21 | 13♏38 | W 2 |
| T 3 | 19 16 5 | 18°28'04 | 8♑15 | 1♌14 | 28° 6 | 29°45 | 16°50 | 27°20 | 11°51 | 20°45 | 3° 2 | 5° 6 | 6°30 | 6°28 | 13°37 | T 3 |
| F 4 | 19 20 2 | 19°25'19 | 21°26 | 3° 7 | 29°18 | 0♎20 | 16°55 | 27°21 | 11°55 | 20°45 | 3° 2 | 4°59 | 6°27 | 6°35 | 13°37 | F 4 |
| S 5 | 19 23 58 | 20°22'33 | 4♒21 | 4°58 | 0♋31 | 0°54 | 17° 0 | 27°22 | 11°59 | 20°44 | 3° 3 | 4°54 | 6°24 | 6°41 | 13°37 | S 5 |
| S 6 | 19 27 55 | 21°19'49 | 16°58 | 6°47 | 1°44 | 1°29 | 17° 5 | 27°24 | 12° 2 | 20°43 | 3° 3 | 4°50 | 6°20 | 6°48 | 13°D37 | S 6 |
| M 7 | 19 31 52 | 22°17'05 | 29°19 | 8°35 | 2°58 | 2° 4 | 17°11 | 27°25 | 12° 6 | 20°43 | 3° 3 | 4°D48 | 6°17 | 6°55 | 13°37 | M 7 |
| T 8 | 19 35 48 | 23°14'22 | 11♓26 | 10°20 | 4°11 | 2°39 | 17°16 | 27°26 | 12° 9 | 20°42 | 3° 4 | 4°49 | 6°14 | 7° 1 | 13°37 | T 8 |
| W 9 | 19 39 45 | 24°11'40 | 23°23 | 12° 4 | 5°24 | 3°14 | 17°22 | 27°28 | 12°13 | 20°41 | 3° 4 | 4°50 | 6°11 | 7° 8 | 13°37 | W 9 |
| T 10 | 19 43 41 | 25° 8'58 | 5♈15 | 13°46 | 6°37 | 3°49 | 17°28 | 27°29 | 12°17 | 20°41 | 3° 5 | 4°51 | 6° 8 | 7°15 | 13°37 | T 10 |
| F 11 | 19 47 38 | 26° 6'18 | 17° 4 | 15°27 | 7°50 | 4°25 | 17°34 | 27°31 | 12°20 | 20°40 | 3° 5 | 4°53 | 6° 5 | 7°21 | 13°38 | F 11 |
| S 12 | 19 51 34 | 27° 3'39 | 28°58 | 17° 6 | 9° 3 | 5° 0 | 17°40 | 27°33 | 12°24 | 20°39 | 3° 5 | 4°R53 | 6° 1 | 7°28 | 13°38 | S 12 |
| S 13 | 19 55 31 | 28° 1'01 | 11♉ 0 | 18°43 | 10°17 | 5°36 | 17°46 | 27°35 | 12°27 | 20°38 | 3° 5 | 4°52 | 5°58 | 7°35 | 13°39 | S 13 |
| M14 | 19 59 27 | 28°58'24 | 23°15 | 20°18 | 11°30 | 6°12 | 17°53 | 27°37 | 12°31 | 20°37 | 3° 6 | 4°50 | 5°55 | 7°41 | 13°40 | M14 |
| T 15 | 20 3 24 | 29°55'49 | 5♊48 | 21°52 | 12°43 | 6°47 | 17°59 | 27°39 | 12°34 | 20°37 | 3° 6 | 4°46 | 5°52 | 7°48 | 13°41 | T 15 |
| W16 | 20 7 21 | 0♌53'14 | 18°41 | 23°24 | 13°57 | 7°24 | 18° 6 | 27°41 | 12°38 | 20°36 | 3° 6 | 4°41 | 5°49 | 7°55 | 13°42 | W16 |
| T 17 | 20 11 17 | 1°50'41 | 1♋57 | 24°54 | 15°10 | 8° 0 | 18°13 | 27°43 | 12°41 | 20°35 | 3° 6 | 4°36 | 5°45 | 8° 1 | 13°43 | T 17 |
| F 18 | 20 15 14 | 2°48'09 | 15°34 | 26°22 | 16°23 | 8°36 | 18°20 | 27°46 | 12°45 | 20°34 | 3° 6 | 4°31 | 5°42 | 8° 8 | 13°44 | F 18 |
| S 19 | 20 19 10 | 3°45'38 | 29°31 | 27°49 | 17°37 | 9°12 | 18°27 | 27°48 | 12°48 | 20°33 | 3° 7 | 4°27 | 5°39 | 8°15 | 13°45 | S 19 |
| S 20 | 20 23 7 | 4°43'08 | 13♌44 | 29°14 | 18°50 | 9°49 | 18°34 | 27°51 | 12°52 | 20°32 | 3° 7 | 4°24 | 5°36 | 8°21 | 13°46 | S 20 |
| M21 | 20 27 3 | 5°40'39 | 28° 9 | 0♍37 | 20° 4 | 10°26 | 18°42 | 27°53 | 12°55 | 20°31 | 3° 7 | 4°D23 | 5°33 | 8°28 | 13°48 | M21 |
| T 22 | 20 31 0 | 6°38'11 | 12♍40 | 1°58 | 21°17 | 11° 2 | 18°49 | 27°56 | 12°59 | 20°30 | 3° 7 | 4°23 | 5°30 | 8°35 | 13°49 | T 22 |
| W23 | 20 34 56 | 7°35'43 | 27°11 | 3°17 | 22°31 | 11°39 | 18°57 | 27°59 | 13° 2 | 20°29 | 3° 7 | 4°24 | 5°26 | 8°41 | 13°51 | W23 |
| T 24 | 20 38 53 | 8°33'17 | 11♎38 | 4°35 | 23°45 | 12°16 | 19° 5 | 28° 2 | 13° 6 | 20°27 | 3° 7 | 4°25 | 5°23 | 8°48 | 13°53 | T 24 |
| F 25 | 20 42 50 | 9°30'52 | 25°57 | 5°50 | 24°58 | 12°53 | 19°13 | 28° 5 | 13° 9 | 20°26 | 3°R 7 | 4°26 | 5°20 | 8°55 | 13°55 | F 25 |
| S 26 | 20 46 46 | 10°28'27 | 10♏ 6 | 7° 4 | 26°12 | 13°31 | 19°21 | 28° 8 | 13°12 | 20°25 | 3° 7 | 4°R27 | 5°17 | 9° 1 | 13°57 | S 26 |
| S 27 | 20 50 43 | 11°26'04 | 24° 4 | 8°15 | 27°26 | 14° 8 | 19°29 | 28°11 | 13°16 | 20°24 | 3° 7 | 4°26 | 5°14 | 9° 8 | 13°59 | S 27 |
| M28 | 20 54 39 | 12°23'41 | 7♐48 | 9°24 | 28°40 | 14°45 | 19°37 | 28°14 | 13°19 | 20°23 | 3° 7 | 4°25 | 5°10 | 9°15 | 14° 1 | M28 |
| T 29 | 20 58 36 | 13°21'20 | 21°19 | 10°31 | 29°53 | 15°23 | 19°45 | 28°18 | 13°22 | 20°21 | 3° 7 | 4°22 | 5° 7 | 9°21 | 14° 3 | T 29 |
| W30 | 21 2 32 | 14°19'00 | 4♑35 | 11°35 | 1♌ 7 | 16° 1 | 19°54 | 28°21 | 13°25 | 20°20 | 3° 7 | 4°20 | 5° 4 | 9°28 | 14° 5 | W30 |
| T 31 | 21 6 29 | 15♌16'41 | 17♑38 | 12♍37 | 2♌21 | 16♎39 | 20♎ 2 | 28♎25 | 13♋29 | 20♓19 | 3♉ 7 | 4♍17 | 5♍ 1 | 9♈35 | 14♏ 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n29 | 17s 8 | 5n 6 | 22n33 | 1n50 | 23n 2 | 0s25 | 0n47 | 0n15 | 5s25 | 1n15 | 8s14 | 2n29 | 23n22 | 0n22 | 4s52 | 1s18 | 2s36 | 16s 6 | 9n35 | 9n 7 | 0n 9 | 13s 7 | 3n 1 | |
| W 2 | 22 22 | 18 35 | 4 50 | 22 8 | 1 49 | 23 7 | 0 22 | 0 32 | 0 14 | 5 27 | 1 15 | 8 14 | 2 29 | 23 22 | 0 22 | 4 52 | 1 18 | 2 36 | 16 6 | 9 38 | 9 8 | 0 11 | 13 6 | 3 1 | |
| T 3 | 22 14 | 18 58 | 4 18 | 21 42 | 1 47 | 23 11 | 0 20 | 0 18 | 0 13 | 5 29 | 1 15 | 8 15 | 2 29 | 23 22 | 0 22 | 4 52 | 1 18 | 2 36 | 16 6 | 9 40 | 9 9 | 0 13 | 13 6 | 3 1 | |
| F 4 | 22 6 | 18 18 | 3 33 | 21 14 | 1 45 | 23 14 | 0 17 | 0 3 | 0 12 | 5 31 | 1 14 | 8 16 | 2 28 | 23 21 | 0 22 | 4 52 | 1 18 | 2 36 | 16 7 | 9 43 | 9 11 | 0 15 | 13 6 | 3 1 | |
| S 5 | 21 58 | 16 41 | 2 37 | 20 45 | 1 42 | 23 17 | 0 15 | 0s12 | 0 11 | 5 34 | 1 14 | 8 16 | 2 28 | 23 21 | 0 22 | 4 53 | 1 18 | 2 36 | 16 7 | 9 45 | 9 12 | 0 17 | 13 6 | 3 1 | |
| S 6 | 21 49 | 14 17 | 1 35 | 20 14 | 1 39 | 23 19 | 0 12 | 0 27 | 0 10 | 5 36 | 1 14 | 8 17 | 2 28 | 23 21 | 0 22 | 4 53 | 1 18 | 2 37 | 16 7 | 9 46 | 9 13 | 0 19 | 13 6 | 3 0 | |
| M 7 | 21 40 | 11 17 | 0 30 | 19 43 | 1 35 | 23 20 | 0 9 | 0 42 | 0 9 | 5 38 | 1 13 | 8 18 | 2 28 | 23 20 | 0 22 | 4 53 | 1 18 | 2 37 | 16 8 | 9 47 | 9 14 | 0 20 | 13 6 | 3 0 | |
| T 8 | 21 31 | 7 51 | 0s36 | 19 10 | 1 31 | 23 20 | 0 7 | 0 56 | 0 8 | 5 41 | 1 13 | 8 18 | 2 27 | 23 20 | 0 22 | 4 53 | 1 18 | 2 37 | 16 8 | 9 47 | 9 15 | 0 22 | 13 7 | 3 0 | |
| W 9 | 21 21 | 4 9 | 1 39 | 18 37 | 1 26 | 23 20 | 0 4 | 1 11 | 0 7 | 5 43 | 1 13 | 8 19 | 2 27 | 23 20 | 0 22 | 4 54 | 1 18 | 2 37 | 16 8 | 9 46 | 9 16 | 0 24 | 13 7 | 3 0 | |
| T 10 | 21 11 | 0 20 | 2 38 | 18 2 | 1 21 | 23 20 | 0 2 | 1 26 | 0 6 | 5 45 | 1 13 | 8 20 | 2 27 | 23 19 | 0 22 | 4 54 | 1 18 | 2 37 | 16 9 | 9 46 | 9 18 | 0 26 | 13 7 | 3 0 | |
| F 11 | 21 0 | 3n30 | 3 30 | 17 27 | 1 15 | 23 18 | 0n 1 | 1 41 | 0 5 | 5 48 | 1 12 | 8 21 | 2 26 | 23 19 | 0 22 | 4 54 | 1 18 | 2 38 | 16 9 | 9 45 | 9 19 | 0 28 | 13 7 | 3 0 | |
| S 12 | 20 49 | 7 12 | 4 13 | 16 52 | 1 9 | 23 16 | 0 4 | 1 56 | 0 4 | 5 51 | 1 12 | 8 22 | 2 26 | 23 19 | 0 23 | 4 55 | 1 18 | 2 38 | 16 9 | 9 45 | 9 20 | 0 30 | 13 7 | 3 0 | |
| S 13 | 20 38 | 10 39 | 4 45 | 16 16 | 1 3 | 23 13 | 0 6 | 2 11 | 0 3 | 5 53 | 1 12 | 8 23 | 2 26 | 23 18 | 0 23 | 4 55 | 1 18 | 2 38 | 16 10 | 9 45 | 9 21 | 0 32 | 13 7 | 3 0 | |
| M14 | 20 26 | 13 43 | 5 6 | 15 39 | 0 56 | 23 10 | 0 9 | 2 26 | 0 2 | 5 56 | 1 12 | 8 24 | 2 26 | 23 18 | 0 23 | 4 56 | 1 18 | 2 38 | 16 10 | 9 46 | 9 22 | 0 34 | 13 8 | 3 0 | |
| T 15 | 20 14 | 16 14 | 5 12 | 15 2 | 0 49 | 23 6 | 0 11 | 2 42 | 0 1 | 5 59 | 1 12 | 8 25 | 2 25 | 23 18 | 0 23 | 4 56 | 1 18 | 2 38 | 16 10 | 9 48 | 9 23 | 0 36 | 13 8 | 3 0 | |
| W16 | 20 2 | 18 0 | 5 3 | 14 25 | 0 41 | 23 1 | 0 14 | 2 57 | 0s 0 | 6 1 | 1 11 | 8 26 | 2 25 | 23 17 | 0 23 | 4 56 | 1 18 | 2 39 | 16 10 | 9 50 | 9 25 | 0 38 | 13 8 | 3 0 | |
| T 17 | 19 49 | 18 53 | 4 37 | 13 48 | 0 34 | 22 55 | 0 16 | 3 12 | 0 1 | 6 4 | 1 11 | 8 27 | 2 25 | 23 17 | 0 23 | 4 57 | 1 18 | 2 39 | 16 11 | 9 51 | 9 26 | 0 40 | 13 9 | 3 0 | |
| F 18 | 19 36 | 18 42 | 3 56 | 13 10 | 0 26 | 22 49 | 0 19 | 3 27 | 0 2 | 6 7 | 1 11 | 8 28 | 2 25 | 23 17 | 0 23 | 4 57 | 1 18 | 2 39 | 16 11 | 9 53 | 9 27 | 0 42 | 13 9 | 3 0 | |
| S 19 | 19 23 | 17 24 | 2 59 | 12 32 | 0 17 | 22 42 | 0 21 | 3 42 | 0 3 | 6 10 | 1 11 | 8 29 | 2 24 | 23 17 | 0 23 | 4 58 | 1 19 | 2 39 | 16 11 | 9 55 | 9 28 | 0 44 | 13 10 | 3 0 | |
| S 20 | 19 9 | 14 59 | 1 51 | 11 55 | 0 9 | 22 35 | 0 23 | 3 58 | 0 4 | 6 13 | 1 10 | 8 30 | 2 24 | 23 16 | 0 23 | 4 58 | 1 19 | 2 40 | 16 12 | 9 56 | 9 29 | 0 46 | 13 10 | 3 0 | |
| M21 | 18 55 | 11 37 | 0 34 | 11 17 | 0s 0 | 22 26 | 0 26 | 4 13 | 0 5 | 6 16 | 1 10 | 8 31 | 2 24 | 23 16 | 0 23 | 4 59 | 1 19 | 2 40 | 16 12 | 9 56 | 9 31 | 0 48 | 13 10 | 3 0 | |
| T 22 | 18 41 | 7 32 | 0n45 | 10 40 | 0 9 | 22 17 | 0 28 | 4 28 | 0 6 | 6 19 | 1 10 | 8 32 | 2 24 | 23 16 | 0 23 | 4 59 | 1 19 | 2 40 | 16 12 | 9 56 | 9 32 | 0 50 | 13 11 | 3 0 | |
| W23 | 18 26 | 2 59 | 2 2 | 10 2 | 0 19 | 22 8 | 0 30 | 4 43 | 0 7 | 6 22 | 1 10 | 8 34 | 2 23 | 23 15 | 0 23 | 4 59 | 1 19 | 2 40 | 16 13 | 9 56 | 9 33 | 0 52 | 13 12 | 3 0 | |
| T 24 | 18 11 | 1s41 | 3 11 | 9 25 | 0 28 | 21 58 | 0 33 | 4 59 | 0 7 | 6 25 | 1 9 | 8 35 | 2 23 | 23 15 | 0 23 | 5 0 | 1 19 | 2 41 | 16 13 | 9 55 | 9 34 | 0 54 | 13 12 | 2 59 | |
| F 25 | 17 56 | 6 14 | 4 7 | 8 49 | 0 38 | 21 47 | 0 35 | 5 14 | 0 8 | 6 29 | 1 9 | 8 36 | 2 23 | 23 15 | 0 23 | 5 0 | 1 19 | 2 41 | 16 13 | 9 55 | 9 35 | 0 55 | 13 13 | 2 59 | |
| S 26 | 17 40 | 10 21 | 4 47 | 8 12 | 0 48 | 21 35 | 0 37 | 5 29 | 0 9 | 6 32 | 1 9 | 8 38 | 2 23 | 23 14 | 0 23 | 5 1 | 1 19 | 2 41 | 16 14 | 9 55 | 9 36 | 0 57 | 13 13 | 2 59 | |
| S 27 | 17 25 | 13 51 | 5 10 | 7 37 | 0 58 | 21 23 | 0 39 | 5 45 | 0 10 | 6 35 | 1 9 | 8 39 | 2 22 | 23 14 | 0 23 | 5 1 | 1 19 | 2 42 | 16 14 | 9 55 | 9 38 | 0 59 | 13 14 | 2 59 | |
| M28 | 17 8 | 16 31 | 5 14 | 7 1 | 1 8 | 21 10 | 0 42 | 6 0 | 0 11 | 6 38 | 1 9 | 8 40 | 2 22 | 23 14 | 0 23 | 5 2 | 1 19 | 2 42 | 16 14 | 9 55 | 9 39 | 1 1 | 13 15 | 2 59 | |
| T 29 | 16 52 | 18 13 | 5 1 | 6 27 | 1 18 | 20 57 | 0 44 | 6 15 | 0 12 | 6 42 | 1 8 | 8 42 | 2 22 | 23 13 | 0 23 | 5 2 | 1 19 | 2 42 | 16 15 | 9 56 | 9 40 | 1 3 | 13 15 | 2 59 | |
| W30 | 16 35 | 18 54 | 4 32 | 5 53 | 1 29 | 20 43 | 0 46 | 6 31 | 0 13 | 6 45 | 1 8 | 8 43 | 2 22 | 23 13 | 0 23 | 5 3 | 1 19 | 2 42 | 16 15 | 9 57 | 9 41 | 1 5 | 13 16 | 2 59 | |
| T 31 | 16n18 | 18s34 | 3n50 | 5n19 | 1s39 | 20n29 | 0n48 | 6s46 | 0s13 | 6s49 | 1n 8 | 8s45 | 2n21 | 23n13 | 0n23 | 5s 3 | 1s19 | 2s43 | 16s15 | 9n58 | 9n42 | 1n 7 | 13s17 | 2n59 | |

Julian Day Number = 2219805.5, Delta T = 08m46s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'23, Lahiri = 15°00'24 Julian Calendar 1 July 1365 == Greg. Calendar 9 July 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## AUGUST 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 10 25 | 16♌14'23 | 0♒27 | 13♍36 | 3♌35 | 17♎16 | 20♎11 | 28♎28 | 13♋32 | 20°R18 | 3°R 7 | 4°R14 | 4♍58 | 9♈41 | 14♏10 | F 1 |
| S 2 | 21 14 22 | 17°12'06 | 13° 3 | 14°33 | 4°49 | 17°54 | 20°20 | 28°32 | 13°35 | 20♓16 | 3♉ 6 | 4♍13 | 4°55 | 9°48 | 14°13 | S 2 |
| S 3 | 21 18 19 | 18° 9'51 | 25°25 | 15°26 | 6° 3 | 18°33 | 20°29 | 28°36 | 13°38 | 20°15 | 3° 6 | 4°12 | 4°51 | 9°55 | 14°16 | S 3 |
| M 4 | 21 22 15 | 19° 7'37 | 7♓36 | 16°17 | 7°17 | 19°11 | 20°38 | 28°39 | 13°41 | 20°14 | 3° 6 | 4°D11 | 4°48 | 10° 1 | 14°18 | M 4 |
| T 5 | 21 26 12 | 20° 5'25 | 19°38 | 17° 4 | 8°31 | 19°49 | 20°47 | 28°43 | 13°45 | 20°12 | 3° 6 | 4°12 | 4°45 | 10° 8 | 14°21 | T 5 |
| W 6 | 21 30 8 | 21° 3'14 | 1♈32 | 17°48 | 9°45 | 20°28 | 20°56 | 28°47 | 13°48 | 20°11 | 3° 6 | 4°13 | 4°42 | 10°15 | 14°24 | W 6 |
| T 7 | 21 34 5 | 22° 1'05 | 13°22 | 18°29 | 10°59 | 21° 6 | 21° 6 | 28°51 | 13°51 | 20° 9 | 3° 5 | 4°14 | 4°39 | 10°21 | 14°27 | T 7 |
| F 8 | 21 38 1 | 22°58'57 | 25°11 | 19° 5 | 12°13 | 21°45 | 21°15 | 28°56 | 13°54 | 20° 8 | 3° 5 | 4°15 | 4°36 | 10°28 | 14°31 | F 8 |
| S 9 | 21 41 58 | 23°56'52 | 7♉ 4 | 19°38 | 13°27 | 22°23 | 21°25 | 29° 0 | 13°57 | 20° 7 | 3° 5 | 4°16 | 4°32 | 10°35 | 14°34 | S 9 |
| S 10 | 21 45 54 | 24°54'48 | 19° 5 | 20° 6 | 14°41 | 23° 2 | 21°34 | 29° 4 | 14° 0 | 20° 5 | 3° 5 | 4°16 | 4°29 | 10°41 | 14°37 | S 10 |
| M11 | 21 49 51 | 25°52'47 | 1♊19 | 20°29 | 15°55 | 23°41 | 21°44 | 29° 8 | 14° 3 | 20° 4 | 3° 4 | 4°R17 | 4°26 | 10°48 | 14°41 | M11 |
| T 12 | 21 53 48 | 26°50'47 | 13°50 | 20°48 | 17° 9 | 24°20 | 21°54 | 29°13 | 14° 6 | 20° 2 | 3° 4 | 4°16 | 4°23 | 10°55 | 14°44 | T 12 |
| W13 | 21 57 44 | 27°48'49 | 26°42 | 21° 2 | 18°24 | 24°59 | 22° 4 | 29°17 | 14° 8 | 20° 1 | 3° 3 | 4°16 | 4°20 | 11° 1 | 14°48 | W13 |
| T 14 | 22 1 41 | 28°46'53 | 9♋58 | 21°10 | 19°38 | 25°39 | 22°14 | 29°22 | 14°11 | 19°59 | 3° 3 | 4°15 | 4°16 | 11° 8 | 14°51 | T 14 |
| F 15 | 22 5 37 | 29°44'59 | 23°40 | 21°R12 | 20°52 | 26°18 | 22°24 | 29°27 | 14°14 | 19°58 | 3° 3 | 4°14 | 4°13 | 11°15 | 14°55 | F 15 |
| S 16 | 22 9 34 | 0♍43'07 | 7♌46 | 21° 9 | 22° 7 | 26°58 | 22°34 | 29°31 | 14°17 | 19°56 | 3° 2 | 4°14 | 4°10 | 11°21 | 14°59 | S 16 |
| S 17 | 22 13 30 | 1°41'17 | 22°14 | 21° 0 | 23°21 | 27°37 | 22°45 | 29°36 | 14°20 | 19°55 | 3° 2 | 4°14 | 4° 7 | 11°28 | 15° 3 | S 17 |
| M18 | 22 17 27 | 2°39'28 | 6♍58 | 20°44 | 24°35 | 28°17 | 22°55 | 29°41 | 14°22 | 19°53 | 3° 1 | 4°D14 | 4° 4 | 11°35 | 15° 7 | M18 |
| T 19 | 22 21 23 | 3°37'41 | 21°53 | 20°22 | 25°50 | 28°57 | 23° 5 | 29°46 | 14°25 | 19°51 | 3° 1 | 4°14 | 4° 1 | 11°41 | 15°11 | T 19 |
| W20 | 22 25 20 | 4°35'56 | 6♎49 | 19°53 | 27° 4 | 29°36 | 23°16 | 29°51 | 14°28 | 19°50 | 3° 0 | 4°R14 | 3°57 | 11°48 | 15°16 | W20 |
| T 21 | 22 29 17 | 5°34'12 | 21°39 | 19°18 | 28°19 | 0♏16 | 23°27 | 29°56 | 14°30 | 19°48 | 3° 0 | 4°14 | 3°54 | 11°55 | 15°20 | T 21 |
| F 22 | 22 33 13 | 6°32'31 | 6♏16 | 18°37 | 29°33 | 0°57 | 23°37 | 0♏ 1 | 14°33 | 19°47 | 2°59 | 4°13 | 3°51 | 12° 1 | 15°24 | F 22 |
| S 23 | 22 37 10 | 7°30'50 | 20°36 | 17°51 | 0♍48 | 1°37 | 23°48 | 0° 6 | 14°35 | 19°45 | 2°59 | 4°13 | 3°48 | 12° 8 | 15°29 | S 23 |
| S 24 | 22 41 6 | 8°29'11 | 4♐36 | 16°59 | 2° 2 | 2°17 | 23°59 | 0°11 | 14°38 | 19°43 | 2°58 | 4°D13 | 3°45 | 12°15 | 15°33 | S 24 |
| M25 | 22 45 3 | 9°27'34 | 18°15 | 16° 3 | 3°17 | 2°57 | 24°10 | 0°17 | 14°40 | 19°42 | 2°58 | 4°13 | 3°42 | 12°21 | 15°38 | M25 |
| T 26 | 22 48 59 | 10°25'59 | 1♑34 | 15° 4 | 4°31 | 3°38 | 24°21 | 0°22 | 14°43 | 19°40 | 2°57 | 4°14 | 3°38 | 12°28 | 15°43 | T 26 |
| W27 | 22 52 56 | 11°24'25 | 14°35 | 14° 3 | 5°46 | 4°18 | 24°32 | 0°28 | 14°45 | 19°39 | 2°56 | 4°14 | 3°35 | 12°35 | 15°47 | W27 |
| T 28 | 22 56 52 | 12°22'52 | 27°19 | 13° 1 | 7° 1 | 4°59 | 24°44 | 0°33 | 14°48 | 19°37 | 2°56 | 4°15 | 3°32 | 12°42 | 15°52 | T 28 |
| F 29 | 23 0 49 | 13°21'22 | 9♒49 | 11°59 | 8°15 | 5°40 | 24°55 | 0°39 | 14°50 | 19°35 | 2°55 | 4°16 | 3°29 | 12°48 | 15°57 | F 29 |
| S 30 | 23 4 46 | 14°19'53 | 22° 7 | 10°59 | 9°30 | 6°20 | 25° 6 | 0°44 | 14°52 | 19°34 | 2°54 | 4°16 | 3°26 | 12°55 | 16° 2 | S 30 |
| S 31 | 23 8 42 | 15♍18'26 | 4♓15 | 10♍ 3 | 10♍45 | 7♏ 1 | 25♎18 | 0♏50 | 14♋54 | 19♓32 | 2♉54 | 4°R17 | 3♍22 | 13♈ 2 | 16♏ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n 1 | 17s15 | 2n56 | 4n47 | 1s49 | 20n13 | 0n50 | 7s 2 | 0s14 | 6s52 | 1n 8 | 8s46 | 2n21 | 23n12 | 0n23 | 5s 4 | 1s19 | 2s43 | 16s15 | 9n59 | 9n43 | 1n 9 | 13s18 | 2n59 |
| S 2 | 15 44 | 15 8 | 1 54 | 4 16 | 2 0 | 19 58 | 0 52 | 7 17 | 0 15 | 6 56 | 1 8 | 8 48 | 2 21 | 23 12 | 0 23 | 5 5 | 1 19 | 2 43 | 16 16 | 10 0 | 9 45 | 1 11 | 13 19 | 2 59 |
| S 3 | 15 26 | 12 20 | 0 48 | 3 45 | 2 10 | 19 41 | 0 54 | 7 32 | 0 16 | 6 59 | 1 7 | 8 49 | 2 21 | 23 12 | 0 23 | 5 5 | 1 19 | 2 44 | 16 16 | 10 0 | 9 46 | 1 13 | 13 19 | 2 59 |
| M 4 | 15 8 | 9 2 | 0s19 | 3 16 | 2 21 | 19 24 | 0 55 | 7 48 | 0 17 | 7 3 | 1 7 | 8 51 | 2 20 | 23 12 | 0 23 | 5 6 | 1 19 | 2 44 | 16 16 | 10 0 | 9 47 | 1 15 | 13 20 | 2 59 |
| T 5 | 14 50 | 5 25 | 1 25 | 2 48 | 2 31 | 19 7 | 0 57 | 8 3 | 0 18 | 7 6 | 1 7 | 8 52 | 2 20 | 23 11 | 0 23 | 5 6 | 1 19 | 2 45 | 16 17 | 10 0 | 9 48 | 1 17 | 13 21 | 2 59 |
| W 6 | 14 32 | 1 37 | 2 26 | 2 22 | 2 41 | 18 49 | 0 59 | 8 18 | 0 18 | 7 10 | 1 7 | 8 54 | 2 20 | 23 11 | 0 23 | 5 7 | 1 19 | 2 45 | 16 17 | 10 0 | 9 49 | 1 19 | 13 22 | 2 59 |
| T 7 | 14 13 | 2n13 | 3 21 | 1 57 | 2 52 | 18 30 | 1 1 | 8 33 | 0 19 | 7 14 | 1 7 | 8 56 | 2 20 | 23 11 | 0 23 | 5 7 | 1 19 | 2 45 | 16 17 | 9 59 | 9 50 | 1 21 | 13 23 | 2 59 |
| F 8 | 13 54 | 5 57 | 4 7 | 1 33 | 3 1 | 18 11 | 1 2 | 8 49 | 0 20 | 7 18 | 1 6 | 8 57 | 2 20 | 23 10 | 0 23 | 5 8 | 1 19 | 2 46 | 16 18 | 9 59 | 9 52 | 1 23 | 13 24 | 2 59 |
| S 9 | 13 35 | 9 28 | 4 42 | 1 11 | 3 11 | 17 52 | 1 4 | 9 4 | 0 21 | 7 21 | 1 6 | 8 59 | 2 19 | 23 10 | 0 23 | 5 9 | 1 19 | 2 46 | 16 18 | 9 59 | 9 53 | 1 25 | 13 25 | 2 58 |
| S 10 | 13 16 | 12 38 | 5 6 | 0 52 | 3 20 | 17 32 | 1 5 | 9 19 | 0 22 | 7 25 | 1 6 | 9 1 | 2 19 | 23 10 | 0 23 | 5 9 | 1 19 | 2 46 | 16 18 | 9 58 | 9 54 | 1 27 | 13 26 | 2 58 |
| M11 | 12 56 | 15 19 | 5 17 | 0 34 | 3 30 | 17 11 | 1 7 | 9 34 | 0 22 | 7 29 | 1 6 | 9 2 | 2 19 | 23 9 | 0 23 | 5 10 | 1 19 | 2 47 | 16 18 | 9 58 | 9 55 | 1 29 | 13 27 | 2 58 |
| T 12 | 12 36 | 17 21 | 5 13 | 0 19 | 3 38 | 16 50 | 1 8 | 9 50 | 0 23 | 7 33 | 1 6 | 9 4 | 2 19 | 23 9 | 0 23 | 5 10 | 1 19 | 2 47 | 16 19 | 9 59 | 9 56 | 1 31 | 13 28 | 2 58 |
| W13 | 12 16 | 18 35 | 4 53 | 0 6 | 3 46 | 16 28 | 1 10 | 10 5 | 0 24 | 7 37 | 1 5 | 9 6 | 2 18 | 23 9 | 0 23 | 5 11 | 1 19 | 2 48 | 16 19 | 9 59 | 9 57 | 1 33 | 13 29 | 2 58 |
| T 14 | 11 56 | 18 51 | 4 18 | 0s 4 | 3 54 | 16 6 | 1 11 | 10 20 | 0 25 | 7 41 | 1 5 | 9 8 | 2 18 | 23 9 | 0 23 | 5 12 | 1 19 | 2 48 | 16 19 | 9 59 | 9 58 | 1 35 | 13 31 | 2 58 |
| F 15 | 11 36 | 18 3 | 3 27 | 0 11 | 4 0 | 15 44 | 1 12 | 10 35 | 0 25 | 7 45 | 1 5 | 9 10 | 2 18 | 23 8 | 0 23 | 5 12 | 1 19 | 2 48 | 16 20 | 9 59 | 10 0 | 1 36 | 13 32 | 2 58 |
| S 16 | 11 15 | 16 6 | 2 22 | 0 15 | 4 6 | 15 21 | 1 14 | 10 50 | 0 26 | 7 48 | 1 5 | 9 12 | 2 18 | 23 8 | 0 23 | 5 13 | 1 19 | 2 49 | 16 20 | 9 59 | 10 1 | 1 38 | 13 33 | 2 58 |
| S 17 | 10 55 | 13 6 | 1 6 | 0 16 | 4 11 | 14 57 | 1 15 | 11 5 | 0 27 | 7 52 | 1 5 | 9 13 | 2 18 | 23 8 | 0 23 | 5 14 | 1 19 | 2 49 | 16 20 | 9 59 | 10 2 | 1 40 | 13 34 | 2 58 |
| M18 | 10 34 | 9 13 | 0n15 | 0 13 | 4 15 | 14 34 | 1 16 | 11 20 | 0 28 | 7 56 | 1 4 | 9 15 | 2 17 | 23 8 | 0 23 | 5 14 | 1 19 | 2 50 | 16 20 | 10 0 | 10 3 | 1 42 | 13 35 | 2 58 |
| T 19 | 10 13 | 4 43 | 1 37 | 0 7 | 4 18 | 14 10 | 1 17 | 11 35 | 0 28 | 8 1 | 1 4 | 9 17 | 2 17 | 23 7 | 0 23 | 5 15 | 1 19 | 2 50 | 16 21 | 9 59 | 10 4 | 1 44 | 13 37 | 2 58 |
| W20 | 9 51 | 0s 5 | 2 51 | 0n 3 | 4 19 | 13 45 | 1 18 | 11 49 | 0 29 | 8 5 | 1 4 | 9 19 | 2 17 | 23 7 | 0 23 | 5 15 | 1 20 | 2 50 | 16 21 | 9 59 | 10 5 | 1 46 | 13 38 | 2 58 |
| T 21 | 9 30 | 4 51 | 3 54 | 0 17 | 4 19 | 13 20 | 1 19 | 12 4 | 0 30 | 8 9 | 1 4 | 9 21 | 2 17 | 23 7 | 0 23 | 5 16 | 1 20 | 2 51 | 16 21 | 10 0 | 10 7 | 1 48 | 13 39 | 2 58 |
| F 22 | 9 8 | 9 14 | 4 41 | 0 35 | 4 17 | 12 55 | 1 20 | 12 19 | 0 31 | 8 13 | 1 4 | 9 23 | 2 17 | 23 6 | 0 23 | 5 17 | 1 20 | 2 51 | 16 22 | 10 0 | 10 8 | 1 50 | 13 40 | 2 58 |
| S 23 | 8 47 | 13 0 | 5 9 | 0 56 | 4 13 | 12 29 | 1 21 | 12 34 | 0 31 | 8 17 | 1 4 | 9 25 | 2 16 | 23 6 | 0 23 | 5 17 | 1 20 | 2 52 | 16 22 | 10 0 | 10 9 | 1 52 | 13 42 | 2 58 |
| S 24 | 8 25 | 15 55 | 5 18 | 1 21 | 4 8 | 12 3 | 1 21 | 12 48 | 0 32 | 8 21 | 1 3 | 9 27 | 2 16 | 23 6 | 0 23 | 5 18 | 1 20 | 2 52 | 16 22 | 10 0 | 10 10 | 1 54 | 13 43 | 2 58 |
| M25 | 8 3 | 17 53 | 5 8 | 1 50 | 4 0 | 11 37 | 1 22 | 13 3 | 0 33 | 8 25 | 1 3 | 9 29 | 2 16 | 23 6 | 0 23 | 5 19 | 1 20 | 2 52 | 16 22 | 10 0 | 10 11 | 1 56 | 13 44 | 2 58 |
| T 26 | 7 41 | 18 48 | 4 42 | 2 21 | 3 51 | 11 10 | 1 23 | 13 17 | 0 33 | 8 30 | 1 3 | 9 31 | 2 16 | 23 5 | 0 23 | 5 19 | 1 20 | 2 53 | 16 23 | 10 0 | 10 12 | 1 58 | 13 46 | 2 58 |
| W27 | 7 19 | 18 42 | 4 2 | 2 55 | 3 39 | 10 43 | 1 23 | 13 32 | 0 34 | 8 34 | 1 3 | 9 33 | 2 16 | 23 5 | 0 23 | 5 20 | 1 20 | 2 53 | 16 23 | 9 59 | 10 14 | 2 0 | 13 47 | 2 58 |
| T 28 | 6 56 | 17 39 | 3 11 | 3 31 | 3 26 | 10 16 | 1 24 | 13 46 | 0 35 | 8 38 | 1 3 | 9 35 | 2 15 | 23 5 | 0 23 | 5 21 | 1 20 | 2 54 | 16 23 | 9 59 | 10 15 | 2 2 | 13 49 | 2 58 |
| F 29 | 6 34 | 15 44 | 2 12 | 4 9 | 3 11 | 9 48 | 1 24 | 14 0 | 0 35 | 8 42 | 1 3 | 9 37 | 2 15 | 23 5 | 0 23 | 5 21 | 1 20 | 2 54 | 16 23 | 9 59 | 10 16 | 2 4 | 13 50 | 2 58 |
| S 30 | 6 11 | 13 8 | 1 7 | 4 47 | 2 55 | 9 20 | 1 24 | 14 15 | 0 36 | 8 47 | 1 3 | 9 40 | 2 15 | 23 5 | 0 23 | 5 22 | 1 20 | 2 55 | 16 24 | 9 59 | 10 17 | 2 6 | 13 52 | 2 57 |
| S 31 | 5n49 | 9s59 | 0n 0 | 5n24 | 2s37 | 8n52 | 1n25 | 14s29 | 0s37 | 8s51 | 1n 2 | 9s42 | 2n15 | 23n 4 | 0n24 | 5s23 | 1s20 | 2s55 | 16s24 | 9n58 | 10n18 | 2n 8 | 13s53 | 2n57 |

Julian Day Number = 2219836.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'28, Lahiri = 15°00'28 Julian Calendar 1 Aug. 1365 == Greg. Calendar 9 Aug. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## SEPTEMBER 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 12 39 | 16♍17'01 | 16♓16 | 9°R12 | 11♍59 | 7♏42 | 25♎29 | 0♏56 | 14♋56 | 19°R30 | 2°R53 | 4°R16 | 3♍19 | 13♈ 8 | 16♏12 | M 1 |
| T 2 | 23 16 35 | 17°15'37 | 28°10 | 8♍27 | 13°14 | 8°23 | 25°41 | 1° 1 | 14°59 | 19♓29 | 2♉52 | 4♍15 | 3°16 | 13°15 | 16°18 | T 2 |
| W 3 | 23 20 32 | 18°14'16 | 10♈ 1 | 7°50 | 14°29 | 9° 5 | 25°52 | 1° 7 | 15° 1 | 19°27 | 2°51 | 4°14 | 3°13 | 13°22 | 16°23 | W 3 |
| T 4 | 23 24 28 | 19°12'57 | 21°51 | 7°21 | 15°43 | 9°46 | 26° 4 | 1°13 | 15° 3 | 19°25 | 2°51 | 4°12 | 3°10 | 13°28 | 16°28 | T 4 |
| F 5 | 23 28 25 | 20°11'40 | 3♉41 | 7° 1 | 16°58 | 10°27 | 26°16 | 1°19 | 15° 5 | 19°24 | 2°50 | 4° 9 | 3° 7 | 13°35 | 16°34 | F 5 |
| S 6 | 23 32 21 | 21°10'25 | 15°35 | 6°51 | 18°13 | 11° 9 | 26°27 | 1°25 | 15° 7 | 19°22 | 2°49 | 4° 7 | 3° 3 | 13°42 | 16°39 | S 6 |
| S 7 | 23 36 18 | 22° 9'13 | 27°36 | 6°D51 | 19°28 | 11°50 | 26°39 | 1°31 | 15° 9 | 19°20 | 2°48 | 4° 5 | 3° 0 | 13°48 | 16°45 | S 7 |
| M 8 | 23 40 14 | 23° 8'03 | 9♊49 | 7° 1 | 20°43 | 12°32 | 26°51 | 1°37 | 15°11 | 19°19 | 2°47 | 4° 3 | 2°57 | 13°55 | 16°50 | M 8 |
| T 9 | 23 44 11 | 24° 6'55 | 22°16 | 7°20 | 21°57 | 13°13 | 27° 3 | 1°43 | 15°12 | 19°17 | 2°47 | 4°D 2 | 2°54 | 14° 2 | 16°56 | T 9 |
| W10 | 23 48 8 | 25° 5'49 | 5♋ 3 | 7°50 | 23°12 | 13°55 | 27°15 | 1°49 | 15°14 | 19°15 | 2°46 | 4° 3 | 2°51 | 14° 8 | 17° 2 | W10 |
| T 11 | 23 52 4 | 26° 4'46 | 18°12 | 8°28 | 24°27 | 14°37 | 27°27 | 1°56 | 15°16 | 19°14 | 2°45 | 4° 4 | 2°47 | 14°15 | 17° 7 | T 11 |
| F 12 | 23 56 1 | 27° 3'45 | 1♌48 | 9°16 | 25°42 | 15°19 | 27°40 | 2° 2 | 15°18 | 19°12 | 2°44 | 4° 5 | 2°44 | 14°22 | 17°13 | F 12 |
| S 13 | 23 59 57 | 28° 2'47 | 15°50 | 10°11 | 26°57 | 16° 1 | 27°52 | 2° 8 | 15°19 | 19°10 | 2°43 | 4° 7 | 2°41 | 14°28 | 17°19 | S 13 |
| S 14 | 0 3 54 | 29° 1'50 | 0♍18 | 11°14 | 28°12 | 16°43 | 28° 4 | 2°14 | 15°21 | 19° 9 | 2°42 | 4°R 7 | 2°38 | 14°35 | 17°25 | S 14 |
| M15 | 0 7 50 | 0♎ 0'56 | 15° 9 | 12°23 | 29°27 | 17°25 | 28°16 | 2°21 | 15°22 | 19° 7 | 2°41 | 4° 7 | 2°35 | 14°42 | 17°31 | M15 |
| T 16 | 0 11 47 | 1° 0'04 | 0♎16 | 13°39 | 0♎42 | 18° 8 | 28°29 | 2°27 | 15°24 | 19° 6 | 2°40 | 4° 5 | 2°32 | 14°48 | 17°37 | T 16 |
| W17 | 0 15 43 | 1°59'14 | 15°30 | 14°59 | 1°57 | 18°50 | 28°41 | 2°34 | 15°25 | 19° 4 | 2°39 | 4° 3 | 2°28 | 14°55 | 17°44 | W17 |
| T 18 | 0 19 40 | 2°58'26 | 0♏40 | 16°24 | 3°12 | 19°32 | 28°54 | 2°40 | 15°27 | 19° 2 | 2°39 | 3°59 | 2°25 | 15° 2 | 17°50 | T 18 |
| F 19 | 0 23 37 | 3°57'40 | 15°37 | 17°54 | 4°27 | 20°15 | 29° 6 | 2°47 | 15°28 | 19° 1 | 2°38 | 3°54 | 2°22 | 15° 8 | 17°56 | F 19 |
| S 20 | 0 27 33 | 4°56'56 | 0♐13 | 19°26 | 5°42 | 20°57 | 29°19 | 2°53 | 15°29 | 18°59 | 2°37 | 3°50 | 2°19 | 15°15 | 18° 2 | S 20 |
| S 21 | 0 31 30 | 5°56'14 | 14°24 | 21° 1 | 6°57 | 21°40 | 29°31 | 3° 0 | 15°30 | 18°58 | 2°36 | 3°47 | 2°16 | 15°22 | 18° 9 | S 21 |
| M22 | 0 35 26 | 6°55'34 | 28° 8 | 22°39 | 8°12 | 22°23 | 29°44 | 3° 7 | 15°32 | 18°56 | 2°35 | 3°46 | 2°13 | 15°28 | 18°15 | M22 |
| T 23 | 0 39 23 | 7°54'55 | 11♑25 | 24°18 | 9°27 | 23° 6 | 29°56 | 3°13 | 15°33 | 18°54 | 2°34 | 3°D45 | 2° 9 | 15°35 | 18°22 | T 23 |
| W24 | 0 43 19 | 8°54'18 | 24°19 | 25°59 | 10°42 | 23°49 | 0♏ 9 | 3°20 | 15°34 | 18°53 | 2°33 | 3°46 | 2° 6 | 15°42 | 18°28 | W24 |
| T 25 | 0 47 16 | 9°53'43 | 6♒53 | 27°41 | 11°57 | 24°32 | 0°22 | 3°27 | 15°35 | 18°51 | 2°32 | 3°48 | 2° 3 | 15°49 | 18°35 | T 25 |
| F 26 | 0 51 12 | 10°53'10 | 19°11 | 29°23 | 13°12 | 25°15 | 0°35 | 3°33 | 15°36 | 18°50 | 2°31 | 3°50 | 2° 0 | 15°55 | 18°41 | F 26 |
| S 27 | 0 55 9 | 11°52'38 | 1♓17 | 1♎ 7 | 14°27 | 25°58 | 0°47 | 3°40 | 15°37 | 18°48 | 2°29 | 3°R50 | 1°57 | 16° 2 | 18°48 | S 27 |
| S 28 | 0 59 6 | 12°52'09 | 13°15 | 2°50 | 15°42 | 26°41 | 1° 0 | 3°47 | 15°38 | 18°47 | 2°28 | 3°50 | 1°53 | 16° 9 | 18°55 | S 28 |
| M29 | 1 3 2 | 13°51'41 | 25° 8 | 4°34 | 16°57 | 27°25 | 1°13 | 3°54 | 15°38 | 18°45 | 2°27 | 3°48 | 1°50 | 16°15 | 19° 2 | M29 |
| T 30 | 1 6 59 | 14♎51'15 | 6♈58 | 6♎17 | 18♎13 | 28♏ 8 | 1♏26 | 4♏ 1 | 15♋39 | 18♓44 | 2♉26 | 3♍43 | 1♍47 | 16♈22 | 19♏ 8 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n26 | 6s27 | 1s 6 | 6n 1 | 2s18 | 8n24 | 1n25 | 14s43 | 0s37 | 8s55 | 1n 2 | 9s44 | 2n15 | 23n 4 | 0n24 | 5s23 | 1s20 | 2s56 | 16s24 | 9n59 | 10n19 | 2n10 | 13s54 | 2n57 |
| T 2 | 5 3 | 2 42 | 2 9 | 6 36 | 1 59 | 7 55 | 1 25 | 14 57 | 0 38 | 9 0 | 1 2 | 9 46 | 2 15 | 23 4 | 0 24 | 5 24 | 1 20 | 2 56 | 16 24 | 9 59 | 10 20 | 2 12 | 13 56 | 2 57 |
| W 3 | 4 40 | 1n 9 | 3 5 | 7 8 | 1 39 | 7 26 | 1 25 | 15 11 | 0 39 | 9 4 | 1 2 | 9 48 | 2 14 | 23 4 | 0 24 | 5 25 | 1 20 | 2 56 | 16 24 | 10 0 | 10 22 | 2 14 | 13 57 | 2 57 |
| T 4 | 4 17 | 4 55 | 3 54 | 7 37 | 1 19 | 6 57 | 1 25 | 15 24 | 0 39 | 9 8 | 1 2 | 9 50 | 2 14 | 23 4 | 0 24 | 5 25 | 1 20 | 2 57 | 16 25 | 10 0 | 10 23 | 2 16 | 13 59 | 2 57 |
| F 5 | 3 54 | 8 31 | 4 32 | 8 3 | 0 59 | 6 28 | 1 25 | 15 38 | 0 40 | 9 13 | 1 2 | 9 52 | 2 14 | 23 3 | 0 24 | 5 26 | 1 20 | 2 57 | 16 25 | 10 1 | 10 24 | 2 18 | 14 1 | 2 57 |
| S 6 | 3 31 | 11 47 | 4 59 | 8 24 | 0 40 | 5 59 | 1 25 | 15 52 | 0 40 | 9 17 | 1 2 | 9 55 | 2 14 | 23 3 | 0 24 | 5 27 | 1 20 | 2 58 | 16 25 | 10 2 | 10 25 | 2 20 | 14 2 | 2 57 |
| S 7 | 3 7 | 14 36 | 5 14 | 8 42 | 0 21 | 5 29 | 1 25 | 16 5 | 0 41 | 9 22 | 1 1 | 9 57 | 2 14 | 23 3 | 0 24 | 5 27 | 1 20 | 2 58 | 16 25 | 10 3 | 10 26 | 2 22 | 14 4 | 2 57 |
| M 8 | 2 44 | 16 49 | 5 14 | 8 55 | 0 4 | 4 59 | 1 25 | 16 19 | 0 42 | 9 26 | 1 1 | 9 59 | 2 14 | 23 3 | 0 24 | 5 28 | 1 20 | 2 59 | 16 26 | 10 3 | 10 27 | 2 24 | 14 5 | 2 57 |
| T 9 | 2 21 | 18 18 | 5 0 | 9 3 | 0n13 | 4 29 | 1 24 | 16 32 | 0 42 | 9 30 | 1 1 | 10 1 | 2 14 | 23 3 | 0 24 | 5 29 | 1 20 | 2 59 | 16 26 | 10 4 | 10 28 | 2 26 | 14 7 | 2 57 |
| W10 | 1 57 | 18 55 | 4 31 | 9 6 | 0 29 | 3 59 | 1 24 | 16 45 | 0 43 | 9 35 | 1 1 | 10 4 | 2 13 | 23 2 | 0 24 | 5 29 | 1 20 | 3 0 | 16 26 | 10 4 | 10 30 | 2 28 | 14 8 | 2 57 |
| T 11 | 1 34 | 18 32 | 3 47 | 9 5 | 0 43 | 3 29 | 1 23 | 16 58 | 0 44 | 9 39 | 1 1 | 10 6 | 2 13 | 23 2 | 0 24 | 5 30 | 1 20 | 3 0 | 16 26 | 10 3 | 10 31 | 2 30 | 14 10 | 2 57 |
| F 12 | 1 10 | 17 5 | 2 49 | 8 59 | 0 56 | 2 59 | 1 23 | 17 11 | 0 44 | 9 44 | 1 1 | 10 8 | 2 13 | 23 2 | 0 24 | 5 31 | 1 20 | 3 1 | 16 26 | 10 3 | 10 32 | 2 32 | 14 12 | 2 57 |
| S 13 | 0 47 | 14 34 | 1 39 | 8 49 | 1 7 | 2 29 | 1 22 | 17 24 | 0 45 | 9 48 | 1 1 | 10 10 | 2 13 | 23 2 | 0 24 | 5 31 | 1 20 | 3 1 | 16 26 | 10 2 | 10 33 | 2 33 | 14 13 | 2 57 |
| S 14 | 0 23 | 11 4 | 0 21 | 8 35 | 1 18 | 1 58 | 1 22 | 17 37 | 0 45 | 9 53 | 1 1 | 10 13 | 2 13 | 23 2 | 0 24 | 5 32 | 1 20 | 3 2 | 16 27 | 10 2 | 10 34 | 2 35 | 14 15 | 2 57 |
| M15 | 0s 0 | 6 48 | 1n 0 | 8 16 | 1 27 | 1 28 | 1 21 | 17 49 | 0 46 | 9 57 | 1 0 | 10 15 | 2 13 | 23 2 | 0 24 | 5 33 | 1 20 | 3 2 | 16 27 | 10 2 | 10 35 | 2 37 | 14 17 | 2 57 |
| T 16 | 0 24 | 2 1 | 2 19 | 7 54 | 1 34 | 0 57 | 1 20 | 18 2 | 0 46 | 10 2 | 1 0 | 10 17 | 2 13 | 23 1 | 0 24 | 5 33 | 1 20 | 3 2 | 16 27 | 10 3 | 10 37 | 2 39 | 14 18 | 2 57 |
| W17 | 0 48 | 2s55 | 3 28 | 7 29 | 1 41 | 0 26 | 1 20 | 18 14 | 0 47 | 10 6 | 1 0 | 10 20 | 2 12 | 23 1 | 0 24 | 5 34 | 1 20 | 3 3 | 16 27 | 10 4 | 10 38 | 2 41 | 14 20 | 2 57 |
| T 18 | 1 11 | 7 39 | 4 22 | 7 1 | 1 46 | 0s 4 | 1 19 | 18 26 | 0 47 | 10 11 | 1 0 | 10 22 | 2 12 | 23 1 | 0 24 | 5 34 | 1 20 | 3 3 | 16 27 | 10 5 | 10 39 | 2 43 | 14 22 | 2 57 |
| F 19 | 1 35 | 11 49 | 4 57 | 6 30 | 1 50 | 0 35 | 1 18 | 18 38 | 0 48 | 10 15 | 1 0 | 10 24 | 2 12 | 23 1 | 0 24 | 5 35 | 1 20 | 3 4 | 16 27 | 10 7 | 10 40 | 2 45 | 14 23 | 2 57 |
| S 20 | 1 58 | 15 10 | 5 12 | 5 56 | 1 53 | 1 6 | 1 17 | 18 50 | 0 49 | 10 20 | 1 0 | 10 27 | 2 12 | 23 1 | 0 24 | 5 36 | 1 20 | 3 4 | 16 28 | 10 8 | 10 41 | 2 47 | 14 25 | 2 57 |
| S 21 | 2 22 | 17 31 | 5 8 | 5 20 | 1 56 | 1 37 | 1 16 | 19 2 | 0 49 | 10 24 | 1 0 | 10 29 | 2 12 | 23 1 | 0 24 | 5 36 | 1 20 | 3 5 | 16 28 | 10 9 | 10 42 | 2 49 | 14 27 | 2 58 |
| M22 | 2 45 | 18 45 | 4 45 | 4 43 | 1 57 | 2 7 | 1 15 | 19 14 | 0 50 | 10 29 | 1 0 | 10 31 | 2 12 | 23 1 | 0 24 | 5 37 | 1 20 | 3 5 | 16 28 | 10 10 | 10 43 | 2 51 | 14 29 | 2 58 |
| T 23 | 3 9 | 18 54 | 4 8 | 4 4 | 1 57 | 2 38 | 1 13 | 19 25 | 0 50 | 10 34 | 1 0 | 10 34 | 2 12 | 23 1 | 0 24 | 5 38 | 1 20 | 3 6 | 16 28 | 10 10 | 10 45 | 2 53 | 14 30 | 2 58 |
| W24 | 3 32 | 18 3 | 3 19 | 3 23 | 1 57 | 3 9 | 1 12 | 19 36 | 0 51 | 10 38 | 0 59 | 10 36 | 2 12 | 23 1 | 0 24 | 5 38 | 1 20 | 3 6 | 16 28 | 10 9 | 10 46 | 2 55 | 14 32 | 2 58 |
| T 25 | 3 56 | 16 20 | 2 22 | 2 41 | 1 55 | 3 39 | 1 11 | 19 48 | 0 51 | 10 43 | 0 59 | 10 39 | 2 12 | 23 0 | 0 24 | 5 39 | 1 20 | 3 6 | 16 28 | 10 9 | 10 47 | 2 57 | 14 34 | 2 58 |
| F 26 | 4 19 | 13 52 | 1 19 | 1 59 | 1 54 | 4 10 | 1 10 | 19 59 | 0 52 | 10 47 | 0 59 | 10 41 | 2 11 | 23 0 | 0 24 | 5 39 | 1 20 | 3 7 | 16 28 | 10 8 | 10 48 | 2 59 | 14 36 | 2 58 |
| S 27 | 4 43 | 10 50 | 0 14 | 1 15 | 1 51 | 4 40 | 1 8 | 20 9 | 0 52 | 10 52 | 0 59 | 10 43 | 2 11 | 23 0 | 0 24 | 5 40 | 1 20 | 3 7 | 16 28 | 10 8 | 10 49 | 3 1 | 14 37 | 2 58 |
| S 28 | 5 6 | 7 23 | 0s51 | 0 31 | 1 48 | 5 10 | 1 7 | 20 20 | 0 53 | 10 56 | 0 59 | 10 46 | 2 11 | 23 0 | 0 24 | 5 40 | 1 20 | 3 8 | 16 29 | 10 8 | 10 50 | 3 3 | 14 39 | 2 58 |
| M29 | 5 29 | 3 40 | 1 53 | 0s13 | 1 45 | 5 41 | 1 5 | 20 31 | 0 53 | 11 1 | 0 59 | 10 48 | 2 11 | 23 0 | 0 24 | 5 41 | 1 20 | 3 8 | 16 29 | 10 9 | 10 51 | 3 5 | 14 41 | 2 58 |
| T 30 | 5s52 | 0n10 | 2s50 | 0s58 | 1n41 | 6s11 | 1n 4 | 20s41 | 0s54 | 11s 5 | 0n59 | 10s51 | 2n11 | 23n 0 | 0n24 | 5s42 | 1s20 | 3s 9 | 16s29 | 10n11 | 10n53 | 3n 7 | 14s43 | 2n58 |

Julian Day Number = 2219867.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'32, Lahiri = 15°00'32 Julian Calendar 1 Sept. 1365 == Greg. Calendar 9 Sept. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## OCTOBER 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 10 55 | 15♎50'52 | 18♈48 | 8♎ 1 | 19♎28 | 28♏51 | 1♏39 | 4♏ 8 | 15♋40 | 18°R42 | 2°R25 | 3°R37 | 1♍44 | 16♈29 | 19♏15 | W 1 |
| T 2 | 1 14 52 | 16°50'30 | 0♉39 | 9°44 | 20°43 | 29°35 | 1°52 | 4°15 | 15°41 | 18♓41 | 2♉24 | 3♍29 | 1°41 | 16°35 | 19°22 | T 2 |
| F 3 | 1 18 48 | 17°50'11 | 12°33 | 11°27 | 21°58 | 0♐19 | 2° 5 | 4°21 | 15°41 | 18°40 | 2°23 | 3°21 | 1°38 | 16°42 | 19°29 | F 3 |
| S 4 | 1 22 45 | 18°49'53 | 24°32 | 13°10 | 23°13 | 1° 2 | 2°18 | 4°28 | 15°42 | 18°38 | 2°22 | 3°12 | 1°34 | 16°49 | 19°36 | S 4 |
| S 5 | 1 26 41 | 19°49'38 | 6♊38 | 14°52 | 24°28 | 1°46 | 2°31 | 4°35 | 15°42 | 18°37 | 2°21 | 3° 4 | 1°31 | 16°55 | 19°43 | S 5 |
| M 6 | 1 30 38 | 20°49'25 | 18°54 | 16°34 | 25°43 | 2°30 | 2°44 | 4°42 | 15°43 | 18°35 | 2°20 | 2°58 | 1°28 | 17° 2 | 19°50 | M 6 |
| T 7 | 1 34 34 | 21°49'14 | 1♋21 | 18°16 | 26°58 | 3°14 | 2°57 | 4°49 | 15°43 | 18°34 | 2°19 | 2°53 | 1°25 | 17° 9 | 19°57 | T 7 |
| W 8 | 1 38 31 | 22°49'06 | 14° 5 | 19°56 | 28°14 | 3°58 | 3°10 | 4°56 | 15°43 | 18°33 | 2°18 | 2°51 | 1°22 | 17°15 | 20° 4 | W 8 |
| T 9 | 1 42 28 | 23°49'00 | 27° 7 | 21°37 | 29°29 | 4°42 | 3°23 | 5° 4 | 15°44 | 18°32 | 2°16 | 2°D51 | 1°19 | 17°22 | 20°11 | T 9 |
| F 10 | 1 46 24 | 24°48'56 | 10♌32 | 23°17 | 0♏44 | 5°26 | 3°36 | 5°11 | 15°44 | 18°30 | 2°15 | 2°52 | 1°15 | 17°29 | 20°18 | F 10 |
| S 11 | 1 50 21 | 25°48'54 | 24°22 | 24°56 | 1°59 | 6°10 | 3°49 | 5°18 | 15°44 | 18°29 | 2°14 | 2°53 | 1°12 | 17°35 | 20°26 | S 11 |
| S 12 | 1 54 17 | 26°48'55 | 8♍39 | 26°35 | 3°14 | 6°54 | 4° 3 | 5°25 | 15°44 | 18°28 | 2°13 | 2°R53 | 1° 9 | 17°42 | 20°33 | S 12 |
| M13 | 1 58 14 | 27°48'57 | 23°20 | 28°13 | 4°29 | 7°39 | 4°16 | 5°32 | 15°44 | 18°27 | 2°12 | 2°51 | 1° 6 | 17°49 | 20°40 | M13 |
| T 14 | 2 2 10 | 28°49'02 | 8♎22 | 29°51 | 5°45 | 8°23 | 4°29 | 5°39 | 15°R44 | 18°25 | 2°11 | 2°47 | 1° 3 | 17°56 | 20°47 | T 14 |
| W15 | 2 6 7 | 29°49'09 | 23°36 | 1♏29 | 7° 0 | 9° 7 | 4°42 | 5°46 | 15°44 | 18°24 | 2°10 | 2°40 | 0°59 | 18° 2 | 20°55 | W15 |
| T 16 | 2 10 3 | 0♏49'17 | 8♏53 | 3° 6 | 8°15 | 9°52 | 4°55 | 5°53 | 15°44 | 18°23 | 2° 9 | 2°32 | 0°56 | 18° 9 | 21° 2 | T 16 |
| F 17 | 2 14 0 | 1°49'28 | 24° 1 | 4°42 | 9°30 | 10°37 | 5° 9 | 6° 0 | 15°44 | 18°22 | 2° 7 | 2°22 | 0°53 | 18°16 | 21° 9 | F 17 |
| S 18 | 2 17 57 | 2°49'40 | 8♐50 | 6°18 | 10°45 | 11°21 | 5°22 | 6° 7 | 15°44 | 18°21 | 2° 6 | 2°13 | 0°50 | 18°22 | 21°17 | S 18 |
| S 19 | 2 21 53 | 3°49'54 | 23°12 | 7°54 | 12° 1 | 12° 6 | 5°35 | 6°15 | 15°44 | 18°20 | 2° 5 | 2° 5 | 0°47 | 18°29 | 21°24 | S 19 |
| M20 | 2 25 50 | 4°50'10 | 7♑ 6 | 9°29 | 13°16 | 12°51 | 5°48 | 6°22 | 15°43 | 18°19 | 2° 4 | 2° 0 | 0°44 | 18°36 | 21°32 | M20 |
| T 21 | 2 29 46 | 5°50'27 | 20°29 | 11° 4 | 14°31 | 13°36 | 6° 2 | 6°29 | 15°43 | 18°18 | 2° 3 | 1°57 | 0°40 | 18°42 | 21°39 | T 21 |
| W22 | 2 33 43 | 6°50'45 | 3♒25 | 12°39 | 15°46 | 14°21 | 6°15 | 6°36 | 15°42 | 18°17 | 2° 2 | 1°D55 | 0°37 | 18°49 | 21°47 | W22 |
| T 23 | 2 37 39 | 7°51'05 | 15°58 | 14°13 | 17° 1 | 15° 5 | 6°28 | 6°43 | 15°42 | 18°16 | 2° 1 | 1°56 | 0°34 | 18°56 | 21°54 | T 23 |
| F 24 | 2 41 36 | 8°51'27 | 28°12 | 15°47 | 18°17 | 15°51 | 6°41 | 6°50 | 15°41 | 18°15 | 2° 0 | 1°R56 | 0°31 | 19° 2 | 22° 2 | F 24 |
| S 25 | 2 45 32 | 9°51'49 | 10♓13 | 17°20 | 19°32 | 16°36 | 6°55 | 6°58 | 15°41 | 18°14 | 1°58 | 1°56 | 0°28 | 19° 9 | 22° 9 | S 25 |
| S 26 | 2 49 29 | 10°52'14 | 22° 6 | 18°53 | 20°47 | 17°21 | 7° 8 | 7° 5 | 15°40 | 18°13 | 1°57 | 1°54 | 0°24 | 19°16 | 22°17 | S 26 |
| M27 | 2 53 26 | 11°52'39 | 3♈55 | 20°26 | 22° 2 | 18° 6 | 7°21 | 7°12 | 15°39 | 18°12 | 1°56 | 1°49 | 0°21 | 19°22 | 22°24 | M27 |
| T 28 | 2 57 22 | 12°53'06 | 15°44 | 21°59 | 23°17 | 18°51 | 7°34 | 7°19 | 15°39 | 18°12 | 1°55 | 1°42 | 0°18 | 19°29 | 22°32 | T 28 |
| W29 | 3 1 19 | 13°53'35 | 27°35 | 23°31 | 24°33 | 19°37 | 7°47 | 7°26 | 15°38 | 18°11 | 1°54 | 1°31 | 0°15 | 19°36 | 22°39 | W29 |
| T 30 | 3 5 15 | 14°54'05 | 9♉31 | 25° 3 | 25°48 | 20°22 | 8° 1 | 7°33 | 15°37 | 18°10 | 1°53 | 1°19 | 0°12 | 19°43 | 22°47 | T 30 |
| F 31 | 3 9 12 | 15♏54'37 | 21♉33 | 26♏35 | 27♏ 3 | 21♐ 7 | 8♏14 | 7♏40 | 15♋36 | 18♓ 9 | 1♉52 | 1♍ 5 | 0♍ 9 | 19♈49 | 22♏54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s15 | 4n 0 | 3s39 | 1s43 | 1n36 | 6s41 | 1n 2 | 20s51 | 0s54 | 11s10 | 0n59 | 10s53 | 2n11 | 23n 0 | 0n24 | 5s42 | 1s20 | 3s 9 | 16s29 | 10n13 | 10n54 | 3n 9 | 14s45 | 2n58 |
| T 2 | 6 38 | 7 41 | 4 19 | 2 28 | 1 32 | 7 11 | 1 1 | 21 1 | 0 55 | 11 15 | 0 59 | 10 55 | 2 11 | 23 0 | 0 24 | 5 43 | 1 20 | 3 9 | 16 29 | 10 16 | 10 55 | 3 11 | 14 46 | 2 58 |
| F 3 | 7 1 | 11 5 | 4 48 | 3 13 | 1 27 | 7 40 | 0 59 | 21 11 | 0 55 | 11 19 | 0 59 | 10 58 | 2 11 | 23 0 | 0 24 | 5 43 | 1 20 | 3 10 | 16 29 | 10 19 | 10 56 | 3 13 | 14 48 | 2 58 |
| S 4 | 7 24 | 14 3 | 5 4 | 3 58 | 1 22 | 8 10 | 0 57 | 21 20 | 0 55 | 11 24 | 0 59 | 11 0 | 2 11 | 23 0 | 0 24 | 5 44 | 1 20 | 3 10 | 16 29 | 10 22 | 10 57 | 3 15 | 14 50 | 2 58 |
| S 5 | 7 47 | 16 27 | 5 7 | 4 43 | 1 16 | 8 39 | 0 55 | 21 30 | 0 56 | 11 28 | 0 59 | 11 3 | 2 11 | 23 0 | 0 25 | 5 44 | 1 20 | 3 11 | 16 29 | 10 25 | 10 58 | 3 17 | 14 52 | 2 58 |
| M 6 | 8 9 | 18 8 | 4 56 | 5 27 | 1 10 | 9 8 | 0 54 | 21 39 | 0 56 | 11 33 | 0 58 | 11 5 | 2 11 | 23 0 | 0 25 | 5 45 | 1 20 | 3 11 | 16 29 | 10 27 | 10 59 | 3 19 | 14 53 | 2 58 |
| T 7 | 8 32 | 19 0 | 4 31 | 6 11 | 1 4 | 9 37 | 0 52 | 21 48 | 0 57 | 11 37 | 0 58 | 11 7 | 2 11 | 23 0 | 0 25 | 5 45 | 1 20 | 3 12 | 16 29 | 10 29 | 11 0 | 3 21 | 14 55 | 2 58 |
| W 8 | 8 54 | 18 56 | 3 52 | 6 55 | 0 58 | 10 6 | 0 50 | 21 57 | 0 57 | 11 42 | 0 58 | 11 10 | 2 10 | 23 0 | 0 25 | 5 46 | 1 20 | 3 12 | 16 29 | 10 29 | 11 2 | 3 23 | 14 57 | 2 59 |
| T 9 | 9 16 | 17 51 | 3 0 | 7 39 | 0 52 | 10 35 | 0 48 | 22 5 | 0 58 | 11 46 | 0 58 | 11 12 | 2 10 | 23 0 | 0 25 | 5 46 | 1 20 | 3 12 | 16 29 | 10 30 | 11 3 | 3 25 | 14 59 | 2 59 |
| F 10 | 9 39 | 15 46 | 1 57 | 8 22 | 0 46 | 11 3 | 0 46 | 22 14 | 0 58 | 11 51 | 0 58 | 11 15 | 2 10 | 23 0 | 0 25 | 5 47 | 1 19 | 3 13 | 16 29 | 10 29 | 11 4 | 3 27 | 15 1 | 2 59 |
| S 11 | 10 0 | 12 44 | 0 46 | 9 4 | 0 39 | 11 31 | 0 44 | 22 22 | 0 58 | 11 55 | 0 58 | 11 17 | 2 10 | 23 0 | 0 25 | 5 47 | 1 19 | 3 13 | 16 29 | 10 29 | 11 5 | 3 29 | 15 2 | 2 59 |
| S 12 | 10 22 | 8 50 | 0n31 | 9 47 | 0 33 | 11 59 | 0 42 | 22 30 | 0 59 | 12 0 | 0 58 | 11 19 | 2 10 | 23 0 | 0 25 | 5 48 | 1 19 | 3 13 | 16 29 | 10 29 | 11 6 | 3 31 | 15 4 | 2 59 |
| M13 | 10 44 | 4 18 | 1 48 | 10 28 | 0 26 | 12 26 | 0 40 | 22 38 | 0 59 | 12 4 | 0 58 | 11 22 | 2 10 | 23 0 | 0 25 | 5 48 | 1 19 | 3 14 | 16 29 | 10 30 | 11 7 | 3 33 | 15 6 | 2 59 |
| T 14 | 11 5 | 0s36 | 2 58 | 11 9 | 0 20 | 12 53 | 0 38 | 22 45 | 1 0 | 12 9 | 0 58 | 11 24 | 2 10 | 23 0 | 0 25 | 5 49 | 1 19 | 3 14 | 16 29 | 10 31 | 11 8 | 3 35 | 15 8 | 2 59 |
| W15 | 11 27 | 5 31 | 3 57 | 11 49 | 0 13 | 13 20 | 0 35 | 22 53 | 1 0 | 12 13 | 0 58 | 11 27 | 2 10 | 23 0 | 0 25 | 5 49 | 1 19 | 3 15 | 16 29 | 10 33 | 11 10 | 3 37 | 15 10 | 2 59 |
| T 16 | 11 48 | 10 6 | 4 39 | 12 29 | 0 6 | 13 47 | 0 33 | 23 0 | 1 0 | 12 18 | 0 58 | 11 29 | 2 10 | 23 0 | 0 25 | 5 49 | 1 19 | 3 15 | 16 29 | 10 36 | 11 11 | 3 39 | 15 11 | 2 59 |
| F 17 | 12 9 | 13 58 | 5 1 | 13 8 | 0s 0 | 14 13 | 0 31 | 23 7 | 1 1 | 12 22 | 0 58 | 11 31 | 2 10 | 23 0 | 0 25 | 5 50 | 1 19 | 3 15 | 16 29 | 10 40 | 11 12 | 3 41 | 15 13 | 2 59 |
| S 18 | 12 30 | 16 52 | 5 3 | 13 47 | 0 7 | 14 39 | 0 29 | 23 13 | 1 1 | 12 27 | 0 58 | 11 34 | 2 10 | 23 0 | 0 25 | 5 50 | 1 19 | 3 16 | 16 29 | 10 43 | 11 13 | 3 43 | 15 15 | 3 0 |
| S 19 | 12 50 | 18 37 | 4 44 | 14 24 | 0 14 | 15 4 | 0 27 | 23 20 | 1 1 | 12 31 | 0 58 | 11 36 | 2 10 | 23 0 | 0 25 | 5 51 | 1 19 | 3 16 | 16 29 | 10 46 | 11 14 | 3 45 | 15 17 | 3 0 |
| M20 | 13 11 | 19 10 | 4 10 | 15 1 | 0 20 | 15 29 | 0 24 | 23 26 | 1 2 | 12 36 | 0 58 | 11 38 | 2 10 | 23 0 | 0 25 | 5 51 | 1 19 | 3 16 | 16 29 | 10 48 | 11 15 | 3 47 | 15 19 | 3 0 |
| T 21 | 13 31 | 18 37 | 3 22 | 15 38 | 0 27 | 15 54 | 0 22 | 23 32 | 1 2 | 12 40 | 0 58 | 11 41 | 2 10 | 23 0 | 0 25 | 5 51 | 1 19 | 3 17 | 16 29 | 10 49 | 11 16 | 3 49 | 15 20 | 3 0 |
| W22 | 13 51 | 17 5 | 2 26 | 16 13 | 0 34 | 16 18 | 0 20 | 23 38 | 1 2 | 12 45 | 0 58 | 11 43 | 2 10 | 23 0 | 0 25 | 5 52 | 1 19 | 3 17 | 16 29 | 10 50 | 11 17 | 3 51 | 15 22 | 3 0 |
| T 23 | 14 10 | 14 46 | 1 24 | 16 48 | 0 40 | 16 42 | 0 17 | 23 43 | 1 3 | 12 49 | 0 57 | 11 46 | 2 10 | 23 0 | 0 25 | 5 52 | 1 19 | 3 17 | 16 29 | 10 49 | 11 19 | 3 53 | 15 24 | 3 0 |
| F 24 | 14 30 | 11 50 | 0 20 | 17 21 | 0 46 | 17 5 | 0 15 | 23 48 | 1 3 | 12 53 | 0 57 | 11 48 | 2 10 | 23 1 | 0 25 | 5 52 | 1 19 | 3 18 | 16 29 | 10 49 | 11 20 | 3 55 | 15 26 | 3 0 |
| S 25 | 14 49 | 8 26 | 0s44 | 17 54 | 0 53 | 17 28 | 0 13 | 23 53 | 1 3 | 12 58 | 0 57 | 11 50 | 2 10 | 23 1 | 0 25 | 5 53 | 1 19 | 3 18 | 16 29 | 10 49 | 11 21 | 3 57 | 15 27 | 3 1 |
| S 26 | 15 8 | 4 45 | 1 45 | 18 27 | 0 59 | 17 51 | 0 10 | 23 58 | 1 4 | 13 2 | 0 57 | 11 53 | 2 10 | 23 1 | 0 25 | 5 53 | 1 19 | 3 18 | 16 29 | 10 50 | 11 22 | 3 58 | 15 29 | 3 1 |
| M27 | 15 27 | 0 54 | 2 41 | 18 58 | 1 5 | 18 13 | 0 8 | 24 3 | 1 4 | 13 6 | 0 57 | 11 55 | 2 10 | 23 1 | 0 25 | 5 53 | 1 19 | 3 18 | 16 29 | 10 52 | 11 23 | 4 0 | 15 31 | 3 1 |
| T 28 | 15 45 | 2n59 | 3 30 | 19 28 | 1 11 | 18 34 | 0 5 | 24 7 | 1 4 | 13 11 | 0 57 | 11 57 | 2 10 | 23 1 | 0 25 | 5 54 | 1 19 | 3 19 | 16 29 | 10 54 | 11 24 | 4 2 | 15 33 | 3 1 |
| W29 | 16 4 | 6 45 | 4 10 | 19 57 | 1 17 | 18 55 | 0 3 | 24 11 | 1 4 | 13 15 | 0 57 | 11 59 | 2 10 | 23 1 | 0 25 | 5 54 | 1 19 | 3 19 | 16 29 | 10 58 | 11 25 | 4 4 | 15 34 | 3 1 |
| T 30 | 16 22 | 10 17 | 4 39 | 20 26 | 1 23 | 19 16 | 0 0 | 24 15 | 1 5 | 13 19 | 0 57 | 12 2 | 2 10 | 23 1 | 0 25 | 5 54 | 1 19 | 3 19 | 16 29 | 11 3 | 11 26 | 4 6 | 15 36 | 3 1 |
| F 31 | 16s39 | 13n26 | 4s56 | 20s53 | 1s28 | 19s36 | 0s 2 | 24s18 | 1s 5 | 13s24 | 0n57 | 12s 4 | 2n10 | 23n 1 | 0n25 | 5s55 | 1s19 | 3s20 | 16s28 | 11n 8 | 11n28 | 4n 8 | 15s38 | 3n 2 |

Julian Day Number = 2219897.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'36, Lahiri = 15°00'37 Julian Calendar 1 Oct. 1365 == Greg. Calendar 9 Oct. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## NOVEMBER 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 13 8 | 16♏55'11 | 3♊42 | 28♏ 7 | 28♏18 | 21♐53 | 8♏27 | 7♏47 | 15°R35 | 18°R 9 | 1°R51 | 0°R51 | 0♍ 5 | 19♈56 | 23♏ 2 | S 1 |
| S 2 | 3 17 5 | 17°55'46 | 15°59 | 29°38 | 29°33 | 22°38 | 8°40 | 7°54 | 15♋34 | 18♓ 8 | 1♉50 | 0♍38 | 0° 2 | 20° 3 | 23°10 | S 2 |
| M 3 | 3 21 1 | 18°56'22 | 28°25 | 1♐ 9 | 0♐49 | 23°24 | 8°53 | 8° 2 | 15°33 | 18° 7 | 1°49 | 0°27 | 29♌59 | 20° 9 | 23°17 | M 3 |
| T 4 | 3 24 58 | 19°57'01 | 11♋ 1 | 2°40 | 2° 4 | 24°10 | 9° 7 | 8° 9 | 15°32 | 18° 7 | 1°47 | 0°19 | 29°56 | 20°16 | 23°25 | T 4 |
| W 5 | 3 28 55 | 20°57'41 | 23°49 | 4°10 | 3°19 | 24°55 | 9°20 | 8°16 | 15°31 | 18° 6 | 1°46 | 0°14 | 29°53 | 20°23 | 23°32 | W 5 |
| T 6 | 3 32 51 | 21°58'22 | 6♌52 | 5°41 | 4°34 | 25°41 | 9°33 | 8°23 | 15°30 | 18° 6 | 1°45 | 0°11 | 29°50 | 20°29 | 23°40 | T 6 |
| F 7 | 3 36 48 | 22°59'06 | 20°12 | 7°10 | 5°49 | 26°27 | 9°46 | 8°30 | 15°28 | 18° 5 | 1°44 | 0°10 | 29°46 | 20°36 | 23°48 | F 7 |
| S 8 | 3 40 44 | 23°59'51 | 3♍52 | 8°40 | 7° 5 | 27°13 | 9°59 | 8°37 | 15°27 | 18° 5 | 1°43 | 0°10 | 29°43 | 20°43 | 23°55 | S 8 |
| S 9 | 3 44 41 | 25° 0'37 | 17°54 | 10° 9 | 8°20 | 27°59 | 10°12 | 8°44 | 15°26 | 18° 4 | 1°42 | 0°10 | 29°40 | 20°49 | 24° 3 | S 9 |
| M10 | 3 48 37 | 26° 1'25 | 2♎17 | 11°38 | 9°35 | 28°45 | 10°25 | 8°51 | 15°24 | 18° 4 | 1°41 | 0° 7 | 29°37 | 20°56 | 24°10 | M10 |
| T 11 | 3 52 34 | 27° 2'15 | 17° 0 | 13° 7 | 10°50 | 29°31 | 10°38 | 8°57 | 15°23 | 18° 4 | 1°40 | 0° 2 | 29°34 | 21° 3 | 24°18 | T 11 |
| W12 | 3 56 30 | 28° 3'06 | 1♏57 | 14°34 | 12° 5 | 0♑17 | 10°51 | 9° 4 | 15°21 | 18° 3 | 1°39 | 29♌53 | 29°30 | 21°10 | 24°26 | W12 |
| T 13 | 4 0 27 | 29° 3'59 | 17° 1 | 16° 2 | 13°20 | 1° 3 | 11° 4 | 9°11 | 15°20 | 18° 3 | 1°38 | 29°43 | 29°27 | 21°16 | 24°33 | T 13 |
| F 14 | 4 4 24 | 0♐ 4'53 | 2♐ 2 | 17°28 | 14°36 | 1°49 | 11°17 | 9°18 | 15°18 | 18° 3 | 1°37 | 29°31 | 29°24 | 21°23 | 24°41 | F 14 |
| S 15 | 4 8 20 | 1° 5'48 | 16°49 | 18°54 | 15°51 | 2°35 | 11°30 | 9°25 | 15°17 | 18° 2 | 1°36 | 29°19 | 29°21 | 21°30 | 24°48 | S 15 |
| S 16 | 4 12 17 | 2° 6'44 | 1♑14 | 20°19 | 17° 6 | 3°22 | 11°43 | 9°32 | 15°15 | 18° 2 | 1°35 | 29° 8 | 29°18 | 21°36 | 24°56 | S 16 |
| M17 | 4 16 13 | 3° 7'41 | 15°13 | 21°43 | 18°21 | 4° 8 | 11°56 | 9°39 | 15°13 | 18° 2 | 1°34 | 29° 0 | 29°15 | 21°43 | 25° 4 | M17 |
| T 18 | 4 20 10 | 4° 8'39 | 28°43 | 23° 5 | 19°36 | 4°54 | 12° 8 | 9°45 | 15°12 | 18° 2 | 1°33 | 28°54 | 29°11 | 21°50 | 25°11 | T 18 |
| W19 | 4 24 6 | 5° 9'37 | 11♒44 | 24°26 | 20°52 | 5°41 | 12°21 | 9°52 | 15°10 | 18° 2 | 1°33 | 28°52 | 29° 8 | 21°56 | 25°19 | W19 |
| T 20 | 4 28 3 | 6°10'36 | 24°21 | 25°46 | 22° 7 | 6°27 | 12°34 | 9°59 | 15° 8 | 18° 2 | 1°32 | 28°51 | 29° 5 | 22° 3 | 25°26 | T 20 |
| F 21 | 4 31 59 | 7°11'36 | 6♓38 | 27° 3 | 23°22 | 7°14 | 12°46 | 10° 5 | 15° 6 | 18°D 2 | 1°31 | 28°51 | 29° 2 | 22°10 | 25°34 | F 21 |
| S 22 | 4 35 56 | 8°12'37 | 18°40 | 28°18 | 24°37 | 8° 0 | 12°59 | 10°12 | 15° 4 | 18° 2 | 1°30 | 28°50 | 28°59 | 22°16 | 25°41 | S 22 |
| S 23 | 4 39 53 | 9°13'38 | 0♈33 | 29°31 | 25°52 | 8°47 | 13°12 | 10°18 | 15° 2 | 18° 2 | 1°29 | 28°49 | 28°56 | 22°23 | 25°48 | S 23 |
| M24 | 4 43 49 | 10°14'39 | 12°22 | 0♑41 | 27° 7 | 9°33 | 13°24 | 10°25 | 15° 0 | 18° 2 | 1°28 | 28°44 | 28°52 | 22°30 | 25°56 | M24 |
| T 25 | 4 47 46 | 11°15'42 | 24°11 | 1°47 | 28°22 | 10°20 | 13°37 | 10°32 | 14°58 | 18° 2 | 1°27 | 28°37 | 28°49 | 22°37 | 26° 3 | T 25 |
| W26 | 4 51 42 | 12°16'45 | 6♉ 5 | 2°49 | 29°37 | 11° 6 | 13°49 | 10°38 | 14°56 | 18° 2 | 1°26 | 28°27 | 28°46 | 22°43 | 26°11 | W26 |
| T 27 | 4 55 39 | 13°17'48 | 18° 7 | 3°46 | 0♑53 | 11°53 | 14° 2 | 10°44 | 14°54 | 18° 2 | 1°26 | 28°15 | 28°43 | 22°50 | 26°18 | T 27 |
| F 28 | 4 59 35 | 14°18'52 | 0♊18 | 4°38 | 2° 8 | 12°40 | 14°14 | 10°51 | 14°52 | 18° 3 | 1°25 | 28° 2 | 28°40 | 22°57 | 26°25 | F 28 |
| S 29 | 5 3 32 | 15°19'57 | 12°40 | 5°23 | 3°23 | 13°27 | 14°26 | 10°57 | 14°50 | 18° 3 | 1°24 | 27°48 | 28°36 | 23° 3 | 26°33 | S 29 |
| S 30 | 5 7 28 | 16♐21'02 | 25♊12 | 6♑ 2 | 4♑38 | 14♑13 | 14♏39 | 11♏ 3 | 14♋48 | 18♓ 3 | 1♉23 | 27♌35 | 28♌33 | 23♈10 | 26♏40 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s57 | 16n 3 | 5s 0 | 21s19 | 1s33 | 19s55 | 0s 4 | 24s21 | 1s 5 | 13s28 | 0n57 | 12s 6 | 2n10 | 23n 2 | 0n25 | 5s55 | 1s19 | 3s20 | 16s28 | 11n13 | 11n29 | 4n10 | 15s40 | 3n 2 |
| S 2 | 17 14 | 17 58 | 4 50 | 21 45 | 1 39 | 20 14 | 0 7 | 24 24 | 1 6 | 13 32 | 0 57 | 12 9 | 2 10 | 23 2 | 0 25 | 5 55 | 1 19 | 3 20 | 16 28 | 11 17 | 11 30 | 4 12 | 15 41 | 3 2 |
| M 3 | 17 31 | 19 5 | 4 26 | 22 9 | 1 44 | 20 32 | 0 9 | 24 27 | 1 6 | 13 36 | 0 57 | 12 11 | 2 10 | 23 2 | 0 25 | 5 55 | 1 19 | 3 20 | 16 28 | 11 21 | 11 31 | 4 14 | 15 43 | 3 2 |
| T 4 | 17 47 | 19 16 | 3 49 | 22 32 | 1 48 | 20 50 | 0 12 | 24 29 | 1 6 | 13 41 | 0 57 | 12 13 | 2 10 | 23 2 | 0 25 | 5 55 | 1 19 | 3 21 | 16 28 | 11 24 | 11 32 | 4 16 | 15 45 | 3 2 |
| W 5 | 18 3 | 18 28 | 3 0 | 22 54 | 1 53 | 21 7 | 0 14 | 24 31 | 1 6 | 13 45 | 0 57 | 12 15 | 2 10 | 23 2 | 0 25 | 5 56 | 1 19 | 3 21 | 16 28 | 11 26 | 11 33 | 4 18 | 15 46 | 3 3 |
| T 6 | 18 19 | 16 41 | 2 0 | 23 15 | 1 57 | 21 24 | 0 17 | 24 33 | 1 6 | 13 49 | 0 57 | 12 18 | 2 10 | 23 2 | 0 25 | 5 56 | 1 19 | 3 21 | 16 28 | 11 27 | 11 34 | 4 20 | 15 48 | 3 3 |
| F 7 | 18 35 | 13 58 | 0 53 | 23 34 | 2 1 | 21 40 | 0 19 | 24 35 | 1 7 | 13 53 | 0 57 | 12 20 | 2 10 | 23 2 | 0 26 | 5 56 | 1 19 | 3 21 | 16 28 | 11 27 | 11 35 | 4 22 | 15 50 | 3 3 |
| S 8 | 18 50 | 10 26 | 0n20 | 23 53 | 2 5 | 21 55 | 0 22 | 24 36 | 1 7 | 13 57 | 0 57 | 12 22 | 2 10 | 23 3 | 0 26 | 5 56 | 1 19 | 3 21 | 16 27 | 11 27 | 11 36 | 4 24 | 15 51 | 3 3 |
| S 9 | 19 5 | 6 13 | 1 32 | 24 10 | 2 9 | 22 10 | 0 24 | 24 37 | 1 7 | 14 2 | 0 57 | 12 24 | 2 10 | 23 3 | 0 26 | 5 56 | 1 19 | 3 22 | 16 27 | 11 27 | 11 38 | 4 26 | 15 53 | 3 3 |
| M10 | 19 20 | 1 33 | 2 41 | 24 26 | 2 12 | 22 24 | 0 26 | 24 38 | 1 7 | 14 6 | 0 57 | 12 26 | 2 10 | 23 3 | 0 26 | 5 56 | 1 19 | 3 22 | 16 27 | 11 28 | 11 39 | 4 28 | 15 55 | 3 4 |
| T 11 | 19 34 | 3s18 | 3 40 | 24 40 | 2 15 | 22 37 | 0 29 | 24 39 | 1 7 | 14 10 | 0 57 | 12 29 | 2 10 | 23 3 | 0 26 | 5 56 | 1 19 | 3 22 | 16 27 | 11 30 | 11 40 | 4 30 | 15 56 | 3 4 |
| W12 | 19 48 | 8 2 | 4 26 | 24 54 | 2 17 | 22 50 | 0 31 | 24 39 | 1 8 | 14 14 | 0 57 | 12 31 | 2 10 | 23 3 | 0 26 | 5 57 | 1 19 | 3 22 | 16 27 | 11 33 | 11 41 | 4 32 | 15 58 | 3 4 |
| T 13 | 20 1 | 12 17 | 4 53 | 25 5 | 2 19 | 23 2 | 0 34 | 24 39 | 1 8 | 14 18 | 0 57 | 12 33 | 2 10 | 23 4 | 0 26 | 5 57 | 1 19 | 3 22 | 16 27 | 11 37 | 11 42 | 4 34 | 16 0 | 3 4 |
| F 14 | 20 14 | 15 44 | 5 0 | 25 16 | 2 21 | 23 13 | 0 36 | 24 38 | 1 8 | 14 22 | 0 57 | 12 35 | 2 10 | 23 4 | 0 26 | 5 57 | 1 18 | 3 22 | 16 26 | 11 41 | 11 43 | 4 36 | 16 1 | 3 5 |
| S 15 | 20 27 | 18 7 | 4 46 | 25 25 | 2 22 | 23 24 | 0 38 | 24 38 | 1 8 | 14 26 | 0 57 | 12 37 | 2 10 | 23 4 | 0 26 | 5 57 | 1 18 | 3 23 | 16 26 | 11 45 | 11 44 | 4 38 | 16 3 | 3 5 |
| S 16 | 20 39 | 19 16 | 4 15 | 25 32 | 2 23 | 23 34 | 0 41 | 24 37 | 1 8 | 14 30 | 0 57 | 12 39 | 2 10 | 23 4 | 0 26 | 5 57 | 1 18 | 3 23 | 16 26 | 11 49 | 11 45 | 4 40 | 16 4 | 3 5 |
| M17 | 20 51 | 19 11 | 3 29 | 25 38 | 2 23 | 23 43 | 0 43 | 24 36 | 1 8 | 14 34 | 0 57 | 12 41 | 2 10 | 23 4 | 0 26 | 5 57 | 1 18 | 3 23 | 16 26 | 11 52 | 11 47 | 4 42 | 16 6 | 3 5 |
| T 18 | 21 3 | 18 0 | 2 32 | 25 43 | 2 23 | 23 52 | 0 45 | 24 34 | 1 9 | 14 38 | 0 57 | 12 43 | 2 10 | 23 5 | 0 26 | 5 57 | 1 18 | 3 23 | 16 26 | 11 54 | 11 48 | 4 44 | 16 7 | 3 6 |
| W19 | 21 14 | 15 54 | 1 29 | 25 46 | 2 22 | 23 59 | 0 47 | 24 32 | 1 9 | 14 41 | 0 57 | 12 45 | 2 11 | 23 5 | 0 26 | 5 57 | 1 18 | 3 23 | 16 25 | 11 55 | 11 49 | 4 46 | 16 9 | 3 6 |
| T 20 | 21 25 | 13 5 | 0 24 | 25 47 | 2 20 | 24 7 | 0 50 | 24 30 | 1 9 | 14 45 | 0 57 | 12 47 | 2 11 | 23 5 | 0 26 | 5 57 | 1 18 | 3 23 | 16 25 | 11 55 | 11 50 | 4 48 | 16 10 | 3 6 |
| F 21 | 21 35 | 9 45 | 0s41 | 25 47 | 2 18 | 24 13 | 0 52 | 24 28 | 1 9 | 14 49 | 0 57 | 12 49 | 2 11 | 23 5 | 0 26 | 5 57 | 1 18 | 3 23 | 16 25 | 11 55 | 11 51 | 4 50 | 16 12 | 3 6 |
| S 22 | 21 45 | 6 5 | 1 43 | 25 46 | 2 15 | 24 18 | 0 54 | 24 25 | 1 9 | 14 53 | 0 57 | 12 51 | 2 11 | 23 6 | 0 26 | 5 57 | 1 18 | 3 23 | 16 25 | 11 55 | 11 52 | 4 52 | 16 13 | 3 7 |
| S 23 | 21 54 | 2 13 | 2 39 | 25 42 | 2 11 | 24 23 | 0 56 | 24 23 | 1 9 | 14 57 | 0 57 | 12 53 | 2 11 | 23 6 | 0 26 | 5 57 | 1 18 | 3 23 | 16 25 | 11 56 | 11 53 | 4 54 | 16 15 | 3 7 |
| M24 | 22 4 | 1n42 | 3 29 | 25 38 | 2 7 | 24 27 | 0 58 | 24 19 | 1 9 | 15 1 | 0 57 | 12 55 | 2 11 | 23 6 | 0 26 | 5 57 | 1 18 | 3 23 | 16 24 | 11 57 | 11 54 | 4 56 | 16 16 | 3 7 |
| T 25 | 22 12 | 5 33 | 4 9 | 25 32 | 2 1 | 24 31 | 1 0 | 24 16 | 1 9 | 15 4 | 0 57 | 12 57 | 2 11 | 23 6 | 0 26 | 5 57 | 1 18 | 3 23 | 16 24 | 12 0 | 11 55 | 4 58 | 16 18 | 3 7 |
| W26 | 22 20 | 9 13 | 4 39 | 25 24 | 1 55 | 24 33 | 1 2 | 24 12 | 1 9 | 15 8 | 0 57 | 12 59 | 2 11 | 23 7 | 0 26 | 5 56 | 1 18 | 3 24 | 16 24 | 12 3 | 11 57 | 5 0 | 16 19 | 3 8 |
| T 27 | 22 28 | 12 32 | 4 56 | 25 15 | 1 47 | 24 35 | 1 4 | 24 8 | 1 9 | 15 12 | 0 57 | 13 1 | 2 11 | 23 7 | 0 26 | 5 56 | 1 18 | 3 24 | 16 24 | 12 7 | 11 58 | 5 2 | 16 21 | 3 8 |
| F 28 | 22 36 | 15 23 | 5 0 | 25 5 | 1 39 | 24 36 | 1 6 | 24 4 | 1 9 | 15 15 | 0 57 | 13 3 | 2 11 | 23 7 | 0 26 | 5 56 | 1 18 | 3 24 | 16 23 | 12 12 | 11 59 | 5 4 | 16 22 | 3 8 |
| S 29 | 22 43 | 17 35 | 4 51 | 24 53 | 1 29 | 24 37 | 1 8 | 23 59 | 1 10 | 15 19 | 0 57 | 13 5 | 2 11 | 23 7 | 0 26 | 5 56 | 1 18 | 3 24 | 16 23 | 12 17 | 12 0 | 5 6 | 16 23 | 3 9 |
| S 30 | 22s49 | 18n59 | 4s27 | 24s40 | 1s18 | 24s36 | 1s10 | 23s55 | 1s10 | 15s23 | 0n57 | 13s 7 | 2n11 | 23n 8 | 0n26 | 5s56 | 1s18 | 3s24 | 16s23 | 12n21 | 12n 1 | 5n 8 | 16s25 | 3n 9 |

Julian Day Number = 2219928.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'40, Lahiri = 15°00'41 Julian Calendar 1 Nov. 1365 == Greg. Calendar 9 Nov. 1365


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# ASTRODIENST EPHEMERIS for the year 1365
# geocentric

## DECEMBER 1365 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 11 25 | 17♐22'08 | 7♋56 | 6♑33 | 5♑53 | 15♑ 0 | 14♏51 | 11♏10 | 14°R46 | 18♓ 3 | 1°R23 | 27°R24 | 28♌30 | 23♈17 | 26♏47 | M 1 |
| T 2 | 5 15 22 | 18°23'15 | 20°49 | 6°56 | 7° 8 | 15°47 | 15° 3 | 11°16 | 14♋43 | 18° 4 | 1♉22 | 27♌16 | 28°27 | 23°23 | 26°55 | T 2 |
| W 3 | 5 19 18 | 19°24'22 | 3♌54 | 7° 8 | 8°23 | 16°34 | 15°15 | 11°22 | 14°41 | 18° 4 | 1°21 | 27°11 | 28°24 | 23°30 | 27° 2 | W 3 |
| T 4 | 5 23 15 | 20°25'30 | 17°10 | 7°R10 | 9°38 | 17°21 | 15°27 | 11°28 | 14°39 | 18° 5 | 1°20 | 27° 9 | 28°21 | 23°37 | 27° 9 | T 4 |
| F 5 | 5 27 11 | 21°26'38 | 0♍37 | 7° 2 | 10°53 | 18° 8 | 15°39 | 11°34 | 14°37 | 18° 5 | 1°20 | 27°D 9 | 28°17 | 23°44 | 27°16 | F 5 |
| S 6 | 5 31 8 | 22°27'48 | 14°18 | 6°41 | 12° 8 | 18°55 | 15°51 | 11°40 | 14°34 | 18° 6 | 1°19 | 27° 9 | 28°14 | 23°50 | 27°23 | S 6 |
| S 7 | 5 35 4 | 23°28'57 | 28°12 | 6° 9 | 13°23 | 19°42 | 16° 3 | 11°46 | 14°32 | 18° 6 | 1°18 | 27°R 9 | 28°11 | 23°57 | 27°30 | S 7 |
| M 8 | 5 39 1 | 24°30'08 | 12♎21 | 5°25 | 14°38 | 20°29 | 16°15 | 11°52 | 14°29 | 18° 7 | 1°18 | 27° 8 | 28° 8 | 24° 4 | 27°37 | M 8 |
| T 9 | 5 42 57 | 25°31'19 | 26°43 | 4°30 | 15°53 | 21°16 | 16°26 | 11°58 | 14°27 | 18° 7 | 1°17 | 27° 4 | 28° 5 | 24°10 | 27°44 | T 9 |
| W10 | 5 46 54 | 26°32'31 | 11♏16 | 3°26 | 17° 8 | 22° 3 | 16°38 | 12° 4 | 14°25 | 18° 8 | 1°17 | 26°58 | 28° 2 | 24°17 | 27°51 | W10 |
| T 11 | 5 50 51 | 27°33'43 | 25°53 | 2°14 | 18°23 | 22°50 | 16°50 | 12° 9 | 14°22 | 18° 9 | 1°16 | 26°49 | 27°58 | 24°24 | 27°58 | T 11 |
| F 12 | 5 54 47 | 28°34'55 | 10♐30 | 0°56 | 19°38 | 23°37 | 17° 1 | 12°15 | 14°20 | 18° 9 | 1°15 | 26°40 | 27°55 | 24°30 | 28° 5 | F 12 |
| S 13 | 5 58 44 | 29°36'08 | 24°57 | 29♐34 | 20°53 | 24°24 | 17°13 | 12°21 | 14°17 | 18°10 | 1°15 | 26°30 | 27°52 | 24°37 | 28°12 | S 13 |
| S 14 | 6 2 40 | 0♑37'21 | 9♑ 9 | 28°13 | 22° 8 | 25°11 | 17°24 | 12°26 | 14°15 | 18°11 | 1°14 | 26°21 | 27°49 | 24°44 | 28°19 | S 14 |
| M15 | 6 6 37 | 1°38'34 | 23° 1 | 26°53 | 23°23 | 25°59 | 17°35 | 12°32 | 14°12 | 18°12 | 1°14 | 26°14 | 27°46 | 24°51 | 28°26 | M15 |
| T 16 | 6 10 33 | 2°39'47 | 6♒28 | 25°39 | 24°38 | 26°46 | 17°46 | 12°37 | 14°10 | 18°12 | 1°13 | 26°10 | 27°42 | 24°57 | 28°32 | T 16 |
| W17 | 6 14 30 | 3°41'00 | 19°30 | 24°31 | 25°53 | 27°33 | 17°58 | 12°42 | 14° 7 | 18°13 | 1°13 | 26° 8 | 27°39 | 25° 4 | 28°39 | W17 |
| T 18 | 6 18 26 | 4°42'12 | 2♓10 | 23°31 | 27° 8 | 28°20 | 18° 9 | 12°48 | 14° 5 | 18°14 | 1°13 | 26°D 8 | 27°36 | 25°11 | 28°46 | T 18 |
| F 19 | 6 22 23 | 5°43'24 | 14°31 | 22°40 | 28°22 | 29° 8 | 18°20 | 12°53 | 14° 2 | 18°15 | 1°12 | 26° 9 | 27°33 | 25°17 | 28°52 | F 19 |
| S 20 | 6 26 20 | 6°44'35 | 26°36 | 22° 0 | 29°37 | 29°55 | 18°30 | 12°58 | 13°59 | 18°16 | 1°12 | 26°10 | 27°30 | 25°24 | 28°59 | S 20 |
| S 21 | 6 30 16 | 7°45'46 | 8♈31 | 21°29 | 0♒52 | 0♒42 | 18°41 | 13° 3 | 13°57 | 18°17 | 1°11 | 26°R11 | 27°27 | 25°31 | 29° 5 | S 21 |
| M22 | 6 34 13 | 8°46'57 | 20°22 | 21° 9 | 2° 7 | 1°30 | 18°52 | 13° 8 | 13°54 | 18°18 | 1°11 | 26°10 | 27°23 | 25°37 | 29°12 | M22 |
| T 23 | 6 38 9 | 9°48'07 | 2♉13 | 20°58 | 3°22 | 2°17 | 19° 3 | 13°13 | 13°52 | 18°19 | 1°11 | 26° 7 | 27°20 | 25°44 | 29°18 | T 23 |
| W24 | 6 42 6 | 10°49'16 | 14°10 | 20°D56 | 4°36 | 3° 4 | 19°13 | 13°18 | 13°49 | 18°20 | 1°10 | 26° 2 | 27°17 | 25°51 | 29°24 | W24 |
| T 25 | 6 46 2 | 11°50'25 | 26°15 | 21° 3 | 5°51 | 3°52 | 19°24 | 13°23 | 13°46 | 18°21 | 1°10 | 25°55 | 27°14 | 25°58 | 29°31 | T 25 |
| F 26 | 6 49 59 | 12°51'34 | 8♊33 | 21°17 | 7° 6 | 4°39 | 19°34 | 13°28 | 13°44 | 18°23 | 1°10 | 25°48 | 27°11 | 26° 4 | 29°37 | F 26 |
| S 27 | 6 53 55 | 13°52'41 | 21° 5 | 21°39 | 8°21 | 5°26 | 19°44 | 13°32 | 13°41 | 18°24 | 1°10 | 25°39 | 27° 8 | 26°11 | 29°43 | S 27 |
| S 28 | 6 57 52 | 14°53'49 | 3♋52 | 22° 8 | 9°35 | 6°14 | 19°54 | 13°37 | 13°39 | 18°25 | 1° 9 | 25°32 | 27° 4 | 26°18 | 29°49 | S 28 |
| M29 | 7 1 49 | 15°54'56 | 16°55 | 22°42 | 10°50 | 7° 1 | 20° 4 | 13°42 | 13°36 | 18°26 | 1° 9 | 25°25 | 27° 1 | 26°24 | 29°55 | M29 |
| T 30 | 7 5 45 | 16°56'02 | 0♌11 | 23°21 | 12° 5 | 7°48 | 20°14 | 13°46 | 13°33 | 18°28 | 1° 9 | 25°21 | 26°58 | 26°31 | 0♐ 1 | T 30 |
| W31 | 7 9 42 | 17♑57'08 | 13♌40 | 24♐ 6 | 13♒19 | 8♒36 | 20♏24 | 13♏50 | 13♋31 | 18♓29 | 1♉ 9 | 25♌18 | 26♌55 | 26♈38 | 0♐ 7 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s55 | 19n27 | 3s50 | 24s27 | 1s 5 | 24s35 | 1s12 | 23s49 | 1s10 | 15s26 | 0n57 | 13s 9 | 2n12 | 23n 8 | 0n26 | 5s56 | 1s18 | 3s24 | 16s23 | 12n25 | 12n 2 | 5n10 | 16s26 | 3n 9 |
| T 2 | 23 1 | 18 56 | 3 0 | 24 12 | 0 52 | 24 33 | 1 13 | 23 44 | 1 10 | 15 30 | 0 57 | 13 10 | 2 12 | 23 8 | 0 26 | 5 56 | 1 18 | 3 24 | 16 22 | 12 28 | 12 3 | 5 12 | 16 27 | 3 10 |
| W 3 | 23 6 | 17 24 | 2 0 | 23 56 | 0 37 | 24 30 | 1 15 | 23 38 | 1 10 | 15 33 | 0 57 | 13 12 | 2 12 | 23 8 | 0 26 | 5 55 | 1 18 | 3 24 | 16 22 | 12 29 | 12 4 | 5 14 | 16 29 | 3 10 |
| T 4 | 23 10 | 14 54 | 0 53 | 23 40 | 0 21 | 24 27 | 1 17 | 23 32 | 1 10 | 15 37 | 0 57 | 13 14 | 2 12 | 23 9 | 0 26 | 5 55 | 1 18 | 3 24 | 16 22 | 12 30 | 12 5 | 5 16 | 16 30 | 3 10 |
| F 5 | 23 15 | 11 35 | 0n19 | 23 23 | 0 3 | 24 22 | 1 18 | 23 26 | 1 10 | 15 40 | 0 57 | 13 16 | 2 12 | 23 9 | 0 26 | 5 55 | 1 18 | 3 24 | 16 22 | 12 30 | 12 6 | 5 18 | 16 31 | 3 11 |
| S 6 | 23 18 | 7 35 | 1 30 | 23 6 | 0n15 | 24 17 | 1 20 | 23 20 | 1 10 | 15 43 | 0 57 | 13 17 | 2 12 | 23 9 | 0 26 | 5 55 | 1 18 | 3 23 | 16 21 | 12 30 | 12 8 | 5 20 | 16 33 | 3 11 |
| S 7 | 23 21 | 3 7 | 2 38 | 22 48 | 0 34 | 24 12 | 1 21 | 23 13 | 1 10 | 15 47 | 0 57 | 13 19 | 2 12 | 23 10 | 0 26 | 5 55 | 1 18 | 3 23 | 16 21 | 12 30 | 12 9 | 5 22 | 16 34 | 3 11 |
| M 8 | 23 24 | 1s34 | 3 37 | 22 30 | 0 54 | 24 5 | 1 23 | 23 6 | 1 10 | 15 50 | 0 57 | 13 21 | 2 12 | 23 10 | 0 26 | 5 54 | 1 18 | 3 23 | 16 21 | 12 31 | 12 10 | 5 24 | 16 35 | 3 12 |
| T 9 | 23 27 | 6 15 | 4 23 | 22 13 | 1 14 | 23 58 | 1 24 | 22 59 | 1 10 | 15 54 | 0 57 | 13 23 | 2 12 | 23 10 | 0 26 | 5 54 | 1 18 | 3 23 | 16 20 | 12 32 | 12 11 | 5 26 | 16 36 | 3 12 |
| W10 | 23 28 | 10 37 | 4 53 | 21 55 | 1 34 | 23 50 | 1 26 | 22 51 | 1 10 | 15 57 | 0 57 | 13 24 | 2 13 | 23 10 | 0 26 | 5 54 | 1 18 | 3 23 | 16 20 | 12 34 | 12 12 | 5 28 | 16 38 | 3 12 |
| T 11 | 23 30 | 14 22 | 5 4 | 21 38 | 1 53 | 23 41 | 1 27 | 22 43 | 1 10 | 16 0 | 0 57 | 13 26 | 2 13 | 23 11 | 0 26 | 5 53 | 1 17 | 3 23 | 16 20 | 12 37 | 12 13 | 5 30 | 16 39 | 3 13 |
| F 12 | 23 31 | 17 13 | 4 56 | 21 21 | 2 10 | 23 32 | 1 28 | 22 35 | 1 10 | 16 3 | 0 58 | 13 27 | 2 13 | 23 11 | 0 26 | 5 53 | 1 17 | 3 23 | 16 19 | 12 40 | 12 14 | 5 32 | 16 40 | 3 13 |
| S 13 | 23 31 | 18 58 | 4 28 | 21 5 | 2 26 | 23 22 | 1 29 | 22 27 | 1 9 | 16 6 | 0 58 | 13 29 | 2 13 | 23 11 | 0 26 | 5 53 | 1 17 | 3 23 | 16 19 | 12 43 | 12 15 | 5 34 | 16 41 | 3 13 |
| S 14 | 23 31 | 19 28 | 3 44 | 20 50 | 2 40 | 23 11 | 1 30 | 22 18 | 1 9 | 16 10 | 0 58 | 13 31 | 2 13 | 23 11 | 0 26 | 5 52 | 1 17 | 3 23 | 16 19 | 12 46 | 12 16 | 5 36 | 16 42 | 3 14 |
| M15 | 23 31 | 18 47 | 2 48 | 20 37 | 2 52 | 22 59 | 1 31 | 22 9 | 1 9 | 16 13 | 0 58 | 13 32 | 2 13 | 23 12 | 0 26 | 5 52 | 1 17 | 3 23 | 16 19 | 12 49 | 12 17 | 5 38 | 16 43 | 3 14 |
| T 16 | 23 30 | 17 3 | 1 44 | 20 25 | 3 1 | 22 47 | 1 32 | 22 0 | 1 9 | 16 16 | 0 58 | 13 34 | 2 13 | 23 12 | 0 26 | 5 52 | 1 17 | 3 22 | 16 18 | 12 50 | 12 19 | 5 40 | 16 44 | 3 14 |
| W17 | 23 28 | 14 27 | 0 36 | 20 16 | 3 8 | 22 34 | 1 33 | 21 51 | 1 9 | 16 19 | 0 58 | 13 35 | 2 13 | 23 12 | 0 26 | 5 51 | 1 17 | 3 22 | 16 18 | 12 51 | 12 20 | 5 42 | 16 45 | 3 15 |
| T 18 | 23 26 | 11 15 | 0s33 | 20 9 | 3 13 | 22 21 | 1 34 | 21 41 | 1 9 | 16 22 | 0 58 | 13 37 | 2 14 | 23 13 | 0 26 | 5 51 | 1 17 | 3 22 | 16 18 | 12 51 | 12 21 | 5 44 | 16 46 | 3 15 |
| F 19 | 23 24 | 7 37 | 1 37 | 20 4 | 3 15 | 22 6 | 1 35 | 21 32 | 1 9 | 16 25 | 0 58 | 13 38 | 2 14 | 23 13 | 0 26 | 5 51 | 1 17 | 3 22 | 16 17 | 12 51 | 12 22 | 5 46 | 16 48 | 3 16 |
| S 20 | 23 21 | 3 45 | 2 37 | 20 2 | 3 15 | 21 51 | 1 36 | 21 22 | 1 9 | 16 28 | 0 58 | 13 39 | 2 14 | 23 13 | 0 26 | 5 50 | 1 17 | 3 22 | 16 17 | 12 50 | 12 23 | 5 48 | 16 49 | 3 16 |
| S 21 | 23 17 | 0n12 | 3 28 | 20 2 | 3 13 | 21 36 | 1 36 | 21 11 | 1 9 | 16 31 | 0 58 | 13 41 | 2 14 | 23 13 | 0 26 | 5 50 | 1 17 | 3 22 | 16 17 | 12 50 | 12 24 | 5 50 | 16 50 | 3 16 |
| M22 | 23 14 | 4 7 | 4 11 | 20 4 | 3 10 | 21 20 | 1 37 | 21 1 | 1 9 | 16 34 | 0 58 | 13 42 | 2 14 | 23 14 | 0 26 | 5 49 | 1 17 | 3 21 | 16 16 | 12 50 | 12 25 | 5 52 | 16 50 | 3 17 |
| T 23 | 23 9 | 7 52 | 4 42 | 20 8 | 3 5 | 21 3 | 1 37 | 20 50 | 1 9 | 16 37 | 0 58 | 13 43 | 2 14 | 23 14 | 0 26 | 5 49 | 1 17 | 3 21 | 16 16 | 12 51 | 12 26 | 5 54 | 16 51 | 3 17 |
| W24 | 23 5 | 11 20 | 5 2 | 20 14 | 2 59 | 20 45 | 1 38 | 20 39 | 1 8 | 16 39 | 0 58 | 13 45 | 2 14 | 23 14 | 0 26 | 5 48 | 1 17 | 3 21 | 16 16 | 12 53 | 12 27 | 5 56 | 16 52 | 3 18 |
| T 25 | 22 59 | 14 23 | 5 8 | 20 21 | 2 52 | 20 27 | 1 38 | 20 28 | 1 8 | 16 42 | 0 58 | 13 46 | 2 15 | 23 15 | 0 26 | 5 48 | 1 17 | 3 21 | 16 15 | 12 55 | 12 28 | 5 58 | 16 53 | 3 18 |
| F 26 | 22 54 | 16 51 | 5 1 | 20 30 | 2 45 | 20 9 | 1 38 | 20 16 | 1 8 | 16 45 | 0 58 | 13 47 | 2 15 | 23 15 | 0 26 | 5 47 | 1 17 | 3 21 | 16 15 | 12 58 | 12 30 | 5 59 | 16 54 | 3 18 |
| S 27 | 22 48 | 18 35 | 4 39 | 20 39 | 2 37 | 19 50 | 1 39 | 20 4 | 1 8 | 16 48 | 0 58 | 13 49 | 2 15 | 23 15 | 0 26 | 5 47 | 1 17 | 3 20 | 16 15 | 13 1 | 12 31 | 6 1 | 16 55 | 3 19 |
| S 28 | 22 41 | 19 25 | 4 3 | 20 49 | 2 28 | 19 30 | 1 39 | 19 52 | 1 8 | 16 50 | 0 58 | 13 50 | 2 15 | 23 15 | 0 27 | 5 46 | 1 17 | 3 20 | 16 14 | 13 3 | 12 32 | 6 3 | 16 56 | 3 19 |
| M29 | 22 34 | 19 15 | 3 13 | 21 0 | 2 19 | 19 10 | 1 39 | 19 40 | 1 8 | 16 53 | 0 59 | 13 51 | 2 15 | 23 16 | 0 27 | 5 46 | 1 17 | 3 20 | 16 14 | 13 5 | 12 33 | 6 5 | 16 57 | 3 20 |
| T 30 | 22 27 | 18 1 | 2 12 | 21 12 | 2 9 | 18 49 | 1 39 | 19 28 | 1 8 | 16 55 | 0 59 | 13 52 | 2 15 | 23 16 | 0 27 | 5 45 | 1 17 | 3 20 | 16 14 | 13 7 | 12 34 | 6 7 | 16 58 | 3 20 |
| W31 | 22s19 | 15n46 | 1s 3 | 21s23 | 2n 0 | 18s27 | 1s39 | 19s15 | 1s 7 | 16s58 | 0n59 | 13s53 | 2n16 | 23n16 | 0n27 | 5s45 | 1s17 | 3s19 | 16s13 | 13n 8 | 12n35 | 6n 9 | 16s58 | 3n21 |

Julian Day Number = 2219958.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'44, Lahiri = 15°00'45 Julian Calendar 1 Dec. 1365 == Greg. Calendar 9 Dec. 1365


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## JANUARY 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 13 38 | 18♉58'13 | 27♌20 | 24♐55 | 14♒34 | 9♒23 | 20♏34 | 13♏55 | 13°R28 | 18♓30 | 1°R 9 | 25°D18 | 26♌52 | 26♈45 | 0♐13 | T 1 |
| F 2 | 7 17 35 | 19°59'18 | 11♍ 9 | 25°48 | 15°48 | 10°11 | 20°44 | 13°59 | 13♋26 | 18°32 | 1♉ 9 | 25♌19 | 26°48 | 26°51 | 0°18 | F 2 |
| S 3 | 7 21 31 | 21° 0'22 | 25° 5 | 26°44 | 17° 3 | 10°58 | 20°53 | 14° 3 | 13°23 | 18°33 | 1° 9 | 25°20 | 26°45 | 26°58 | 0°24 | S 3 |
| S 4 | 7 25 28 | 22° 1'26 | 9♎ 8 | 27°43 | 18°17 | 11°45 | 21° 3 | 14° 7 | 13°20 | 18°34 | 1° 8 | 25°22 | 26°42 | 27° 5 | 0°30 | S 4 |
| M 5 | 7 29 25 | 23° 2'29 | 23°15 | 28°46 | 19°32 | 12°33 | 21°12 | 14°11 | 13°18 | 18°36 | 1° 8 | 25°R22 | 26°39 | 27°11 | 0°35 | M 5 |
| T 6 | 7 33 21 | 24° 3'32 | 7♏26 | 29°51 | 20°46 | 13°20 | 21°21 | 14°15 | 13°15 | 18°37 | 1° 8 | 25°22 | 26°36 | 27°18 | 0°41 | T 6 |
| W 7 | 7 37 18 | 25° 4'35 | 21°38 | 0♑58 | 22° 0 | 14° 8 | 21°30 | 14°19 | 13°13 | 18°39 | 1°D 8 | 25°19 | 26°33 | 27°25 | 0°46 | W 7 |
| T 8 | 7 41 14 | 26° 5'37 | 5♐50 | 2° 7 | 23°15 | 14°55 | 21°39 | 14°22 | 13°10 | 18°40 | 1° 8 | 25°16 | 26°29 | 27°31 | 0°52 | T 8 |
| F 9 | 7 45 11 | 27° 6'38 | 19°56 | 3°19 | 24°29 | 15°42 | 21°48 | 14°26 | 13° 8 | 18°42 | 1° 8 | 25°12 | 26°26 | 27°38 | 0°57 | F 9 |
| S 10 | 7 49 7 | 28° 7'39 | 3♑54 | 4°32 | 25°43 | 16°30 | 21°57 | 14°30 | 13° 5 | 18°43 | 1° 8 | 25° 7 | 26°23 | 27°45 | 1° 2 | S 10 |
| S 11 | 7 53 4 | 29° 8'39 | 17°40 | 5°47 | 26°58 | 17°17 | 22° 5 | 14°33 | 13° 3 | 18°45 | 1° 9 | 25° 3 | 26°20 | 27°52 | 1° 7 | S 11 |
| M12 | 7 57 0 | 0♒ 9'38 | 1♒10 | 7° 3 | 28°12 | 18° 5 | 22°14 | 14°36 | 13° 0 | 18°47 | 1° 9 | 25° 0 | 26°17 | 27°58 | 1°13 | M12 |
| T 13 | 8 0 57 | 1°10'36 | 14°23 | 8°21 | 29°26 | 18°52 | 22°22 | 14°40 | 12°58 | 18°48 | 1° 9 | 24°59 | 26°14 | 28° 5 | 1°18 | T 13 |
| W14 | 8 4 54 | 2°11'32 | 27°17 | 9°40 | 0♓40 | 19°40 | 22°30 | 14°43 | 12°55 | 18°50 | 1° 9 | 24°D58 | 26°10 | 28°12 | 1°23 | W14 |
| T 15 | 8 8 50 | 3°12'28 | 9♓53 | 11° 1 | 1°54 | 20°27 | 22°38 | 14°46 | 12°53 | 18°52 | 1° 9 | 24°59 | 26° 7 | 28°18 | 1°27 | T 15 |
| F 16 | 8 12 47 | 4°13'22 | 22°13 | 12°22 | 3° 8 | 21°14 | 22°46 | 14°49 | 12°51 | 18°53 | 1° 9 | 25° 0 | 26° 4 | 28°25 | 1°32 | F 16 |
| S 17 | 8 16 43 | 5°14'14 | 4♈20 | 13°45 | 4°22 | 22° 2 | 22°54 | 14°52 | 12°48 | 18°55 | 1°10 | 25° 2 | 26° 1 | 28°32 | 1°37 | S 17 |
| S 18 | 8 20 40 | 6°15'06 | 16°17 | 15° 9 | 5°36 | 22°49 | 23° 2 | 14°55 | 12°46 | 18°57 | 1°10 | 25° 4 | 25°58 | 28°39 | 1°41 | S 18 |
| M19 | 8 24 36 | 7°15'56 | 28° 9 | 16°34 | 6°50 | 23°36 | 23°10 | 14°57 | 12°44 | 18°59 | 1°10 | 25° 5 | 25°54 | 28°45 | 1°46 | M19 |
| T 20 | 8 28 33 | 8°16'44 | 10♉ 1 | 18° 0 | 8° 4 | 24°24 | 23°17 | 15° 0 | 12°41 | 19° 1 | 1°10 | 25°R 5 | 25°51 | 28°52 | 1°50 | T 20 |
| W21 | 8 32 29 | 9°17'31 | 21°57 | 19°26 | 9°18 | 25°11 | 23°24 | 15° 3 | 12°39 | 19° 2 | 1°11 | 25° 4 | 25°48 | 28°59 | 1°55 | W21 |
| T 22 | 8 36 26 | 10°18'16 | 4♊ 3 | 20°54 | 10°32 | 25°58 | 23°31 | 15° 5 | 12°37 | 19° 4 | 1°11 | 25° 3 | 25°45 | 29° 5 | 1°59 | T 22 |
| F 23 | 8 40 23 | 11°19'00 | 16°22 | 22°23 | 11°46 | 26°46 | 23°38 | 15° 7 | 12°35 | 19° 6 | 1°11 | 25° 1 | 25°42 | 29°12 | 2° 3 | F 23 |
| S 24 | 8 44 19 | 12°19'42 | 28°59 | 23°52 | 12°59 | 27°33 | 23°45 | 15°10 | 12°32 | 19° 8 | 1°12 | 25° 0 | 25°39 | 29°19 | 2° 7 | S 24 |
| S 25 | 8 48 16 | 13°20'23 | 11♋54 | 25°23 | 14°13 | 28°20 | 23°52 | 15°12 | 12°30 | 19°10 | 1°12 | 24°58 | 25°35 | 29°25 | 2°11 | S 25 |
| M26 | 8 52 12 | 14°21'02 | 25°10 | 26°54 | 15°27 | 29° 7 | 23°59 | 15°14 | 12°28 | 19°12 | 1°12 | 24°56 | 25°32 | 29°32 | 2°15 | M26 |
| T 27 | 8 56 9 | 15°21'39 | 8♌46 | 28°26 | 16°40 | 29°55 | 24° 5 | 15°16 | 12°26 | 19°14 | 1°13 | 24°55 | 25°29 | 29°39 | 2°19 | T 27 |
| W28 | 9 0 5 | 16°22'15 | 22°39 | 29°59 | 17°54 | 0♓42 | 24°11 | 15°18 | 12°24 | 19°16 | 1°13 | 24°D55 | 25°26 | 29°46 | 2°23 | W28 |
| T 29 | 9 4 2 | 17°22'49 | 6♍47 | 1♒33 | 19° 7 | 1°29 | 24°17 | 15°19 | 12°22 | 19°18 | 1°14 | 24°55 | 25°23 | 29°52 | 2°27 | T 29 |
| F 30 | 9 7 58 | 18°23'22 | 21° 5 | 3° 8 | 20°20 | 2°16 | 24°23 | 15°21 | 12°20 | 19°20 | 1°14 | 24°56 | 25°19 | 29°59 | 2°30 | F 30 |
| S 31 | 9 11 55 | 19♒23'54 | 5♎29 | 4♒44 | 21♓34 | 3♓ 3 | 24♏29 | 15♏22 | 12♋18 | 19♓22 | 1♉15 | 24♌56 | 25♌16 | 0♉ 6 | 2♐34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s10 | 12n37 | 0n11 | 21s35 | 1n50 | 18s 6 | 1s39 | 19s 3 | 1s 7 | 17s 0 | 0n59 | 13s54 | 2n16 | 23n17 | 0n27 | 5s44 | 1s17 | 3s19 | 16s13 | 13n 8 | 12n36 | 6n11 | 16s59 | 3n21 | |
| F 2 | 22 2 | 8 43 | 1 25 | 21 47 | 1 41 | 17 43 | 1 38 | 18 50 | 1 7 | 17 3 | 0 59 | 13 55 | 2 16 | 23 17 | 0 27 | 5 44 | 1 17 | 3 19 | 16 12 | 13 8 | 12 37 | 6 13 | 17 0 | 3 22 | |
| S 3 | 21 52 | 4 20 | 2 35 | 21 58 | 1 31 | 17 20 | 1 38 | 18 36 | 1 7 | 17 5 | 0 59 | 13 56 | 2 16 | 23 17 | 0 27 | 5 43 | 1 17 | 3 18 | 16 12 | 13 7 | 12 38 | 6 15 | 17 1 | 3 22 | |
| S 4 | 21 43 | 0s19 | 3 37 | 22 9 | 1 21 | 16 57 | 1 38 | 18 23 | 1 7 | 17 8 | 0 59 | 13 58 | 2 16 | 23 17 | 0 27 | 5 43 | 1 17 | 3 18 | 16 12 | 13 7 | 12 39 | 6 17 | 17 1 | 3 23 | |
| M 5 | 21 33 | 4 58 | 4 25 | 22 19 | 1 12 | 16 33 | 1 37 | 18 9 | 1 6 | 17 10 | 0 59 | 13 59 | 2 17 | 23 18 | 0 27 | 5 42 | 1 17 | 3 18 | 16 11 | 13 6 | 12 40 | 6 19 | 17 2 | 3 23 | |
| T 6 | 21 22 | 9 21 | 4 58 | 22 29 | 1 2 | 16 9 | 1 37 | 17 56 | 1 6 | 17 12 | 0 59 | 13 59 | 2 17 | 23 18 | 0 27 | 5 41 | 1 17 | 3 17 | 16 11 | 13 7 | 12 41 | 6 21 | 17 3 | 3 23 | |
| W 7 | 21 11 | 13 13 | 5 12 | 22 38 | 0 53 | 15 44 | 1 36 | 17 42 | 1 6 | 17 15 | 0 59 | 14 0 | 2 17 | 23 18 | 0 27 | 5 41 | 1 17 | 3 17 | 16 11 | 13 7 | 12 43 | 6 23 | 17 3 | 3 24 | |
| T 8 | 21 0 | 16 18 | 5 7 | 22 47 | 0 43 | 15 19 | 1 36 | 17 28 | 1 6 | 17 17 | 0 59 | 14 1 | 2 17 | 23 18 | 0 27 | 5 40 | 1 17 | 3 17 | 16 10 | 13 9 | 12 44 | 6 25 | 17 4 | 3 24 | |
| F 9 | 20 48 | 18 25 | 4 44 | 22 55 | 0 34 | 14 54 | 1 35 | 17 13 | 1 5 | 17 19 | 0 59 | 14 2 | 2 17 | 23 19 | 0 27 | 5 40 | 1 17 | 3 16 | 16 10 | 13 10 | 12 45 | 6 27 | 17 5 | 3 25 | |
| S 10 | 20 36 | 19 23 | 4 4 | 23 1 | 0 25 | 14 28 | 1 34 | 16 59 | 1 5 | 17 21 | 0 59 | 14 3 | 2 17 | 23 19 | 0 27 | 5 39 | 1 17 | 3 16 | 16 10 | 13 11 | 12 46 | 6 29 | 17 5 | 3 25 | |
| S 11 | 20 24 | 19 12 | 3 11 | 23 7 | 0 16 | 14 1 | 1 33 | 16 44 | 1 5 | 17 24 | 1 0 | 14 4 | 2 18 | 23 19 | 0 27 | 5 38 | 1 16 | 3 16 | 16 9 | 13 13 | 12 47 | 6 31 | 17 6 | 3 26 | |
| M12 | 20 11 | 17 54 | 2 7 | 23 12 | 0 8 | 13 35 | 1 32 | 16 29 | 1 5 | 17 26 | 1 0 | 14 5 | 2 18 | 23 19 | 0 27 | 5 38 | 1 16 | 3 15 | 16 9 | 13 14 | 12 48 | 6 33 | 17 6 | 3 26 | |
| T 13 | 19 58 | 15 39 | 0 58 | 23 16 | 0s 1 | 13 8 | 1 31 | 16 14 | 1 4 | 17 28 | 1 0 | 14 5 | 2 18 | 23 20 | 0 27 | 5 37 | 1 16 | 3 15 | 16 9 | 13 14 | 12 49 | 6 35 | 17 7 | 3 27 | |
| W14 | 19 44 | 12 39 | 0s13 | 23 19 | 0 9 | 12 40 | 1 30 | 15 59 | 1 4 | 17 30 | 1 0 | 14 6 | 2 18 | 23 20 | 0 27 | 5 36 | 1 16 | 3 15 | 16 8 | 13 14 | 12 50 | 6 37 | 17 7 | 3 27 | |
| T 15 | 19 30 | 9 9 | 1 21 | 23 21 | 0 17 | 12 13 | 1 29 | 15 44 | 1 4 | 17 32 | 1 0 | 14 7 | 2 18 | 23 20 | 0 27 | 5 36 | 1 16 | 3 14 | 16 8 | 13 14 | 12 51 | 6 39 | 17 8 | 3 28 | |
| F 16 | 19 16 | 5 19 | 2 25 | 23 21 | 0 25 | 11 45 | 1 27 | 15 28 | 1 4 | 17 34 | 1 0 | 14 8 | 2 19 | 23 20 | 0 27 | 5 35 | 1 16 | 3 14 | 16 8 | 13 14 | 12 52 | 6 41 | 17 8 | 3 28 | |
| S 17 | 19 1 | 1 20 | 3 20 | 23 21 | 0 33 | 11 16 | 1 26 | 15 13 | 1 3 | 17 35 | 1 0 | 14 8 | 2 19 | 23 21 | 0 27 | 5 34 | 1 16 | 3 13 | 16 7 | 13 13 | 12 53 | 6 43 | 17 9 | 3 29 | |
| S 18 | 18 46 | 2n38 | 4 7 | 23 19 | 0 40 | 10 48 | 1 25 | 14 57 | 1 3 | 17 37 | 1 0 | 14 9 | 2 19 | 23 21 | 0 27 | 5 33 | 1 16 | 3 13 | 16 7 | 13 13 | 12 54 | 6 45 | 17 9 | 3 29 | |
| M19 | 18 31 | 6 28 | 4 42 | 23 16 | 0 47 | 10 19 | 1 23 | 14 41 | 1 3 | 17 39 | 1 0 | 14 10 | 2 19 | 23 21 | 0 27 | 5 33 | 1 16 | 3 13 | 16 6 | 13 12 | 12 56 | 6 47 | 17 9 | 3 30 | |
| T 20 | 18 15 | 10 2 | 5 5 | 23 12 | 0 54 | 9 50 | 1 22 | 14 25 | 1 2 | 17 41 | 1 0 | 14 10 | 2 19 | 23 21 | 0 27 | 5 32 | 1 16 | 3 12 | 16 6 | 13 12 | 12 57 | 6 49 | 17 10 | 3 30 | |
| W21 | 17 59 | 13 14 | 5 16 | 23 6 | 1 0 | 9 21 | 1 20 | 14 9 | 1 2 | 17 43 | 1 1 | 14 11 | 2 20 | 23 21 | 0 27 | 5 31 | 1 16 | 3 12 | 16 6 | 13 12 | 12 58 | 6 51 | 17 10 | 3 31 | |
| T 22 | 17 43 | 15 55 | 5 12 | 22 59 | 1 7 | 8 51 | 1 18 | 13 52 | 1 2 | 17 44 | 1 1 | 14 11 | 2 20 | 23 22 | 0 27 | 5 30 | 1 16 | 3 11 | 16 5 | 13 13 | 12 59 | 6 53 | 17 10 | 3 32 | |
| F 23 | 17 26 | 17 56 | 4 55 | 22 51 | 1 13 | 8 21 | 1 16 | 13 36 | 1 1 | 17 46 | 1 1 | 14 12 | 2 20 | 23 22 | 0 27 | 5 30 | 1 16 | 3 11 | 16 5 | 13 13 | 13 0 | 6 55 | 17 11 | 3 32 | |
| S 24 | 17 10 | 19 8 | 4 22 | 22 42 | 1 19 | 7 51 | 1 15 | 13 19 | 1 1 | 17 47 | 1 1 | 14 12 | 2 20 | 23 22 | 0 27 | 5 29 | 1 16 | 3 10 | 16 5 | 13 14 | 13 1 | 6 57 | 17 11 | 3 33 | |
| S 25 | 16 52 | 19 24 | 3 36 | 22 31 | 1 24 | 7 21 | 1 13 | 13 2 | 1 1 | 17 49 | 1 1 | 14 12 | 2 20 | 23 22 | 0 27 | 5 28 | 1 16 | 3 10 | 16 4 | 13 15 | 13 2 | 6 59 | 17 11 | 3 33 | |
| M26 | 16 35 | 18 35 | 2 38 | 22 18 | 1 29 | 6 50 | 1 11 | 12 46 | 1 0 | 17 51 | 1 1 | 14 13 | 2 21 | 23 22 | 0 27 | 5 27 | 1 16 | 3 9 | 16 4 | 13 15 | 13 3 | 7 1 | 17 11 | 3 34 | |
| T 27 | 16 17 | 16 42 | 1 28 | 22 5 | 1 34 | 6 20 | 1 9 | 12 29 | 1 0 | 17 52 | 1 1 | 14 13 | 2 21 | 23 23 | 0 27 | 5 27 | 1 16 | 3 9 | 16 4 | 13 15 | 13 4 | 7 3 | 17 12 | 3 34 | |
| W28 | 15 59 | 13 49 | 0 13 | 21 50 | 1 39 | 5 49 | 1 6 | 12 11 | 1 0 | 17 53 | 1 1 | 14 14 | 2 21 | 23 23 | 0 27 | 5 26 | 1 16 | 3 9 | 16 3 | 13 16 | 13 5 | 7 5 | 17 12 | 3 35 | |
| T 29 | 15 41 | 10 4 | 1n 5 | 21 33 | 1 43 | 5 18 | 1 4 | 11 54 | 0 59 | 17 55 | 1 1 | 14 14 | 2 21 | 23 23 | 0 27 | 5 25 | 1 16 | 3 8 | 16 3 | 13 15 | 13 6 | 7 7 | 17 12 | 3 35 | |
| F 30 | 15 22 | 5 41 | 2 20 | 21 15 | 1 47 | 4 47 | 1 2 | 11 37 | 0 59 | 17 56 | 1 2 | 14 14 | 2 22 | 23 23 | 0 27 | 5 24 | 1 16 | 3 8 | 16 3 | 13 15 | 13 7 | 7 9 | 17 12 | 3 36 | |
| S 31 | 15s 3 | 0n59 | 3n27 | 20s56 | 1s51 | 4s16 | 1s 0 | 11s20 | 0s59 | 17s58 | 1n 2 | 14s14 | 2n22 | 23n23 | 0n27 | 5s23 | 1s16 | 3s 7 | 16s 2 | 13n15 | 13n 8 | 7n11 | 17s12 | 3n37 | |

Julian Day Number = 2219989.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'49, Lahiri = 15°00'49 Julian Calendar 1 Jan. 1366 == Greg. Calendar 9 Jan. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## FEBRUARY 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 15 52 | 20♒24'24 | 19♎53 | 6♒20 | 22♓47 | 3♓51 | 24♏35 | 15♏24 | 12°R16 | 19♓24 | 1♉15 | 24♌57 | 25♌13 | 0♉12 | 2♐37 | S 1 |
| M 2 | 9 19 48 | 21°24'53 | 4♏14 | 7°58 | 24° 0 | 4°38 | 24°40 | 15°25 | 12♋14 | 19°26 | 1°16 | 24°57 | 25°10 | 0°19 | 2°40 | M 2 |
| T 3 | 9 23 45 | 22°25'21 | 18°28 | 9°36 | 25°13 | 5°25 | 24°46 | 15°27 | 12°12 | 19°28 | 1°17 | 24°R57 | 25° 7 | 0°26 | 2°44 | T 3 |
| W 4 | 9 27 41 | 23°25'47 | 2♐34 | 11°16 | 26°26 | 6°12 | 24°51 | 15°28 | 12°11 | 19°30 | 1°17 | 24°57 | 25° 4 | 0°33 | 2°47 | W 4 |
| T 5 | 9 31 38 | 24°26'12 | 16°28 | 12°56 | 27°39 | 6°59 | 24°56 | 15°29 | 12° 9 | 19°32 | 1°18 | 24°D57 | 25° 0 | 0°39 | 2°50 | T 5 |
| F 6 | 9 35 34 | 25°26'35 | 0♑12 | 14°37 | 28°52 | 7°46 | 25° 1 | 15°30 | 12° 7 | 19°34 | 1°18 | 24°57 | 24°57 | 0°46 | 2°53 | F 6 |
| S 7 | 9 39 31 | 26°26'58 | 13°42 | 16°20 | 0♈ 5 | 8°33 | 25° 5 | 15°31 | 12° 6 | 19°36 | 1°19 | 24°57 | 24°54 | 0°53 | 2°56 | S 7 |
| S 8 | 9 43 27 | 27°27'18 | 27° 0 | 18° 3 | 1°18 | 9°20 | 25°10 | 15°31 | 12° 4 | 19°38 | 1°20 | 24°57 | 24°51 | 0°59 | 2°58 | S 8 |
| M 9 | 9 47 24 | 28°27'37 | 10♒ 4 | 19°47 | 2°31 | 10° 7 | 25°14 | 15°32 | 12° 2 | 19°41 | 1°20 | 24°58 | 24°48 | 1° 6 | 3° 1 | M 9 |
| T 10 | 9 51 21 | 29°27'54 | 22°55 | 21°33 | 3°43 | 10°54 | 25°18 | 15°32 | 12° 1 | 19°43 | 1°21 | 24°R58 | 24°45 | 1°13 | 3° 4 | T 10 |
| W11 | 9 55 17 | 0♓28'10 | 5♓33 | 23°19 | 4°56 | 11°41 | 25°22 | 15°33 | 11°59 | 19°45 | 1°22 | 24°58 | 24°41 | 1°20 | 3° 6 | W11 |
| T 12 | 9 59 14 | 1°28'23 | 17°58 | 25° 6 | 6° 9 | 12°28 | 25°26 | 15°33 | 11°58 | 19°47 | 1°23 | 24°57 | 24°38 | 1°26 | 3° 8 | T 12 |
| F 13 | 10 3 10 | 2°28'35 | 0♈12 | 26°55 | 7°21 | 13°15 | 25°30 | 15°33 | 11°56 | 19°49 | 1°23 | 24°57 | 24°35 | 1°33 | 3°11 | F 13 |
| S 14 | 10 7 7 | 3°28'44 | 12°16 | 28°44 | 8°34 | 14° 1 | 25°33 | 15°34 | 11°55 | 19°51 | 1°24 | 24°55 | 24°32 | 1°40 | 3°13 | S 14 |
| S 15 | 10 11 3 | 4°28'52 | 24°12 | 0♓34 | 9°46 | 14°48 | 25°37 | 15°R34 | 11°54 | 19°54 | 1°25 | 24°54 | 24°29 | 1°46 | 3°15 | S 15 |
| M16 | 10 15 0 | 5°28'57 | 6♉ 4 | 2°26 | 10°58 | 15°35 | 25°40 | 15°34 | 11°53 | 19°56 | 1°26 | 24°53 | 24°25 | 1°53 | 3°17 | M16 |
| T 17 | 10 18 56 | 6°29'01 | 17°56 | 4°19 | 12°10 | 16°22 | 25°43 | 15°33 | 11°51 | 19°58 | 1°27 | 24°52 | 24°22 | 2° 0 | 3°19 | T 17 |
| W18 | 10 22 53 | 7°29'02 | 29°51 | 6°12 | 13°22 | 17° 8 | 25°46 | 15°33 | 11°50 | 20° 0 | 1°27 | 24°51 | 24°19 | 2° 7 | 3°20 | W18 |
| T 19 | 10 26 49 | 8°29'01 | 11♊55 | 8° 7 | 14°34 | 17°55 | 25°48 | 15°33 | 11°49 | 20° 3 | 1°28 | 24°D51 | 24°16 | 2°13 | 3°22 | T 19 |
| F 20 | 10 30 46 | 9°28'58 | 24°11 | 10° 2 | 15°46 | 18°42 | 25°50 | 15°32 | 11°48 | 20° 5 | 1°29 | 24°51 | 24°13 | 2°20 | 3°24 | F 20 |
| S 21 | 10 34 43 | 10°28'53 | 6♋45 | 11°58 | 16°58 | 19°28 | 25°53 | 15°32 | 11°47 | 20° 7 | 1°30 | 24°52 | 24°10 | 2°27 | 3°25 | S 21 |
| S 22 | 10 38 39 | 11°28'46 | 19°40 | 13°55 | 18°10 | 20°15 | 25°55 | 15°31 | 11°46 | 20° 9 | 1°31 | 24°54 | 24° 6 | 2°33 | 3°26 | S 22 |
| M23 | 10 42 36 | 12°28'36 | 2♌59 | 15°53 | 19°21 | 21° 1 | 25°57 | 15°30 | 11°45 | 20°12 | 1°32 | 24°55 | 24° 3 | 2°40 | 3°28 | M23 |
| T 24 | 10 46 32 | 13°28'24 | 16°43 | 17°51 | 20°33 | 21°48 | 25°58 | 15°29 | 11°44 | 20°14 | 1°33 | 24°56 | 24° 0 | 2°47 | 3°29 | T 24 |
| W25 | 10 50 29 | 14°28'10 | 0♍52 | 19°50 | 21°44 | 22°34 | 26° 0 | 15°28 | 11°43 | 20°16 | 1°34 | 24°R56 | 23°57 | 2°54 | 3°30 | W25 |
| T 26 | 10 54 25 | 15°27'54 | 15°21 | 21°49 | 22°55 | 23°21 | 26° 1 | 15°27 | 11°43 | 20°18 | 1°35 | 24°55 | 23°54 | 3° 0 | 3°31 | T 26 |
| F 27 | 10 58 22 | 16°27'35 | 0♎ 5 | 23°48 | 24° 7 | 24° 7 | 26° 2 | 15°26 | 11°42 | 20°21 | 1°36 | 24°53 | 23°51 | 3° 7 | 3°32 | F 27 |
| S 28 | 11 2 18 | 17♓27'15 | 14♎58 | 25♓47 | 25♈18 | 24♓53 | 26♏ 3 | 15♏25 | 11♋41 | 20♓23 | 1♉37 | 24♌50 | 23♌47 | 3♉14 | 3♐32 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s44 | 3s47 | 4n20 | 20s35 | 1s54 | 3s45 | 0s57 | 11s 2 | 0s58 | 17s59 | 1n 2 | 14s15 | 2n22 | 23n23 | 0n27 | 5s23 | 1s16 | 3s 7 | 16s 2 | 13n15 | 13n 9 | 7n13 | 17s12 | 3n37 |
| M 2 | 14 25 | 8 19 | 4 57 | 20 13 | 1 57 | 3 14 | 0 55 | 10 44 | 0 58 | 18 0 | 1 2 | 14 15 | 2 22 | 23 24 | 0 27 | 5 22 | 1 16 | 3 6 | 16 2 | 13 15 | 13 11 | 7 15 | 17 12 | 3 38 |
| T 3 | 14 5 | 12 20 | 5 15 | 19 49 | 1 59 | 2 42 | 0 52 | 10 27 | 0 57 | 18 1 | 1 2 | 14 15 | 2 22 | 23 24 | 0 27 | 5 21 | 1 16 | 3 6 | 16 1 | 13 15 | 13 12 | 7 17 | 17 12 | 3 38 |
| W 4 | 13 45 | 15 36 | 5 15 | 19 24 | 2 2 | 2 11 | 0 50 | 10 9 | 0 57 | 18 2 | 1 2 | 14 15 | 2 23 | 23 24 | 0 27 | 5 20 | 1 16 | 3 5 | 16 1 | 13 15 | 13 13 | 7 19 | 17 12 | 3 39 |
| T 5 | 13 25 | 17 56 | 4 55 | 18 58 | 2 3 | 1 39 | 0 47 | 9 51 | 0 57 | 18 3 | 1 2 | 14 15 | 2 23 | 23 24 | 0 26 | 5 19 | 1 16 | 3 5 | 16 1 | 13 15 | 13 14 | 7 21 | 17 12 | 3 39 |
| F 6 | 13 5 | 19 12 | 4 19 | 18 29 | 2 5 | 1 8 | 0 44 | 9 33 | 0 56 | 18 4 | 1 2 | 14 15 | 2 23 | 23 24 | 0 26 | 5 18 | 1 16 | 3 4 | 16 0 | 13 15 | 13 15 | 7 23 | 17 12 | 3 40 |
| S 7 | 12 44 | 19 20 | 3 30 | 18 0 | 2 6 | 0 36 | 0 41 | 9 15 | 0 56 | 18 6 | 1 2 | 14 15 | 2 23 | 23 24 | 0 26 | 5 18 | 1 16 | 3 4 | 16 0 | 13 15 | 13 16 | 7 25 | 17 12 | 3 41 |
| S 8 | 12 24 | 18 23 | 2 29 | 17 29 | 2 7 | 0 4 | 0 39 | 8 57 | 0 55 | 18 6 | 1 3 | 14 15 | 2 23 | 23 25 | 0 26 | 5 17 | 1 16 | 3 3 | 16 0 | 13 15 | 13 17 | 7 27 | 17 12 | 3 41 |
| M 9 | 12 3 | 16 28 | 1 22 | 16 56 | 2 7 | 0n27 | 0 36 | 8 39 | 0 55 | 18 7 | 1 3 | 14 15 | 2 24 | 23 25 | 0 26 | 5 16 | 1 16 | 3 3 | 15 59 | 13 15 | 13 18 | 7 29 | 17 12 | 3 42 |
| T 10 | 11 42 | 13 45 | 0 11 | 16 22 | 2 7 | 0 59 | 0 33 | 8 21 | 0 54 | 18 8 | 1 3 | 14 15 | 2 24 | 23 25 | 0 26 | 5 15 | 1 16 | 3 2 | 15 59 | 13 15 | 13 19 | 7 30 | 17 12 | 3 42 |
| W11 | 11 21 | 10 25 | 0s58 | 15 46 | 2 6 | 1 31 | 0 30 | 8 2 | 0 54 | 18 9 | 1 3 | 14 15 | 2 24 | 23 25 | 0 26 | 5 14 | 1 16 | 3 1 | 15 59 | 13 15 | 13 20 | 7 32 | 17 12 | 3 43 |
| T 12 | 10 59 | 6 40 | 2 4 | 15 9 | 2 5 | 2 2 | 0 27 | 7 44 | 0 54 | 18 10 | 1 3 | 14 15 | 2 24 | 23 25 | 0 26 | 5 13 | 1 16 | 3 1 | 15 59 | 13 15 | 13 21 | 7 34 | 17 12 | 3 43 |
| F 13 | 10 38 | 2 43 | 3 3 | 14 31 | 2 3 | 2 34 | 0 24 | 7 25 | 0 53 | 18 11 | 1 3 | 14 15 | 2 24 | 23 25 | 0 26 | 5 12 | 1 16 | 3 0 | 15 58 | 13 15 | 13 22 | 7 36 | 17 12 | 3 44 |
| S 14 | 10 16 | 1n17 | 3 53 | 13 50 | 2 1 | 3 5 | 0 21 | 7 7 | 0 53 | 18 11 | 1 3 | 14 15 | 2 25 | 23 25 | 0 26 | 5 12 | 1 16 | 3 0 | 15 58 | 13 15 | 13 23 | 7 38 | 17 12 | 3 45 |
| S 15 | 9 54 | 5 12 | 4 32 | 13 9 | 1 58 | 3 37 | 0 18 | 6 48 | 0 52 | 18 12 | 1 3 | 14 15 | 2 25 | 23 25 | 0 26 | 5 11 | 1 16 | 2 59 | 15 58 | 13 16 | 13 24 | 7 40 | 17 11 | 3 45 |
| M16 | 9 32 | 8 52 | 5 0 | 12 26 | 1 55 | 4 8 | 0 14 | 6 30 | 0 52 | 18 13 | 1 4 | 14 14 | 2 25 | 23 25 | 0 26 | 5 10 | 1 16 | 2 59 | 15 57 | 13 16 | 13 25 | 7 42 | 17 11 | 3 46 |
| T 17 | 9 10 | 12 12 | 5 14 | 11 41 | 1 51 | 4 39 | 0 11 | 6 11 | 0 51 | 18 13 | 1 4 | 14 14 | 2 25 | 23 26 | 0 26 | 5 9 | 1 16 | 2 58 | 15 57 | 13 17 | 13 27 | 7 44 | 17 11 | 3 46 |
| W18 | 8 47 | 15 3 | 5 15 | 10 56 | 1 47 | 5 11 | 0 8 | 5 53 | 0 51 | 18 14 | 1 4 | 14 14 | 2 26 | 23 26 | 0 26 | 5 8 | 1 16 | 2 58 | 15 57 | 13 17 | 13 28 | 7 46 | 17 11 | 3 47 |
| T 19 | 8 25 | 17 18 | 5 3 | 10 8 | 1 42 | 5 42 | 0 4 | 5 34 | 0 50 | 18 14 | 1 4 | 14 14 | 2 26 | 23 26 | 0 26 | 5 7 | 1 16 | 2 57 | 15 56 | 13 17 | 13 29 | 7 48 | 17 10 | 3 48 |
| F 20 | 8 2 | 18 48 | 4 36 | 9 20 | 1 37 | 6 13 | 0 1 | 5 15 | 0 50 | 18 15 | 1 4 | 14 13 | 2 26 | 23 26 | 0 26 | 5 6 | 1 16 | 2 57 | 15 56 | 13 17 | 13 30 | 7 50 | 17 10 | 3 48 |
| S 21 | 7 40 | 19 25 | 3 56 | 8 30 | 1 31 | 6 43 | 0n 2 | 4 56 | 0 49 | 18 15 | 1 4 | 14 13 | 2 26 | 23 26 | 0 26 | 5 5 | 1 16 | 2 56 | 15 56 | 13 17 | 13 31 | 7 52 | 17 10 | 3 49 |
| S 22 | 7 17 | 19 3 | 3 3 | 7 39 | 1 25 | 7 14 | 0 6 | 4 38 | 0 49 | 18 16 | 1 4 | 14 12 | 2 26 | 23 26 | 0 26 | 5 5 | 1 16 | 2 55 | 15 56 | 13 16 | 13 32 | 7 54 | 17 9 | 3 50 |
| M23 | 6 54 | 17 38 | 1 58 | 6 47 | 1 18 | 7 45 | 0 9 | 4 19 | 0 48 | 18 16 | 1 4 | 14 12 | 2 27 | 23 26 | 0 26 | 5 4 | 1 16 | 2 55 | 15 55 | 13 16 | 13 33 | 7 56 | 17 9 | 3 50 |
| T 24 | 6 31 | 15 10 | 0 45 | 5 53 | 1 10 | 8 15 | 0 13 | 4 0 | 0 48 | 18 16 | 1 4 | 14 12 | 2 27 | 23 26 | 0 26 | 5 3 | 1 16 | 2 54 | 15 55 | 13 15 | 13 34 | 7 58 | 17 9 | 3 51 |
| W25 | 6 8 | 11 43 | 0n33 | 4 59 | 1 2 | 8 45 | 0 16 | 3 41 | 0 47 | 18 16 | 1 5 | 14 11 | 2 27 | 23 26 | 0 26 | 5 2 | 1 16 | 2 54 | 15 55 | 13 15 | 13 35 | 8 0 | 17 8 | 3 51 |
| T 26 | 5 45 | 7 29 | 1 50 | 4 4 | 0 53 | 9 15 | 0 20 | 3 22 | 0 47 | 18 17 | 1 5 | 14 11 | 2 27 | 23 26 | 0 26 | 5 1 | 1 16 | 2 53 | 15 55 | 13 16 | 13 36 | 8 2 | 17 8 | 3 52 |
| F 27 | 5 22 | 2 45 | 3 2 | 3 8 | 0 44 | 9 45 | 0 23 | 3 3 | 0 46 | 18 17 | 1 5 | 14 10 | 2 27 | 23 26 | 0 26 | 5 0 | 1 16 | 2 53 | 15 54 | 13 16 | 13 37 | 8 4 | 17 7 | 3 53 |
| S 28 | 4s58 | 2s12 | 4n 2 | 2s12 | 0s34 | 10n14 | 0n27 | 2s44 | 0s46 | 18s17 | 1n 5 | 14s10 | 2n28 | 23n26 | 0n26 | 4s59 | 1s16 | 2s52 | 15s54 | 13n17 | 13n38 | 8n 6 | 17s 7 | 3n53 |

Julian Day Number = 2220020.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'53, Lahiri = 15°00'53 Julian Calendar 1 Feb. 1366 == Greg. Calendar 9 Feb. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## MARCH 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 6 15 | 18♓26'53 | 29♎50 | 27♓46 | 26♈29 | 25♓40 | 26♏ 4 | 15°R23 | 11°R41 | 20♓25 | 1♉38 | 24°R47 | 23♌44 | 3♉20 | 3♐33 | S 1 |
| M 2 | 11 10 12 | 19°26'29 | 14♏34 | 29°43 | 27°40 | 26°26 | 26° 4 | 15♏22 | 11♋40 | 20°27 | 1°39 | 24♌44 | 23°41 | 3°27 | 3°34 | M 2 |
| T 3 | 11 14 8 | 20°26'04 | 29° 4 | 1♈40 | 28°51 | 27°12 | 26° 5 | 15°20 | 11°40 | 20°30 | 1°40 | 24°41 | 23°38 | 3°34 | 3°34 | T 3 |
| W 4 | 11 18 5 | 21°25'36 | 13♐16 | 3°35 | 0♉ 1 | 27°58 | 26°R 5 | 15°19 | 11°39 | 20°32 | 1°41 | 24°40 | 23°35 | 3°41 | 3°34 | W 4 |
| T 5 | 11 22 1 | 22°25'07 | 27° 8 | 5°28 | 1°12 | 28°45 | 26° 5 | 15°17 | 11°39 | 20°34 | 1°42 | 24°D40 | 23°31 | 3°47 | 3°35 | T 5 |
| F 6 | 11 25 58 | 23°24'36 | 10♑40 | 7°19 | 2°22 | 29°31 | 26° 5 | 15°15 | 11°38 | 20°37 | 1°43 | 24°41 | 23°28 | 3°54 | 3°35 | F 6 |
| S 7 | 11 29 54 | 24°24'04 | 23°54 | 9° 7 | 3°33 | 0♈17 | 26° 4 | 15°13 | 11°38 | 20°39 | 1°44 | 24°42 | 23°25 | 4° 1 | 3°R35 | S 7 |
| S 8 | 11 33 51 | 25°23'30 | 6♒51 | 10°52 | 4°43 | 1° 3 | 26° 4 | 15°11 | 11°38 | 20°41 | 1°46 | 24°44 | 23°22 | 4° 7 | 3°35 | S 8 |
| M 9 | 11 37 47 | 26°22'53 | 19°34 | 12°34 | 5°53 | 1°49 | 26° 3 | 15° 9 | 11°38 | 20°43 | 1°47 | 24°R45 | 23°19 | 4°14 | 3°34 | M 9 |
| T 10 | 11 41 44 | 27°22'15 | 2♓ 5 | 14°12 | 7° 3 | 2°35 | 26° 2 | 15° 7 | 11°38 | 20°46 | 1°48 | 24°45 | 23°16 | 4°21 | 3°34 | T 10 |
| W11 | 11 45 41 | 28°21'35 | 14°25 | 15°45 | 8°13 | 3°21 | 26° 1 | 15° 5 | 11°38 | 20°48 | 1°49 | 24°43 | 23°12 | 4°28 | 3°34 | W11 |
| T 12 | 11 49 37 | 29°20'52 | 26°37 | 17°13 | 9°23 | 4° 7 | 26° 0 | 15° 2 | 11°D38 | 20°50 | 1°50 | 24°40 | 23° 9 | 4°34 | 3°33 | T 12 |
| F 13 | 11 53 34 | 0♈20'08 | 8♈41 | 18°36 | 10°32 | 4°52 | 25°58 | 15° 0 | 11°38 | 20°52 | 1°51 | 24°34 | 23° 6 | 4°41 | 3°33 | F 13 |
| S 14 | 11 57 30 | 1°19'22 | 20°39 | 19°54 | 11°42 | 5°38 | 25°56 | 14°57 | 11°38 | 20°55 | 1°53 | 24°28 | 23° 3 | 4°48 | 3°32 | S 14 |
| S 15 | 12 1 27 | 2°18'33 | 2♉33 | 21° 6 | 12°51 | 6°24 | 25°54 | 14°55 | 11°38 | 20°57 | 1°54 | 24°21 | 23° 0 | 4°54 | 3°31 | S 15 |
| M16 | 12 5 23 | 3°17'42 | 14°25 | 22°12 | 14° 0 | 7°10 | 25°52 | 14°52 | 11°38 | 20°59 | 1°55 | 24°14 | 22°56 | 5° 1 | 3°30 | M16 |
| T 17 | 12 9 20 | 4°16'49 | 26°16 | 23°12 | 15°10 | 7°55 | 25°50 | 14°49 | 11°38 | 21° 1 | 1°56 | 24° 7 | 22°53 | 5° 8 | 3°29 | T 17 |
| W18 | 12 13 16 | 5°15'54 | 8♊11 | 24° 6 | 16°19 | 8°41 | 25°48 | 14°46 | 11°39 | 21° 4 | 1°57 | 24° 2 | 22°50 | 5°15 | 3°28 | W18 |
| T 19 | 12 17 13 | 6°14'57 | 20°13 | 24°53 | 17°27 | 9°26 | 25°45 | 14°43 | 11°39 | 21° 6 | 1°59 | 23°59 | 22°47 | 5°21 | 3°27 | T 19 |
| F 20 | 12 21 9 | 7°13'57 | 2♋26 | 25°33 | 18°36 | 10°12 | 25°42 | 14°40 | 11°39 | 21° 8 | 2° 0 | 23°D57 | 22°44 | 5°28 | 3°26 | F 20 |
| S 21 | 12 25 6 | 8°12'55 | 14°55 | 26° 6 | 19°45 | 10°57 | 25°39 | 14°37 | 11°40 | 21°10 | 2° 1 | 23°57 | 22°41 | 5°35 | 3°24 | S 21 |
| S 22 | 12 29 3 | 9°11'50 | 27°45 | 26°33 | 20°53 | 11°43 | 25°36 | 14°34 | 11°40 | 21°12 | 2° 2 | 23°58 | 22°37 | 5°41 | 3°23 | S 22 |
| M23 | 12 32 59 | 10°10'43 | 10♌59 | 26°53 | 22° 1 | 12°28 | 25°33 | 14°31 | 11°41 | 21°15 | 2° 4 | 24° 0 | 22°34 | 5°48 | 3°21 | M23 |
| T 24 | 12 36 56 | 11° 9'34 | 24°40 | 27° 6 | 23° 9 | 13°14 | 25°29 | 14°27 | 11°42 | 21°17 | 2° 5 | 24°R 0 | 22°31 | 5°55 | 3°20 | T 24 |
| W25 | 12 40 52 | 12° 8'23 | 8♍50 | 27°13 | 24°17 | 13°59 | 25°26 | 14°24 | 11°42 | 21°19 | 2° 6 | 23°59 | 22°28 | 6° 2 | 3°18 | W25 |
| T 26 | 12 44 49 | 13° 7'09 | 23°26 | 27°R13 | 25°25 | 14°44 | 25°22 | 14°21 | 11°43 | 21°21 | 2° 8 | 23°56 | 22°25 | 6° 8 | 3°16 | T 26 |
| F 27 | 12 48 45 | 14° 5'53 | 8♎23 | 27° 7 | 26°32 | 15°29 | 25°18 | 14°17 | 11°44 | 21°23 | 2° 9 | 23°51 | 22°22 | 6°15 | 3°14 | F 27 |
| S 28 | 12 52 42 | 15° 4'36 | 23°34 | 26°55 | 27°39 | 16°14 | 25°14 | 14°13 | 11°45 | 21°25 | 2°10 | 23°44 | 22°18 | 6°22 | 3°12 | S 28 |
| S 29 | 12 56 38 | 16° 3'16 | 8♏48 | 26°37 | 28°47 | 16°59 | 25° 9 | 14°10 | 11°45 | 21°27 | 2°11 | 23°36 | 22°15 | 6°28 | 3°10 | S 29 |
| M30 | 13 0 35 | 17° 1'54 | 23°55 | 26°15 | 29°54 | 17°44 | 25° 5 | 14° 6 | 11°46 | 21°29 | 2°13 | 23°29 | 22°12 | 6°35 | 3° 8 | M30 |
| T 31 | 13 4 32 | 18♈ 0'31 | 8♐44 | 25♈47 | 1♊ 0 | 18♈29 | 25♏ 0 | 14♏ 2 | 11♋47 | 21♓32 | 2♉14 | 23♌22 | 22♌ 9 | 6♉42 | 3♐ 6 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s35 | 7s 0 | 4n45 | 1s15 | 0s24 | 10n44 | 0n31 | 2s25 | 0s45 | 18s17 | 1n 5 | 14s 9 | 2n28 | 23n26 | 0n26 | 4s58 | 1s16 | 2s52 | 15s54 | 13n18 | 13n39 | 8n 8 | 17s 6 | 3n54 |
| M 2 | 4 12 | 11 20 | 5 9 | 0 19 | 0 13 | 11 13 | 0 34 | 2 7 | 0 45 | 18 17 | 1 5 | 14 8 | 2 28 | 23 26 | 0 26 | 4 57 | 1 16 | 2 51 | 15 54 | 13 19 | 13 40 | 8 10 | 17 6 | 3 54 |
| T 3 | 3 48 | 14 55 | 5 13 | 0n38 | 0 2 | 11 41 | 0 38 | 1 48 | 0 44 | 18 17 | 1 5 | 14 8 | 2 28 | 23 26 | 0 26 | 4 57 | 1 16 | 2 50 | 15 53 | 13 20 | 13 41 | 8 12 | 17 5 | 3 55 |
| W 4 | 3 25 | 17 32 | 4 58 | 1 35 | 0n10 | 12 10 | 0 42 | 1 29 | 0 44 | 18 17 | 1 5 | 14 7 | 2 28 | 23 26 | 0 26 | 4 56 | 1 16 | 2 50 | 15 53 | 13 21 | 13 42 | 8 14 | 17 5 | 3 56 |
| T 5 | 3 1 | 19 4 | 4 25 | 2 31 | 0 22 | 12 38 | 0 45 | 1 10 | 0 43 | 18 17 | 1 6 | 14 6 | 2 28 | 23 26 | 0 26 | 4 55 | 1 16 | 2 49 | 15 53 | 13 21 | 13 43 | 8 16 | 17 4 | 3 56 |
| F 6 | 2 37 | 19 28 | 3 39 | 3 26 | 0 34 | 13 6 | 0 49 | 0 51 | 0 43 | 18 16 | 1 6 | 14 6 | 2 29 | 23 27 | 0 26 | 4 54 | 1 16 | 2 49 | 15 53 | 13 20 | 13 44 | 8 18 | 17 4 | 3 57 |
| S 7 | 2 14 | 18 45 | 2 41 | 4 20 | 0 46 | 13 34 | 0 53 | 0 32 | 0 42 | 18 16 | 1 6 | 14 5 | 2 29 | 23 27 | 0 26 | 4 53 | 1 16 | 2 48 | 15 52 | 13 20 | 13 46 | 8 20 | 17 3 | 3 57 |
| S 8 | 1 50 | 17 4 | 1 37 | 5 13 | 0 58 | 14 1 | 0 56 | 0 13 | 0 42 | 18 16 | 1 6 | 14 4 | 2 29 | 23 27 | 0 26 | 4 52 | 1 16 | 2 48 | 15 52 | 13 19 | 13 47 | 8 22 | 17 2 | 3 58 |
| M 9 | 1 27 | 14 33 | 0 28 | 6 4 | 1 11 | 14 28 | 1 0 | 0n 6 | 0 41 | 18 16 | 1 6 | 14 3 | 2 29 | 23 27 | 0 26 | 4 51 | 1 16 | 2 47 | 15 52 | 13 19 | 13 48 | 8 24 | 17 2 | 3 59 |
| T 10 | 1 3 | 11 24 | 0s40 | 6 53 | 1 23 | 14 55 | 1 4 | 0 25 | 0 41 | 18 15 | 1 6 | 14 3 | 2 29 | 23 27 | 0 26 | 4 50 | 1 16 | 2 46 | 15 52 | 13 19 | 13 49 | 8 25 | 17 1 | 3 59 |
| W11 | 0 39 | 7 46 | 1 45 | 7 41 | 1 35 | 15 21 | 1 7 | 0 43 | 0 40 | 18 15 | 1 6 | 14 2 | 2 30 | 23 27 | 0 26 | 4 49 | 1 16 | 2 46 | 15 52 | 13 20 | 13 50 | 8 27 | 17 1 | 4 0 |
| T 12 | 0 16 | 3 52 | 2 45 | 8 26 | 1 47 | 15 47 | 1 11 | 1 2 | 0 40 | 18 15 | 1 6 | 14 1 | 2 30 | 23 27 | 0 26 | 4 49 | 1 16 | 2 45 | 15 51 | 13 21 | 13 51 | 8 29 | 17 0 | 4 1 |
| F 13 | 0n 8 | 0n 8 | 3 37 | 9 8 | 1 58 | 16 13 | 1 15 | 1 21 | 0 39 | 18 14 | 1 6 | 14 0 | 2 30 | 23 26 | 0 26 | 4 48 | 1 16 | 2 45 | 15 51 | 13 23 | 13 52 | 8 31 | 16 59 | 4 1 |
| S 14 | 0 32 | 4 6 | 4 18 | 9 48 | 2 9 | 16 38 | 1 18 | 1 40 | 0 38 | 18 14 | 1 7 | 13 59 | 2 30 | 23 26 | 0 26 | 4 47 | 1 16 | 2 44 | 15 51 | 13 25 | 13 53 | 8 33 | 16 58 | 4 2 |
| S 15 | 0 55 | 7 54 | 4 48 | 10 25 | 2 19 | 17 3 | 1 22 | 1 58 | 0 38 | 18 13 | 1 7 | 13 58 | 2 30 | 23 26 | 0 26 | 4 46 | 1 16 | 2 44 | 15 51 | 13 27 | 13 54 | 8 35 | 16 58 | 4 2 |
| M16 | 1 19 | 11 21 | 5 5 | 10 59 | 2 29 | 17 28 | 1 26 | 2 17 | 0 37 | 18 13 | 1 7 | 13 57 | 2 30 | 23 26 | 0 26 | 4 45 | 1 16 | 2 43 | 15 51 | 13 29 | 13 55 | 8 37 | 16 57 | 4 3 |
| T 17 | 1 42 | 14 22 | 5 9 | 11 29 | 2 38 | 17 52 | 1 29 | 2 35 | 0 37 | 18 12 | 1 7 | 13 56 | 2 30 | 23 26 | 0 26 | 4 44 | 1 16 | 2 42 | 15 51 | 13 32 | 13 56 | 8 39 | 16 56 | 4 4 |
| W18 | 2 6 | 16 48 | 5 0 | 11 57 | 2 46 | 18 15 | 1 33 | 2 54 | 0 36 | 18 11 | 1 7 | 13 55 | 2 31 | 23 26 | 0 26 | 4 43 | 1 16 | 2 42 | 15 50 | 13 33 | 13 57 | 8 41 | 16 55 | 4 4 |
| T 19 | 2 29 | 18 32 | 4 38 | 12 21 | 2 53 | 18 38 | 1 37 | 3 13 | 0 36 | 18 11 | 1 7 | 13 54 | 2 31 | 23 26 | 0 26 | 4 42 | 1 16 | 2 41 | 15 50 | 13 34 | 13 58 | 8 43 | 16 55 | 4 5 |
| F 20 | 2 53 | 19 27 | 4 3 | 12 41 | 2 59 | 19 1 | 1 40 | 3 31 | 0 35 | 18 10 | 1 7 | 13 53 | 2 31 | 23 26 | 0 26 | 4 42 | 1 16 | 2 41 | 15 50 | 13 35 | 13 59 | 8 45 | 16 54 | 4 5 |
| S 21 | 3 16 | 19 27 | 3 15 | 12 58 | 3 4 | 19 24 | 1 44 | 3 49 | 0 34 | 18 9 | 1 7 | 13 52 | 2 31 | 23 26 | 0 26 | 4 41 | 1 16 | 2 40 | 15 50 | 13 35 | 14 0 | 8 47 | 16 53 | 4 6 |
| S 22 | 3 39 | 18 26 | 2 17 | 13 12 | 3 8 | 19 45 | 1 47 | 4 8 | 0 34 | 18 8 | 1 7 | 13 51 | 2 31 | 23 26 | 0 26 | 4 40 | 1 16 | 2 40 | 15 50 | 13 34 | 14 1 | 8 49 | 16 52 | 4 6 |
| M23 | 4 3 | 16 25 | 1 10 | 13 21 | 3 11 | 20 7 | 1 51 | 4 26 | 0 33 | 18 7 | 1 7 | 13 50 | 2 31 | 23 26 | 0 26 | 4 39 | 1 16 | 2 39 | 15 50 | 13 34 | 14 2 | 8 51 | 16 51 | 4 7 |
| T 24 | 4 26 | 13 24 | 0n 4 | 13 27 | 3 12 | 20 28 | 1 54 | 4 44 | 0 33 | 18 6 | 1 7 | 13 49 | 2 31 | 23 26 | 0 26 | 4 38 | 1 16 | 2 39 | 15 49 | 13 34 | 14 3 | 8 53 | 16 50 | 4 8 |
| W25 | 4 49 | 9 31 | 1 19 | 13 30 | 3 12 | 20 48 | 1 57 | 5 2 | 0 32 | 18 5 | 1 7 | 13 48 | 2 32 | 23 26 | 0 26 | 4 37 | 1 16 | 2 38 | 15 49 | 13 34 | 14 4 | 8 55 | 16 50 | 4 8 |
| T 26 | 5 12 | 4 56 | 2 32 | 13 28 | 3 10 | 21 8 | 2 1 | 5 20 | 0 31 | 18 4 | 1 8 | 13 47 | 2 32 | 23 26 | 0 26 | 4 37 | 1 16 | 2 37 | 15 49 | 13 35 | 14 5 | 8 57 | 16 49 | 4 9 |
| F 27 | 5 35 | 0s 2 | 3 36 | 13 23 | 3 7 | 21 27 | 2 4 | 5 38 | 0 31 | 18 3 | 1 8 | 13 46 | 2 32 | 23 26 | 0 26 | 4 36 | 1 16 | 2 37 | 15 49 | 13 37 | 14 6 | 8 59 | 16 48 | 4 9 |
| S 28 | 5 57 | 5 5 | 4 25 | 13 15 | 3 3 | 21 46 | 2 7 | 5 56 | 0 30 | 18 2 | 1 8 | 13 45 | 2 32 | 23 26 | 0 26 | 4 35 | 1 16 | 2 36 | 15 49 | 13 39 | 14 7 | 9 1 | 16 47 | 4 10 |
| S 29 | 6 20 | 9 48 | 4 56 | 13 3 | 2 57 | 22 5 | 2 11 | 6 14 | 0 30 | 18 1 | 1 8 | 13 43 | 2 32 | 23 26 | 0 26 | 4 34 | 1 16 | 2 36 | 15 49 | 13 42 | 14 8 | 9 3 | 16 46 | 4 10 |
| M30 | 6 43 | 13 52 | 5 6 | 12 47 | 2 49 | 22 22 | 2 14 | 6 32 | 0 29 | 18 0 | 1 8 | 13 42 | 2 32 | 23 25 | 0 26 | 4 33 | 1 16 | 2 35 | 15 49 | 13 44 | 14 9 | 9 5 | 16 45 | 4 11 |
| T 31 | 7n 5 | 16s58 | 4n55 | 12n29 | 2n41 | 22n40 | 2n17 | 6n50 | 0s29 | 17s59 | 1n 8 | 13s41 | 2n32 | 23n25 | 0n26 | 4s32 | 1s16 | 2s35 | 15s49 | 13n47 | 14n10 | 9n 6 | 16s44 | 4n12 |

Julian Day Number = 2220048.5, Delta T = 08m45s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°53'57, Lahiri = 15°00'57 Julian Calendar 1 March 1366 == Greg. Calendar 9 March 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## APRIL 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 8 28 | 18♈59'06 | 23♐10 | 25°R15 | 2♊ 7 | 19♈14 | 24°R55 | 13°R59 | 11♋48 | 21♓34 | 2♉15 | 23°R17 | 22♌ 6 | 6♉49 | 3°R 3 | W 1 |
| T 2 | 13 12 25 | 19°57'39 | 7♑10 | 24♈40 | 3°13 | 19°59 | 24♏50 | 13♏55 | 11°50 | 21°36 | 2°17 | 23♌14 | 22° 2 | 6°55 | 3♐ 1 | T 2 |
| F 3 | 13 16 21 | 20°56'11 | 20°44 | 24° 3 | 4°19 | 20°44 | 24°45 | 13°51 | 11°51 | 21°38 | 2°18 | 23°D14 | 21°59 | 7° 2 | 2°59 | F 3 |
| S 4 | 13 20 18 | 21°54'41 | 3♒53 | 23°23 | 5°25 | 21°29 | 24°40 | 13°47 | 11°52 | 21°40 | 2°19 | 23°14 | 21°56 | 7° 9 | 2°56 | S 4 |
| S 5 | 13 24 14 | 22°53'10 | 16°40 | 22°42 | 6°31 | 22°14 | 24°35 | 13°43 | 11°53 | 21°42 | 2°21 | 23°R15 | 21°53 | 7°15 | 2°53 | S 5 |
| M 6 | 13 28 11 | 23°51'36 | 29°11 | 22° 0 | 7°37 | 22°58 | 24°29 | 13°39 | 11°54 | 21°44 | 2°22 | 23°15 | 21°50 | 7°22 | 2°51 | M 6 |
| T 7 | 13 32 7 | 24°50'01 | 11♓29 | 21°19 | 8°42 | 23°43 | 24°24 | 13°35 | 11°56 | 21°46 | 2°23 | 23°13 | 21°47 | 7°29 | 2°48 | T 7 |
| W 8 | 13 36 4 | 25°48'25 | 23°37 | 20°39 | 9°47 | 24°27 | 24°18 | 13°31 | 11°57 | 21°48 | 2°25 | 23° 9 | 21°43 | 7°36 | 2°45 | W 8 |
| T 9 | 13 40 1 | 26°46'46 | 5♈37 | 20° 1 | 10°52 | 25°12 | 24°12 | 13°26 | 11°59 | 21°50 | 2°26 | 23° 2 | 21°40 | 7°42 | 2°42 | T 9 |
| F 10 | 13 43 57 | 27°45'06 | 17°33 | 19°24 | 11°56 | 25°56 | 24° 6 | 13°22 | 12° 0 | 21°52 | 2°28 | 22°53 | 21°37 | 7°49 | 2°39 | F 10 |
| S 11 | 13 47 54 | 28°43'24 | 29°27 | 18°51 | 13° 1 | 26°41 | 24° 0 | 13°18 | 12° 2 | 21°54 | 2°29 | 22°41 | 21°34 | 7°56 | 2°36 | S 11 |
| S 12 | 13 51 50 | 29°41'41 | 11♉19 | 18°21 | 14° 5 | 27°25 | 23°53 | 13°14 | 12° 3 | 21°55 | 2°30 | 22°29 | 21°31 | 8° 2 | 2°33 | S 12 |
| M13 | 13 55 47 | 0♉39'55 | 23°10 | 17°55 | 15° 9 | 28°10 | 23°47 | 13° 9 | 12° 5 | 21°57 | 2°32 | 22°16 | 21°27 | 8° 9 | 2°29 | M13 |
| T 14 | 13 59 43 | 1°38'08 | 5♊ 4 | 17°33 | 16°12 | 28°54 | 23°41 | 13° 5 | 12° 7 | 21°59 | 2°33 | 22° 4 | 21°24 | 8°16 | 2°26 | T 14 |
| W15 | 14 3 40 | 2°36'18 | 17° 2 | 17°15 | 17°16 | 29°38 | 23°34 | 13° 1 | 12° 8 | 22° 1 | 2°34 | 21°54 | 21°21 | 8°23 | 2°23 | W15 |
| T 16 | 14 7 36 | 3°34'27 | 29° 5 | 17° 2 | 18°19 | 0♉22 | 23°27 | 12°56 | 12°10 | 22° 3 | 2°36 | 21°47 | 21°18 | 8°29 | 2°19 | T 16 |
| F 17 | 14 11 33 | 4°32'34 | 11♋19 | 16°54 | 19°21 | 1° 6 | 23°20 | 12°52 | 12°12 | 22° 5 | 2°37 | 21°42 | 21°15 | 8°36 | 2°16 | F 17 |
| S 18 | 14 15 29 | 5°30'39 | 23°46 | 16°D50 | 20°24 | 1°50 | 23°14 | 12°48 | 12°14 | 22° 6 | 2°38 | 21°40 | 21°12 | 8°43 | 2°12 | S 18 |
| S 19 | 14 19 26 | 6°28'42 | 6♌32 | 16°51 | 21°26 | 2°35 | 23° 7 | 12°43 | 12°16 | 22° 8 | 2°40 | 21°D40 | 21° 8 | 8°50 | 2° 9 | S 19 |
| M20 | 14 23 23 | 7°26'43 | 19°39 | 16°57 | 22°28 | 3°18 | 23° 0 | 12°39 | 12°18 | 22°10 | 2°41 | 21°R40 | 21° 5 | 8°56 | 2° 5 | M20 |
| T 21 | 14 27 19 | 8°24'42 | 3♍13 | 17° 7 | 23°29 | 4° 2 | 22°52 | 12°34 | 12°20 | 22°12 | 2°43 | 21°39 | 21° 2 | 9° 3 | 2° 1 | T 21 |
| W22 | 14 31 16 | 9°22'39 | 17°14 | 17°22 | 24°30 | 4°46 | 22°45 | 12°30 | 12°22 | 22°13 | 2°44 | 21°38 | 20°59 | 9°10 | 1°58 | W22 |
| T 23 | 14 35 12 | 10°20'35 | 1♎44 | 17°42 | 25°31 | 5°30 | 22°38 | 12°25 | 12°24 | 22°15 | 2°45 | 21°33 | 20°56 | 9°16 | 1°54 | T 23 |
| F 24 | 14 39 9 | 11°18'28 | 16°39 | 18° 6 | 26°31 | 6°14 | 22°31 | 12°21 | 12°26 | 22°17 | 2°47 | 21°26 | 20°53 | 9°23 | 1°50 | F 24 |
| S 25 | 14 43 5 | 12°16'20 | 1♏52 | 18°34 | 27°31 | 6°57 | 22°23 | 12°16 | 12°28 | 22°18 | 2°48 | 21°17 | 20°49 | 9°30 | 1°46 | S 25 |
| S 26 | 14 47 2 | 13°14'10 | 17°13 | 19° 6 | 28°31 | 7°41 | 22°16 | 12°12 | 12°30 | 22°20 | 2°49 | 21° 6 | 20°46 | 9°37 | 1°42 | S 26 |
| M27 | 14 50 58 | 14°11'59 | 2♐29 | 19°43 | 29°30 | 8°25 | 22° 8 | 12° 7 | 12°33 | 22°21 | 2°51 | 20°56 | 20°43 | 9°43 | 1°38 | M27 |
| T 28 | 14 54 55 | 15° 9'46 | 17°31 | 20°23 | 0♋29 | 9° 8 | 22° 1 | 12° 3 | 12°35 | 22°23 | 2°52 | 20°46 | 20°40 | 9°50 | 1°34 | T 28 |
| W29 | 14 58 52 | 16° 7'32 | 2♑10 | 21° 7 | 1°27 | 9°52 | 21°53 | 11°58 | 12°37 | 22°25 | 2°53 | 20°39 | 20°37 | 9°57 | 1°30 | W29 |
| T 30 | 15 2 48 | 17♑ 5'17 | 16♑20 | 21♈54 | 2♋25 | 10♉35 | 21♏46 | 11♏54 | 12♋40 | 22♓26 | 2♉55 | 20♌34 | 20♌33 | 10♉ 3 | 1♐26 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n28 | 18s55 | 4n26 | 12n 8 | 2n30 | 22n56 | 2n20 | 7n 8 | 0s28 | 17s58 | 1n 8 | 13s40 | 2n32 | 23n25 | 0n26 | 4s32 | 1s16 | 2s34 | 15s49 | 13n48 | 14n12 | 9n 8 | 16s43 | 4n12 |
| T 2 | 7 50 | 19 39 | 3 41 | 11 44 | 2 19 | 23 12 | 2 23 | 7 25 | 0 27 | 17 57 | 1 8 | 13 39 | 2 32 | 23 25 | 0 26 | 4 31 | 1 17 | 2 34 | 15 48 | 13 49 | 14 13 | 9 10 | 16 42 | 4 13 |
| F 3 | 8 12 | 19 12 | 2 45 | 11 18 | 2 6 | 23 28 | 2 26 | 7 43 | 0 27 | 17 55 | 1 8 | 13 37 | 2 32 | 23 25 | 0 26 | 4 30 | 1 17 | 2 33 | 15 48 | 13 49 | 14 14 | 9 12 | 16 41 | 4 13 |
| S 4 | 8 34 | 17 42 | 1 42 | 10 51 | 1 52 | 23 43 | 2 29 | 8 0 | 0 26 | 17 54 | 1 8 | 13 36 | 2 32 | 23 25 | 0 26 | 4 29 | 1 17 | 2 33 | 15 48 | 13 49 | 14 15 | 9 14 | 16 40 | 4 14 |
| S 5 | 8 56 | 15 20 | 0 35 | 10 22 | 1 37 | 23 57 | 2 32 | 8 17 | 0 25 | 17 53 | 1 8 | 13 35 | 2 33 | 23 25 | 0 26 | 4 29 | 1 17 | 2 32 | 15 48 | 13 49 | 14 16 | 9 16 | 16 39 | 4 14 |
| M 6 | 9 17 | 12 17 | 0s32 | 9 52 | 1 22 | 24 11 | 2 34 | 8 34 | 0 25 | 17 51 | 1 8 | 13 34 | 2 33 | 23 25 | 0 26 | 4 28 | 1 17 | 2 32 | 15 48 | 13 49 | 14 17 | 9 18 | 16 38 | 4 15 |
| T 7 | 9 39 | 8 45 | 1 36 | 9 21 | 1 5 | 24 25 | 2 37 | 8 52 | 0 24 | 17 50 | 1 8 | 13 32 | 2 33 | 23 24 | 0 26 | 4 27 | 1 17 | 2 31 | 15 48 | 13 49 | 14 18 | 9 20 | 16 37 | 4 15 |
| W 8 | 10 0 | 4 55 | 2 35 | 8 50 | 0 49 | 24 37 | 2 40 | 9 9 | 0 24 | 17 48 | 1 8 | 13 31 | 2 33 | 23 24 | 0 26 | 4 26 | 1 17 | 2 31 | 15 48 | 13 51 | 14 19 | 9 22 | 16 36 | 4 16 |
| T 9 | 10 21 | 0 54 | 3 26 | 8 20 | 0 32 | 24 49 | 2 42 | 9 26 | 0 23 | 17 47 | 1 8 | 13 30 | 2 33 | 23 24 | 0 26 | 4 26 | 1 17 | 2 30 | 15 48 | 13 53 | 14 20 | 9 24 | 16 35 | 4 16 |
| F 10 | 10 43 | 3n 6 | 4 7 | 7 51 | 0 15 | 25 1 | 2 44 | 9 42 | 0 22 | 17 45 | 1 8 | 13 29 | 2 33 | 23 24 | 0 26 | 4 25 | 1 17 | 2 30 | 15 48 | 13 56 | 14 21 | 9 26 | 16 34 | 4 17 |
| S 11 | 11 3 | 6 59 | 4 38 | 7 22 | 0s 2 | 25 12 | 2 47 | 9 59 | 0 22 | 17 44 | 1 8 | 13 27 | 2 33 | 23 24 | 0 26 | 4 24 | 1 17 | 2 29 | 15 48 | 14 0 | 14 22 | 9 28 | 16 33 | 4 17 |
| S 12 | 11 24 | 10 35 | 4 56 | 6 56 | 0 19 | 25 22 | 2 49 | 10 16 | 0 21 | 17 42 | 1 8 | 13 26 | 2 33 | 23 24 | 0 26 | 4 23 | 1 17 | 2 29 | 15 48 | 14 4 | 14 23 | 9 30 | 16 32 | 4 18 |
| M13 | 11 45 | 13 46 | 5 2 | 6 31 | 0 35 | 25 32 | 2 51 | 10 32 | 0 21 | 17 41 | 1 8 | 13 25 | 2 33 | 23 24 | 0 26 | 4 23 | 1 17 | 2 28 | 15 48 | 14 8 | 14 24 | 9 32 | 16 30 | 4 18 |
| T 14 | 12 5 | 16 23 | 4 54 | 6 7 | 0 51 | 25 41 | 2 53 | 10 49 | 0 20 | 17 39 | 1 8 | 13 23 | 2 33 | 23 23 | 0 26 | 4 22 | 1 17 | 2 28 | 15 48 | 14 12 | 14 25 | 9 34 | 16 29 | 4 19 |
| W15 | 12 25 | 18 21 | 4 34 | 5 47 | 1 6 | 25 49 | 2 55 | 11 5 | 0 19 | 17 38 | 1 8 | 13 22 | 2 33 | 23 23 | 0 26 | 4 21 | 1 17 | 2 27 | 15 48 | 14 15 | 14 26 | 9 36 | 16 28 | 4 19 |
| T 16 | 12 45 | 19 30 | 4 1 | 5 28 | 1 21 | 25 57 | 2 57 | 11 21 | 0 19 | 17 36 | 1 8 | 13 21 | 2 33 | 23 23 | 0 26 | 4 21 | 1 17 | 2 27 | 15 48 | 14 18 | 14 27 | 9 38 | 16 27 | 4 20 |
| F 17 | 13 5 | 19 46 | 3 17 | 5 12 | 1 35 | 26 4 | 2 59 | 11 37 | 0 18 | 17 34 | 1 8 | 13 19 | 2 33 | 23 23 | 0 26 | 4 20 | 1 17 | 2 26 | 15 48 | 14 19 | 14 28 | 9 39 | 16 26 | 4 20 |
| S 18 | 13 24 | 19 5 | 2 22 | 4 58 | 1 48 | 26 10 | 3 1 | 11 53 | 0 17 | 17 32 | 1 8 | 13 18 | 2 33 | 23 23 | 0 26 | 4 19 | 1 17 | 2 26 | 15 48 | 14 20 | 14 29 | 9 41 | 16 25 | 4 20 |
| S 19 | 13 43 | 17 25 | 1 19 | 4 48 | 2 0 | 26 16 | 3 2 | 12 9 | 0 17 | 17 31 | 1 8 | 13 17 | 2 33 | 23 23 | 0 26 | 4 19 | 1 17 | 2 26 | 15 48 | 14 20 | 14 30 | 9 43 | 16 24 | 4 21 |
| M20 | 14 3 | 14 48 | 0 11 | 4 39 | 2 12 | 26 22 | 3 4 | 12 24 | 0 16 | 17 29 | 1 8 | 13 15 | 2 33 | 23 22 | 0 25 | 4 18 | 1 17 | 2 25 | 15 48 | 14 20 | 14 31 | 9 45 | 16 23 | 4 21 |
| T 21 | 14 21 | 11 18 | 1n 1 | 4 34 | 2 22 | 26 26 | 3 5 | 12 40 | 0 16 | 17 27 | 1 8 | 13 14 | 2 33 | 23 22 | 0 25 | 4 17 | 1 17 | 2 25 | 15 48 | 14 20 | 14 32 | 9 47 | 16 22 | 4 22 |
| W22 | 14 40 | 7 4 | 2 11 | 4 31 | 2 32 | 26 30 | 3 6 | 12 55 | 0 15 | 17 25 | 1 8 | 13 13 | 2 33 | 23 22 | 0 25 | 4 17 | 1 17 | 2 24 | 15 48 | 14 21 | 14 33 | 9 49 | 16 20 | 4 22 |
| T 23 | 14 58 | 2 17 | 3 15 | 4 30 | 2 40 | 26 34 | 3 7 | 13 11 | 0 14 | 17 24 | 1 8 | 13 11 | 2 33 | 23 22 | 0 25 | 4 16 | 1 17 | 2 24 | 15 48 | 14 22 | 14 34 | 9 51 | 16 19 | 4 23 |
| F 24 | 15 16 | 2s45 | 4 8 | 4 32 | 2 48 | 26 37 | 3 8 | 13 26 | 0 14 | 17 22 | 1 8 | 13 10 | 2 33 | 23 22 | 0 25 | 4 15 | 1 17 | 2 23 | 15 48 | 14 24 | 14 35 | 9 53 | 16 18 | 4 23 |
| S 25 | 15 34 | 7 43 | 4 44 | 4 36 | 2 55 | 26 39 | 3 9 | 13 41 | 0 13 | 17 20 | 1 8 | 13 9 | 2 33 | 23 21 | 0 25 | 4 15 | 1 17 | 2 23 | 15 48 | 14 27 | 14 36 | 9 55 | 16 17 | 4 23 |
| S 26 | 15 52 | 12 14 | 5 0 | 4 43 | 3 1 | 26 41 | 3 10 | 13 55 | 0 12 | 17 18 | 1 8 | 13 7 | 2 33 | 23 21 | 0 25 | 4 14 | 1 17 | 2 23 | 15 48 | 14 31 | 14 37 | 9 57 | 16 16 | 4 24 |
| M27 | 16 9 | 15 55 | 4 55 | 4 52 | 3 6 | 26 42 | 3 11 | 14 10 | 0 12 | 17 16 | 1 8 | 13 6 | 2 33 | 23 21 | 0 25 | 4 14 | 1 17 | 2 22 | 15 48 | 14 34 | 14 38 | 9 59 | 16 15 | 4 24 |
| T 28 | 16 26 | 18 28 | 4 29 | 5 3 | 3 10 | 26 42 | 3 11 | 14 25 | 0 11 | 17 14 | 1 8 | 13 5 | 2 33 | 23 21 | 0 25 | 4 13 | 1 17 | 2 22 | 15 48 | 14 37 | 14 39 | 10 1 | 16 14 | 4 24 |
| W29 | 16 43 | 19 44 | 3 46 | 5 16 | 3 14 | 26 42 | 3 11 | 14 39 | 0 10 | 17 13 | 1 8 | 13 3 | 2 33 | 23 20 | 0 25 | 4 12 | 1 17 | 2 21 | 15 48 | 14 39 | 14 40 | 10 3 | 16 12 | 4 25 |
| T 30 | 17n 0 | 19s42 | 2n50 | 5n32 | 3s16 | 26n41 | 3n11 | 14n54 | 0s10 | 17s11 | 1n 8 | 13s 2 | 2n33 | 23n20 | 0n25 | 4s12 | 1s17 | 2s21 | 15s48 | 14n41 | 14n41 | 10n 5 | 16s11 | 4n25 |

Julian Day Number = 2220079.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'01, Lahiri = 15°01'02 Julian Calendar 1 Apr. 1366 == Greg. Calendar 9 Apr. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## MAY 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 6 45 | 18♉ 3'01 | 0♒ 1 | 22♈45 | 3♋23 | 11♉18 | 21°R38 | 11°R50 | 12♋42 | 22♓28 | 2♉56 | 20°R32 | 20♌30 | 10♉10 | 1°R22 | F 1 |
| S 2 | 15 10 41 | 19° 0'44 | 13°13 | 23°39 | 4°20 | 12° 2 | 21♏31 | 11♏45 | 12°45 | 22°29 | 2°57 | 20♌31 | 20°27 | 10°17 | 1♐18 | S 2 |
| S 3 | 15 14 38 | 19°58'25 | 26° 1 | 24°37 | 5°17 | 12°45 | 21°23 | 11°41 | 12°47 | 22°30 | 2°59 | 20°31 | 20°24 | 10°24 | 1°14 | S 3 |
| M 4 | 15 18 34 | 20°56'06 | 8♓29 | 25°38 | 6°13 | 13°28 | 21°15 | 11°36 | 12°50 | 22°32 | 3° 0 | 20°31 | 20°21 | 10°30 | 1°10 | M 4 |
| T 5 | 15 22 31 | 21°53'45 | 20°42 | 26°42 | 7° 8 | 14°11 | 21° 8 | 11°32 | 12°52 | 22°33 | 3° 1 | 20°28 | 20°18 | 10°37 | 1° 6 | T 5 |
| W 6 | 15 26 27 | 22°51'24 | 2♈44 | 27°49 | 8° 3 | 14°55 | 21° 0 | 11°28 | 12°55 | 22°35 | 3° 3 | 20°24 | 20°14 | 10°44 | 1° 1 | W 6 |
| T 7 | 15 30 24 | 23°49'01 | 14°39 | 28°58 | 8°58 | 15°38 | 20°52 | 11°23 | 12°57 | 22°36 | 3° 4 | 20°16 | 20°11 | 10°50 | 0°57 | T 7 |
| F 8 | 15 34 21 | 24°46'37 | 26°31 | 0♉11 | 9°52 | 16°21 | 20°45 | 11°19 | 13° 0 | 22°37 | 3° 5 | 20° 6 | 20° 8 | 10°57 | 0°53 | F 8 |
| S 9 | 15 38 17 | 25°44'12 | 8♉22 | 1°26 | 10°45 | 17° 4 | 20°37 | 11°15 | 13° 3 | 22°38 | 3° 6 | 19°53 | 20° 5 | 11° 4 | 0°49 | S 9 |
| S 10 | 15 42 14 | 26°41'46 | 20°14 | 2°44 | 11°38 | 17°47 | 20°30 | 11°10 | 13° 6 | 22°40 | 3° 8 | 19°40 | 20° 2 | 11°11 | 0°44 | S 10 |
| M11 | 15 46 10 | 27°39'19 | 2♊ 9 | 4° 5 | 12°30 | 18°29 | 20°22 | 11° 6 | 13° 8 | 22°41 | 3° 9 | 19°26 | 19°59 | 11°17 | 0°40 | M11 |
| T 12 | 15 50 7 | 28°36'51 | 14° 8 | 5°29 | 13°22 | 19°12 | 20°15 | 11° 2 | 13°11 | 22°42 | 3°10 | 19°13 | 19°55 | 11°24 | 0°36 | T 12 |
| W13 | 15 54 3 | 29°34'22 | 26°12 | 6°55 | 14°13 | 19°55 | 20° 7 | 10°58 | 13°14 | 22°43 | 3°11 | 19° 2 | 19°52 | 11°31 | 0°32 | W13 |
| T 14 | 15 58 0 | 0♊31'51 | 8♋23 | 8°23 | 15° 3 | 20°38 | 20° 0 | 10°54 | 13°17 | 22°44 | 3°13 | 18°54 | 19°49 | 11°38 | 0°27 | T 14 |
| F 15 | 16 1 56 | 1°29'20 | 20°44 | 9°55 | 15°52 | 21°20 | 19°52 | 10°50 | 13°20 | 22°45 | 3°14 | 18°48 | 19°46 | 11°44 | 0°23 | F 15 |
| S 16 | 16 5 53 | 2°26'47 | 3♌16 | 11°28 | 16°41 | 22° 3 | 19°45 | 10°46 | 13°23 | 22°47 | 3°15 | 18°45 | 19°43 | 11°51 | 0°19 | S 16 |
| S 17 | 16 9 50 | 3°24'13 | 16° 4 | 13° 5 | 17°29 | 22°45 | 19°38 | 10°42 | 13°26 | 22°48 | 3°16 | 18°D45 | 19°39 | 11°58 | 0°15 | S 17 |
| M18 | 16 13 46 | 4°21'37 | 29°10 | 14°44 | 18°16 | 23°28 | 19°30 | 10°38 | 13°29 | 22°49 | 3°18 | 18°R45 | 19°36 | 12° 4 | 0°10 | M18 |
| T 19 | 16 17 43 | 5°19'01 | 12♍38 | 16°25 | 19° 2 | 24°10 | 19°23 | 10°34 | 13°32 | 22°50 | 3°19 | 18°45 | 19°33 | 12°11 | 0° 6 | T 19 |
| W20 | 16 21 39 | 6°16'23 | 26°31 | 18° 9 | 19°48 | 24°53 | 19°16 | 10°30 | 13°35 | 22°50 | 3°20 | 18°43 | 19°30 | 12°18 | 0° 2 | W20 |
| T 21 | 16 25 36 | 7°13'44 | 10♎49 | 19°55 | 20°32 | 25°35 | 19° 9 | 10°26 | 13°38 | 22°51 | 3°21 | 18°40 | 19°27 | 12°25 | 29♏58 | T 21 |
| F 22 | 16 29 32 | 8°11'03 | 25°31 | 21°44 | 21°16 | 26°17 | 19° 2 | 10°23 | 13°41 | 22°52 | 3°22 | 18°34 | 19°24 | 12°31 | 29°53 | F 22 |
| S 23 | 16 33 29 | 9° 8'22 | 10♏30 | 23°35 | 21°59 | 27° 0 | 18°56 | 10°19 | 13°44 | 22°53 | 3°23 | 18°26 | 19°20 | 12°38 | 29°49 | S 23 |
| S 24 | 16 37 25 | 10° 5'40 | 25°41 | 25°29 | 22°40 | 27°42 | 18°49 | 10°15 | 13°47 | 22°54 | 3°25 | 18°16 | 19°17 | 12°45 | 29°45 | S 24 |
| M25 | 16 41 22 | 11° 2'57 | 10♐51 | 27°25 | 23°21 | 28°24 | 18°42 | 10°12 | 13°51 | 22°55 | 3°26 | 18° 6 | 19°14 | 12°52 | 29°41 | M25 |
| T 26 | 16 45 19 | 12° 0'14 | 25°51 | 29°23 | 24° 0 | 29° 6 | 18°36 | 10° 8 | 13°54 | 22°56 | 3°27 | 17°58 | 19°11 | 12°58 | 29°37 | T 26 |
| W27 | 16 49 15 | 12°57'30 | 10♑31 | 1♊24 | 24°38 | 29°48 | 18°29 | 10° 5 | 13°57 | 22°56 | 3°28 | 17°51 | 19° 8 | 13° 5 | 29°33 | W27 |
| T 28 | 16 53 12 | 13°54'45 | 24°46 | 3°26 | 25°16 | 0♊30 | 18°23 | 10° 2 | 14° 0 | 22°57 | 3°29 | 17°47 | 19° 5 | 13°12 | 29°29 | T 28 |
| F 29 | 16 57 8 | 14°52'00 | 8♒32 | 5°31 | 25°51 | 1°12 | 18°17 | 9°58 | 14° 4 | 22°58 | 3°30 | 17°45 | 19° 1 | 13°18 | 29°25 | F 29 |
| S 30 | 17 1 5 | 15°49'15 | 21°50 | 7°37 | 26°26 | 1°54 | 18°11 | 9°55 | 14° 7 | 22°58 | 3°31 | 17°D44 | 18°58 | 13°25 | 29°21 | S 30 |
| S 31 | 17 5 1 | 16♊46'29 | 4♓43 | 9♊44 | 26♋59 | 2♊35 | 18♏ 5 | 9♏52 | 14♋10 | 22♓59 | 3♉32 | 17♌45 | 18♌55 | 13♉32 | 29♏17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 17n16 | 18s29 | 1n46 | 5n49 | 3s18 | 26n40 | 3n11 | 15n 8 | 0s 9 | 17s 9 | 1n 8 | 13s 1 | 2n33 | 23n20 | 0n25 | 4s11 | 1s18 | 2s21 | 15s48 | 14n42 | 14n42 | 10n 6 | 16s10 | 4n26 | F 1 |
| S 2 | 17 32 | 16 17 | 0 39 | 6 8 | 3 19 | 26 38 | 3 11 | 15 22 | 0 9 | 17 7 | 1 8 | 12 59 | 2 33 | 23 20 | 0 25 | 4 11 | 1 18 | 2 20 | 15 48 | 14 42 | 14 43 | 10 8 | 16 9 | 4 26 | S 2 |
| S 3 | 17 48 | 13 21 | 0s29 | 6 29 | 3 19 | 26 36 | 3 11 | 15 35 | 0 8 | 17 5 | 1 7 | 12 58 | 2 32 | 23 19 | 0 25 | 4 10 | 1 18 | 2 20 | 15 48 | 14 42 | 14 44 | 10 10 | 16 8 | 4 26 | S 3 |
| M 4 | 18 3 | 9 52 | 1 33 | 6 51 | 3 19 | 26 33 | 3 11 | 15 49 | 0 7 | 17 3 | 1 7 | 12 57 | 2 32 | 23 19 | 0 25 | 4 10 | 1 18 | 2 20 | 15 48 | 14 42 | 14 45 | 10 12 | 16 7 | 4 26 | M 4 |
| T 5 | 18 18 | 6 2 | 2 32 | 7 15 | 3 18 | 26 29 | 3 10 | 16 3 | 0 7 | 17 1 | 1 7 | 12 56 | 2 32 | 23 19 | 0 25 | 4 9 | 1 18 | 2 19 | 15 48 | 14 43 | 14 46 | 10 14 | 16 6 | 4 27 | T 5 |
| W 6 | 18 33 | 2 1 | 3 23 | 7 41 | 3 16 | 26 25 | 3 9 | 16 16 | 0 6 | 16 59 | 1 7 | 12 54 | 2 32 | 23 19 | 0 25 | 4 9 | 1 18 | 2 19 | 15 48 | 14 44 | 14 47 | 10 16 | 16 4 | 4 27 | W 6 |
| T 7 | 18 47 | 2n 2 | 4 5 | 8 8 | 3 14 | 26 21 | 3 8 | 16 29 | 0 5 | 16 57 | 1 7 | 12 53 | 2 32 | 23 18 | 0 25 | 4 8 | 1 18 | 2 19 | 15 49 | 14 47 | 14 48 | 10 18 | 16 3 | 4 27 | T 7 |
| F 8 | 19 2 | 5 59 | 4 35 | 8 36 | 3 10 | 26 16 | 3 7 | 16 42 | 0 5 | 16 55 | 1 7 | 12 52 | 2 32 | 23 18 | 0 25 | 4 8 | 1 18 | 2 18 | 15 49 | 14 50 | 14 49 | 10 20 | 16 2 | 4 28 | F 8 |
| S 9 | 19 15 | 9 42 | 4 54 | 9 6 | 3 7 | 26 10 | 3 6 | 16 55 | 0 4 | 16 54 | 1 7 | 12 51 | 2 32 | 23 18 | 0 25 | 4 7 | 1 18 | 2 18 | 15 49 | 14 54 | 14 50 | 10 22 | 16 1 | 4 28 | S 9 |
| S 10 | 19 29 | 13 3 | 5 0 | 9 37 | 3 2 | 26 4 | 3 4 | 17 8 | 0 3 | 16 52 | 1 7 | 12 50 | 2 32 | 23 18 | 0 25 | 4 7 | 1 18 | 2 18 | 15 49 | 14 58 | 14 51 | 10 24 | 16 0 | 4 28 | S 10 |
| M11 | 19 42 | 15 53 | 4 52 | 10 9 | 2 57 | 25 58 | 3 3 | 17 21 | 0 3 | 16 50 | 1 7 | 12 48 | 2 32 | 23 17 | 0 25 | 4 6 | 1 18 | 2 17 | 15 49 | 15 3 | 14 52 | 10 26 | 15 59 | 4 28 | M11 |
| T 12 | 19 55 | 18 4 | 4 32 | 10 42 | 2 52 | 25 51 | 3 1 | 17 33 | 0 2 | 16 48 | 1 6 | 12 47 | 2 32 | 23 17 | 0 25 | 4 6 | 1 18 | 2 17 | 15 49 | 15 7 | 14 53 | 10 28 | 15 58 | 4 29 | T 12 |
| W13 | 20 8 | 19 28 | 4 0 | 11 16 | 2 45 | 25 43 | 2 59 | 17 45 | 0 2 | 16 46 | 1 6 | 12 46 | 2 31 | 23 17 | 0 25 | 4 6 | 1 18 | 2 17 | 15 49 | 15 10 | 14 54 | 10 29 | 15 57 | 4 29 | W13 |
| T 14 | 20 20 | 19 59 | 3 16 | 11 51 | 2 39 | 25 35 | 2 56 | 17 57 | 0 1 | 16 44 | 1 6 | 12 45 | 2 31 | 23 16 | 0 25 | 4 5 | 1 18 | 2 16 | 15 49 | 15 13 | 14 55 | 10 31 | 15 56 | 4 29 | T 14 |
| F 15 | 20 32 | 19 34 | 2 22 | 12 26 | 2 32 | 25 27 | 2 54 | 18 9 | 0 0 | 16 42 | 1 6 | 12 44 | 2 31 | 23 16 | 0 25 | 4 5 | 1 18 | 2 16 | 15 49 | 15 14 | 14 56 | 10 33 | 15 54 | 4 29 | F 15 |
| S 16 | 20 43 | 18 11 | 1 21 | 13 3 | 2 24 | 25 18 | 2 51 | 18 21 | 0n 0 | 16 40 | 1 6 | 12 43 | 2 31 | 23 16 | 0 25 | 4 4 | 1 18 | 2 16 | 15 50 | 15 15 | 14 57 | 10 35 | 15 53 | 4 30 | S 16 |
| S 17 | 20 54 | 15 51 | 0 14 | 13 40 | 2 16 | 25 9 | 2 48 | 18 32 | 0 1 | 16 39 | 1 6 | 12 42 | 2 31 | 23 15 | 0 25 | 4 4 | 1 18 | 2 16 | 15 50 | 15 15 | 14 58 | 10 37 | 15 52 | 4 30 | S 17 |
| M18 | 21 5 | 12 40 | 0n55 | 14 17 | 2 7 | 25 0 | 2 45 | 18 44 | 0 2 | 16 37 | 1 6 | 12 40 | 2 31 | 23 15 | 0 25 | 4 4 | 1 18 | 2 15 | 15 50 | 15 15 | 14 59 | 10 39 | 15 51 | 4 30 | M18 |
| T 19 | 21 16 | 8 44 | 2 3 | 14 55 | 1 58 | 24 50 | 2 42 | 18 55 | 0 2 | 16 35 | 1 5 | 12 39 | 2 31 | 23 15 | 0 25 | 4 3 | 1 18 | 2 15 | 15 50 | 15 15 | 15 0 | 10 41 | 15 50 | 4 30 | T 19 |
| W20 | 21 26 | 4 14 | 3 6 | 15 33 | 1 48 | 24 40 | 2 38 | 19 6 | 0 3 | 16 33 | 1 5 | 12 38 | 2 31 | 23 15 | 0 25 | 4 3 | 1 18 | 2 15 | 15 50 | 15 16 | 15 1 | 10 43 | 15 49 | 4 30 | W20 |
| T 21 | 21 35 | 0s38 | 3 59 | 16 12 | 1 39 | 24 29 | 2 34 | 19 17 | 0 4 | 16 32 | 1 5 | 12 37 | 2 30 | 23 14 | 0 25 | 4 3 | 1 18 | 2 15 | 15 50 | 15 17 | 15 2 | 10 45 | 15 48 | 4 30 | T 21 |
| F 22 | 21 45 | 5 34 | 4 39 | 16 50 | 1 29 | 24 18 | 2 30 | 19 27 | 0 4 | 16 30 | 1 5 | 12 36 | 2 30 | 23 14 | 0 25 | 4 2 | 1 19 | 2 14 | 15 50 | 15 19 | 15 3 | 10 47 | 15 47 | 4 31 | F 22 |
| S 23 | 21 54 | 10 17 | 4 59 | 17 28 | 1 18 | 24 7 | 2 26 | 19 38 | 0 5 | 16 28 | 1 5 | 12 35 | 2 30 | 23 14 | 0 25 | 4 2 | 1 19 | 2 14 | 15 51 | 15 21 | 15 4 | 10 49 | 15 46 | 4 31 | S 23 |
| S 24 | 22 2 | 14 23 | 5 0 | 18 6 | 1 7 | 23 56 | 2 21 | 19 48 | 0 5 | 16 27 | 1 5 | 12 34 | 2 30 | 23 13 | 0 25 | 4 2 | 1 19 | 2 14 | 15 51 | 15 24 | 15 5 | 10 50 | 15 45 | 4 31 | S 24 |
| M25 | 22 10 | 17 32 | 4 39 | 18 44 | 0 57 | 23 44 | 2 17 | 19 58 | 0 6 | 16 25 | 1 4 | 12 33 | 2 30 | 23 13 | 0 25 | 4 2 | 1 19 | 2 14 | 15 51 | 15 27 | 15 6 | 10 52 | 15 44 | 4 31 | M25 |
| T 26 | 22 18 | 19 28 | 3 59 | 19 21 | 0 46 | 23 32 | 2 12 | 20 8 | 0 7 | 16 23 | 1 4 | 12 33 | 2 30 | 23 13 | 0 25 | 4 1 | 1 19 | 2 14 | 15 51 | 15 30 | 15 7 | 10 54 | 15 43 | 4 31 | T 26 |
| W27 | 22 26 | 20 2 | 3 4 | 19 57 | 0 35 | 23 20 | 2 6 | 20 18 | 0 7 | 16 22 | 1 4 | 12 32 | 2 29 | 23 12 | 0 25 | 4 1 | 1 19 | 2 14 | 15 51 | 15 32 | 15 8 | 10 56 | 15 42 | 4 31 | W27 |
| T 28 | 22 33 | 19 17 | 1 59 | 20 32 | 0 23 | 23 8 | 2 0 | 20 27 | 0 8 | 16 20 | 1 4 | 12 31 | 2 29 | 23 12 | 0 25 | 4 1 | 1 19 | 2 13 | 15 51 | 15 33 | 15 9 | 10 58 | 15 41 | 4 31 | T 28 |
| F 29 | 22 39 | 17 24 | 0 49 | 21 6 | 0 12 | 22 55 | 1 55 | 20 37 | 0 9 | 16 19 | 1 4 | 12 30 | 2 29 | 23 12 | 0 25 | 4 1 | 1 19 | 2 13 | 15 52 | 15 34 | 15 10 | 11 0 | 15 40 | 4 31 | F 29 |
| S 30 | 22 46 | 14 37 | 0s22 | 21 38 | 0 1 | 22 43 | 1 48 | 20 46 | 0 9 | 16 17 | 1 3 | 12 29 | 2 29 | 23 11 | 0 25 | 4 0 | 1 19 | 2 13 | 15 52 | 15 34 | 15 11 | 11 2 | 15 39 | 4 32 | S 30 |
| S 31 | 22n52 | 11s12 | 1s29 | 22n 8 | 0n 9 | 22n30 | 1n42 | 20n55 | 0n10 | 16s16 | 1n 3 | 12s28 | 2n29 | 23n11 | 0n25 | 4s 0 | 1s19 | 2s13 | 15s52 | 15n34 | 15n12 | 11n 4 | 15s39 | 4n32 | S 31 |

Julian Day Number = 2220109.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'05, Lahiri = 15°01'06 Julian Calendar 1 May 1366 == Greg. Calendar 9 May 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## JUNE 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 8 58 | 17♊43'43 | 17♓13 | 11♊53 | 27♋31 | 3♊17 | 17°R59 | 9°R49 | 14♋14 | 22♓59 | 3♉33 | 17°R45 | 18♏52 | 13♉39 | 29°R13 | M 1 |
| T 2 | 17 12 54 | 18°40'57 | 29°27 | 14° 3 | 28° 2 | 3°59 | 17♏53 | 9♏46 | 14°17 | 23° 0 | 3°34 | 17♏45 | 18°49 | 13°45 | 29♏ 9 | T 2 |
| W 3 | 17 16 51 | 19°38'10 | 11♈29 | 16°14 | 28°31 | 4°41 | 17°48 | 9°43 | 14°20 | 23° 0 | 3°35 | 17°42 | 18°45 | 13°52 | 29° 5 | W 3 |
| T 4 | 17 20 48 | 20°35'24 | 23°23 | 18°25 | 28°59 | 5°22 | 17°42 | 9°40 | 14°24 | 23° 1 | 3°36 | 17°38 | 18°42 | 13°59 | 29° 1 | T 4 |
| F 5 | 17 24 44 | 21°32'37 | 5♉14 | 20°37 | 29°25 | 6° 4 | 17°37 | 9°37 | 14°27 | 23° 1 | 3°37 | 17°31 | 18°39 | 14° 5 | 28°58 | F 5 |
| S 6 | 17 28 41 | 22°29'50 | 17° 6 | 22°48 | 29°49 | 6°45 | 17°32 | 9°35 | 14°31 | 23° 2 | 3°38 | 17°22 | 18°36 | 14°12 | 28°54 | S 6 |
| S 7 | 17 32 37 | 23°27'03 | 29° 1 | 24°59 | 0♏12 | 7°27 | 17°27 | 9°32 | 14°34 | 23° 2 | 3°39 | 17°12 | 18°33 | 14°19 | 28°50 | S 7 |
| M 8 | 17 36 34 | 24°24'16 | 11♊ 1 | 27°10 | 0°33 | 8° 8 | 17°22 | 9°30 | 14°38 | 23° 3 | 3°40 | 17° 2 | 18°30 | 14°26 | 28°47 | M 8 |
| T 9 | 17 40 30 | 25°21'28 | 23° 8 | 29°20 | 0°52 | 8°49 | 17°17 | 9°27 | 14°41 | 23° 3 | 3°41 | 16°53 | 18°26 | 14°32 | 28°43 | T 9 |
| W10 | 17 44 27 | 26°18'40 | 5♋23 | 1♋28 | 1°10 | 9°31 | 17°13 | 9°25 | 14°45 | 23° 3 | 3°42 | 16°45 | 18°23 | 14°39 | 28°40 | W10 |
| T 11 | 17 48 24 | 27°15'53 | 17°48 | 3°36 | 1°25 | 10°12 | 17° 8 | 9°23 | 14°48 | 23° 3 | 3°43 | 16°40 | 18°20 | 14°46 | 28°36 | T 11 |
| F 12 | 17 52 20 | 28°13'04 | 0♏22 | 5°42 | 1°38 | 10°53 | 17° 4 | 9°20 | 14°52 | 23° 4 | 3°44 | 16°36 | 18°17 | 14°53 | 28°33 | F 12 |
| S 13 | 17 56 17 | 29°10'16 | 13° 8 | 7°46 | 1°50 | 11°34 | 17° 0 | 9°18 | 14°55 | 23° 4 | 3°45 | 16°D35 | 18°14 | 14°59 | 28°30 | S 13 |
| S 14 | 18 0 13 | 0♋ 7'27 | 26° 7 | 9°49 | 1°59 | 12°15 | 16°56 | 9°16 | 14°59 | 23° 4 | 3°45 | 16°35 | 18°11 | 15° 6 | 28°26 | S 14 |
| M15 | 18 4 10 | 1° 4'38 | 9♍21 | 11°51 | 2° 6 | 12°56 | 16°52 | 9°14 | 15° 2 | 23° 4 | 3°46 | 16°36 | 18° 7 | 15°13 | 28°23 | M15 |
| T 16 | 18 8 6 | 2° 1'48 | 22°53 | 13°50 | 2°11 | 13°37 | 16°49 | 9°12 | 15° 6 | 23° 4 | 3°47 | 16°37 | 18° 4 | 15°19 | 28°20 | T 16 |
| W17 | 18 12 3 | 2°58'59 | 6♎42 | 15°47 | 2°14 | 14°18 | 16°45 | 9°11 | 15° 9 | 23° 4 | 3°48 | 16°R38 | 18° 1 | 15°26 | 28°17 | W17 |
| T 18 | 18 15 59 | 3°56'09 | 20°51 | 17°43 | 2°R14 | 14°59 | 16°42 | 9° 9 | 15°13 | 23°R 4 | 3°49 | 16°36 | 17°58 | 15°33 | 28°14 | T 18 |
| F 19 | 18 19 56 | 4°53'18 | 5♏17 | 19°37 | 2°12 | 15°40 | 16°39 | 9° 7 | 15°17 | 23° 4 | 3°49 | 16°33 | 17°55 | 15°40 | 28°11 | F 19 |
| S 20 | 18 23 53 | 5°50'28 | 19°57 | 21°28 | 2° 8 | 16°21 | 16°36 | 9° 6 | 15°20 | 23° 4 | 3°50 | 16°29 | 17°51 | 15°46 | 28° 8 | S 20 |
| S 21 | 18 27 49 | 6°47'37 | 4♐45 | 23°18 | 2° 1 | 17° 2 | 16°33 | 9° 5 | 15°24 | 23° 4 | 3°51 | 16°24 | 17°48 | 15°53 | 28° 6 | S 21 |
| M22 | 18 31 46 | 7°44'47 | 19°35 | 25° 6 | 1°52 | 17°42 | 16°31 | 9° 3 | 15°28 | 23° 4 | 3°51 | 16°18 | 17°45 | 16° 0 | 28° 3 | M22 |
| T 23 | 18 35 42 | 8°41'57 | 4♑17 | 26°52 | 1°40 | 18°23 | 16°28 | 9° 2 | 15°31 | 23° 4 | 3°52 | 16°13 | 17°42 | 16° 7 | 28° 0 | T 23 |
| W24 | 18 39 39 | 9°39'06 | 18°46 | 28°36 | 1°26 | 19° 4 | 16°26 | 9° 1 | 15°35 | 23° 4 | 3°53 | 16° 9 | 17°39 | 16°13 | 27°58 | W24 |
| T 25 | 18 43 35 | 10°36'17 | 2♒54 | 0♏17 | 1°10 | 19°44 | 16°24 | 9° 0 | 15°38 | 23° 3 | 3°53 | 16° 7 | 17°36 | 16°20 | 27°55 | T 25 |
| F 26 | 18 47 32 | 11°33'27 | 16°38 | 1°57 | 0°51 | 20°25 | 16°22 | 8°59 | 15°42 | 23° 3 | 3°54 | 16°D 6 | 17°32 | 16°27 | 27°53 | F 26 |
| S 27 | 18 51 28 | 12°30'38 | 29°57 | 3°35 | 0°30 | 21° 5 | 16°20 | 8°58 | 15°46 | 23° 3 | 3°55 | 16° 6 | 17°29 | 16°33 | 27°51 | S 27 |
| S 28 | 18 55 25 | 13°27'49 | 12♓52 | 5°11 | 0° 7 | 21°45 | 16°19 | 8°57 | 15°49 | 23° 3 | 3°55 | 16° 8 | 17°26 | 16°40 | 27°49 | S 28 |
| M29 | 18 59 22 | 14°25'01 | 25°26 | 6°45 | 29♋42 | 22°26 | 16°18 | 8°57 | 15°53 | 23° 2 | 3°56 | 16°10 | 17°23 | 16°47 | 27°46 | M29 |
| T 30 | 19 3 18 | 15♋22'14 | 7♈42 | 8♏17 | 29♋15 | 23♊ 6 | 16♏16 | 8♏56 | 15♋57 | 23♓ 2 | 3♉56 | 16♏11 | 17♏20 | 16♉54 | 27♏44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n57 | 7s22 | 2s31 | 22n37 | 0n20 | 22n17 | 1n35 | 21n 3 | 0n11 | 16s14 | 1n 3 | 12s28 | 2n28 | 23n10 | 0n25 | 4s 0 | 1s19 | 2s13 | 15s52 | 15n34 | 15n13 | 11n 6 | 15s38 | 4n32 |
| T 2 | 23 2 | 3 20 | 3 24 | 23 4 | 0 30 | 22 4 | 1 28 | 21 12 | 0 11 | 16 13 | 1 3 | 12 27 | 2 28 | 23 10 | 0 25 | 4 0 | 1 19 | 2 13 | 15 52 | 15 34 | 15 14 | 11 8 | 15 37 | 4 32 |
| W 3 | 23 7 | 0n46 | 4 7 | 23 28 | 0 40 | 21 50 | 1 20 | 21 20 | 0 12 | 16 12 | 1 3 | 12 26 | 2 28 | 23 10 | 0 25 | 4 0 | 1 19 | 2 12 | 15 53 | 15 35 | 15 15 | 11 9 | 15 36 | 4 32 |
| T 4 | 23 11 | 4 48 | 4 38 | 23 50 | 0 50 | 21 37 | 1 13 | 21 28 | 0 12 | 16 10 | 1 2 | 12 25 | 2 28 | 23 9 | 0 25 | 4 0 | 1 19 | 2 12 | 15 53 | 15 36 | 15 16 | 11 11 | 15 35 | 4 32 |
| F 5 | 23 15 | 8 38 | 4 58 | 24 10 | 0 59 | 21 24 | 1 5 | 21 36 | 0 13 | 16 9 | 1 2 | 12 25 | 2 28 | 23 9 | 0 25 | 3 59 | 1 19 | 2 12 | 15 53 | 15 38 | 15 17 | 11 13 | 15 34 | 4 32 |
| S 6 | 23 18 | 12 7 | 5 5 | 24 26 | 1 7 | 21 10 | 0 56 | 21 44 | 0 14 | 16 8 | 1 2 | 12 24 | 2 27 | 23 9 | 0 25 | 3 59 | 1 19 | 2 12 | 15 53 | 15 41 | 15 18 | 11 15 | 15 33 | 4 32 |
| S 7 | 23 21 | 15 9 | 4 59 | 24 40 | 1 15 | 20 57 | 0 47 | 21 52 | 0 14 | 16 7 | 1 2 | 12 23 | 2 27 | 23 8 | 0 25 | 3 59 | 1 19 | 2 12 | 15 54 | 15 44 | 15 19 | 11 17 | 15 33 | 4 32 |
| M 8 | 23 24 | 17 34 | 4 39 | 24 51 | 1 22 | 20 43 | 0 38 | 21 59 | 0 15 | 16 5 | 1 1 | 12 23 | 2 27 | 23 8 | 0 25 | 3 59 | 1 19 | 2 12 | 15 54 | 15 47 | 15 20 | 11 19 | 15 32 | 4 32 |
| T 9 | 23 26 | 19 14 | 4 7 | 24 59 | 1 28 | 20 30 | 0 29 | 22 6 | 0 16 | 16 4 | 1 1 | 12 22 | 2 27 | 23 7 | 0 25 | 3 59 | 1 19 | 2 12 | 15 54 | 15 50 | 15 21 | 11 21 | 15 31 | 4 32 |
| W10 | 23 28 | 20 2 | 3 23 | 25 5 | 1 34 | 20 17 | 0 19 | 22 13 | 0 16 | 16 3 | 1 1 | 12 22 | 2 26 | 23 7 | 0 25 | 3 59 | 1 20 | 2 12 | 15 54 | 15 52 | 15 22 | 11 23 | 15 30 | 4 32 |
| T 11 | 23 29 | 19 53 | 2 29 | 25 7 | 1 39 | 20 3 | 0 9 | 22 20 | 0 17 | 16 2 | 1 1 | 12 21 | 2 26 | 23 7 | 0 25 | 3 59 | 1 20 | 2 12 | 15 55 | 15 54 | 15 23 | 11 25 | 15 30 | 4 32 |
| F 12 | 23 30 | 18 44 | 1 26 | 25 7 | 1 43 | 19 50 | 0s 1 | 22 26 | 0 18 | 16 1 | 1 1 | 12 21 | 2 26 | 23 6 | 0 25 | 3 59 | 1 20 | 2 12 | 15 55 | 15 55 | 15 24 | 11 26 | 15 29 | 4 32 |
| S 13 | 23 31 | 16 38 | 0 19 | 25 4 | 1 47 | 19 37 | 0 12 | 22 33 | 0 18 | 16 0 | 1 0 | 12 20 | 2 26 | 23 6 | 0 25 | 3 59 | 1 20 | 2 12 | 15 55 | 15 55 | 15 25 | 11 28 | 15 28 | 4 32 |
| S 14 | 23 31 | 13 39 | 0n51 | 24 59 | 1 50 | 19 24 | 0 23 | 22 39 | 0 19 | 15 59 | 1 0 | 12 20 | 2 26 | 23 6 | 0 25 | 3 59 | 1 20 | 2 12 | 15 55 | 15 55 | 15 26 | 11 30 | 15 28 | 4 32 |
| M15 | 23 31 | 9 56 | 2 0 | 24 51 | 1 52 | 19 12 | 0 35 | 22 45 | 0 19 | 15 59 | 1 0 | 12 20 | 2 25 | 23 5 | 0 25 | 3 59 | 1 20 | 2 12 | 15 55 | 15 55 | 15 27 | 11 32 | 15 27 | 4 32 |
| T 16 | 23 30 | 5 39 | 3 3 | 24 41 | 1 53 | 18 59 | 0 47 | 22 51 | 0 20 | 15 58 | 1 0 | 12 19 | 2 25 | 23 5 | 0 25 | 3 59 | 1 20 | 2 12 | 15 56 | 15 54 | 15 28 | 11 34 | 15 26 | 4 32 |
| W17 | 23 29 | 0 58 | 3 58 | 24 28 | 1 54 | 18 47 | 0 59 | 22 56 | 0 21 | 15 57 | 0 59 | 12 19 | 2 25 | 23 4 | 0 25 | 3 59 | 1 20 | 2 12 | 15 56 | 15 54 | 15 29 | 11 36 | 15 26 | 4 32 |
| T 18 | 23 28 | 3s51 | 4 39 | 24 13 | 1 54 | 18 34 | 1 11 | 23 1 | 0 21 | 15 56 | 0 59 | 12 19 | 2 25 | 23 4 | 0 25 | 3 59 | 1 20 | 2 12 | 15 56 | 15 55 | 15 30 | 11 38 | 15 25 | 4 31 |
| F 19 | 23 26 | 8 33 | 5 4 | 23 57 | 1 53 | 18 22 | 1 24 | 23 7 | 0 22 | 15 56 | 0 59 | 12 18 | 2 24 | 23 3 | 0 25 | 3 59 | 1 20 | 2 12 | 15 57 | 15 56 | 15 31 | 11 40 | 15 25 | 4 31 |
| S 20 | 23 23 | 12 49 | 5 9 | 23 38 | 1 52 | 18 11 | 1 37 | 23 11 | 0 23 | 15 55 | 0 59 | 12 18 | 2 24 | 23 3 | 0 25 | 3 59 | 1 20 | 2 12 | 15 57 | 15 57 | 15 32 | 11 41 | 15 24 | 4 31 |
| S 21 | 23 21 | 16 20 | 4 54 | 23 18 | 1 50 | 17 59 | 1 50 | 23 16 | 0 23 | 15 55 | 0 58 | 12 18 | 2 24 | 23 3 | 0 25 | 3 59 | 1 20 | 2 12 | 15 57 | 15 59 | 15 33 | 11 43 | 15 24 | 4 31 |
| M22 | 23 18 | 18 48 | 4 19 | 22 57 | 1 47 | 17 48 | 2 4 | 23 21 | 0 24 | 15 54 | 0 58 | 12 18 | 2 24 | 23 2 | 0 25 | 3 59 | 1 20 | 2 12 | 15 57 | 16 0 | 15 34 | 11 45 | 15 23 | 4 31 |
| T 23 | 23 14 | 19 59 | 3 28 | 22 33 | 1 44 | 17 37 | 2 17 | 23 25 | 0 24 | 15 54 | 0 58 | 12 17 | 2 23 | 23 2 | 0 25 | 3 59 | 1 20 | 2 12 | 15 58 | 16 2 | 15 35 | 11 47 | 15 23 | 4 31 |
| W24 | 23 10 | 19 50 | 2 23 | 22 9 | 1 40 | 17 27 | 2 31 | 23 29 | 0 25 | 15 53 | 0 58 | 12 17 | 2 23 | 23 1 | 0 25 | 3 59 | 1 20 | 2 12 | 15 58 | 16 3 | 15 36 | 11 49 | 15 22 | 4 31 |
| T 25 | 23 6 | 18 25 | 1 11 | 21 43 | 1 36 | 17 17 | 2 45 | 23 33 | 0 26 | 15 53 | 0 57 | 12 17 | 2 23 | 23 1 | 0 25 | 4 0 | 1 20 | 2 12 | 15 58 | 16 4 | 15 37 | 11 51 | 15 22 | 4 31 |
| F 26 | 23 1 | 15 57 | 0s 3 | 21 16 | 1 31 | 17 7 | 2 59 | 23 36 | 0 26 | 15 53 | 0 57 | 12 17 | 2 23 | 23 1 | 0 25 | 4 0 | 1 20 | 2 12 | 15 58 | 16 4 | 15 38 | 11 53 | 15 21 | 4 31 |
| S 27 | 22 56 | 12 42 | 1 15 | 20 48 | 1 26 | 16 58 | 3 13 | 23 40 | 0 27 | 15 52 | 0 57 | 12 17 | 2 22 | 23 0 | 0 25 | 4 0 | 1 20 | 2 12 | 15 59 | 16 4 | 15 39 | 11 55 | 15 21 | 4 31 |
| S 28 | 22 50 | 8 55 | 2 21 | 20 20 | 1 20 | 16 49 | 3 28 | 23 43 | 0 27 | 15 52 | 0 57 | 12 17 | 2 22 | 23 0 | 0 25 | 4 0 | 1 20 | 2 12 | 15 59 | 16 3 | 15 40 | 11 56 | 15 21 | 4 30 |
| M29 | 22 44 | 4 51 | 3 18 | 19 50 | 1 14 | 16 40 | 3 42 | 23 46 | 0 28 | 15 52 | 0 56 | 12 17 | 2 22 | 22 59 | 0 25 | 4 0 | 1 20 | 2 12 | 15 59 | 16 3 | 15 41 | 11 58 | 15 20 | 4 30 |
| T 30 | 22n38 | 0s41 | 4s 5 | 19n20 | 1n 7 | 16n32 | 3s56 | 23n49 | 0n29 | 15s52 | 0n56 | 12s17 | 2n22 | 22n59 | 0n25 | 4s 0 | 1s21 | 2s12 | 16s 0 | 16n 2 | 15n42 | 12n 0 | 15s20 | 4n30 |

Julian Day Number = 2220140.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'09, Lahiri = 15°01'10 Julian Calendar 1 June 1366 == Greg. Calendar 9 June 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## JULY 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 7 15 | 16♋19'28 | 19♈46 | 9♌47 | 28°R46 | 23♊46 | 16°R15 | 8°R56 | 16♋ 0 | 23°R 1 | 3♉57 | 16°R11 | 17♌16 | 17♉ 0 | 27°R42 | W 1 |
| T 2 | 19 11 11 | 17°16'42 | 1♉42 | 11°15 | 28♋15 | 24°27 | 16♏15 | 8♏55 | 16° 4 | 23♓ 1 | 3°58 | 16♌10 | 17°13 | 17° 7 | 27♏40 | T 2 |
| F 3 | 19 15 8 | 18°13'57 | 13°35 | 12°41 | 27°43 | 25° 7 | 16°14 | 8°55 | 16° 8 | 23° 1 | 3°58 | 16° 8 | 17°10 | 17°14 | 27°39 | F 3 |
| S 4 | 19 19 4 | 19°11'13 | 25°28 | 14° 4 | 27°10 | 25°47 | 16°14 | 8°55 | 16°11 | 23° 0 | 3°58 | 16° 4 | 17° 7 | 17°20 | 27°37 | S 4 |
| S 5 | 19 23 1 | 20° 8'29 | 7♊27 | 15°26 | 26°35 | 26°27 | 16°13 | 8°D55 | 16°15 | 23° 0 | 3°59 | 16° 0 | 17° 4 | 17°27 | 27°35 | S 5 |
| M 6 | 19 26 57 | 21° 5'47 | 19°32 | 16°46 | 25°59 | 27° 7 | 16°D13 | 8°55 | 16°19 | 22°59 | 3°59 | 15°56 | 17° 1 | 17°34 | 27°34 | M 6 |
| T 7 | 19 30 54 | 22° 3'05 | 1♋48 | 18° 3 | 25°23 | 27°47 | 16°14 | 8°55 | 16°22 | 22°58 | 4° 0 | 15°52 | 16°57 | 17°41 | 27°32 | T 7 |
| W 8 | 19 34 51 | 23° 0'24 | 14°16 | 19°18 | 24°46 | 28°27 | 16°14 | 8°55 | 16°26 | 22°58 | 4° 0 | 15°49 | 16°54 | 17°47 | 27°31 | W 8 |
| T 9 | 19 38 47 | 23°57'44 | 26°56 | 20°31 | 24° 9 | 29° 7 | 16°14 | 8°56 | 16°30 | 22°57 | 4° 1 | 15°47 | 16°51 | 17°54 | 27°30 | T 9 |
| F 10 | 19 42 44 | 24°55'04 | 9♌50 | 21°41 | 23°31 | 29°47 | 16°15 | 8°56 | 16°33 | 22°57 | 4° 1 | 15°D46 | 16°48 | 18° 1 | 27°29 | F 10 |
| S 11 | 19 46 40 | 25°52'26 | 22°56 | 22°49 | 22°54 | 0♋26 | 16°16 | 8°56 | 16°37 | 22°56 | 4° 1 | 15°46 | 16°45 | 18° 8 | 27°28 | S 11 |
| S 12 | 19 50 37 | 26°49'47 | 6♍16 | 23°55 | 22°17 | 1° 6 | 16°17 | 8°57 | 16°41 | 22°55 | 4° 2 | 15°47 | 16°42 | 18°14 | 27°27 | S 12 |
| M13 | 19 54 33 | 27°47'10 | 19°49 | 24°58 | 21°41 | 1°46 | 16°18 | 8°58 | 16°44 | 22°54 | 4° 2 | 15°48 | 16°38 | 18°21 | 27°26 | M13 |
| T 14 | 19 58 30 | 28°44'33 | 3♎34 | 25°58 | 21° 6 | 2°25 | 16°20 | 8°59 | 16°48 | 22°54 | 4° 2 | 15°49 | 16°35 | 18°28 | 27°25 | T 14 |
| W15 | 20 2 26 | 29°41'56 | 17°30 | 26°55 | 20°32 | 3° 5 | 16°21 | 8°59 | 16°51 | 22°53 | 4° 2 | 15°50 | 16°32 | 18°34 | 27°24 | W15 |
| T 16 | 20 6 23 | 0♌39'21 | 1♏37 | 27°50 | 19°59 | 3°45 | 16°23 | 9° 0 | 16°55 | 22°52 | 4° 3 | 15°R51 | 16°29 | 18°41 | 27°24 | T 16 |
| F 17 | 20 10 20 | 1°36'45 | 15°52 | 28°41 | 19°28 | 4°24 | 16°25 | 9° 2 | 16°59 | 22°51 | 4° 3 | 15°50 | 16°26 | 18°48 | 27°23 | F 17 |
| S 18 | 20 14 16 | 2°34'11 | 0♐14 | 29°29 | 18°58 | 5° 3 | 16°27 | 9° 3 | 17° 2 | 22°50 | 4° 3 | 15°49 | 16°22 | 18°55 | 27°23 | S 18 |
| S 19 | 20 18 13 | 3°31'38 | 14°39 | 0♍14 | 18°30 | 5°43 | 16°30 | 9° 4 | 17° 6 | 22°49 | 4° 3 | 15°48 | 16°19 | 19° 1 | 27°22 | S 19 |
| M20 | 20 22 9 | 4°29'05 | 29° 1 | 0°55 | 18° 4 | 6°22 | 16°32 | 9° 5 | 17° 9 | 22°48 | 4° 3 | 15°47 | 16°16 | 19° 8 | 27°22 | M20 |
| T 21 | 20 26 6 | 5°26'33 | 13♑18 | 1°32 | 17°40 | 7° 2 | 16°35 | 9° 7 | 17°13 | 22°47 | 4° 3 | 15°45 | 16°13 | 19°15 | 27°22 | T 21 |
| W22 | 20 30 2 | 6°24'02 | 27°22 | 2° 5 | 17°18 | 7°41 | 16°38 | 9° 8 | 17°16 | 22°46 | 4° 4 | 15°44 | 16°10 | 19°22 | 27°D22 | W22 |
| T 23 | 20 33 59 | 7°21'32 | 11♒12 | 2°34 | 16°59 | 8°20 | 16°41 | 9°10 | 17°20 | 22°45 | 4° 4 | 15°D44 | 16° 7 | 19°28 | 27°22 | T 23 |
| F 24 | 20 37 55 | 8°19'03 | 24°44 | 2°59 | 16°41 | 8°59 | 16°44 | 9°12 | 17°23 | 22°44 | 4° 4 | 15°44 | 16° 3 | 19°35 | 27°22 | F 24 |
| S 25 | 20 41 52 | 9°16'36 | 7♓55 | 3°19 | 16°26 | 9°38 | 16°47 | 9°14 | 17°27 | 22°43 | 4° 4 | 15°45 | 16° 0 | 19°42 | 27°22 | S 25 |
| S 26 | 20 45 49 | 10°14'10 | 20°47 | 3°34 | 16°14 | 10°17 | 16°51 | 9°16 | 17°30 | 22°42 | 4° 4 | 15°45 | 15°57 | 19°48 | 27°23 | S 26 |
| M27 | 20 49 45 | 11°11'45 | 3♈21 | 3°45 | 16° 4 | 10°56 | 16°54 | 9°18 | 17°34 | 22°41 | 4°R 4 | 15°46 | 15°54 | 19°55 | 27°23 | M27 |
| T 28 | 20 53 42 | 12° 9'21 | 15°39 | 3°R50 | 15°56 | 11°35 | 16°58 | 9°20 | 17°37 | 22°40 | 4° 4 | 15°46 | 15°51 | 20° 2 | 27°24 | T 28 |
| W29 | 20 57 38 | 13° 7'00 | 27°45 | 3°50 | 15°51 | 12°14 | 17° 2 | 9°22 | 17°40 | 22°39 | 4° 4 | 15°46 | 15°48 | 20° 9 | 27°24 | W29 |
| T 30 | 21 1 35 | 14° 4'39 | 9♉42 | 3°44 | 15°48 | 12°53 | 17° 6 | 9°24 | 17°44 | 22°37 | 4° 4 | 15°46 | 15°44 | 20°15 | 27°25 | T 30 |
| F 31 | 21 5 31 | 15♌ 2'21 | 21♉35 | 3♍33 | 15°D47 | 13♋32 | 17♏11 | 9♏27 | 17♋47 | 22♓36 | 4♉ 4 | 15°R46 | 15♌41 | 20♉22 | 27♏26 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n31 | 3n26 | 4s41 | 18n49 | 1n 0 | 16n24 | 4s10 | 23n52 | 0n29 | 15s52 | 0n56 | 12s17 | 2n21 | 22n58 | 0n25 | 4s 1 | 1s21 | 2s12 | 16s 0 | 16n 2 | 15n43 | 12n 2 | 15s20 | 4n30 |
| T 2 | 22 24 | 7 22 | 5 3 | 18 18 | 0 52 | 16 17 | 4 23 | 23 54 | 0 30 | 15 52 | 0 56 | 12 18 | 2 21 | 22 58 | 0 25 | 4 1 | 1 21 | 2 12 | 16 0 | 16 3 | 15 44 | 12 4 | 15 19 | 4 30 |
| F 3 | 22 16 | 11 0 | 5 13 | 17 46 | 0 44 | 16 10 | 4 37 | 23 56 | 0 31 | 15 52 | 0 55 | 12 18 | 2 21 | 22 58 | 0 25 | 4 1 | 1 21 | 2 13 | 16 0 | 16 3 | 15 44 | 12 6 | 15 19 | 4 30 |
| S 4 | 22 8 | 14 12 | 5 9 | 17 14 | 0 36 | 16 3 | 4 50 | 23 58 | 0 31 | 15 52 | 0 55 | 12 18 | 2 20 | 22 57 | 0 25 | 4 1 | 1 21 | 2 13 | 16 1 | 16 4 | 15 45 | 12 8 | 15 19 | 4 29 |
| S 5 | 22 0 | 16 50 | 4 52 | 16 41 | 0 27 | 15 57 | 5 3 | 24 0 | 0 32 | 15 52 | 0 55 | 12 18 | 2 20 | 22 57 | 0 25 | 4 2 | 1 21 | 2 13 | 16 1 | 16 6 | 15 46 | 12 9 | 15 19 | 4 29 |
| M 6 | 21 52 | 18 46 | 4 21 | 16 9 | 0 18 | 15 52 | 5 15 | 24 2 | 0 32 | 15 53 | 0 55 | 12 18 | 2 20 | 22 56 | 0 25 | 4 2 | 1 21 | 2 13 | 16 1 | 16 7 | 15 47 | 12 11 | 15 19 | 4 29 |
| T 7 | 21 42 | 19 52 | 3 38 | 15 36 | 0 8 | 15 46 | 5 27 | 24 3 | 0 33 | 15 53 | 0 54 | 12 19 | 2 20 | 22 56 | 0 25 | 4 2 | 1 21 | 2 13 | 16 2 | 16 8 | 15 48 | 12 13 | 15 19 | 4 29 |
| W 8 | 21 33 | 20 1 | 2 45 | 15 3 | 0s 2 | 15 42 | 5 38 | 24 4 | 0 34 | 15 53 | 0 54 | 12 19 | 2 19 | 22 55 | 0 25 | 4 2 | 1 21 | 2 13 | 16 2 | 16 9 | 15 49 | 12 15 | 15 18 | 4 29 |
| T 9 | 21 23 | 19 11 | 1 42 | 14 31 | 0 12 | 15 38 | 5 49 | 24 5 | 0 34 | 15 54 | 0 54 | 12 19 | 2 19 | 22 55 | 0 25 | 4 3 | 1 21 | 2 13 | 16 2 | 16 9 | 15 50 | 12 17 | 15 18 | 4 29 |
| F 10 | 21 13 | 17 19 | 0 33 | 13 59 | 0 22 | 15 34 | 5 59 | 24 6 | 0 35 | 15 54 | 0 54 | 12 20 | 2 19 | 22 55 | 0 25 | 4 3 | 1 21 | 2 14 | 16 3 | 16 10 | 15 51 | 12 19 | 15 18 | 4 28 |
| S 11 | 21 3 | 14 32 | 0n39 | 13 26 | 0 33 | 15 30 | 6 9 | 24 7 | 0 35 | 15 54 | 0 53 | 12 20 | 2 19 | 22 54 | 0 25 | 4 3 | 1 21 | 2 14 | 16 3 | 16 10 | 15 52 | 12 21 | 15 18 | 4 28 |
| S 12 | 20 52 | 10 57 | 1 51 | 12 55 | 0 44 | 15 28 | 6 17 | 24 7 | 0 36 | 15 55 | 0 53 | 12 21 | 2 18 | 22 54 | 0 25 | 4 4 | 1 21 | 2 14 | 16 3 | 16 10 | 15 53 | 12 22 | 15 18 | 4 28 |
| M13 | 20 40 | 6 45 | 2 57 | 12 23 | 0 55 | 15 25 | 6 25 | 24 7 | 0 37 | 15 56 | 0 53 | 12 21 | 2 18 | 22 53 | 0 25 | 4 4 | 1 21 | 2 14 | 16 3 | 16 9 | 15 54 | 12 24 | 15 18 | 4 28 |
| T 14 | 20 29 | 2 9 | 3 54 | 11 52 | 1 6 | 15 23 | 6 33 | 24 7 | 0 37 | 15 56 | 0 53 | 12 22 | 2 18 | 22 53 | 0 25 | 4 4 | 1 21 | 2 14 | 16 4 | 16 9 | 15 55 | 12 26 | 15 18 | 4 28 |
| W15 | 20 17 | 2s36 | 4 38 | 11 22 | 1 17 | 15 22 | 6 39 | 24 7 | 0 38 | 15 57 | 0 52 | 12 22 | 2 18 | 22 52 | 0 25 | 4 5 | 1 21 | 2 15 | 16 4 | 16 9 | 15 56 | 12 28 | 15 18 | 4 27 |
| T 16 | 20 5 | 7 17 | 5 6 | 10 53 | 1 29 | 15 21 | 6 45 | 24 6 | 0 38 | 15 58 | 0 52 | 12 23 | 2 17 | 22 52 | 0 25 | 4 5 | 1 21 | 2 15 | 16 4 | 16 8 | 15 57 | 12 30 | 15 18 | 4 27 |
| F 17 | 19 52 | 11 36 | 5 16 | 10 24 | 1 41 | 15 20 | 6 50 | 24 6 | 0 39 | 15 59 | 0 52 | 12 23 | 2 17 | 22 51 | 0 25 | 4 5 | 1 21 | 2 15 | 16 5 | 16 9 | 15 58 | 12 32 | 15 18 | 4 27 |
| S 18 | 19 39 | 15 17 | 5 6 | 9 56 | 1 53 | 15 20 | 6 54 | 24 5 | 0 40 | 15 59 | 0 52 | 12 24 | 2 17 | 22 51 | 0 25 | 4 6 | 1 21 | 2 15 | 16 5 | 16 9 | 15 59 | 12 33 | 15 18 | 4 27 |
| S 19 | 19 26 | 18 3 | 4 37 | 9 29 | 2 5 | 15 20 | 6 58 | 24 4 | 0 40 | 16 0 | 0 51 | 12 25 | 2 17 | 22 51 | 0 25 | 4 6 | 1 21 | 2 15 | 16 5 | 16 9 | 16 0 | 12 35 | 15 19 | 4 27 |
| M20 | 19 12 | 19 40 | 3 51 | 9 4 | 2 17 | 15 21 | 7 0 | 24 3 | 0 41 | 16 1 | 0 51 | 12 25 | 2 16 | 22 50 | 0 25 | 4 7 | 1 21 | 2 16 | 16 6 | 16 10 | 16 1 | 12 37 | 15 19 | 4 26 |
| T 21 | 18 58 | 20 2 | 2 50 | 8 39 | 2 28 | 15 22 | 7 2 | 24 1 | 0 41 | 16 2 | 0 51 | 12 26 | 2 16 | 22 50 | 0 25 | 4 7 | 1 22 | 2 16 | 16 6 | 16 10 | 16 2 | 12 39 | 15 19 | 4 26 |
| W22 | 18 44 | 19 7 | 1 40 | 8 16 | 2 40 | 15 23 | 7 4 | 24 0 | 0 42 | 16 3 | 0 51 | 12 27 | 2 16 | 22 49 | 0 26 | 4 8 | 1 22 | 2 16 | 16 6 | 16 10 | 16 3 | 12 41 | 15 19 | 4 26 |
| T 23 | 18 30 | 17 4 | 0 25 | 7 55 | 2 52 | 15 25 | 7 5 | 23 58 | 0 43 | 16 4 | 0 50 | 12 28 | 2 15 | 22 49 | 0 26 | 4 8 | 1 22 | 2 17 | 16 7 | 16 10 | 16 4 | 12 43 | 15 19 | 4 26 |
| F 24 | 18 15 | 14 6 | 0s50 | 7 35 | 3 4 | 15 27 | 7 5 | 23 56 | 0 43 | 16 6 | 0 50 | 12 28 | 2 15 | 22 48 | 0 26 | 4 8 | 1 22 | 2 17 | 16 7 | 16 10 | 16 5 | 12 44 | 15 20 | 4 25 |
| S 25 | 18 0 | 10 29 | 2 0 | 7 17 | 3 15 | 15 29 | 7 4 | 23 54 | 0 44 | 16 7 | 0 50 | 12 29 | 2 15 | 22 48 | 0 26 | 4 9 | 1 22 | 2 17 | 16 7 | 16 10 | 16 6 | 12 46 | 15 20 | 4 25 |
| S 26 | 17 44 | 6 27 | 3 2 | 7 1 | 3 26 | 15 32 | 7 3 | 23 51 | 0 44 | 16 8 | 0 50 | 12 30 | 2 15 | 22 48 | 0 26 | 4 9 | 1 22 | 2 17 | 16 8 | 16 10 | 16 7 | 12 48 | 15 20 | 4 25 |
| M27 | 17 28 | 2 15 | 3 54 | 6 48 | 3 37 | 15 35 | 7 1 | 23 49 | 0 45 | 16 9 | 0 49 | 12 31 | 2 14 | 22 47 | 0 26 | 4 10 | 1 22 | 2 18 | 16 8 | 16 10 | 16 7 | 12 50 | 15 21 | 4 25 |
| T 28 | 17 12 | 1n58 | 4 34 | 6 36 | 3 47 | 15 38 | 6 59 | 23 46 | 0 46 | 16 11 | 0 49 | 12 32 | 2 14 | 22 47 | 0 26 | 4 10 | 1 22 | 2 18 | 16 8 | 16 10 | 16 8 | 12 52 | 15 21 | 4 24 |
| W29 | 16 56 | 6 1 | 5 1 | 6 27 | 3 57 | 15 41 | 6 57 | 23 43 | 0 46 | 16 12 | 0 49 | 12 33 | 2 14 | 22 46 | 0 26 | 4 11 | 1 22 | 2 18 | 16 8 | 16 10 | 16 9 | 12 54 | 15 21 | 4 24 |
| T 30 | 16 40 | 9 47 | 5 15 | 6 21 | 4 6 | 15 44 | 6 53 | 23 40 | 0 47 | 16 13 | 0 49 | 12 34 | 2 14 | 22 46 | 0 26 | 4 11 | 1 22 | 2 19 | 16 9 | 16 10 | 16 10 | 12 55 | 15 22 | 4 24 |
| F 31 | 16n23 | 13n 9 | 5s15 | 6n17 | 4s14 | 15n48 | 6s50 | 23n37 | 0n47 | 16s15 | 0n48 | 12s35 | 2n13 | 22n45 | 0n26 | 4s12 | 1s22 | 2s19 | 16s 9 | 16n10 | 16n11 | 12n57 | 15s22 | 4n24 |

Julian Day Number = 2220170.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'14, Lahiri = 15°01'14 Julian Calendar 1 July 1366 == Greg. Calendar 9 July 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## AUGUST 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 9 28 | 16♌ 0'04 | 3♊30 | 3°R16 | 15♋49 | 14♋11 | 17♏15 | 9♏29 | 17♋50 | 22°R35 | 4°R 4 | 15°D46 | 15♌38 | 20♉29 | 27♏27 | S 1 |
| S 2 | 21 13 24 | 16°57'48 | 15°29 | 2♍53 | 15°53 | 14°50 | 17°20 | 9°32 | 17°54 | 22♓34 | 4♉ 3 | 15♌46 | 15°35 | 20°35 | 27°28 | S 2 |
| M 3 | 21 17 21 | 17°55'35 | 27°38 | 2°25 | 15°59 | 15°28 | 17°25 | 9°35 | 17°57 | 22°32 | 4° 3 | 15°47 | 15°32 | 20°42 | 27°29 | M 3 |
| T 4 | 21 21 18 | 18°53'23 | 10♋ 1 | 1°52 | 16° 8 | 16° 7 | 17°30 | 9°37 | 18° 0 | 22°31 | 4° 3 | 15°47 | 15°28 | 20°49 | 27°30 | T 4 |
| W 5 | 21 25 14 | 19°51'13 | 22°38 | 1°13 | 16°18 | 16°46 | 17°35 | 9°40 | 18° 4 | 22°30 | 4° 3 | 15°47 | 15°25 | 20°56 | 27°31 | W 5 |
| T 6 | 21 29 11 | 20°49'04 | 5♌33 | 0°30 | 16°31 | 17°24 | 17°40 | 9°43 | 18° 7 | 22°28 | 4° 3 | 15°48 | 15°22 | 21° 2 | 27°33 | T 6 |
| F 7 | 21 33 7 | 21°46'57 | 18°47 | 29♌42 | 16°46 | 18° 3 | 17°46 | 9°46 | 18°10 | 22°27 | 4° 3 | 15°R48 | 15°19 | 21° 9 | 27°34 | F 7 |
| S 8 | 21 37 4 | 22°44'51 | 2♍17 | 28°52 | 17° 2 | 18°41 | 17°51 | 9°49 | 18°13 | 22°26 | 4° 2 | 15°47 | 15°16 | 21°16 | 27°36 | S 8 |
| S 9 | 21 41 0 | 23°42'47 | 16° 3 | 27°59 | 17°21 | 19°20 | 17°57 | 9°52 | 18°16 | 22°24 | 4° 2 | 15°47 | 15°13 | 21°23 | 27°37 | S 9 |
| M10 | 21 44 57 | 24°40'44 | 0♎ 2 | 27° 4 | 17°41 | 19°58 | 18° 3 | 9°56 | 18°20 | 22°23 | 4° 2 | 15°46 | 15° 9 | 21°29 | 27°39 | M10 |
| T 11 | 21 48 53 | 25°38'43 | 14°10 | 26° 8 | 18° 4 | 20°36 | 18° 9 | 9°59 | 18°23 | 22°21 | 4° 1 | 15°45 | 15° 6 | 21°36 | 27°41 | T 11 |
| W12 | 21 52 50 | 26°36'43 | 28°24 | 25°14 | 18°27 | 21°15 | 18°15 | 10° 2 | 18°26 | 22°20 | 4° 1 | 15°44 | 15° 3 | 21°43 | 27°43 | W12 |
| T 13 | 21 56 47 | 27°34'44 | 12♏40 | 24°21 | 18°53 | 21°53 | 18°22 | 10° 6 | 18°29 | 22°19 | 4° 1 | 15°43 | 15° 0 | 21°49 | 27°45 | T 13 |
| F 14 | 22 0 43 | 28°32'47 | 26°55 | 23°31 | 19°20 | 22°31 | 18°28 | 10°10 | 18°32 | 22°17 | 4° 0 | 15°D42 | 14°57 | 21°56 | 27°47 | F 14 |
| S 15 | 22 4 40 | 29°30'52 | 11♐ 7 | 22°45 | 19°49 | 23° 9 | 18°35 | 10°13 | 18°35 | 22°16 | 4° 0 | 15°43 | 14°54 | 22° 3 | 27°49 | S 15 |
| S 16 | 22 8 36 | 0♍28'57 | 25°13 | 22° 4 | 20°19 | 23°47 | 18°42 | 10°17 | 18°38 | 22°14 | 4° 0 | 15°43 | 14°50 | 22°10 | 27°52 | S 16 |
| M17 | 22 12 33 | 1°27'05 | 9♑11 | 21°30 | 20°51 | 24°25 | 18°49 | 10°21 | 18°41 | 22°13 | 3°59 | 15°45 | 14°47 | 22°16 | 27°54 | M17 |
| T 18 | 22 16 29 | 2°25'13 | 22°59 | 21° 2 | 21°24 | 25° 3 | 18°56 | 10°25 | 18°44 | 22°11 | 3°59 | 15°46 | 14°44 | 22°23 | 27°57 | T 18 |
| W19 | 22 20 26 | 3°23'23 | 6♒37 | 20°43 | 21°58 | 25°41 | 19° 3 | 10°29 | 18°46 | 22° 9 | 3°58 | 15°47 | 14°41 | 22°30 | 27°59 | W19 |
| T 20 | 22 24 22 | 4°21'35 | 20° 2 | 20°31 | 22°34 | 26°19 | 19°10 | 10°33 | 18°49 | 22° 8 | 3°58 | 15°R47 | 14°38 | 22°36 | 28° 2 | T 20 |
| F 21 | 22 28 19 | 5°19'49 | 3♓14 | 20°D28 | 23°11 | 26°57 | 19°18 | 10°37 | 18°52 | 22° 6 | 3°57 | 15°46 | 14°34 | 22°43 | 28° 5 | F 21 |
| S 22 | 22 32 16 | 6°18'04 | 16°11 | 20°34 | 23°49 | 27°35 | 19°26 | 10°41 | 18°55 | 22° 5 | 3°57 | 15°44 | 14°31 | 22°50 | 28° 8 | S 22 |
| S 23 | 22 36 12 | 7°16'21 | 28°53 | 20°49 | 24°28 | 28°13 | 19°33 | 10°46 | 18°58 | 22° 3 | 3°56 | 15°41 | 14°28 | 22°57 | 28°10 | S 23 |
| M24 | 22 40 9 | 8°14'40 | 11♈21 | 21°13 | 25° 9 | 28°50 | 19°41 | 10°50 | 19° 0 | 22° 2 | 3°56 | 15°38 | 14°25 | 23° 3 | 28°13 | M24 |
| T 25 | 22 44 5 | 9°13'01 | 23°36 | 21°46 | 25°50 | 29°28 | 19°49 | 10°55 | 19° 3 | 22° 0 | 3°55 | 15°34 | 14°22 | 23°10 | 28°17 | T 25 |
| W26 | 22 48 2 | 10°11'25 | 5♉40 | 22°27 | 26°33 | 0♌ 6 | 19°57 | 10°59 | 19° 6 | 21°58 | 3°55 | 15°31 | 14°19 | 23°17 | 28°20 | W26 |
| T 27 | 22 51 58 | 11° 9'50 | 17°37 | 23°17 | 27°16 | 0°43 | 20° 6 | 11° 4 | 19° 8 | 21°57 | 3°54 | 15°28 | 14°15 | 23°24 | 28°23 | T 27 |
| F 28 | 22 55 55 | 12° 8'17 | 29°30 | 24°14 | 28° 1 | 1°21 | 20°14 | 11° 8 | 19°11 | 21°55 | 3°53 | 15°26 | 14°12 | 23°30 | 28°26 | F 28 |
| S 29 | 22 59 51 | 13° 6'47 | 11♊23 | 25°19 | 28°47 | 1°58 | 20°23 | 11°13 | 19°13 | 21°53 | 3°53 | 15°D25 | 14° 9 | 23°37 | 28°30 | S 29 |
| S 30 | 23 3 48 | 14° 5'19 | 23°22 | 26°30 | 29°33 | 2°36 | 20°31 | 11°18 | 19°16 | 21°52 | 3°52 | 15°25 | 14° 6 | 23°44 | 28°33 | S 30 |
| M31 | 23 7 44 | 15♍ 3'53 | 5♋30 | 27♌47 | 0♌20 | 3♌13 | 20♏40 | 11♏23 | 19♋18 | 21♓50 | 3♉51 | 15♌26 | 14♌ 3 | 23♉50 | 28♏37 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 6 | 15n59 | 5s 2 | 6n17 | 4s21 | 15n51 | 6s46 | 23n33 | 0n48 | 16s16 | 0n48 | 12s36 | 2n13 | 22n45 | 0n26 | 4s12 | 1s22 | 2s19 | 16s 9 | 16n10 | 16n12 | 12n59 | 15s23 | 4n24 |
| S 2 | 15 48 | 18 10 | 4 35 | 6 19 | 4 27 | 15 55 | 6 42 | 23 30 | 0 49 | 16 18 | 0 48 | 12 37 | 2 13 | 22 45 | 0 26 | 4 13 | 1 22 | 2 20 | 16 10 | 16 10 | 16 13 | 13 1 | 15 23 | 4 23 |
| M 3 | 15 31 | 19 34 | 3 56 | 6 24 | 4 32 | 15 59 | 6 37 | 23 26 | 0 49 | 16 19 | 0 48 | 12 38 | 2 13 | 22 44 | 0 26 | 4 14 | 1 22 | 2 20 | 16 10 | 16 10 | 16 14 | 13 3 | 15 24 | 4 23 |
| T 4 | 15 13 | 20 3 | 3 6 | 6 33 | 4 36 | 16 3 | 6 32 | 23 22 | 0 50 | 16 21 | 0 47 | 12 39 | 2 12 | 22 44 | 0 26 | 4 14 | 1 22 | 2 20 | 16 10 | 16 10 | 16 15 | 13 4 | 15 24 | 4 23 |
| W 5 | 14 55 | 19 34 | 2 5 | 6 45 | 4 38 | 16 7 | 6 27 | 23 18 | 0 50 | 16 23 | 0 47 | 12 40 | 2 12 | 22 43 | 0 26 | 4 15 | 1 22 | 2 21 | 16 11 | 16 9 | 16 16 | 13 6 | 15 25 | 4 23 |
| T 6 | 14 36 | 18 2 | 0 56 | 7 0 | 4 38 | 16 11 | 6 22 | 23 14 | 0 51 | 16 24 | 0 47 | 12 41 | 2 12 | 22 43 | 0 26 | 4 15 | 1 22 | 2 21 | 16 11 | 16 9 | 16 17 | 13 8 | 15 25 | 4 22 |
| F 7 | 14 18 | 15 31 | 0n17 | 7 17 | 4 37 | 16 14 | 6 16 | 23 9 | 0 52 | 16 26 | 0 47 | 12 42 | 2 12 | 22 42 | 0 26 | 4 16 | 1 22 | 2 21 | 16 11 | 16 9 | 16 18 | 13 10 | 15 26 | 4 22 |
| S 8 | 13 59 | 12 6 | 1 30 | 7 38 | 4 34 | 16 18 | 6 10 | 23 4 | 0 52 | 16 28 | 0 47 | 12 44 | 2 11 | 22 42 | 0 26 | 4 16 | 1 22 | 2 22 | 16 12 | 16 9 | 16 19 | 13 12 | 15 26 | 4 22 |
| S 9 | 13 40 | 7 58 | 2 40 | 8 1 | 4 28 | 16 22 | 6 4 | 22 59 | 0 53 | 16 30 | 0 46 | 12 45 | 2 11 | 22 42 | 0 26 | 4 17 | 1 22 | 2 22 | 16 12 | 16 10 | 16 20 | 13 13 | 15 27 | 4 22 |
| M10 | 13 20 | 3 22 | 3 41 | 8 26 | 4 21 | 16 25 | 5 58 | 22 54 | 0 53 | 16 32 | 0 46 | 12 46 | 2 11 | 22 41 | 0 26 | 4 18 | 1 22 | 2 22 | 16 12 | 16 10 | 16 21 | 13 15 | 15 27 | 4 21 |
| T 11 | 13 1 | 1s28 | 4 30 | 8 53 | 4 12 | 16 29 | 5 52 | 22 49 | 0 54 | 16 34 | 0 46 | 12 47 | 2 11 | 22 41 | 0 26 | 4 18 | 1 22 | 2 23 | 16 12 | 16 10 | 16 22 | 13 17 | 15 28 | 4 21 |
| W12 | 12 41 | 6 14 | 5 2 | 9 22 | 4 2 | 16 32 | 5 45 | 22 44 | 0 54 | 16 36 | 0 46 | 12 49 | 2 10 | 22 40 | 0 26 | 4 19 | 1 22 | 2 23 | 16 13 | 16 11 | 16 23 | 13 19 | 15 29 | 4 21 |
| T 13 | 12 21 | 10 41 | 5 16 | 9 51 | 3 49 | 16 35 | 5 39 | 22 38 | 0 55 | 16 38 | 0 45 | 12 50 | 2 10 | 22 40 | 0 26 | 4 19 | 1 22 | 2 23 | 16 13 | 16 11 | 16 23 | 13 21 | 15 29 | 4 21 |
| F 14 | 12 1 | 14 30 | 5 10 | 10 21 | 3 35 | 16 38 | 5 32 | 22 33 | 0 56 | 16 40 | 0 45 | 12 51 | 2 10 | 22 40 | 0 26 | 4 20 | 1 22 | 2 24 | 16 13 | 16 11 | 16 24 | 13 22 | 15 30 | 4 20 |
| S 15 | 11 41 | 17 28 | 4 46 | 10 50 | 3 19 | 16 41 | 5 25 | 22 27 | 0 56 | 16 42 | 0 45 | 12 53 | 2 10 | 22 39 | 0 26 | 4 21 | 1 22 | 2 24 | 16 14 | 16 11 | 16 25 | 13 24 | 15 31 | 4 20 |
| S 16 | 11 20 | 19 22 | 4 4 | 11 19 | 3 2 | 16 44 | 5 18 | 22 21 | 0 57 | 16 44 | 0 45 | 12 54 | 2 10 | 22 39 | 0 26 | 4 21 | 1 22 | 2 25 | 16 14 | 16 11 | 16 26 | 13 26 | 15 32 | 4 20 |
| M17 | 11 0 | 20 4 | 3 9 | 11 47 | 2 45 | 16 46 | 5 11 | 22 15 | 0 57 | 16 46 | 0 45 | 12 56 | 2 9 | 22 39 | 0 26 | 4 22 | 1 22 | 2 25 | 16 14 | 16 10 | 16 27 | 13 28 | 15 32 | 4 20 |
| T 18 | 10 39 | 19 32 | 2 3 | 12 13 | 2 26 | 16 48 | 5 4 | 22 9 | 0 58 | 16 48 | 0 44 | 12 57 | 2 9 | 22 38 | 0 26 | 4 22 | 1 22 | 2 25 | 16 14 | 16 10 | 16 28 | 13 30 | 15 33 | 4 19 |
| W19 | 10 18 | 17 52 | 0 50 | 12 37 | 2 8 | 16 50 | 4 57 | 22 2 | 0 59 | 16 50 | 0 44 | 12 59 | 2 9 | 22 38 | 0 26 | 4 23 | 1 23 | 2 26 | 16 15 | 16 10 | 16 29 | 13 31 | 15 34 | 4 19 |
| T 20 | 9 57 | 15 13 | 0s23 | 12 59 | 1 49 | 16 51 | 4 50 | 21 56 | 0 59 | 16 52 | 0 44 | 13 0 | 2 9 | 22 37 | 0 26 | 4 24 | 1 23 | 2 26 | 16 15 | 16 10 | 16 30 | 13 33 | 15 35 | 4 19 |
| F 21 | 9 35 | 11 50 | 1 35 | 13 18 | 1 30 | 16 52 | 4 43 | 21 49 | 1 0 | 16 55 | 0 44 | 13 2 | 2 8 | 22 37 | 0 26 | 4 24 | 1 23 | 2 27 | 16 15 | 16 10 | 16 31 | 13 35 | 15 36 | 4 19 |
| S 22 | 9 14 | 7 55 | 2 40 | 13 34 | 1 11 | 16 53 | 4 36 | 21 42 | 1 0 | 16 57 | 0 43 | 13 3 | 2 8 | 22 37 | 0 26 | 4 25 | 1 23 | 2 27 | 16 15 | 16 10 | 16 32 | 13 37 | 15 36 | 4 18 |
| S 23 | 8 52 | 3 44 | 3 35 | 13 46 | 0 52 | 16 54 | 4 28 | 21 35 | 1 1 | 16 59 | 0 43 | 13 5 | 2 8 | 22 36 | 0 26 | 4 26 | 1 23 | 2 27 | 16 16 | 16 11 | 16 33 | 13 39 | 15 37 | 4 18 |
| M24 | 8 30 | 0n31 | 4 20 | 13 56 | 0 35 | 16 54 | 4 21 | 21 28 | 1 1 | 17 1 | 0 43 | 13 6 | 2 8 | 22 36 | 0 26 | 4 26 | 1 23 | 2 28 | 16 16 | 16 12 | 16 34 | 13 40 | 15 38 | 4 18 |
| T 25 | 8 8 | 4 41 | 4 51 | 14 1 | 0 18 | 16 53 | 4 14 | 21 21 | 1 2 | 17 4 | 0 43 | 13 8 | 2 8 | 22 36 | 0 26 | 4 27 | 1 23 | 2 28 | 16 16 | 16 13 | 16 35 | 13 42 | 15 39 | 4 18 |
| W26 | 7 46 | 8 36 | 5 9 | 14 3 | 0 1 | 16 53 | 4 7 | 21 13 | 1 3 | 17 6 | 0 43 | 13 9 | 2 7 | 22 35 | 0 26 | 4 28 | 1 23 | 2 29 | 16 17 | 16 14 | 16 36 | 13 44 | 15 40 | 4 18 |
| T 27 | 7 24 | 12 8 | 5 13 | 14 1 | 0n14 | 16 52 | 3 59 | 21 6 | 1 3 | 17 9 | 0 42 | 13 11 | 2 7 | 22 35 | 0 26 | 4 28 | 1 23 | 2 29 | 16 17 | 16 15 | 16 36 | 13 46 | 15 41 | 4 17 |
| F 28 | 7 2 | 15 9 | 5 4 | 13 56 | 0 28 | 16 50 | 3 52 | 20 58 | 1 4 | 17 11 | 0 42 | 13 13 | 2 7 | 22 35 | 0 26 | 4 29 | 1 23 | 2 30 | 16 17 | 16 16 | 16 37 | 13 47 | 15 42 | 4 17 |
| S 29 | 6 39 | 17 34 | 4 42 | 13 46 | 0 41 | 16 48 | 3 45 | 20 50 | 1 4 | 17 14 | 0 42 | 13 14 | 2 7 | 22 34 | 0 26 | 4 30 | 1 23 | 2 30 | 16 17 | 16 16 | 16 38 | 13 49 | 15 43 | 4 17 |
| S 30 | 6 17 | 19 14 | 4 8 | 13 33 | 0 53 | 16 46 | 3 37 | 20 42 | 1 5 | 17 16 | 0 42 | 13 16 | 2 7 | 22 34 | 0 26 | 4 30 | 1 23 | 2 31 | 16 18 | 16 16 | 16 39 | 13 51 | 15 44 | 4 17 |
| M31 | 5n54 | 20n 3 | 3s22 | 13n17 | 1n 4 | 16n43 | 3s30 | 20n34 | 1n 6 | 17s18 | 0n42 | 13s18 | 2n 6 | 22n34 | 0n26 | 4s31 | 1s23 | 2s31 | 16s18 | 16n16 | 16n40 | 13n53 | 15s45 | 4n17 |

Julian Day Number = 2220201.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'18, Lahiri = 15°01'18 Julian Calendar 1 Aug. 1366 == Greg. Calendar 9 Aug. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## SEPTEMBER 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 11 41 | 16♍ 2'29 | 17♋53 | 29♌10 | 1♌ 8 | 3♌50 | 20♏49 | 11♏28 | 19♋20 | 21°R48 | 3°R51 | 15♌28 | 13♌59 | 23♉57 | 28♏41 | T 1 |
| W 2 | 23 15 38 | 17° 1'08 | 0♌35 | 0♍38 | 1°57 | 4°28 | 20°58 | 11°33 | 19°23 | 21♓47 | 3♉50 | 15°30 | 13°56 | 24° 4 | 28°45 | W 2 |
| T 3 | 23 19 34 | 17°59'49 | 13°38 | 2°10 | 2°47 | 5° 5 | 21° 7 | 11°38 | 19°25 | 21°45 | 3°49 | 15°R30 | 13°53 | 24°11 | 28°48 | T 3 |
| F 4 | 23 23 31 | 18°58'32 | 27° 5 | 3°46 | 3°38 | 5°42 | 21°16 | 11°43 | 19°27 | 21°44 | 3°48 | 15°30 | 13°50 | 24°17 | 28°52 | F 4 |
| S 5 | 23 27 27 | 19°57'17 | 10♍55 | 5°25 | 4°29 | 6°19 | 21°25 | 11°48 | 19°30 | 21°42 | 3°48 | 15°28 | 13°47 | 24°24 | 28°56 | S 5 |
| S 6 | 23 31 24 | 20°56'04 | 25° 6 | 7° 6 | 5°21 | 6°56 | 21°35 | 11°53 | 19°32 | 21°40 | 3°47 | 15°24 | 13°44 | 24°31 | 29° 0 | S 6 |
| M 7 | 23 35 20 | 21°54'52 | 9♎33 | 8°50 | 6°13 | 7°33 | 21°44 | 11°59 | 19°34 | 21°39 | 3°46 | 15°19 | 13°40 | 24°37 | 29° 5 | M 7 |
| T 8 | 23 39 17 | 22°53'43 | 24°10 | 10°35 | 7° 6 | 8°10 | 21°54 | 12° 4 | 19°36 | 21°37 | 3°45 | 15°13 | 13°37 | 24°44 | 29° 9 | T 8 |
| W 9 | 23 43 13 | 23°52'36 | 8♏49 | 12°22 | 8° 0 | 8°47 | 22° 4 | 12° 9 | 19°38 | 21°35 | 3°44 | 15° 8 | 13°34 | 24°51 | 29°13 | W 9 |
| T 10 | 23 47 10 | 24°51'31 | 23°25 | 14° 9 | 8°55 | 9°24 | 22°14 | 12°15 | 19°40 | 21°34 | 3°44 | 15° 3 | 13°31 | 24°58 | 29°18 | T 10 |
| F 11 | 23 51 7 | 25°50'27 | 7♐51 | 15°58 | 9°50 | 10° 1 | 22°24 | 12°21 | 19°42 | 21°32 | 3°43 | 15° 0 | 13°28 | 25° 4 | 29°22 | F 11 |
| S 12 | 23 55 3 | 26°49'26 | 22° 4 | 17°46 | 10°45 | 10°38 | 22°34 | 12°26 | 19°44 | 21°30 | 3°42 | 14°D58 | 13°25 | 25°11 | 29°27 | S 12 |
| S 13 | 23 59 0 | 27°48'26 | 6♑ 1 | 19°35 | 11°41 | 11°14 | 22°44 | 12°32 | 19°46 | 21°29 | 3°41 | 14°59 | 13°21 | 25°18 | 29°31 | S 13 |
| M14 | 0 2 56 | 28°47'27 | 19°44 | 21°24 | 12°38 | 11°51 | 22°54 | 12°38 | 19°48 | 21°27 | 3°40 | 15° 0 | 13°18 | 25°25 | 29°36 | M14 |
| T 15 | 0 6 53 | 29°46'31 | 3♒12 | 23°12 | 13°35 | 12°28 | 23° 5 | 12°43 | 19°49 | 21°25 | 3°39 | 15° 1 | 13°15 | 25°31 | 29°41 | T 15 |
| W16 | 0 10 49 | 0♎45'36 | 16°26 | 25° 0 | 14°33 | 13° 4 | 23°15 | 12°49 | 19°51 | 21°24 | 3°38 | 15°R 2 | 13°12 | 25°38 | 29°45 | W16 |
| T 17 | 0 14 46 | 1°44'43 | 29°27 | 26°48 | 15°31 | 13°41 | 23°26 | 12°55 | 19°53 | 21°22 | 3°37 | 15° 1 | 13° 9 | 25°45 | 29°50 | T 17 |
| F 18 | 0 18 42 | 2°43'53 | 12♓17 | 28°35 | 16°30 | 14°17 | 23°36 | 13° 1 | 19°54 | 21°20 | 3°37 | 14°57 | 13° 5 | 25°51 | 29°55 | F 18 |
| S 19 | 0 22 39 | 3°43'04 | 24°56 | 0♎22 | 17°29 | 14°53 | 23°47 | 13° 7 | 19°56 | 21°19 | 3°36 | 14°52 | 13° 2 | 25°58 | 0♐ 0 | S 19 |
| S 20 | 0 26 36 | 4°42'17 | 7♈24 | 2° 8 | 18°28 | 15°30 | 23°58 | 13°13 | 19°58 | 21°17 | 3°35 | 14°44 | 12°59 | 26° 5 | 0° 5 | S 20 |
| M21 | 0 30 32 | 5°41'32 | 19°42 | 3°54 | 19°28 | 16° 6 | 24° 9 | 13°19 | 19°59 | 21°16 | 3°34 | 14°35 | 12°56 | 26°12 | 0°10 | M21 |
| T 22 | 0 34 29 | 6°40'49 | 1♉51 | 5°38 | 20°29 | 16°42 | 24°20 | 13°25 | 20° 1 | 21°14 | 3°33 | 14°25 | 12°53 | 26°18 | 0°16 | T 22 |
| W23 | 0 38 25 | 7°40'09 | 13°51 | 7°22 | 21°30 | 17°18 | 24°31 | 13°31 | 20° 2 | 21°12 | 3°32 | 14°15 | 12°50 | 26°25 | 0°21 | W23 |
| T 24 | 0 42 22 | 8°39'30 | 25°46 | 9° 6 | 22°31 | 17°54 | 24°42 | 13°38 | 20° 3 | 21°11 | 3°31 | 14° 6 | 12°46 | 26°32 | 0°26 | T 24 |
| F 25 | 0 46 18 | 9°38'54 | 7♊37 | 10°48 | 23°33 | 18°30 | 24°53 | 13°44 | 20° 5 | 21° 9 | 3°30 | 13°59 | 12°43 | 26°38 | 0°32 | F 25 |
| S 26 | 0 50 15 | 10°38'21 | 19°28 | 12°30 | 24°35 | 19° 6 | 25° 4 | 13°50 | 20° 6 | 21° 8 | 3°29 | 13°54 | 12°40 | 26°45 | 0°37 | S 26 |
| S 27 | 0 54 11 | 11°37'50 | 1♋24 | 14°11 | 25°37 | 19°42 | 25°16 | 13°56 | 20° 7 | 21° 6 | 3°28 | 13°52 | 12°37 | 26°52 | 0°43 | S 27 |
| M28 | 0 58 8 | 12°37'21 | 13°29 | 15°52 | 26°40 | 20°18 | 25°27 | 14° 3 | 20° 8 | 21° 5 | 3°27 | 13°D51 | 12°34 | 26°59 | 0°48 | M28 |
| T 29 | 1 2 4 | 13°36'54 | 25°48 | 17°32 | 27°43 | 20°54 | 25°39 | 14° 9 | 20° 9 | 21° 3 | 3°25 | 13°52 | 12°31 | 27° 5 | 0°54 | T 29 |
| W30 | 1 6 1 | 14♎36'30 | 8♌27 | 19♎11 | 28♌46 | 21♌30 | 25♏50 | 14♏16 | 20♋10 | 21♓ 2 | 3♉24 | 13°R52 | 12♌27 | 27♉12 | 0♐59 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n31 | 19n55 | 2s25 | 12n57 | 1n14 | 16n40 | 3s23 | 20n26 | 1n 6 | 17s21 | 0n42 | 13s19 | 2n 6 | 22n33 | 0n26 | 4s32 | 1s23 | 2s31 | 16s18 | 16n15 | 16n41 | 13n55 | 15s46 | 4n16 |
| W 2 | 5 9 | 18 47 | 1 21 | 12 34 | 1 22 | 16 37 | 3 16 | 20 17 | 1 7 | 17 24 | 0 41 | 13 21 | 2 6 | 22 33 | 0 26 | 4 32 | 1 23 | 2 32 | 16 18 | 16 15 | 16 42 | 13 56 | 15 47 | 4 16 |
| T 3 | 4 46 | 16 37 | 0 10 | 12 8 | 1 29 | 16 33 | 3 9 | 20 9 | 1 7 | 17 26 | 0 41 | 13 23 | 2 6 | 22 33 | 0 26 | 4 33 | 1 23 | 2 32 | 16 18 | 16 14 | 16 43 | 13 58 | 15 48 | 4 16 |
| F 4 | 4 23 | 13 30 | 1n 3 | 11 39 | 1 36 | 16 28 | 3 1 | 20 0 | 1 8 | 17 29 | 0 41 | 13 25 | 2 6 | 22 32 | 0 26 | 4 34 | 1 23 | 2 33 | 16 19 | 16 15 | 16 44 | 14 0 | 15 49 | 4 16 |
| S 5 | 3 59 | 9 34 | 2 14 | 11 7 | 1 41 | 16 23 | 2 54 | 19 52 | 1 8 | 17 31 | 0 41 | 13 26 | 2 5 | 22 32 | 0 27 | 4 34 | 1 23 | 2 33 | 16 19 | 16 15 | 16 45 | 14 2 | 15 50 | 4 15 |
| S 6 | 3 36 | 5 0 | 3 19 | 10 33 | 1 45 | 16 18 | 2 47 | 19 43 | 1 9 | 17 34 | 0 41 | 13 28 | 2 5 | 22 32 | 0 27 | 4 35 | 1 23 | 2 34 | 16 19 | 16 16 | 16 46 | 14 3 | 15 51 | 4 15 |
| M 7 | 3 13 | 0 4 | 4 12 | 9 57 | 1 48 | 16 12 | 2 40 | 19 34 | 1 10 | 17 37 | 0 40 | 13 30 | 2 5 | 22 32 | 0 27 | 4 36 | 1 23 | 2 34 | 16 19 | 16 18 | 16 47 | 14 5 | 15 52 | 4 15 |
| T 8 | 2 50 | 4s55 | 4 49 | 9 19 | 1 50 | 16 5 | 2 33 | 19 25 | 1 10 | 17 39 | 0 40 | 13 32 | 2 5 | 22 31 | 0 27 | 4 36 | 1 23 | 2 35 | 16 20 | 16 20 | 16 48 | 14 7 | 15 53 | 4 15 |
| W 9 | 2 26 | 9 37 | 5 8 | 8 40 | 1 52 | 15 58 | 2 26 | 19 16 | 1 11 | 17 42 | 0 40 | 13 34 | 2 5 | 22 31 | 0 27 | 4 37 | 1 23 | 2 35 | 16 20 | 16 21 | 16 48 | 14 9 | 15 54 | 4 15 |
| T 10 | 2 3 | 13 44 | 5 7 | 7 59 | 1 52 | 15 51 | 2 19 | 19 6 | 1 11 | 17 45 | 0 40 | 13 35 | 2 4 | 22 31 | 0 27 | 4 38 | 1 23 | 2 35 | 16 20 | 16 23 | 16 49 | 14 10 | 15 55 | 4 15 |
| F 11 | 1 40 | 16 59 | 4 46 | 7 16 | 1 52 | 15 43 | 2 13 | 18 57 | 1 12 | 17 47 | 0 40 | 13 37 | 2 4 | 22 30 | 0 27 | 4 38 | 1 23 | 2 36 | 16 20 | 16 23 | 16 50 | 14 12 | 15 56 | 4 14 |
| S 12 | 1 16 | 19 10 | 4 8 | 6 33 | 1 51 | 15 35 | 2 6 | 18 48 | 1 13 | 17 50 | 0 40 | 13 39 | 2 4 | 22 30 | 0 27 | 4 39 | 1 23 | 2 36 | 16 20 | 16 24 | 16 51 | 14 14 | 15 58 | 4 14 |
| S 13 | 0 53 | 20 8 | 3 15 | 5 49 | 1 50 | 15 26 | 1 59 | 18 38 | 1 13 | 17 53 | 0 39 | 13 41 | 2 4 | 22 30 | 0 27 | 4 40 | 1 23 | 2 37 | 16 20 | 16 24 | 16 52 | 14 16 | 15 59 | 4 14 |
| M14 | 0 29 | 19 53 | 2 13 | 5 4 | 1 47 | 15 17 | 1 52 | 18 28 | 1 14 | 17 56 | 0 39 | 13 43 | 2 4 | 22 30 | 0 27 | 4 40 | 1 23 | 2 37 | 16 21 | 16 23 | 16 53 | 14 17 | 16 0 | 4 14 |
| T 15 | 0 5 | 18 29 | 1 4 | 4 19 | 1 45 | 15 7 | 1 46 | 18 19 | 1 14 | 17 59 | 0 39 | 13 45 | 2 4 | 22 30 | 0 27 | 4 41 | 1 23 | 2 38 | 16 21 | 16 23 | 16 54 | 14 19 | 16 1 | 4 14 |
| W16 | 0s18 | 16 5 | 0s 8 | 3 33 | 1 42 | 14 56 | 1 39 | 18 9 | 1 15 | 18 1 | 0 39 | 13 47 | 2 3 | 22 29 | 0 27 | 4 41 | 1 23 | 2 38 | 16 21 | 16 23 | 16 55 | 14 21 | 16 2 | 4 14 |
| T 17 | 0 42 | 12 54 | 1 17 | 2 46 | 1 38 | 14 46 | 1 33 | 17 59 | 1 15 | 18 4 | 0 39 | 13 49 | 2 3 | 22 29 | 0 27 | 4 42 | 1 23 | 2 39 | 16 21 | 16 23 | 16 56 | 14 23 | 16 3 | 4 13 |
| F 18 | 1 5 | 9 9 | 2 22 | 2 0 | 1 34 | 14 34 | 1 26 | 17 49 | 1 16 | 18 7 | 0 38 | 13 51 | 2 3 | 22 29 | 0 27 | 4 43 | 1 23 | 2 39 | 16 21 | 16 24 | 16 57 | 14 24 | 16 5 | 4 13 |
| S 19 | 1 29 | 5 3 | 3 18 | 1 13 | 1 30 | 14 22 | 1 20 | 17 39 | 1 17 | 18 10 | 0 38 | 13 52 | 2 3 | 22 29 | 0 27 | 4 43 | 1 23 | 2 39 | 16 21 | 16 26 | 16 58 | 14 26 | 16 6 | 4 13 |
| S 20 | 1 53 | 0 47 | 4 4 | 0 27 | 1 25 | 14 10 | 1 14 | 17 28 | 1 17 | 18 13 | 0 38 | 13 54 | 2 3 | 22 28 | 0 27 | 4 44 | 1 23 | 2 40 | 16 22 | 16 28 | 16 58 | 14 28 | 16 7 | 4 13 |
| M21 | 2 16 | 3n27 | 4 37 | 0s20 | 1 20 | 13 57 | 1 8 | 17 18 | 1 18 | 18 15 | 0 38 | 13 56 | 2 3 | 22 28 | 0 27 | 4 45 | 1 23 | 2 40 | 16 22 | 16 31 | 16 59 | 14 30 | 16 8 | 4 13 |
| T 22 | 2 40 | 7 29 | 4 58 | 1 6 | 1 15 | 13 44 | 1 2 | 17 8 | 1 18 | 18 18 | 0 38 | 13 58 | 2 2 | 22 28 | 0 27 | 4 45 | 1 23 | 2 41 | 16 22 | 16 34 | 17 0 | 14 31 | 16 9 | 4 13 |
| W23 | 3 3 | 11 11 | 5 5 | 1 53 | 1 9 | 13 31 | 0 56 | 16 57 | 1 19 | 18 21 | 0 38 | 14 0 | 2 2 | 22 28 | 0 27 | 4 46 | 1 23 | 2 41 | 16 22 | 16 37 | 17 1 | 14 33 | 16 11 | 4 12 |
| T 24 | 3 27 | 14 25 | 4 59 | 2 39 | 1 3 | 13 16 | 0 50 | 16 47 | 1 20 | 18 24 | 0 38 | 14 2 | 2 2 | 22 28 | 0 27 | 4 47 | 1 23 | 2 42 | 16 22 | 16 39 | 17 2 | 14 35 | 16 12 | 4 12 |
| F 25 | 3 50 | 17 3 | 4 40 | 3 25 | 0 57 | 13 2 | 0 44 | 16 36 | 1 20 | 18 27 | 0 37 | 14 4 | 2 2 | 22 28 | 0 27 | 4 47 | 1 23 | 2 42 | 16 22 | 16 41 | 17 3 | 14 37 | 16 13 | 4 12 |
| S 26 | 4 14 | 18 58 | 4 9 | 4 10 | 0 51 | 12 47 | 0 38 | 16 25 | 1 21 | 18 30 | 0 37 | 14 6 | 2 2 | 22 27 | 0 27 | 4 48 | 1 23 | 2 43 | 16 22 | 16 43 | 17 4 | 14 38 | 16 14 | 4 12 |
| S 27 | 4 37 | 20 4 | 3 27 | 4 55 | 0 45 | 12 31 | 0 32 | 16 15 | 1 21 | 18 33 | 0 37 | 14 8 | 2 2 | 22 27 | 0 27 | 4 48 | 1 23 | 2 43 | 16 23 | 16 43 | 17 5 | 14 40 | 16 16 | 4 12 |
| M28 | 5 0 | 20 16 | 2 35 | 5 40 | 0 39 | 12 15 | 0 27 | 16 4 | 1 22 | 18 36 | 0 37 | 14 10 | 2 2 | 22 27 | 0 27 | 4 49 | 1 23 | 2 43 | 16 23 | 16 44 | 17 6 | 14 42 | 16 17 | 4 12 |
| T 29 | 5 23 | 19 30 | 1 35 | 6 24 | 0 32 | 11 59 | 0 21 | 15 53 | 1 23 | 18 38 | 0 37 | 14 12 | 2 2 | 22 27 | 0 27 | 4 50 | 1 23 | 2 44 | 16 23 | 16 43 | 17 7 | 14 43 | 16 18 | 4 12 |
| W30 | 5s47 | 17n45 | 0s29 | 7s 8 | 0n26 | 11n42 | 0s16 | 15n42 | 1n23 | 18s41 | 0n37 | 14s14 | 2n 1 | 22n27 | 0n27 | 4s50 | 1s23 | 2s44 | 16s23 | 16n43 | 17n 7 | 14n45 | 16s19 | 4n12 |

Julian Day Number = 2220232.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'22, Lahiri = 15°01'23 Julian Calendar 1 Sept. 1366 == Greg. Calendar 9 Sept. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## OCTOBER 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 9 58 | 15♎36'08 | 21♌30 | 20♎49 | 29♌50 | 22♌ 5 | 26♏ 2 | 14♏22 | 20♋11 | 21°R 0 | 3°R23 | 13°R52 | 12♌24 | 27♉19 | 1♐ 5 | T 1 |
| F 2 | 1 13 54 | 16°35'48 | 5♍ 0 | 22°27 | 0♍54 | 22°41 | 26°14 | 14°29 | 20°12 | 20♓59 | 3♉22 | 13♌50 | 12°21 | 27°25 | 1°11 | F 2 |
| S 3 | 1 17 51 | 17°35'31 | 18°58 | 24° 4 | 1°58 | 23°16 | 26°26 | 14°35 | 20°13 | 20°57 | 3°21 | 13°46 | 12°18 | 27°32 | 1°17 | S 3 |
| S 4 | 1 21 47 | 18°35'15 | 3♎23 | 25°41 | 3° 3 | 23°52 | 26°38 | 14°42 | 20°14 | 20°56 | 3°20 | 13°39 | 12°15 | 27°39 | 1°23 | S 4 |
| M 5 | 1 25 44 | 19°35'02 | 18°11 | 27°17 | 4° 8 | 24°27 | 26°50 | 14°49 | 20°15 | 20°54 | 3°19 | 13°30 | 12°11 | 27°46 | 1°29 | M 5 |
| T 6 | 1 29 40 | 20°34'51 | 3♏12 | 28°52 | 5°13 | 25° 3 | 27° 2 | 14°55 | 20°15 | 20°53 | 3°18 | 13°20 | 12° 8 | 27°52 | 1°35 | T 6 |
| W 7 | 1 33 37 | 21°34'42 | 18°17 | 0♏27 | 6°19 | 25°38 | 27°14 | 15° 2 | 20°16 | 20°52 | 3°17 | 13° 9 | 12° 5 | 27°59 | 1°41 | W 7 |
| T 8 | 1 37 33 | 22°34'34 | 3♐17 | 2° 1 | 7°24 | 26°13 | 27°26 | 15° 9 | 20°17 | 20°50 | 3°16 | 13° 0 | 12° 2 | 28° 6 | 1°47 | T 8 |
| F 9 | 1 41 30 | 23°34'29 | 18° 2 | 3°35 | 8°30 | 26°48 | 27°38 | 15°15 | 20°17 | 20°49 | 3°15 | 12°53 | 11°59 | 28°12 | 1°53 | F 9 |
| S 10 | 1 45 27 | 24°34'25 | 2♑27 | 5° 8 | 9°37 | 27°23 | 27°51 | 15°22 | 20°18 | 20°47 | 3°14 | 12°49 | 11°56 | 28°19 | 1°59 | S 10 |
| S 11 | 1 49 23 | 25°34'23 | 16°29 | 6°41 | 10°43 | 27°58 | 28° 3 | 15°29 | 20°18 | 20°46 | 3°12 | 12°48 | 11°52 | 28°26 | 2° 5 | S 11 |
| M12 | 1 53 20 | 26°34'22 | 0♒ 9 | 8°14 | 11°50 | 28°33 | 28°15 | 15°36 | 20°18 | 20°45 | 3°11 | 12°D47 | 11°49 | 28°33 | 2°11 | M12 |
| T 13 | 1 57 16 | 27°34'23 | 13°27 | 9°45 | 12°57 | 29° 8 | 28°28 | 15°43 | 20°19 | 20°44 | 3°10 | 12°R47 | 11°46 | 28°39 | 2°18 | T 13 |
| W14 | 2 1 13 | 28°34'26 | 26°27 | 11°17 | 14° 4 | 29°43 | 28°40 | 15°50 | 20°19 | 20°42 | 3° 9 | 12°47 | 11°43 | 28°46 | 2°24 | W14 |
| T 15 | 2 5 9 | 29°34'30 | 9♓12 | 12°47 | 15°11 | 0♍17 | 28°53 | 15°56 | 20°19 | 20°41 | 3° 8 | 12°44 | 11°40 | 28°53 | 2°31 | T 15 |
| F 16 | 2 9 6 | 0♏34'36 | 21°44 | 14°18 | 16°19 | 0°52 | 29° 5 | 16° 3 | 20°19 | 20°40 | 3° 7 | 12°39 | 11°36 | 29° 0 | 2°37 | F 16 |
| S 17 | 2 13 2 | 1°34'44 | 4♈ 7 | 15°48 | 17°27 | 1°27 | 29°18 | 16°10 | 20°20 | 20°39 | 3° 6 | 12°30 | 11°33 | 29° 6 | 2°43 | S 17 |
| S 18 | 2 16 59 | 2°34'53 | 16°21 | 17°17 | 18°35 | 2° 1 | 29°31 | 16°17 | 20°R20 | 20°38 | 3° 5 | 12°19 | 11°30 | 29°13 | 2°50 | S 18 |
| M19 | 2 20 56 | 3°35'04 | 28°28 | 18°46 | 19°43 | 2°35 | 29°44 | 16°24 | 20°20 | 20°37 | 3° 3 | 12° 6 | 11°27 | 29°20 | 2°56 | M19 |
| T 20 | 2 24 52 | 4°35'17 | 10♉29 | 20°14 | 20°52 | 3°10 | 29°56 | 16°31 | 20°19 | 20°35 | 3° 2 | 11°51 | 11°24 | 29°26 | 3° 3 | T 20 |
| W21 | 2 28 49 | 5°35'32 | 22°25 | 21°42 | 22° 0 | 3°44 | 0♐ 9 | 16°38 | 20°19 | 20°34 | 3° 1 | 11°37 | 11°21 | 29°33 | 3°10 | W21 |
| T 22 | 2 32 45 | 6°35'49 | 4♊17 | 23°10 | 23° 9 | 4°18 | 0°22 | 16°45 | 20°19 | 20°33 | 3° 0 | 11°23 | 11°17 | 29°40 | 3°16 | T 22 |
| F 23 | 2 36 42 | 7°36'07 | 16° 7 | 24°37 | 24°18 | 4°52 | 0°35 | 16°52 | 20°19 | 20°32 | 2°59 | 11°12 | 11°14 | 29°47 | 3°23 | F 23 |
| S 24 | 2 40 38 | 8°36'28 | 27°58 | 26° 3 | 25°27 | 5°26 | 0°48 | 16°59 | 20°19 | 20°31 | 2°58 | 11° 4 | 11°11 | 29°53 | 3°30 | S 24 |
| S 25 | 2 44 35 | 9°36'50 | 9♋53 | 27°28 | 26°37 | 6° 0 | 1° 1 | 17° 6 | 20°18 | 20°30 | 2°57 | 10°59 | 11° 8 | 29°59 | 3°36 | S 25 |
| M26 | 2 48 31 | 10°37'15 | 21°56 | 28°53 | 27°46 | 6°34 | 1°14 | 17°13 | 20°18 | 20°29 | 2°56 | 10°56 | 11° 5 | 0♊ 7 | 3°43 | M26 |
| T 27 | 2 52 28 | 11°37'41 | 4♌12 | 0♐18 | 28°56 | 7° 7 | 1°27 | 17°21 | 20°18 | 20°29 | 2°54 | 10°55 | 11° 2 | 0°13 | 3°50 | T 27 |
| W28 | 2 56 25 | 12°38'09 | 16°45 | 1°41 | 0♎ 6 | 7°41 | 1°41 | 17°28 | 20°17 | 20°28 | 2°53 | 10°55 | 10°58 | 0°20 | 3°57 | W28 |
| T 29 | 3 0 21 | 13°38'39 | 29°41 | 3° 3 | 1°16 | 8°15 | 1°54 | 17°35 | 20°17 | 20°27 | 2°52 | 10°55 | 10°55 | 0°27 | 4° 3 | T 29 |
| F 30 | 3 4 18 | 14°39'11 | 13♍ 5 | 4°25 | 2°26 | 8°48 | 2° 7 | 17°42 | 20°16 | 20°26 | 2°51 | 10°52 | 10°52 | 0°34 | 4°10 | F 30 |
| S 31 | 3 8 14 | 15♏39'45 | 26♍59 | 5♐45 | 3♎36 | 9♍21 | 2♐20 | 17♏49 | 20♋15 | 20♓25 | 2♉50 | 10♌48 | 10♌49 | 0♊40 | 4♐17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s10 | 15n 2 | 0n41 | 7s52 | 0n19 | 11n24 | 0s10 | 15n31 | 1n24 | 18s44 | 0n36 | 14s16 | 2n 1 | 22n27 | 0n27 | 4s51 | 1s23 | 2s45 | 16s23 | 16n43 | 17n 8 | 14n47 | 16s20 | 4n12 |
| F 2 | 6 33 | 11 25 | 1 50 | 8 35 | 0 12 | 11 7 | 0 5 | 15 20 | 1 24 | 18 47 | 0 36 | 14 18 | 2 1 | 22 27 | 0 27 | 4 51 | 1 23 | 2 45 | 16 23 | 16 44 | 17 9 | 14 49 | 16 22 | 4 11 |
| S 3 | 6 56 | 7 4 | 2 55 | 9 17 | 0 5 | 10 48 | 0 0 | 15 9 | 1 25 | 18 50 | 0 36 | 14 20 | 2 1 | 22 27 | 0 27 | 4 52 | 1 23 | 2 46 | 16 23 | 16 45 | 17 10 | 14 50 | 16 23 | 4 11 |
| S 4 | 7 18 | 2 11 | 3 52 | 9 59 | 0s 1 | 10 30 | 0n 5 | 14 57 | 1 26 | 18 53 | 0 36 | 14 23 | 2 1 | 22 27 | 0 27 | 4 52 | 1 23 | 2 46 | 16 23 | 16 47 | 17 11 | 14 52 | 16 24 | 4 11 |
| M 5 | 7 41 | 2s56 | 4 34 | 10 40 | 0 8 | 10 11 | 0 10 | 14 46 | 1 26 | 18 56 | 0 36 | 14 25 | 2 1 | 22 26 | 0 27 | 4 53 | 1 23 | 2 46 | 16 23 | 16 50 | 17 12 | 14 54 | 16 26 | 4 11 |
| T 6 | 8 4 | 7 57 | 4 58 | 11 20 | 0 15 | 9 52 | 0 15 | 14 35 | 1 27 | 18 59 | 0 36 | 14 27 | 2 1 | 22 26 | 0 27 | 4 53 | 1 23 | 2 47 | 16 23 | 16 53 | 17 13 | 14 55 | 16 27 | 4 11 |
| W 7 | 8 26 | 12 30 | 5 1 | 12 0 | 0 22 | 9 32 | 0 20 | 14 23 | 1 27 | 19 2 | 0 36 | 14 29 | 2 1 | 22 26 | 0 28 | 4 54 | 1 23 | 2 47 | 16 23 | 16 56 | 17 14 | 14 57 | 16 28 | 4 11 |
| T 8 | 8 49 | 16 14 | 4 44 | 12 40 | 0 28 | 9 12 | 0 24 | 14 12 | 1 28 | 19 5 | 0 36 | 14 31 | 2 0 | 22 26 | 0 28 | 4 55 | 1 23 | 2 48 | 16 23 | 16 58 | 17 15 | 14 59 | 16 29 | 4 11 |
| F 9 | 9 11 | 18 52 | 4 8 | 13 18 | 0 35 | 8 51 | 0 29 | 14 0 | 1 29 | 19 7 | 0 35 | 14 33 | 2 0 | 22 26 | 0 28 | 4 55 | 1 23 | 2 48 | 16 23 | 17 0 | 17 15 | 15 0 | 16 31 | 4 11 |
| S 10 | 9 33 | 20 13 | 3 17 | 13 56 | 0 42 | 8 30 | 0 33 | 13 49 | 1 29 | 19 10 | 0 35 | 14 35 | 2 0 | 22 26 | 0 28 | 4 56 | 1 23 | 2 48 | 16 23 | 17 1 | 17 16 | 15 2 | 16 32 | 4 11 |
| S 11 | 9 55 | 20 16 | 2 15 | 14 33 | 0 48 | 8 9 | 0 38 | 13 37 | 1 30 | 19 13 | 0 35 | 14 37 | 2 0 | 22 26 | 0 28 | 4 56 | 1 23 | 2 49 | 16 23 | 17 2 | 17 17 | 15 4 | 16 33 | 4 11 |
| M12 | 10 17 | 19 6 | 1 7 | 15 10 | 0 55 | 7 48 | 0 42 | 13 26 | 1 30 | 19 16 | 0 35 | 14 39 | 2 0 | 22 26 | 0 28 | 4 57 | 1 23 | 2 49 | 16 23 | 17 2 | 17 18 | 15 6 | 16 34 | 4 11 |
| T 13 | 10 39 | 16 54 | 0s 3 | 15 45 | 1 1 | 7 26 | 0 46 | 13 14 | 1 31 | 19 19 | 0 35 | 14 41 | 2 0 | 22 26 | 0 28 | 4 57 | 1 23 | 2 50 | 16 23 | 17 2 | 17 19 | 15 7 | 16 36 | 4 11 |
| W14 | 11 0 | 13 52 | 1 12 | 16 20 | 1 8 | 7 4 | 0 50 | 13 2 | 1 32 | 19 22 | 0 35 | 14 43 | 2 0 | 22 26 | 0 28 | 4 57 | 1 22 | 2 50 | 16 24 | 17 2 | 17 20 | 15 9 | 16 37 | 4 11 |
| T 15 | 11 22 | 10 14 | 2 15 | 16 54 | 1 14 | 6 41 | 0 54 | 12 51 | 1 32 | 19 25 | 0 35 | 14 45 | 2 0 | 22 26 | 0 28 | 4 58 | 1 22 | 2 50 | 16 24 | 17 3 | 17 21 | 15 11 | 16 38 | 4 11 |
| F 16 | 11 43 | 6 12 | 3 10 | 17 27 | 1 20 | 6 18 | 0 58 | 12 39 | 1 33 | 19 28 | 0 34 | 14 47 | 2 0 | 22 26 | 0 28 | 4 58 | 1 22 | 2 51 | 16 24 | 17 4 | 17 22 | 15 12 | 16 39 | 4 11 |
| S 17 | 12 4 | 1 58 | 3 56 | 18 0 | 1 26 | 5 55 | 1 2 | 12 27 | 1 33 | 19 31 | 0 34 | 14 49 | 2 0 | 22 26 | 0 28 | 4 59 | 1 22 | 2 51 | 16 23 | 17 7 | 17 23 | 15 14 | 16 41 | 4 10 |
| S 18 | 12 25 | 2n18 | 4 30 | 18 31 | 1 32 | 5 32 | 1 5 | 12 15 | 1 34 | 19 33 | 0 34 | 14 51 | 2 0 | 22 26 | 0 28 | 4 59 | 1 22 | 2 51 | 16 23 | 17 10 | 17 23 | 15 16 | 16 42 | 4 10 |
| M19 | 12 45 | 6 26 | 4 51 | 19 2 | 1 38 | 5 8 | 1 9 | 12 3 | 1 35 | 19 36 | 0 34 | 14 53 | 2 0 | 22 26 | 0 28 | 5 0 | 1 22 | 2 52 | 16 23 | 17 14 | 17 24 | 15 17 | 16 43 | 4 10 |
| T 20 | 13 6 | 10 16 | 4 59 | 19 31 | 1 43 | 4 44 | 1 12 | 11 52 | 1 35 | 19 39 | 0 34 | 14 55 | 1 59 | 22 26 | 0 28 | 5 0 | 1 22 | 2 52 | 16 23 | 17 18 | 17 25 | 15 19 | 16 44 | 4 10 |
| W21 | 13 26 | 13 42 | 4 54 | 20 0 | 1 49 | 4 20 | 1 16 | 11 40 | 1 36 | 19 42 | 0 34 | 14 58 | 1 59 | 22 26 | 0 28 | 5 0 | 1 22 | 2 52 | 16 23 | 17 22 | 17 26 | 15 21 | 16 46 | 4 10 |
| T 22 | 13 46 | 16 33 | 4 36 | 20 27 | 1 54 | 3 56 | 1 19 | 11 28 | 1 36 | 19 45 | 0 34 | 15 0 | 1 59 | 22 26 | 0 28 | 5 1 | 1 22 | 2 53 | 16 23 | 17 25 | 17 27 | 15 22 | 16 47 | 4 10 |
| F 23 | 14 6 | 18 42 | 4 7 | 20 54 | 1 59 | 3 31 | 1 22 | 11 16 | 1 37 | 19 48 | 0 34 | 15 2 | 1 59 | 22 26 | 0 28 | 5 1 | 1 22 | 2 53 | 16 23 | 17 28 | 17 28 | 15 24 | 16 48 | 4 10 |
| S 24 | 14 25 | 20 4 | 3 26 | 21 20 | 2 3 | 3 7 | 1 25 | 11 4 | 1 38 | 19 50 | 0 34 | 15 4 | 1 59 | 22 26 | 0 28 | 5 2 | 1 22 | 2 53 | 16 23 | 17 31 | 17 29 | 15 26 | 16 49 | 4 10 |
| S 25 | 14 44 | 20 33 | 2 36 | 21 44 | 2 8 | 2 42 | 1 28 | 10 52 | 1 38 | 19 53 | 0 33 | 15 6 | 1 59 | 22 27 | 0 28 | 5 2 | 1 22 | 2 54 | 16 23 | 17 32 | 17 30 | 15 27 | 16 51 | 4 10 |
| M26 | 15 4 | 20 6 | 1 39 | 22 7 | 2 12 | 2 16 | 1 31 | 10 40 | 1 39 | 19 56 | 0 33 | 15 8 | 1 59 | 22 27 | 0 28 | 5 2 | 1 22 | 2 54 | 16 23 | 17 33 | 17 30 | 15 29 | 16 52 | 4 10 |
| T 27 | 15 22 | 18 42 | 0 36 | 22 29 | 2 16 | 1 51 | 1 33 | 10 28 | 1 40 | 19 59 | 0 33 | 15 10 | 1 59 | 22 27 | 0 28 | 5 3 | 1 22 | 2 54 | 16 23 | 17 33 | 17 31 | 15 31 | 16 53 | 4 10 |
| W28 | 15 41 | 16 21 | 0n31 | 22 50 | 2 19 | 1 25 | 1 36 | 10 16 | 1 40 | 20 2 | 0 33 | 15 12 | 1 59 | 22 27 | 0 28 | 5 3 | 1 22 | 2 54 | 16 23 | 17 33 | 17 32 | 15 32 | 16 54 | 4 11 |
| T 29 | 15 59 | 13 8 | 1 38 | 23 10 | 2 23 | 1 0 | 1 38 | 10 4 | 1 41 | 20 4 | 0 33 | 15 14 | 1 59 | 22 27 | 0 28 | 5 3 | 1 22 | 2 55 | 16 23 | 17 33 | 17 33 | 15 34 | 16 56 | 4 11 |
| F 30 | 16 17 | 9 9 | 2 41 | 23 29 | 2 25 | 0 34 | 1 41 | 9 52 | 1 42 | 20 7 | 0 33 | 15 16 | 1 59 | 22 27 | 0 28 | 5 4 | 1 22 | 2 55 | 16 23 | 17 34 | 17 34 | 15 36 | 16 57 | 4 11 |
| S 31 | 16s35 | 4n32 | 3n38 | 23s46 | 2s28 | 0n 8 | 1n43 | 9n40 | 1n42 | 20s10 | 0n33 | 15s18 | 1n59 | 22n27 | 0n28 | 5s 4 | 1s22 | 2s55 | 16s23 | 17n35 | 17n35 | 15n37 | 16s58 | 4n11 |

Julian Day Number = 2220262.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'26, Lahiri = 15°01'27 Julian Calendar 1 Oct. 1366 == Greg. Calendar 9 Oct. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## NOVEMBER 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 12 11 | 16♏40'21 | 11♎23 | 7♐ 4 | 4♎47 | 9♍55 | 2♐33 | 17♏56 | 20°R15 | 20°R24 | 2°R49 | 10°R40 | 10♌46 | 0♊47 | 4♐24 | S 1 |
| M 2 | 3 16 7 | 17°40'58 | 26°13 | 8°22 | 5°57 | 10°28 | 2°47 | 18° 3 | 20♋14 | 20♓24 | 2♉48 | 10♌30 | 10°42 | 0°54 | 4°31 | M 2 |
| T 3 | 3 20 4 | 18°41'37 | 11♏24 | 9°38 | 7° 8 | 11° 1 | 3° 0 | 18°10 | 20°13 | 20°23 | 2°47 | 10°19 | 10°39 | 1° 0 | 4°38 | T 3 |
| W 4 | 3 24 0 | 19°42'18 | 26°43 | 10°53 | 8°19 | 11°34 | 3°13 | 18°17 | 20°12 | 20°22 | 2°46 | 10° 7 | 10°36 | 1° 7 | 4°45 | W 4 |
| T 5 | 3 27 57 | 20°43'00 | 12♐ 1 | 12° 5 | 9°30 | 12° 7 | 3°27 | 18°24 | 20°11 | 20°22 | 2°45 | 9°57 | 10°33 | 1°14 | 4°52 | T 5 |
| F 6 | 3 31 54 | 21°43'43 | 27° 5 | 13°15 | 10°41 | 12°39 | 3°40 | 18°31 | 20°10 | 20°21 | 2°43 | 9°49 | 10°30 | 1°21 | 4°59 | F 6 |
| S 7 | 3 35 50 | 22°44'28 | 11♑47 | 14°22 | 11°52 | 13°12 | 3°54 | 18°39 | 20° 9 | 20°21 | 2°42 | 9°44 | 10°27 | 1°27 | 5° 6 | S 7 |
| S 8 | 3 39 47 | 23°45'13 | 26° 2 | 15°27 | 13° 4 | 13°44 | 4° 7 | 18°46 | 20° 8 | 20°20 | 2°41 | 9°41 | 10°23 | 1°34 | 5°13 | S 8 |
| M 9 | 3 43 43 | 24°46'00 | 9♒50 | 16°27 | 14°15 | 14°17 | 4°21 | 18°53 | 20° 7 | 20°19 | 2°40 | 9°D41 | 10°20 | 1°41 | 5°20 | M 9 |
| T 10 | 3 47 40 | 25°46'48 | 23°11 | 17°24 | 15°27 | 14°49 | 4°34 | 19° 0 | 20° 6 | 20°19 | 2°39 | 9°R41 | 10°17 | 1°47 | 5°27 | T 10 |
| W11 | 3 51 36 | 26°47'36 | 6♓ 9 | 18°17 | 16°38 | 15°21 | 4°48 | 19° 7 | 20° 5 | 20°19 | 2°38 | 9°41 | 10°14 | 1°54 | 5°34 | W11 |
| T 12 | 3 55 33 | 27°48'26 | 18°48 | 19° 4 | 17°50 | 15°53 | 5° 1 | 19°14 | 20° 3 | 20°18 | 2°37 | 9°39 | 10°11 | 2° 1 | 5°41 | T 12 |
| F 13 | 3 59 29 | 28°49'16 | 1♈12 | 19°45 | 19° 2 | 16°25 | 5°15 | 19°21 | 20° 2 | 20°18 | 2°36 | 9°34 | 10° 8 | 2° 8 | 5°48 | F 13 |
| S 14 | 4 3 26 | 29°50'08 | 13°24 | 20°20 | 20°14 | 16°57 | 5°28 | 19°28 | 20° 1 | 20°17 | 2°35 | 9°27 | 10° 4 | 2°14 | 5°55 | S 14 |
| S 15 | 4 7 23 | 0♐51'00 | 25°28 | 20°48 | 21°26 | 17°29 | 5°42 | 19°35 | 19°59 | 20°17 | 2°34 | 9°17 | 10° 1 | 2°21 | 6° 2 | S 15 |
| M16 | 4 11 19 | 1°51'54 | 7♉26 | 21° 7 | 22°38 | 18° 0 | 5°55 | 19°42 | 19°58 | 20°17 | 2°33 | 9° 5 | 9°58 | 2°28 | 6° 9 | M16 |
| T 17 | 4 15 16 | 2°52'48 | 19°21 | 21°18 | 23°50 | 18°32 | 6° 9 | 19°49 | 19°56 | 20°17 | 2°32 | 8°52 | 9°55 | 2°34 | 6°16 | T 17 |
| W18 | 4 19 12 | 3°53'43 | 1♊14 | 21°R19 | 25° 2 | 19° 3 | 6°22 | 19°56 | 19°55 | 20°16 | 2°31 | 8°39 | 9°52 | 2°41 | 6°23 | W18 |
| T 19 | 4 23 9 | 4°54'40 | 13° 6 | 21° 9 | 26°15 | 19°34 | 6°36 | 20° 3 | 19°53 | 20°16 | 2°30 | 8°26 | 9°48 | 2°48 | 6°31 | T 19 |
| F 20 | 4 27 5 | 5°55'37 | 24°58 | 20°48 | 27°27 | 20° 5 | 6°50 | 20°10 | 19°52 | 20°16 | 2°30 | 8°16 | 9°45 | 2°55 | 6°38 | F 20 |
| S 21 | 4 31 2 | 6°56'36 | 6♋53 | 20°16 | 28°40 | 20°36 | 7° 3 | 20°17 | 19°50 | 20°16 | 2°29 | 8° 9 | 9°42 | 3° 1 | 6°45 | S 21 |
| S 22 | 4 34 58 | 7°57'36 | 18°52 | 19°32 | 29°53 | 21° 7 | 7°17 | 20°24 | 19°48 | 20°16 | 2°28 | 8° 4 | 9°39 | 3° 8 | 6°52 | S 22 |
| M23 | 4 38 55 | 8°58'36 | 0♌59 | 18°38 | 1♏ 5 | 21°38 | 7°30 | 20°31 | 19°47 | 20°16 | 2°27 | 8° 2 | 9°36 | 3°15 | 6°59 | M23 |
| T 24 | 4 42 52 | 9°59'38 | 13°17 | 17°34 | 2°18 | 22° 8 | 7°44 | 20°37 | 19°45 | 20°D16 | 2°26 | 8°D 2 | 9°33 | 3°21 | 7° 6 | T 24 |
| W25 | 4 46 48 | 11° 0'41 | 25°49 | 16°22 | 3°31 | 22°39 | 7°58 | 20°44 | 19°43 | 20°16 | 2°25 | 8° 3 | 9°29 | 3°28 | 7°13 | W25 |
| T 26 | 4 50 45 | 12° 1'44 | 8♍42 | 15° 3 | 4°44 | 23° 9 | 8°11 | 20°51 | 19°41 | 20°16 | 2°24 | 8°R 4 | 9°26 | 3°35 | 7°20 | T 26 |
| F 27 | 4 54 41 | 13° 2'49 | 21°57 | 13°41 | 5°57 | 23°39 | 8°25 | 20°58 | 19°39 | 20°16 | 2°23 | 8° 3 | 9°23 | 3°42 | 7°27 | F 27 |
| S 28 | 4 58 38 | 14° 3'55 | 5♎40 | 12°18 | 7°10 | 24° 9 | 8°38 | 21° 5 | 19°37 | 20°16 | 2°23 | 8° 1 | 9°20 | 3°48 | 7°34 | S 28 |
| S 29 | 5 2 34 | 15° 5'02 | 19°51 | 10°57 | 8°23 | 24°39 | 8°52 | 21°11 | 19°35 | 20°16 | 2°22 | 7°57 | 9°17 | 3°55 | 7°41 | S 29 |
| M30 | 5 6 31 | 16♐ 6'09 | 4♏29 | 9♐41 | 9♏37 | 25♍ 8 | 9♐ 5 | 21♏18 | 19♋33 | 20♓17 | 2♉21 | 7♌50 | 9♌13 | 4♊ 2 | 7♐48 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s53 | 0s29 | 4n23 | 24s 2 | 2s30 | 0s18 | 1n45 | 9n28 | 1n43 | 20s13 | 0n33 | 15s20 | 1n59 | 22n27 | 0n28 | 5s 4 | 1s22 | 2s56 | 16s23 | 17n37 | 17n36 | 15n39 | 16s59 | 4n11 |
| M 2 | 17 10 | 5 38 | 4 51 | 24 16 | 2 31 | 0 44 | 1 47 | 9 16 | 1 43 | 20 15 | 0 33 | 15 22 | 1 59 | 22 27 | 0 28 | 5 4 | 1 22 | 2 56 | 16 23 | 17 40 | 17 37 | 15 41 | 17 0 | 4 11 |
| T 3 | 17 27 | 10 32 | 5 0 | 24 29 | 2 32 | 1 11 | 1 49 | 9 4 | 1 44 | 20 18 | 0 32 | 15 24 | 1 59 | 22 28 | 0 28 | 5 5 | 1 22 | 2 56 | 16 22 | 17 43 | 17 37 | 15 42 | 17 2 | 4 11 |
| W 4 | 17 43 | 14 49 | 4 48 | 24 40 | 2 33 | 1 37 | 1 51 | 8 52 | 1 45 | 20 21 | 0 32 | 15 26 | 1 59 | 22 28 | 0 28 | 5 5 | 1 22 | 2 56 | 16 22 | 17 46 | 17 38 | 15 44 | 17 3 | 4 11 |
| T 5 | 18 0 | 18 5 | 4 15 | 24 50 | 2 33 | 2 3 | 1 52 | 8 40 | 1 45 | 20 23 | 0 32 | 15 28 | 1 59 | 22 28 | 0 28 | 5 5 | 1 22 | 2 57 | 16 22 | 17 49 | 17 39 | 15 46 | 17 4 | 4 11 |
| F 6 | 18 15 | 20 4 | 3 25 | 24 59 | 2 32 | 2 30 | 1 54 | 8 28 | 1 46 | 20 26 | 0 32 | 15 30 | 1 59 | 22 28 | 0 28 | 5 5 | 1 22 | 2 57 | 16 22 | 17 51 | 17 40 | 15 47 | 17 5 | 4 11 |
| S 7 | 18 31 | 20 38 | 2 22 | 25 6 | 2 31 | 2 56 | 1 55 | 8 16 | 1 47 | 20 29 | 0 32 | 15 32 | 1 59 | 22 28 | 0 29 | 5 5 | 1 22 | 2 57 | 16 22 | 17 52 | 17 41 | 15 49 | 17 6 | 4 11 |
| S 8 | 18 46 | 19 50 | 1 12 | 25 11 | 2 29 | 3 23 | 1 57 | 8 4 | 1 47 | 20 31 | 0 32 | 15 34 | 1 59 | 22 28 | 0 29 | 5 6 | 1 22 | 2 57 | 16 22 | 17 53 | 17 42 | 15 50 | 17 7 | 4 11 |
| M 9 | 19 1 | 17 51 | 0s 1 | 25 15 | 2 26 | 3 50 | 1 58 | 7 52 | 1 48 | 20 34 | 0 32 | 15 36 | 1 59 | 22 29 | 0 29 | 5 6 | 1 22 | 2 57 | 16 22 | 17 53 | 17 43 | 15 52 | 17 8 | 4 11 |
| T 10 | 19 16 | 14 57 | 1 11 | 25 16 | 2 22 | 4 16 | 1 59 | 7 40 | 1 49 | 20 36 | 0 32 | 15 38 | 1 59 | 22 29 | 0 29 | 5 6 | 1 22 | 2 58 | 16 21 | 17 53 | 17 43 | 15 54 | 17 10 | 4 11 |
| W11 | 19 30 | 11 23 | 2 15 | 25 16 | 2 17 | 4 43 | 2 0 | 7 28 | 1 49 | 20 39 | 0 32 | 15 40 | 1 59 | 22 29 | 0 29 | 5 6 | 1 22 | 2 58 | 16 21 | 17 53 | 17 44 | 15 55 | 17 11 | 4 11 |
| T 12 | 19 44 | 7 23 | 3 12 | 25 15 | 2 11 | 5 9 | 2 1 | 7 16 | 1 50 | 20 41 | 0 32 | 15 41 | 1 59 | 22 29 | 0 29 | 5 6 | 1 22 | 2 58 | 16 21 | 17 54 | 17 45 | 15 57 | 17 12 | 4 12 |
| F 13 | 19 58 | 3 9 | 3 57 | 25 11 | 2 4 | 5 36 | 2 2 | 7 4 | 1 51 | 20 44 | 0 31 | 15 43 | 1 59 | 22 30 | 0 29 | 5 6 | 1 22 | 2 58 | 16 21 | 17 55 | 17 46 | 15 59 | 17 13 | 4 12 |
| S 14 | 20 11 | 1n 8 | 4 32 | 25 5 | 1 56 | 6 2 | 2 2 | 6 53 | 1 51 | 20 46 | 0 31 | 15 45 | 1 59 | 22 30 | 0 29 | 5 6 | 1 22 | 2 58 | 16 21 | 17 57 | 17 47 | 16 0 | 17 14 | 4 12 |
| S 15 | 20 24 | 5 20 | 4 53 | 24 58 | 1 46 | 6 29 | 2 3 | 6 41 | 1 52 | 20 49 | 0 31 | 15 47 | 1 59 | 22 30 | 0 29 | 5 7 | 1 22 | 2 58 | 16 21 | 18 0 | 17 48 | 16 2 | 17 15 | 4 12 |
| M16 | 20 36 | 9 17 | 5 2 | 24 49 | 1 35 | 6 55 | 2 4 | 6 29 | 1 53 | 20 51 | 0 31 | 15 49 | 1 59 | 22 30 | 0 29 | 5 7 | 1 21 | 2 59 | 16 20 | 18 3 | 17 49 | 16 3 | 17 16 | 4 12 |
| T 17 | 20 48 | 12 52 | 4 57 | 24 37 | 1 23 | 7 22 | 2 4 | 6 17 | 1 53 | 20 54 | 0 31 | 15 51 | 1 59 | 22 30 | 0 29 | 5 7 | 1 21 | 2 59 | 16 20 | 18 6 | 17 49 | 16 5 | 17 17 | 4 12 |
| W18 | 21 0 | 15 55 | 4 39 | 24 23 | 1 10 | 7 48 | 2 4 | 6 6 | 1 54 | 20 56 | 0 31 | 15 53 | 1 59 | 22 31 | 0 29 | 5 7 | 1 21 | 2 59 | 16 20 | 18 10 | 17 50 | 16 7 | 17 18 | 4 12 |
| T 19 | 21 11 | 18 19 | 4 9 | 24 8 | 0 54 | 8 14 | 2 5 | 5 54 | 1 55 | 20 59 | 0 31 | 15 55 | 1 59 | 22 31 | 0 29 | 5 7 | 1 21 | 2 59 | 16 20 | 18 13 | 17 51 | 16 8 | 17 19 | 4 12 |
| F 20 | 21 22 | 19 57 | 3 28 | 23 50 | 0 38 | 8 40 | 2 5 | 5 42 | 1 55 | 21 1 | 0 31 | 15 56 | 1 59 | 22 31 | 0 29 | 5 7 | 1 21 | 2 59 | 16 20 | 18 15 | 17 52 | 16 10 | 17 20 | 4 13 |
| S 21 | 21 33 | 20 42 | 2 38 | 23 30 | 0 20 | 9 6 | 2 5 | 5 31 | 1 56 | 21 3 | 0 31 | 15 58 | 1 59 | 22 32 | 0 29 | 5 7 | 1 21 | 2 59 | 16 19 | 18 17 | 17 53 | 16 12 | 17 21 | 4 13 |
| S 22 | 21 43 | 20 32 | 1 41 | 23 8 | 0 1 | 9 31 | 2 5 | 5 19 | 1 57 | 21 6 | 0 31 | 16 0 | 1 59 | 22 32 | 0 29 | 5 7 | 1 21 | 2 59 | 16 19 | 18 19 | 17 54 | 16 13 | 17 22 | 4 13 |
| M23 | 21 52 | 19 24 | 0 38 | 22 43 | 0n19 | 9 57 | 2 4 | 5 8 | 1 58 | 21 8 | 0 31 | 16 2 | 1 59 | 22 32 | 0 29 | 5 7 | 1 21 | 2 59 | 16 19 | 18 19 | 17 55 | 16 15 | 17 23 | 4 13 |
| T 24 | 22 1 | 17 20 | 0n28 | 22 18 | 0 39 | 10 22 | 2 4 | 4 56 | 1 58 | 21 10 | 0 30 | 16 4 | 1 59 | 22 32 | 0 29 | 5 7 | 1 21 | 2 59 | 16 19 | 18 19 | 17 55 | 16 16 | 17 24 | 4 13 |
| W25 | 22 10 | 14 26 | 1 34 | 21 50 | 0 59 | 10 47 | 2 4 | 4 45 | 1 59 | 21 13 | 0 30 | 16 5 | 1 59 | 22 33 | 0 29 | 5 7 | 1 21 | 2 59 | 16 19 | 18 19 | 17 56 | 16 18 | 17 25 | 4 14 |
| T 26 | 22 19 | 10 45 | 2 37 | 21 22 | 1 19 | 11 12 | 2 3 | 4 34 | 2 0 | 21 15 | 0 30 | 16 7 | 1 59 | 22 33 | 0 29 | 5 7 | 1 21 | 2 59 | 16 18 | 18 19 | 17 57 | 16 20 | 17 26 | 4 14 |
| F 27 | 22 26 | 6 28 | 3 33 | 20 54 | 1 38 | 11 37 | 2 3 | 4 22 | 2 0 | 21 17 | 0 30 | 16 9 | 1 59 | 22 33 | 0 29 | 5 7 | 1 21 | 2 59 | 16 18 | 18 19 | 17 58 | 16 21 | 17 27 | 4 14 |
| S 28 | 22 34 | 1 43 | 4 19 | 20 26 | 1 56 | 12 2 | 2 2 | 4 11 | 2 1 | 21 19 | 0 30 | 16 11 | 1 59 | 22 34 | 0 29 | 5 6 | 1 21 | 3 0 | 16 18 | 18 19 | 17 59 | 16 23 | 17 28 | 4 14 |
| S 29 | 22 41 | 3s17 | 4 52 | 20 0 | 2 11 | 12 26 | 2 2 | 4 0 | 2 2 | 21 21 | 0 30 | 16 12 | 1 59 | 22 34 | 0 29 | 5 6 | 1 21 | 3 0 | 16 18 | 18 21 | 18 0 | 16 24 | 17 29 | 4 14 |
| M30 | 22s47 | 8s15 | 5n 6 | 19s35 | 2n25 | 12s50 | 2n 1 | 3n49 | 2n 3 | 21s24 | 0n30 | 16s14 | 1n59 | 22n34 | 0n29 | 5s 6 | 1s21 | 3s 0 | 16s17 | 18n22 | 18n 0 | 16n26 | 17s30 | 4n15 |

Julian Day Number = 2220293.5, Delta T = 08m44s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'30, Lahiri = 15°01'31 Julian Calendar 1 Nov. 1366 == Greg. Calendar 9 Nov. 1366


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# ASTRODIENST EPHEMERIS for the year 1366
# geocentric

## DECEMBER 1366 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 10 27 | 17♐ 7'18 | 19♏28 | 8°R31 | 10♏50 | 25♍38 | 9♐19 | 21♏25 | 19°R31 | 20♓17 | 2°R20 | 7°R43 | 9♌10 | 4♊ 8 | 7♐55 | T 1 |
| W 2 | 5 14 24 | 18° 8'27 | 4♐42 | 7♐30 | 12° 3 | 26° 7 | 9°33 | 21°31 | 19♋29 | 20°17 | 2♉20 | 7♌34 | 9° 7 | 4°15 | 8° 2 | W 2 |
| T 3 | 5 18 21 | 19° 9'37 | 20° 0 | 6°39 | 13°17 | 26°36 | 9°46 | 21°38 | 19°27 | 20°17 | 2°19 | 7°27 | 9° 4 | 4°22 | 8° 9 | T 3 |
| F 4 | 5 22 17 | 20°10'48 | 5♑10 | 5°59 | 14°30 | 27° 5 | 10° 0 | 21°44 | 19°25 | 20°18 | 2°18 | 7°21 | 9° 1 | 4°28 | 8°16 | F 4 |
| S 5 | 5 26 14 | 21°11'59 | 20° 2 | 5°30 | 15°44 | 27°34 | 10°13 | 21°51 | 19°23 | 20°18 | 2°17 | 7°18 | 8°58 | 4°35 | 8°23 | S 5 |
| S 6 | 5 30 10 | 22°13'10 | 4♒30 | 5°11 | 16°57 | 28° 2 | 10°27 | 21°57 | 19°20 | 20°19 | 2°17 | 7°D17 | 8°54 | 4°42 | 8°30 | S 6 |
| M 7 | 5 34 7 | 23°14'21 | 18°30 | 5°D 3 | 18°11 | 28°31 | 10°40 | 22° 4 | 19°18 | 20°19 | 2°16 | 7°17 | 8°51 | 4°49 | 8°37 | M 7 |
| T 8 | 5 38 3 | 24°15'32 | 2♓ 2 | 5° 4 | 19°24 | 28°59 | 10°54 | 22°10 | 19°16 | 20°19 | 2°15 | 7°18 | 8°48 | 4°55 | 8°44 | T 8 |
| W 9 | 5 42 0 | 25°16'43 | 15° 7 | 5°15 | 20°38 | 29°27 | 11° 7 | 22°17 | 19°14 | 20°20 | 2°15 | 7°20 | 8°45 | 5° 2 | 8°51 | W 9 |
| T 10 | 5 45 56 | 26°17'54 | 27°49 | 5°34 | 21°52 | 29°54 | 11°20 | 22°23 | 19°11 | 20°21 | 2°14 | 7°R20 | 8°42 | 5° 9 | 8°58 | T 10 |
| F 11 | 5 49 53 | 27°19'05 | 10♈13 | 6° 0 | 23° 5 | 0♎22 | 11°34 | 22°29 | 19° 9 | 20°21 | 2°14 | 7°19 | 8°39 | 5°15 | 9° 5 | F 11 |
| S 12 | 5 53 50 | 28°20'16 | 22°22 | 6°33 | 24°19 | 0°49 | 11°47 | 22°35 | 19° 6 | 20°22 | 2°13 | 7°16 | 8°35 | 5°22 | 9°11 | S 12 |
| S 13 | 5 57 46 | 29°21'27 | 4♉22 | 7°13 | 25°33 | 1°16 | 12° 0 | 22°42 | 19° 4 | 20°22 | 2°12 | 7°12 | 8°32 | 5°29 | 9°18 | S 13 |
| M14 | 6 1 43 | 0♑22'38 | 16°16 | 7°58 | 26°47 | 1°43 | 12°14 | 22°48 | 19° 2 | 20°23 | 2°12 | 7° 6 | 8°29 | 5°36 | 9°25 | M14 |
| T 15 | 6 5 39 | 1°23'48 | 28° 7 | 8°47 | 28° 1 | 2°10 | 12°27 | 22°54 | 18°59 | 20°24 | 2°11 | 6°59 | 8°26 | 5°42 | 9°32 | T 15 |
| W16 | 6 9 36 | 2°24'59 | 9♊59 | 9°41 | 29°15 | 2°37 | 12°40 | 23° 0 | 18°57 | 20°25 | 2°11 | 6°52 | 8°23 | 5°49 | 9°38 | W16 |
| T 17 | 6 13 32 | 3°26'09 | 21°52 | 10°39 | 0♐29 | 3° 3 | 12°53 | 23° 6 | 18°54 | 20°25 | 2°10 | 6°45 | 8°19 | 5°56 | 9°45 | T 17 |
| F 18 | 6 17 29 | 4°27'20 | 3♋50 | 11°40 | 1°43 | 3°29 | 13° 7 | 23°12 | 18°52 | 20°26 | 2°10 | 6°40 | 8°16 | 6° 2 | 9°52 | F 18 |
| S 19 | 6 21 25 | 5°28'30 | 15°53 | 12°45 | 2°57 | 3°55 | 13°20 | 23°18 | 18°49 | 20°27 | 2°10 | 6°37 | 8°13 | 6° 9 | 9°58 | S 19 |
| S 20 | 6 25 22 | 6°29'40 | 28° 3 | 13°51 | 4°11 | 4°20 | 13°33 | 23°24 | 18°47 | 20°28 | 2° 9 | 6°35 | 8°10 | 6°16 | 10° 5 | S 20 |
| M21 | 6 29 19 | 7°30'50 | 10♌22 | 15° 1 | 5°25 | 4°46 | 13°46 | 23°29 | 18°44 | 20°29 | 2° 9 | 6°D35 | 8° 7 | 6°23 | 10°11 | M21 |
| T 22 | 6 33 15 | 8°32'00 | 22°51 | 16°12 | 6°39 | 5°11 | 13°59 | 23°35 | 18°42 | 20°30 | 2° 8 | 6°36 | 8° 4 | 6°29 | 10°18 | T 22 |
| W23 | 6 37 12 | 9°33'10 | 5♍34 | 17°26 | 7°53 | 5°36 | 14°12 | 23°41 | 18°39 | 20°31 | 2° 8 | 6°37 | 8° 0 | 6°36 | 10°24 | W23 |
| T 24 | 6 41 8 | 10°34'20 | 18°32 | 18°41 | 9° 7 | 6° 0 | 14°25 | 23°46 | 18°37 | 20°32 | 2° 8 | 6°39 | 7°57 | 6°43 | 10°31 | T 24 |
| F 25 | 6 45 5 | 11°35'30 | 1♎48 | 19°58 | 10°21 | 6°24 | 14°38 | 23°52 | 18°34 | 20°33 | 2° 7 | 6°40 | 7°54 | 6°49 | 10°37 | F 25 |
| S 26 | 6 49 1 | 12°36'39 | 15°25 | 21°16 | 11°36 | 6°48 | 14°51 | 23°57 | 18°31 | 20°34 | 2° 7 | 6°R40 | 7°51 | 6°56 | 10°43 | S 26 |
| S 27 | 6 52 58 | 13°37'49 | 29°23 | 22°36 | 12°50 | 7°12 | 15° 3 | 24° 3 | 18°29 | 20°35 | 2° 7 | 6°40 | 7°48 | 7° 3 | 10°50 | S 27 |
| M28 | 6 56 54 | 14°38'58 | 13♏42 | 23°56 | 14° 4 | 7°36 | 15°16 | 24° 8 | 18°26 | 20°36 | 2° 7 | 6°38 | 7°45 | 7° 9 | 10°56 | M28 |
| T 29 | 7 0 51 | 15°40'08 | 28°20 | 25°18 | 15°18 | 7°59 | 15°29 | 24°13 | 18°24 | 20°37 | 2° 6 | 6°35 | 7°41 | 7°16 | 11° 2 | T 29 |
| W30 | 7 4 48 | 16°41'17 | 13♐11 | 26°41 | 16°33 | 8°22 | 15°42 | 24°19 | 18°21 | 20°39 | 2° 6 | 6°32 | 7°38 | 7°23 | 11° 8 | W30 |
| T 31 | 7 8 44 | 17♑42'26 | 28♐ 9 | 28♐ 5 | 17♐47 | 8♎44 | 15♐54 | 24♏24 | 18♋18 | 20♓40 | 2♉ 6 | 6♌30 | 7♌35 | 7♊30 | 11♐14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s54 | 12s50 | 5n 0 | 19s13 | 2n36 | 13s14 | 2n 0 | 3n38 | 2n 3 | 21s26 | 0n30 | 16s16 | 1n59 | 22n35 | 0n29 | 5s 6 | 1s21 | 3s 0 | 16s17 | 18n24 | 18n 1 | 16n27 | 17s31 | 4n15 |
| W 2 | 22 59 | 16 40 | 4 33 | 18 55 | 2 45 | 13 37 | 1 59 | 3 27 | 2 4 | 21 28 | 0 30 | 16 17 | 1 59 | 22 35 | 0 29 | 5 6 | 1 21 | 3 0 | 16 17 | 18 26 | 18 2 | 16 29 | 17 32 | 4 15 |
| T 3 | 23 5 | 19 22 | 3 47 | 18 40 | 2 52 | 14 0 | 1 58 | 3 16 | 2 5 | 21 30 | 0 30 | 16 19 | 1 59 | 22 35 | 0 29 | 5 6 | 1 21 | 3 0 | 16 17 | 18 28 | 18 3 | 16 31 | 17 32 | 4 15 |
| F 4 | 23 9 | 20 41 | 2 44 | 18 29 | 2 57 | 14 23 | 1 57 | 3 5 | 2 5 | 21 32 | 0 30 | 16 21 | 1 59 | 22 36 | 0 29 | 5 6 | 1 21 | 3 0 | 16 16 | 18 30 | 18 4 | 16 32 | 17 33 | 4 15 |
| S 5 | 23 14 | 20 30 | 1 32 | 18 21 | 2 59 | 14 46 | 1 55 | 2 54 | 2 6 | 21 34 | 0 30 | 16 22 | 1 59 | 22 36 | 0 29 | 5 5 | 1 21 | 2 59 | 16 16 | 18 31 | 18 5 | 16 34 | 17 34 | 4 16 |
| S 6 | 23 17 | 18 57 | 0 15 | 18 18 | 2 59 | 15 8 | 1 54 | 2 43 | 2 7 | 21 36 | 0 30 | 16 24 | 1 59 | 22 36 | 0 29 | 5 5 | 1 21 | 2 59 | 16 16 | 18 31 | 18 5 | 16 35 | 17 35 | 4 16 |
| M 7 | 23 21 | 16 17 | 1s 0 | 18 17 | 2 58 | 15 30 | 1 53 | 2 33 | 2 8 | 21 38 | 0 30 | 16 26 | 1 59 | 22 37 | 0 29 | 5 5 | 1 21 | 2 59 | 16 15 | 18 31 | 18 6 | 16 37 | 17 36 | 4 16 |
| T 8 | 23 24 | 12 49 | 2 10 | 18 20 | 2 56 | 15 51 | 1 51 | 2 22 | 2 8 | 21 40 | 0 29 | 16 27 | 1 59 | 22 37 | 0 29 | 5 5 | 1 21 | 2 59 | 16 15 | 18 30 | 18 7 | 16 38 | 17 37 | 4 16 |
| W 9 | 23 26 | 8 49 | 3 11 | 18 26 | 2 52 | 16 12 | 1 50 | 2 12 | 2 9 | 21 42 | 0 29 | 16 29 | 1 59 | 22 37 | 0 29 | 5 5 | 1 21 | 2 59 | 16 15 | 18 30 | 18 8 | 16 40 | 17 37 | 4 17 |
| T 10 | 23 28 | 4 32 | 4 0 | 18 34 | 2 47 | 16 33 | 1 48 | 2 1 | 2 10 | 21 44 | 0 29 | 16 30 | 1 59 | 22 38 | 0 29 | 5 4 | 1 21 | 2 59 | 16 15 | 18 30 | 18 9 | 16 42 | 17 38 | 4 17 |
| F 11 | 23 30 | 0 11 | 4 37 | 18 44 | 2 42 | 16 53 | 1 47 | 1 51 | 2 11 | 21 46 | 0 29 | 16 32 | 1 59 | 22 38 | 0 29 | 5 4 | 1 21 | 2 59 | 16 14 | 18 30 | 18 10 | 16 43 | 17 39 | 4 17 |
| S 12 | 23 31 | 4n 6 | 5 0 | 18 56 | 2 35 | 17 13 | 1 45 | 1 41 | 2 12 | 21 48 | 0 29 | 16 33 | 1 59 | 22 38 | 0 29 | 5 4 | 1 20 | 2 59 | 16 14 | 18 31 | 18 11 | 16 45 | 17 40 | 4 18 |
| S 13 | 23 31 | 8 9 | 5 10 | 19 9 | 2 28 | 17 33 | 1 43 | 1 31 | 2 12 | 21 49 | 0 29 | 16 35 | 2 0 | 22 39 | 0 29 | 5 3 | 1 20 | 2 59 | 16 14 | 18 32 | 18 11 | 16 46 | 17 40 | 4 18 |
| M14 | 23 31 | 11 52 | 5 6 | 19 24 | 2 21 | 17 52 | 1 41 | 1 21 | 2 13 | 21 51 | 0 29 | 16 36 | 2 0 | 22 39 | 0 29 | 5 3 | 1 20 | 2 59 | 16 13 | 18 34 | 18 12 | 16 48 | 17 41 | 4 18 |
| T 15 | 23 31 | 15 6 | 4 50 | 19 39 | 2 13 | 18 10 | 1 39 | 1 11 | 2 14 | 21 53 | 0 29 | 16 38 | 2 0 | 22 39 | 0 29 | 5 3 | 1 20 | 2 59 | 16 13 | 18 35 | 18 13 | 16 49 | 17 42 | 4 18 |
| W16 | 23 30 | 17 43 | 4 21 | 19 55 | 2 5 | 18 28 | 1 38 | 1 1 | 2 15 | 21 55 | 0 29 | 16 39 | 2 0 | 22 40 | 0 29 | 5 3 | 1 20 | 2 59 | 16 13 | 18 37 | 18 14 | 16 51 | 17 42 | 4 19 |
| T 17 | 23 29 | 19 37 | 3 40 | 20 12 | 1 57 | 18 46 | 1 36 | 0 51 | 2 15 | 21 57 | 0 29 | 16 41 | 2 0 | 22 40 | 0 30 | 5 2 | 1 20 | 2 58 | 16 12 | 18 39 | 18 15 | 16 52 | 17 43 | 4 19 |
| F 18 | 23 27 | 20 38 | 2 49 | 20 28 | 1 48 | 19 3 | 1 33 | 0 42 | 2 16 | 21 58 | 0 29 | 16 42 | 2 0 | 22 40 | 0 30 | 5 2 | 1 20 | 2 58 | 16 12 | 18 40 | 18 15 | 16 54 | 17 44 | 4 19 |
| S 19 | 23 24 | 20 44 | 1 51 | 20 45 | 1 40 | 19 19 | 1 31 | 0 32 | 2 17 | 22 0 | 0 29 | 16 43 | 2 0 | 22 41 | 0 30 | 5 1 | 1 20 | 2 58 | 16 12 | 18 41 | 18 16 | 16 56 | 17 44 | 4 20 |
| S 20 | 23 22 | 19 52 | 0 47 | 21 2 | 1 31 | 19 36 | 1 29 | 0 23 | 2 18 | 22 2 | 0 29 | 16 45 | 2 0 | 22 41 | 0 30 | 5 1 | 1 20 | 2 58 | 16 11 | 18 41 | 18 17 | 16 57 | 17 45 | 4 20 |
| M21 | 23 18 | 18 2 | 0n21 | 21 19 | 1 22 | 19 51 | 1 27 | 0 13 | 2 19 | 22 3 | 0 29 | 16 46 | 2 0 | 22 42 | 0 30 | 5 1 | 1 20 | 2 58 | 16 11 | 18 42 | 18 18 | 16 59 | 17 46 | 4 20 |
| T 22 | 23 15 | 15 20 | 1 28 | 21 35 | 1 13 | 20 6 | 1 25 | 0 4 | 2 19 | 22 5 | 0 29 | 16 47 | 2 0 | 22 42 | 0 30 | 5 0 | 1 20 | 2 58 | 16 11 | 18 41 | 18 19 | 17 0 | 17 46 | 4 21 |
| W23 | 23 10 | 11 52 | 2 33 | 21 51 | 1 5 | 20 21 | 1 22 | 0s 5 | 2 20 | 22 7 | 0 29 | 16 49 | 2 0 | 22 42 | 0 30 | 5 0 | 1 20 | 2 57 | 16 10 | 18 41 | 18 20 | 17 2 | 17 47 | 4 21 |
| T 24 | 23 6 | 7 47 | 3 31 | 22 6 | 0 56 | 20 34 | 1 20 | 0 14 | 2 21 | 22 8 | 0 28 | 16 50 | 2 1 | 22 43 | 0 30 | 4 59 | 1 20 | 2 57 | 16 10 | 18 40 | 18 20 | 17 3 | 17 47 | 4 21 |
| F 25 | 23 1 | 3 14 | 4 19 | 22 21 | 0 47 | 20 48 | 1 18 | 0 23 | 2 22 | 22 10 | 0 28 | 16 51 | 2 1 | 22 43 | 0 30 | 4 59 | 1 20 | 2 57 | 16 10 | 18 40 | 18 21 | 17 5 | 17 48 | 4 22 |
| S 26 | 22 55 | 1s34 | 4 54 | 22 35 | 0 39 | 21 1 | 1 15 | 0 32 | 2 23 | 22 11 | 0 28 | 16 52 | 2 1 | 22 43 | 0 30 | 4 58 | 1 20 | 2 57 | 16 9 | 18 40 | 18 22 | 17 6 | 17 48 | 4 22 |
| S 27 | 22 49 | 6 25 | 5 12 | 22 48 | 0 31 | 21 13 | 1 13 | 0 40 | 2 23 | 22 13 | 0 28 | 16 54 | 2 1 | 22 44 | 0 30 | 4 58 | 1 20 | 2 56 | 16 9 | 18 40 | 18 23 | 17 8 | 17 49 | 4 22 |
| M28 | 22 43 | 11 2 | 5 13 | 23 1 | 0 22 | 21 24 | 1 10 | 0 49 | 2 24 | 22 14 | 0 28 | 16 55 | 2 1 | 22 44 | 0 30 | 4 58 | 1 20 | 2 56 | 16 9 | 18 41 | 18 24 | 17 9 | 17 49 | 4 23 |
| T 29 | 22 36 | 15 6 | 4 53 | 23 12 | 0 14 | 21 35 | 1 8 | 0 57 | 2 25 | 22 16 | 0 28 | 16 56 | 2 1 | 22 45 | 0 30 | 4 57 | 1 20 | 2 56 | 16 8 | 18 41 | 18 25 | 17 11 | 17 50 | 4 23 |
| W30 | 22 28 | 18 16 | 4 13 | 23 23 | 0 6 | 21 46 | 1 5 | 1 5 | 2 26 | 22 17 | 0 28 | 16 57 | 2 1 | 22 45 | 0 30 | 4 57 | 1 20 | 2 56 | 16 8 | 18 42 | 18 25 | 17 12 | 17 50 | 4 24 |
| T 31 | 22s21 | 20s14 | 3n16 | 23s32 | 0s 2 | 21s55 | 1n 2 | 1s14 | 2n27 | 22s18 | 0n28 | 16s58 | 2n 1 | 22n45 | 0n30 | 4s56 | 1s20 | 2s55 | 16s 8 | 18n43 | 18n26 | 17n14 | 17s51 | 4n24 |

Julian Day Number = 2220323.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'35, Lahiri = 15°01'35 Julian Calendar 1 Dec. 1366 == Greg. Calendar 9 Dec. 1366


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## JANUARY 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 12 41 | 18♑43'34 | 13♑ 5 | 29♐29 | 19♐ 1 | 9♎ 6 | 16♐ 7 | 24♏29 | 18°R16 | 20♓41 | 2°R 6 | 6°R28 | 7♌32 | 7♊36 | 11♐20 | F 1 |
| S 2 | 7 16 37 | 19°44'42 | 27°50 | 0♑55 | 20°16 | 9°28 | 16°19 | 24°34 | 18♋13 | 20°42 | 2♉ 6 | 6♌27 | 7°29 | 7°43 | 11°27 | S 2 |
| S 3 | 7 20 34 | 20°45'48 | 12♒18 | 2°21 | 21°30 | 9°50 | 16°32 | 24°39 | 18°10 | 20°44 | 2° 6 | 6°D27 | 7°26 | 7°50 | 11°33 | S 3 |
| M 4 | 7 24 30 | 21°46'55 | 26°23 | 3°48 | 22°44 | 10°11 | 16°44 | 24°44 | 18° 8 | 20°45 | 2° 5 | 6°27 | 7°22 | 7°56 | 11°38 | M 4 |
| T 5 | 7 28 27 | 22°48'00 | 10♓ 2 | 5°16 | 23°59 | 10°32 | 16°56 | 24°49 | 18° 5 | 20°46 | 2° 5 | 6°28 | 7°19 | 8° 3 | 11°44 | T 5 |
| W 6 | 7 32 24 | 23°49'04 | 23°15 | 6°45 | 25°13 | 10°52 | 17° 9 | 24°53 | 18° 3 | 20°48 | 2° 5 | 6°30 | 7°16 | 8°10 | 11°50 | W 6 |
| T 7 | 7 36 20 | 24°50'07 | 6♈ 5 | 8°14 | 26°28 | 11°12 | 17°21 | 24°58 | 18° 0 | 20°49 | 2° 5 | 6°31 | 7°13 | 8°17 | 11°56 | T 7 |
| F 8 | 7 40 17 | 25°51'08 | 18°34 | 9°44 | 27°42 | 11°32 | 17°33 | 25° 3 | 17°57 | 20°51 | 2°D 5 | 6°31 | 7°10 | 8°23 | 12° 2 | F 8 |
| S 9 | 7 44 13 | 26°52'09 | 0♉47 | 11°14 | 28°57 | 11°52 | 17°45 | 25° 7 | 17°55 | 20°52 | 2° 5 | 6°R31 | 7° 6 | 8°30 | 12° 7 | S 9 |
| S 10 | 7 48 10 | 27°53'09 | 12°47 | 12°46 | 0♑11 | 12°11 | 17°57 | 25°12 | 17°52 | 20°54 | 2° 5 | 6°31 | 7° 3 | 8°37 | 12°13 | S 10 |
| M11 | 7 52 6 | 28°54'07 | 24°41 | 14°18 | 1°25 | 12°29 | 18° 9 | 25°16 | 17°50 | 20°55 | 2° 5 | 6°30 | 7° 0 | 8°43 | 12°18 | M11 |
| T 12 | 7 56 3 | 29°55'04 | 6♊31 | 15°50 | 2°40 | 12°47 | 18°21 | 25°20 | 17°47 | 20°57 | 2° 5 | 6°29 | 6°57 | 8°50 | 12°24 | T 12 |
| W13 | 7 59 59 | 0♒56'00 | 18°23 | 17°24 | 3°54 | 13° 5 | 18°32 | 25°25 | 17°45 | 20°58 | 2° 6 | 6°28 | 6°54 | 8°57 | 12°29 | W13 |
| T 14 | 8 3 56 | 1°56'55 | 0♋19 | 18°58 | 5° 9 | 13°23 | 18°44 | 25°29 | 17°42 | 21° 0 | 2° 6 | 6°28 | 6°51 | 9° 3 | 12°35 | T 14 |
| F 15 | 8 7 53 | 2°57'49 | 12°23 | 20°32 | 6°23 | 13°40 | 18°56 | 25°33 | 17°40 | 21° 2 | 2° 6 | 6°27 | 6°47 | 9°10 | 12°40 | F 15 |
| S 16 | 8 11 49 | 3°58'41 | 24°36 | 22° 8 | 7°38 | 13°56 | 19° 7 | 25°37 | 17°37 | 21° 3 | 2° 6 | 6°27 | 6°44 | 9°17 | 12°45 | S 16 |
| S 17 | 8 15 46 | 4°59'32 | 7♌ 1 | 23°44 | 8°52 | 14°12 | 19°19 | 25°41 | 17°35 | 21° 5 | 2° 6 | 6°D27 | 6°41 | 9°24 | 12°50 | S 17 |
| M18 | 8 19 42 | 6° 0'22 | 19°37 | 25°21 | 10° 7 | 14°28 | 19°30 | 25°44 | 17°32 | 21° 7 | 2° 6 | 6°R27 | 6°38 | 9°30 | 12°55 | M18 |
| T 19 | 8 23 39 | 7° 1'11 | 2♍27 | 26°58 | 11°21 | 14°43 | 19°42 | 25°48 | 17°30 | 21° 8 | 2° 7 | 6°27 | 6°35 | 9°37 | 13° 1 | T 19 |
| W20 | 8 27 35 | 8° 1'58 | 15°30 | 28°37 | 12°36 | 14°58 | 19°53 | 25°52 | 17°27 | 21°10 | 2° 7 | 6°27 | 6°31 | 9°44 | 13° 5 | W20 |
| T 21 | 8 31 32 | 9° 2'44 | 28°46 | 0♒16 | 13°50 | 15°12 | 20° 4 | 25°55 | 17°25 | 21°12 | 2° 7 | 6°27 | 6°28 | 9°50 | 13°10 | T 21 |
| F 22 | 8 35 28 | 10° 3'30 | 12♎16 | 1°56 | 15° 5 | 15°26 | 20°15 | 25°59 | 17°23 | 21°14 | 2° 7 | 6°26 | 6°25 | 9°57 | 13°15 | F 22 |
| S 23 | 8 39 25 | 11° 4'14 | 25°59 | 3°36 | 16°19 | 15°39 | 20°26 | 26° 2 | 17°20 | 21°16 | 2° 8 | 6°26 | 6°22 | 10° 4 | 13°20 | S 23 |
| S 24 | 8 43 22 | 12° 4'57 | 9♏55 | 5°18 | 17°34 | 15°52 | 20°37 | 26° 6 | 17°18 | 21°17 | 2° 8 | 6°D26 | 6°19 | 10°10 | 13°25 | S 24 |
| M25 | 8 47 18 | 13° 5'39 | 24° 3 | 7° 0 | 18°48 | 16° 4 | 20°48 | 26° 9 | 17°16 | 21°19 | 2° 9 | 6°26 | 6°16 | 10°17 | 13°29 | M25 |
| T 26 | 8 51 15 | 14° 6'21 | 8♐21 | 8°43 | 20° 3 | 16°16 | 20°58 | 26°12 | 17°13 | 21°21 | 2° 9 | 6°26 | 6°12 | 10°24 | 13°34 | T 26 |
| W27 | 8 55 11 | 15° 7'01 | 22°46 | 10°27 | 21°17 | 16°27 | 21° 9 | 26°15 | 17°11 | 21°23 | 2° 9 | 6°27 | 6° 9 | 10°31 | 13°38 | W27 |
| T 28 | 8 59 8 | 16° 7'39 | 7♑15 | 12°12 | 22°32 | 16°37 | 21°19 | 26°18 | 17° 9 | 21°25 | 2°10 | 6°28 | 6° 6 | 10°37 | 13°43 | T 28 |
| F 29 | 9 3 4 | 17° 8'17 | 21°44 | 13°58 | 23°47 | 16°47 | 21°30 | 26°21 | 17° 7 | 21°27 | 2°10 | 6°29 | 6° 3 | 10°44 | 13°47 | F 29 |
| S 30 | 9 7 1 | 18° 8'53 | 6♒ 6 | 15°45 | 25° 1 | 16°57 | 21°40 | 26°24 | 17° 5 | 21°29 | 2°11 | 6°R29 | 6° 0 | 10°51 | 13°51 | S 30 |
| S 31 | 9 10 57 | 19♒ 9'28 | 20♒17 | 17♒32 | 26♑16 | 17♎ 5 | 21♐50 | 26♏26 | 17♋ 3 | 21♓31 | 2♉11 | 6♌29 | 5♌57 | 10♊57 | 13♐56 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s12 | 20s47 | 2n 6 | 23s41 | 0s 9 | 22s 4 | 1n 0 | 1s22 | 2n28 | 22s20 | 0n28 | 17s 0 | 2n 1 | 22n46 | 0n30 | 4s55 | 1s20 | 2s55 | 16s 7 | 18n43 | 18n27 | 17n15 | 17s51 | 4n24 |
| S 2 | 22 4 | 19 53 | 0 47 | 23 48 | 0 17 | 22 13 | 0 57 | 1 29 | 2 29 | 22 21 | 0 28 | 17 1 | 2 2 | 22 46 | 0 30 | 4 55 | 1 20 | 2 55 | 16 7 | 18 43 | 18 28 | 17 17 | 17 51 | 4 25 |
| S 3 | 21 55 | 17 41 | 0s32 | 23 54 | 0 24 | 22 20 | 0 54 | 1 37 | 2 29 | 22 22 | 0 28 | 17 2 | 2 2 | 22 46 | 0 30 | 4 54 | 1 20 | 2 55 | 16 7 | 18 43 | 18 29 | 17 18 | 17 52 | 4 25 |
| M 4 | 21 45 | 14 28 | 1 48 | 23 59 | 0 31 | 22 28 | 0 52 | 1 45 | 2 30 | 22 24 | 0 28 | 17 3 | 2 2 | 22 47 | 0 30 | 4 54 | 1 20 | 2 54 | 16 6 | 18 43 | 18 29 | 17 20 | 17 52 | 4 26 |
| T 5 | 21 35 | 10 32 | 2 55 | 24 3 | 0 38 | 22 34 | 0 49 | 1 52 | 2 31 | 22 25 | 0 28 | 17 4 | 2 2 | 22 47 | 0 30 | 4 53 | 1 20 | 2 54 | 16 6 | 18 43 | 18 30 | 17 21 | 17 53 | 4 26 |
| W 6 | 21 25 | 6 13 | 3 51 | 24 6 | 0 45 | 22 40 | 0 46 | 1 59 | 2 32 | 22 26 | 0 28 | 17 5 | 2 2 | 22 47 | 0 30 | 4 53 | 1 20 | 2 54 | 16 6 | 18 43 | 18 31 | 17 23 | 17 53 | 4 26 |
| T 7 | 21 14 | 1 46 | 4 34 | 24 7 | 0 52 | 22 45 | 0 43 | 2 6 | 2 33 | 22 27 | 0 28 | 17 6 | 2 2 | 22 48 | 0 30 | 4 52 | 1 20 | 2 53 | 16 5 | 18 42 | 18 32 | 17 24 | 17 53 | 4 27 |
| F 8 | 21 3 | 2n39 | 5 2 | 24 8 | 0 58 | 22 49 | 0 41 | 2 13 | 2 34 | 22 29 | 0 28 | 17 7 | 2 2 | 22 48 | 0 30 | 4 51 | 1 20 | 2 53 | 16 5 | 18 42 | 18 33 | 17 26 | 17 54 | 4 27 |
| S 9 | 20 51 | 6 51 | 5 15 | 24 6 | 1 4 | 22 53 | 0 38 | 2 20 | 2 35 | 22 30 | 0 28 | 17 8 | 2 2 | 22 48 | 0 30 | 4 51 | 1 19 | 2 53 | 16 5 | 18 42 | 18 33 | 17 27 | 17 54 | 4 28 |
| S 10 | 20 39 | 10 43 | 5 15 | 24 4 | 1 10 | 22 56 | 0 35 | 2 27 | 2 35 | 22 31 | 0 28 | 17 9 | 2 3 | 22 49 | 0 30 | 4 50 | 1 19 | 2 52 | 16 4 | 18 42 | 18 34 | 17 29 | 17 54 | 4 28 |
| M11 | 20 27 | 14 8 | 5 1 | 24 0 | 1 16 | 22 58 | 0 32 | 2 33 | 2 36 | 22 32 | 0 28 | 17 10 | 2 3 | 22 49 | 0 30 | 4 50 | 1 19 | 2 52 | 16 4 | 18 43 | 18 35 | 17 30 | 17 54 | 4 29 |
| T 12 | 20 14 | 16 57 | 4 35 | 23 55 | 1 21 | 23 0 | 0 30 | 2 39 | 2 37 | 22 33 | 0 28 | 17 10 | 2 3 | 22 49 | 0 30 | 4 49 | 1 19 | 2 52 | 16 4 | 18 43 | 18 36 | 17 32 | 17 55 | 4 29 |
| W13 | 20 1 | 19 5 | 3 56 | 23 48 | 1 26 | 23 1 | 0 27 | 2 46 | 2 38 | 22 34 | 0 27 | 17 11 | 2 3 | 22 50 | 0 30 | 4 48 | 1 19 | 2 51 | 16 3 | 18 43 | 18 37 | 17 33 | 17 55 | 4 30 |
| T 14 | 19 48 | 20 24 | 3 7 | 23 40 | 1 31 | 23 1 | 0 24 | 2 52 | 2 39 | 22 35 | 0 27 | 17 12 | 2 3 | 22 50 | 0 30 | 4 48 | 1 19 | 2 51 | 16 3 | 18 43 | 18 37 | 17 35 | 17 55 | 4 30 |
| F 15 | 19 34 | 20 47 | 2 10 | 23 31 | 1 35 | 23 1 | 0 21 | 2 57 | 2 40 | 22 36 | 0 27 | 17 13 | 2 3 | 22 50 | 0 30 | 4 47 | 1 19 | 2 51 | 16 3 | 18 43 | 18 38 | 17 36 | 17 55 | 4 30 |
| S 16 | 19 20 | 20 12 | 1 5 | 23 20 | 1 40 | 23 0 | 0 18 | 3 3 | 2 41 | 22 37 | 0 27 | 17 14 | 2 3 | 22 51 | 0 30 | 4 46 | 1 19 | 2 50 | 16 2 | 18 43 | 18 39 | 17 37 | 17 55 | 4 31 |
| S 17 | 19 5 | 18 38 | 0n 3 | 23 8 | 1 44 | 22 58 | 0 15 | 3 8 | 2 41 | 22 38 | 0 27 | 17 15 | 2 4 | 22 51 | 0 30 | 4 46 | 1 19 | 2 50 | 16 2 | 18 43 | 18 40 | 17 39 | 17 56 | 4 31 |
| M18 | 18 50 | 16 8 | 1 13 | 22 54 | 1 47 | 22 55 | 0 13 | 3 14 | 2 42 | 22 39 | 0 27 | 17 15 | 2 4 | 22 51 | 0 30 | 4 45 | 1 19 | 2 49 | 16 1 | 18 43 | 18 41 | 17 40 | 17 56 | 4 32 |
| T 19 | 18 35 | 12 48 | 2 19 | 22 38 | 1 51 | 22 52 | 0 10 | 3 19 | 2 43 | 22 40 | 0 27 | 17 16 | 2 4 | 22 52 | 0 30 | 4 44 | 1 19 | 2 49 | 16 1 | 18 43 | 18 41 | 17 42 | 17 56 | 4 32 |
| W20 | 18 19 | 8 49 | 3 20 | 22 22 | 1 54 | 22 48 | 0 7 | 3 24 | 2 44 | 22 41 | 0 27 | 17 17 | 2 4 | 22 52 | 0 30 | 4 43 | 1 19 | 2 49 | 16 1 | 18 43 | 18 42 | 17 43 | 17 56 | 4 33 |
| T 21 | 18 3 | 4 20 | 4 11 | 22 3 | 1 56 | 22 44 | 0 4 | 3 28 | 2 45 | 22 42 | 0 27 | 17 17 | 2 4 | 22 52 | 0 30 | 4 43 | 1 19 | 2 48 | 16 0 | 18 44 | 18 43 | 17 45 | 17 56 | 4 33 |
| F 22 | 17 47 | 0s25 | 4 50 | 21 43 | 1 59 | 22 38 | 0 2 | 3 33 | 2 46 | 22 43 | 0 27 | 17 18 | 2 4 | 22 53 | 0 30 | 4 42 | 1 19 | 2 48 | 16 0 | 18 44 | 18 44 | 17 46 | 17 56 | 4 34 |
| S 23 | 17 31 | 5 13 | 5 12 | 21 22 | 2 1 | 22 32 | 0s 1 | 3 37 | 2 47 | 22 43 | 0 27 | 17 19 | 2 4 | 22 53 | 0 30 | 4 41 | 1 19 | 2 47 | 16 0 | 18 44 | 18 45 | 17 48 | 17 56 | 4 34 |
| S 24 | 17 14 | 9 49 | 5 17 | 20 59 | 2 2 | 22 26 | 0 4 | 3 41 | 2 47 | 22 44 | 0 27 | 17 19 | 2 5 | 22 53 | 0 30 | 4 41 | 1 19 | 2 47 | 15 59 | 18 44 | 18 45 | 17 49 | 17 56 | 4 35 |
| M25 | 16 57 | 13 57 | 5 3 | 20 34 | 2 3 | 22 18 | 0 7 | 3 45 | 2 48 | 22 45 | 0 27 | 17 20 | 2 5 | 22 54 | 0 30 | 4 40 | 1 19 | 2 46 | 15 59 | 18 44 | 18 46 | 17 51 | 17 56 | 4 35 |
| T 26 | 16 39 | 17 20 | 4 30 | 20 8 | 2 4 | 22 10 | 0 9 | 3 49 | 2 49 | 22 46 | 0 27 | 17 21 | 2 5 | 22 54 | 0 30 | 4 39 | 1 19 | 2 46 | 15 59 | 18 44 | 18 47 | 17 52 | 17 56 | 4 36 |
| W27 | 16 21 | 19 40 | 3 39 | 19 40 | 2 5 | 22 2 | 0 12 | 3 52 | 2 50 | 22 47 | 0 27 | 17 21 | 2 5 | 22 54 | 0 30 | 4 38 | 1 19 | 2 46 | 15 58 | 18 43 | 18 48 | 17 53 | 17 56 | 4 37 |
| T 28 | 16 3 | 20 44 | 2 35 | 19 11 | 2 5 | 21 52 | 0 15 | 3 56 | 2 51 | 22 47 | 0 27 | 17 22 | 2 5 | 22 54 | 0 30 | 4 37 | 1 19 | 2 45 | 15 58 | 18 43 | 18 49 | 17 55 | 17 56 | 4 37 |
| F 29 | 15 45 | 20 26 | 1 21 | 18 40 | 2 4 | 21 42 | 0 17 | 3 59 | 2 52 | 22 48 | 0 27 | 17 22 | 2 5 | 22 55 | 0 30 | 4 37 | 1 19 | 2 45 | 15 58 | 18 43 | 18 49 | 17 56 | 17 56 | 4 38 |
| S 30 | 15 27 | 18 47 | 0 2 | 18 8 | 2 3 | 21 31 | 0 20 | 4 1 | 2 53 | 22 49 | 0 27 | 17 23 | 2 6 | 22 55 | 0 30 | 4 36 | 1 19 | 2 44 | 15 57 | 18 43 | 18 50 | 17 58 | 17 56 | 4 38 |
| S 31 | 15s 8 | 15s58 | 1s16 | 17s34 | 2s 2 | 21s20 | 0s22 | 4s 4 | 2n53 | 22s49 | 0n27 | 17s23 | 2n 6 | 22n55 | 0n30 | 4s35 | 1s19 | 2s44 | 15s57 | 18n43 | 18n51 | 17n59 | 17s56 | 4n39 |

Julian Day Number = 2220354.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'39, Lahiri = 15°01'39 Julian Calendar 1 Jan. 1367 == Greg. Calendar 9 Jan. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## FEBRUARY 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 14 54 | 20♒10'01 | 4♓11 | 19♒20 | 27♉30 | 17♎13 | 22♐ 0 | 26♏29 | 17°R 0 | 21♓33 | 2♉12 | 6°R27 | 5♌53 | 11♊ 4 | 14♐ 0 | M 1 |
| T 2 | 9 18 51 | 21°10'32 | 17°46 | 21°10 | 28°45 | 17°21 | 22°10 | 26°31 | 16♋58 | 21°35 | 2°12 | 6♌26 | 5°50 | 11°11 | 14° 4 | T 2 |
| W 3 | 9 22 47 | 22°11'01 | 1♈ 0 | 23° 0 | 29°59 | 17°28 | 22°20 | 26°34 | 16°56 | 21°37 | 2°13 | 6°23 | 5°47 | 11°17 | 14° 8 | W 3 |
| T 4 | 9 26 44 | 23°11'29 | 13°53 | 24°51 | 1♒14 | 17°34 | 22°30 | 26°36 | 16°54 | 21°39 | 2°13 | 6°21 | 5°44 | 11°24 | 14°12 | T 4 |
| F 5 | 9 30 40 | 24°11'55 | 26°26 | 26°42 | 2°28 | 17°40 | 22°40 | 26°38 | 16°53 | 21°41 | 2°14 | 6°19 | 5°41 | 11°31 | 14°15 | F 5 |
| S 6 | 9 34 37 | 25°12'18 | 8♉42 | 28°34 | 3°43 | 17°45 | 22°49 | 26°40 | 16°51 | 21°43 | 2°15 | 6°17 | 5°37 | 11°38 | 14°19 | S 6 |
| S 7 | 9 38 33 | 26°12'40 | 20°45 | 0♓27 | 4°57 | 17°49 | 22°59 | 26°42 | 16°49 | 21°45 | 2°15 | 6°D16 | 5°34 | 11°44 | 14°23 | S 7 |
| M 8 | 9 42 30 | 27°13'00 | 2♊39 | 2°21 | 6°12 | 17°52 | 23° 8 | 26°44 | 16°47 | 21°47 | 2°16 | 6°16 | 5°31 | 11°51 | 14°26 | M 8 |
| T 9 | 9 46 26 | 28°13'18 | 14°30 | 4°15 | 7°26 | 17°55 | 23°17 | 26°46 | 16°45 | 21°49 | 2°16 | 6°17 | 5°28 | 11°58 | 14°30 | T 9 |
| W10 | 9 50 23 | 29°13'34 | 26°22 | 6° 9 | 8°41 | 17°58 | 23°26 | 26°48 | 16°43 | 21°52 | 2°17 | 6°19 | 5°25 | 12° 4 | 14°33 | W10 |
| T 11 | 9 54 19 | 0♓13'48 | 8♋20 | 8° 3 | 9°55 | 17°59 | 23°35 | 26°49 | 16°42 | 21°54 | 2°18 | 6°20 | 5°22 | 12°11 | 14°36 | T 11 |
| F 12 | 9 58 16 | 1°13'59 | 20°28 | 9°58 | 11°10 | 18° 0 | 23°44 | 26°51 | 16°40 | 21°56 | 2°19 | 6°22 | 5°18 | 12°18 | 14°39 | F 12 |
| S 13 | 10 2 13 | 2°14'09 | 2♌50 | 11°52 | 12°24 | 18°R 0 | 23°53 | 26°52 | 16°38 | 21°58 | 2°19 | 6°R23 | 5°15 | 12°24 | 14°43 | S 13 |
| S 14 | 10 6 9 | 3°14'17 | 15°27 | 13°45 | 13°39 | 17°59 | 24° 2 | 26°53 | 16°37 | 22° 0 | 2°20 | 6°22 | 5°12 | 12°31 | 14°46 | S 14 |
| M15 | 10 10 6 | 4°14'23 | 28°22 | 15°38 | 14°53 | 17°58 | 24°10 | 26°55 | 16°35 | 22° 2 | 2°21 | 6°21 | 5° 9 | 12°38 | 14°49 | M15 |
| T 16 | 10 14 2 | 5°14'26 | 11♍35 | 17°30 | 16° 8 | 17°56 | 24°18 | 26°56 | 16°34 | 22° 5 | 2°22 | 6°18 | 5° 6 | 12°44 | 14°51 | T 16 |
| W17 | 10 17 59 | 6°14'28 | 25° 4 | 19°20 | 17°22 | 17°53 | 24°27 | 26°57 | 16°32 | 22° 7 | 2°22 | 6°13 | 5° 3 | 12°51 | 14°54 | W17 |
| T 18 | 10 21 55 | 7°14'28 | 8♎47 | 21° 8 | 18°37 | 17°49 | 24°35 | 26°58 | 16°31 | 22° 9 | 2°23 | 6° 9 | 4°59 | 12°58 | 14°57 | T 18 |
| F 19 | 10 25 52 | 8°14'27 | 22°42 | 22°53 | 19°51 | 17°45 | 24°43 | 26°58 | 16°30 | 22°11 | 2°24 | 6° 4 | 4°56 | 13° 5 | 14°59 | F 19 |
| S 20 | 10 29 48 | 9°14'23 | 6♏44 | 24°36 | 21° 6 | 17°39 | 24°50 | 26°59 | 16°28 | 22°13 | 2°25 | 5°59 | 4°53 | 13°11 | 15° 2 | S 20 |
| S 21 | 10 33 45 | 10°14'18 | 20°52 | 26°16 | 22°20 | 17°33 | 24°58 | 27° 0 | 16°27 | 22°16 | 2°26 | 5°56 | 4°50 | 13°18 | 15° 4 | S 21 |
| M22 | 10 37 42 | 11°14'12 | 5♐ 2 | 27°51 | 23°35 | 17°27 | 25° 6 | 27° 0 | 16°26 | 22°18 | 2°27 | 5°D55 | 4°47 | 13°25 | 15° 7 | M22 |
| T 23 | 10 41 38 | 12°14'03 | 19°12 | 29°22 | 24°49 | 17°19 | 25°13 | 27° 1 | 16°25 | 22°20 | 2°28 | 5°55 | 4°43 | 13°31 | 15° 9 | T 23 |
| W24 | 10 45 35 | 13°13'53 | 3♑20 | 0♈48 | 26° 4 | 17°11 | 25°20 | 27° 1 | 16°24 | 22°22 | 2°29 | 5°56 | 4°40 | 13°38 | 15°11 | W24 |
| T 25 | 10 49 31 | 14°13'42 | 17°25 | 2° 9 | 27°18 | 17° 2 | 25°27 | 27° 1 | 16°23 | 22°25 | 2°30 | 5°57 | 4°37 | 13°45 | 15°13 | T 25 |
| F 26 | 10 53 28 | 15°13'28 | 1♒26 | 3°23 | 28°32 | 16°52 | 25°34 | 27° 1 | 16°22 | 22°27 | 2°31 | 5°R58 | 4°34 | 13°51 | 15°15 | F 26 |
| S 27 | 10 57 24 | 16°13'13 | 15°19 | 4°32 | 29°47 | 16°41 | 25°41 | 27°R 1 | 16°21 | 22°29 | 2°32 | 5°58 | 4°31 | 13°58 | 15°17 | S 27 |
| S 28 | 11 1 21 | 17♓12'56 | 29♒ 3 | 5♈33 | 1♓ 1 | 16♎30 | 25♐48 | 27♏ 1 | 16♋20 | 22♓31 | 2♉33 | 5♌56 | 4♌28 | 14♊ 5 | 15♐19 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 14s49 | 12s18 | 2s27 | 16s58 | 2s 0 | 21s 8 | 0s25 | 4s 6 | 2n54 | 22s50 | 0n27 | 17s24 | 2n 6 | 22n55 | 0n30 | 4s34 | 1s19 | 2s43 | 15s57 | 18n43 | 18n52 | 18n 1 | 17s56 | 4n39 | M 1 |
| T 2 | 14 29 | 8 3 | 3 29 | 16 21 | 1 58 | 20 56 | 0 27 | 4 8 | 2 55 | 22 51 | 0 27 | 17 24 | 2 6 | 22 56 | 0 30 | 4 33 | 1 19 | 2 43 | 15 56 | 18 44 | 18 53 | 18 2 | 17 56 | 4 40 | T 2 |
| W 3 | 14 10 | 3 32 | 4 18 | 15 42 | 1 55 | 20 42 | 0 30 | 4 10 | 2 56 | 22 51 | 0 27 | 17 24 | 2 6 | 22 56 | 0 30 | 4 33 | 1 19 | 2 42 | 15 56 | 18 44 | 18 53 | 18 3 | 17 56 | 4 40 | W 3 |
| T 4 | 13 50 | 1n 1 | 4 52 | 15 2 | 1 51 | 20 29 | 0 32 | 4 12 | 2 56 | 22 52 | 0 27 | 17 25 | 2 6 | 22 56 | 0 30 | 4 32 | 1 19 | 2 42 | 15 56 | 18 45 | 18 54 | 18 5 | 17 56 | 4 41 | T 4 |
| F 5 | 13 30 | 5 24 | 5 11 | 14 20 | 1 47 | 20 14 | 0 35 | 4 13 | 2 57 | 22 52 | 0 27 | 17 25 | 2 7 | 22 56 | 0 30 | 4 31 | 1 19 | 2 41 | 15 55 | 18 45 | 18 55 | 18 6 | 17 56 | 4 41 | F 5 |
| S 6 | 13 10 | 9 28 | 5 15 | 13 37 | 1 43 | 19 59 | 0 37 | 4 15 | 2 58 | 22 53 | 0 27 | 17 25 | 2 7 | 22 57 | 0 30 | 4 30 | 1 19 | 2 41 | 15 55 | 18 46 | 18 56 | 18 8 | 17 56 | 4 42 | S 6 |
| S 7 | 12 49 | 13 5 | 5 6 | 12 52 | 1 37 | 19 44 | 0 39 | 4 16 | 2 59 | 22 53 | 0 27 | 17 26 | 2 7 | 22 57 | 0 30 | 4 29 | 1 19 | 2 40 | 15 55 | 18 46 | 18 56 | 18 9 | 17 55 | 4 43 | S 7 |
| M 8 | 12 29 | 16 8 | 4 43 | 12 6 | 1 32 | 19 28 | 0 42 | 4 16 | 2 59 | 22 54 | 0 27 | 17 26 | 2 7 | 22 57 | 0 30 | 4 28 | 1 19 | 2 40 | 15 54 | 18 46 | 18 57 | 18 10 | 17 55 | 4 43 | M 8 |
| T 9 | 12 8 | 18 30 | 4 8 | 11 19 | 1 25 | 19 11 | 0 44 | 4 17 | 3 0 | 22 55 | 0 26 | 17 26 | 2 7 | 22 57 | 0 30 | 4 28 | 1 19 | 2 39 | 15 54 | 18 46 | 18 58 | 18 12 | 17 55 | 4 44 | T 9 |
| W10 | 11 47 | 20 5 | 3 23 | 10 30 | 1 18 | 18 54 | 0 46 | 4 17 | 3 1 | 22 55 | 0 26 | 17 26 | 2 7 | 22 58 | 0 30 | 4 27 | 1 19 | 2 39 | 15 54 | 18 46 | 18 59 | 18 13 | 17 55 | 4 44 | W10 |
| T 11 | 11 26 | 20 47 | 2 28 | 9 40 | 1 11 | 18 36 | 0 48 | 4 17 | 3 1 | 22 55 | 0 26 | 17 27 | 2 8 | 22 58 | 0 30 | 4 26 | 1 19 | 2 38 | 15 53 | 18 45 | 19 0 | 18 15 | 17 55 | 4 45 | T 11 |
| F 12 | 11 4 | 20 32 | 1 26 | 8 49 | 1 2 | 18 17 | 0 50 | 4 17 | 3 2 | 22 56 | 0 26 | 17 27 | 2 8 | 22 58 | 0 30 | 4 25 | 1 19 | 2 38 | 15 53 | 18 45 | 19 0 | 18 16 | 17 54 | 4 46 | F 12 |
| S 13 | 10 43 | 19 17 | 0 20 | 7 58 | 0 54 | 17 58 | 0 52 | 4 16 | 3 3 | 22 56 | 0 26 | 17 27 | 2 8 | 22 58 | 0 30 | 4 24 | 1 19 | 2 37 | 15 53 | 18 44 | 19 1 | 18 17 | 17 54 | 4 46 | S 13 |
| S 14 | 10 21 | 17 3 | 0n50 | 7 5 | 0 44 | 17 39 | 0 54 | 4 15 | 3 3 | 22 57 | 0 26 | 17 27 | 2 8 | 22 58 | 0 30 | 4 23 | 1 19 | 2 37 | 15 53 | 18 45 | 19 2 | 18 19 | 17 54 | 4 47 | S 14 |
| M15 | 9 59 | 13 55 | 1 58 | 6 12 | 0 34 | 17 19 | 0 56 | 4 14 | 3 4 | 22 57 | 0 26 | 17 27 | 2 8 | 22 59 | 0 30 | 4 22 | 1 19 | 2 36 | 15 52 | 18 45 | 19 3 | 18 20 | 17 54 | 4 47 | M15 |
| T 16 | 9 37 | 10 2 | 3 1 | 5 19 | 0 23 | 16 59 | 0 58 | 4 13 | 3 4 | 22 58 | 0 26 | 17 27 | 2 8 | 22 59 | 0 30 | 4 22 | 1 19 | 2 35 | 15 52 | 18 46 | 19 3 | 18 21 | 17 53 | 4 48 | T 16 |
| W17 | 9 15 | 5 34 | 3 55 | 4 25 | 0 12 | 16 38 | 1 0 | 4 12 | 3 5 | 22 58 | 0 26 | 17 27 | 2 9 | 22 59 | 0 30 | 4 21 | 1 19 | 2 35 | 15 52 | 18 47 | 19 4 | 18 23 | 17 53 | 4 49 | W17 |
| T 18 | 8 53 | 0 45 | 4 37 | 3 32 | 0 0 | 16 17 | 1 2 | 4 10 | 3 5 | 22 58 | 0 26 | 17 27 | 2 9 | 22 59 | 0 30 | 4 20 | 1 19 | 2 34 | 15 51 | 18 48 | 19 5 | 18 24 | 17 53 | 4 49 | T 18 |
| F 19 | 8 30 | 4s10 | 5 4 | 2 39 | 0n12 | 15 55 | 1 4 | 4 8 | 3 6 | 22 59 | 0 26 | 17 27 | 2 9 | 22 59 | 0 30 | 4 19 | 1 19 | 2 34 | 15 51 | 18 49 | 19 6 | 18 25 | 17 52 | 4 50 | F 19 |
| S 20 | 8 8 | 8 54 | 5 12 | 1 47 | 0 24 | 15 33 | 1 5 | 4 5 | 3 6 | 22 59 | 0 26 | 17 27 | 2 9 | 22 59 | 0 29 | 4 18 | 1 19 | 2 33 | 15 51 | 18 50 | 19 7 | 18 27 | 17 52 | 4 50 | S 20 |
| S 21 | 7 45 | 13 11 | 5 1 | 0 55 | 0 37 | 15 10 | 1 7 | 4 3 | 3 6 | 22 59 | 0 26 | 17 27 | 2 9 | 22 59 | 0 29 | 4 17 | 1 19 | 2 33 | 15 51 | 18 51 | 19 7 | 18 28 | 17 52 | 4 51 | S 21 |
| M22 | 7 23 | 16 44 | 4 33 | 0 5 | 0 51 | 14 47 | 1 9 | 4 0 | 3 7 | 23 0 | 0 26 | 17 27 | 2 9 | 23 0 | 0 29 | 4 16 | 1 19 | 2 32 | 15 50 | 18 51 | 19 8 | 18 30 | 17 51 | 4 52 | M22 |
| T 23 | 7 0 | 19 18 | 3 47 | 0n43 | 1 4 | 14 24 | 1 10 | 3 57 | 3 7 | 23 0 | 0 26 | 17 27 | 2 10 | 23 0 | 0 29 | 4 15 | 1 19 | 2 32 | 15 50 | 18 51 | 19 9 | 18 31 | 17 51 | 4 52 | T 23 |
| W24 | 6 37 | 20 40 | 2 48 | 1 30 | 1 17 | 14 0 | 1 11 | 3 53 | 3 7 | 23 0 | 0 26 | 17 27 | 2 10 | 23 0 | 0 29 | 4 15 | 1 19 | 2 31 | 15 50 | 18 51 | 19 10 | 18 32 | 17 50 | 4 53 | W24 |
| T 25 | 6 14 | 20 44 | 1 39 | 2 15 | 1 31 | 13 35 | 1 13 | 3 50 | 3 7 | 23 1 | 0 26 | 17 27 | 2 10 | 23 0 | 0 29 | 4 14 | 1 19 | 2 31 | 15 49 | 18 51 | 19 10 | 18 34 | 17 50 | 4 54 | T 25 |
| F 26 | 5 50 | 19 30 | 0 25 | 2 57 | 1 44 | 13 11 | 1 14 | 3 46 | 3 7 | 23 1 | 0 26 | 17 27 | 2 10 | 23 0 | 0 29 | 4 13 | 1 19 | 2 30 | 15 49 | 18 51 | 19 11 | 18 35 | 17 50 | 4 54 | F 26 |
| S 27 | 5 27 | 17 6 | 0s51 | 3 36 | 1 57 | 12 46 | 1 16 | 3 42 | 3 7 | 23 1 | 0 26 | 17 27 | 2 10 | 23 0 | 0 29 | 4 12 | 1 19 | 2 29 | 15 49 | 18 51 | 19 12 | 18 36 | 17 49 | 4 55 | S 27 |
| S 28 | 5s 4 | 13s45 | 2s 2 | 4n12 | 2n10 | 12s21 | 1s17 | 3s37 | 3n 7 | 23s 1 | 0n26 | 17s26 | 2n11 | 23n 0 | 0n29 | 4s11 | 1s19 | 2s29 | 15s49 | 18n51 | 19n13 | 18n38 | 17s49 | 4n55 | S 28 |

Julian Day Number = 2220385.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'43, Lahiri = 15°01'44 Julian Calendar 1 Feb. 1367 == Greg. Calendar 9 Feb. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## MARCH 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 5 17 | 18♓12'37 | 12♓36 | 6♈28 | 2♓16 | 16°R17 | 25♐55 | 27°R 1 | 16°R19 | 22♓34 | 2♉34 | 5°R52 | 4♌24 | 14♊11 | 15♐20 | M 1 |
| T 2 | 11 9 14 | 19°12'16 | 25°55 | 7°15 | 3°30 | 16♎ 4 | 26° 1 | 27♏ 1 | 16♋18 | 22°36 | 2°35 | 5♌45 | 4°21 | 14°18 | 15°22 | T 2 |
| W 3 | 11 13 11 | 20°11'52 | 8♈59 | 7°54 | 4°44 | 15°51 | 26° 7 | 27° 0 | 16°17 | 22°38 | 2°36 | 5°38 | 4°18 | 14°25 | 15°23 | W 3 |
| T 4 | 11 17 7 | 21°11'27 | 21°45 | 8°25 | 5°59 | 15°36 | 26°13 | 27° 0 | 16°17 | 22°40 | 2°37 | 5°29 | 4°15 | 14°32 | 15°25 | T 4 |
| F 5 | 11 21 4 | 22°10'59 | 4♉16 | 8°49 | 7°13 | 15°21 | 26°19 | 26°59 | 16°16 | 22°43 | 2°38 | 5°21 | 4°12 | 14°38 | 15°26 | F 5 |
| S 6 | 11 25 0 | 23°10'30 | 16°31 | 9° 4 | 8°28 | 15° 5 | 26°25 | 26°58 | 16°15 | 22°45 | 2°39 | 5°14 | 4° 8 | 14°45 | 15°27 | S 6 |
| S 7 | 11 28 57 | 24° 9'57 | 28°34 | 9°R12 | 9°42 | 14°49 | 26°30 | 26°58 | 16°15 | 22°47 | 2°40 | 5° 9 | 4° 5 | 14°52 | 15°28 | S 7 |
| M 8 | 11 32 53 | 25° 9'23 | 10♊29 | 9°12 | 10°56 | 14°32 | 26°36 | 26°57 | 16°14 | 22°50 | 2°41 | 5° 5 | 4° 2 | 14°58 | 15°29 | M 8 |
| T 9 | 11 36 50 | 26° 8'46 | 22°19 | 9° 4 | 12°11 | 14°14 | 26°41 | 26°56 | 16°14 | 22°52 | 2°42 | 5°D 4 | 3°59 | 15° 5 | 15°30 | T 9 |
| W10 | 11 40 46 | 27° 8'07 | 4♋10 | 8°49 | 13°25 | 13°56 | 26°46 | 26°55 | 16°14 | 22°54 | 2°43 | 5° 4 | 3°56 | 15°12 | 15°31 | W10 |
| T 11 | 11 44 43 | 28° 7'26 | 16° 8 | 8°27 | 14°39 | 13°37 | 26°51 | 26°54 | 16°13 | 22°56 | 2°44 | 5° 5 | 3°53 | 15°18 | 15°32 | T 11 |
| F 12 | 11 48 40 | 29° 6'42 | 28°17 | 7°59 | 15°54 | 13°18 | 26°56 | 26°52 | 16°13 | 22°59 | 2°46 | 5° 6 | 3°49 | 15°25 | 15°32 | F 12 |
| S 13 | 11 52 36 | 0♈ 5'56 | 10♌42 | 7°26 | 17° 8 | 12°58 | 27° 1 | 26°51 | 16°13 | 23° 1 | 2°47 | 5°R 6 | 3°46 | 15°32 | 15°33 | S 13 |
| S 14 | 11 56 33 | 1° 5'08 | 23°27 | 6°47 | 18°22 | 12°38 | 27° 5 | 26°49 | 16°13 | 23° 3 | 2°48 | 5° 5 | 3°43 | 15°38 | 15°33 | S 14 |
| M15 | 12 0 29 | 2° 4'17 | 6♍34 | 6° 5 | 19°36 | 12°17 | 27° 9 | 26°48 | 16°12 | 23° 5 | 2°49 | 5° 1 | 3°40 | 15°45 | 15°33 | M15 |
| T 16 | 12 4 26 | 3° 3'25 | 20° 5 | 5°20 | 20°51 | 11°56 | 27°13 | 26°46 | 16°12 | 23° 8 | 2°50 | 4°54 | 3°37 | 15°52 | 15°34 | T 16 |
| W17 | 12 8 22 | 4° 2'29 | 3♎57 | 4°32 | 22° 5 | 11°34 | 27°17 | 26°44 | 16°D12 | 23°10 | 2°52 | 4°46 | 3°34 | 15°58 | 15°34 | W17 |
| T 18 | 12 12 19 | 5° 1'32 | 18° 8 | 3°44 | 23°19 | 11°12 | 27°21 | 26°43 | 16°12 | 23°12 | 2°53 | 4°36 | 3°30 | 16° 5 | 15°R34 | T 18 |
| F 19 | 12 16 15 | 6° 0'33 | 2♏31 | 2°55 | 24°33 | 10°50 | 27°25 | 26°41 | 16°12 | 23°14 | 2°54 | 4°27 | 3°27 | 16°12 | 15°34 | F 19 |
| S 20 | 12 20 12 | 6°59'32 | 17° 1 | 2° 7 | 25°48 | 10°28 | 27°28 | 26°39 | 16°13 | 23°17 | 2°55 | 4°18 | 3°24 | 16°19 | 15°34 | S 20 |
| S 21 | 12 24 8 | 7°58'30 | 1♐31 | 1°21 | 27° 2 | 10° 5 | 27°31 | 26°37 | 16°13 | 23°19 | 2°56 | 4°11 | 3°21 | 16°25 | 15°33 | S 21 |
| M22 | 12 28 5 | 8°57'25 | 15°56 | 0°37 | 28°16 | 9°42 | 27°34 | 26°34 | 16°13 | 23°21 | 2°58 | 4° 6 | 3°18 | 16°32 | 15°33 | M22 |
| T 23 | 12 32 2 | 9°56'19 | 0♑11 | 29♓57 | 29°30 | 9°20 | 27°37 | 26°32 | 16°13 | 23°23 | 2°59 | 4° 4 | 3°14 | 16°39 | 15°33 | T 23 |
| W24 | 12 35 58 | 10°55'11 | 14°16 | 29°20 | 0♈44 | 8°57 | 27°40 | 26°30 | 16°14 | 23°25 | 3° 0 | 4°D 4 | 3°11 | 16°45 | 15°32 | W24 |
| T 25 | 12 39 55 | 11°54'01 | 28° 9 | 28°47 | 1°59 | 8°34 | 27°43 | 26°27 | 16°14 | 23°28 | 3° 2 | 4°R 4 | 3° 8 | 16°52 | 15°31 | T 25 |
| F 26 | 12 43 51 | 12°52'50 | 11♒50 | 28°20 | 3°13 | 8°11 | 27°45 | 26°25 | 16°15 | 23°30 | 3° 3 | 4° 4 | 3° 5 | 16°59 | 15°31 | F 26 |
| S 27 | 12 47 48 | 13°51'36 | 25°21 | 27°57 | 4°27 | 7°48 | 27°47 | 26°22 | 16°15 | 23°32 | 3° 4 | 4° 3 | 3° 2 | 17° 5 | 15°30 | S 27 |
| S 28 | 12 51 44 | 14°50'21 | 8♓41 | 27°39 | 5°41 | 7°25 | 27°49 | 26°19 | 16°16 | 23°34 | 3° 5 | 3°58 | 2°59 | 17°12 | 15°29 | S 28 |
| M29 | 12 55 41 | 15°49'04 | 21°50 | 27°26 | 6°55 | 7° 2 | 27°51 | 26°17 | 16°16 | 23°36 | 3° 7 | 3°51 | 2°55 | 17°19 | 15°28 | M29 |
| T 30 | 12 59 37 | 16°47'46 | 4♈47 | 27°19 | 8° 9 | 6°40 | 27°52 | 26°14 | 16°17 | 23°38 | 3° 8 | 3°41 | 2°52 | 17°25 | 15°27 | T 30 |
| W31 | 13 3 34 | 17♈46'25 | 17♈33 | 27°D17 | 9♈24 | 6♎18 | 27♐54 | 26♏11 | 16♋18 | 23♓40 | 3♉ 9 | 3♌29 | 2♌49 | 17♊32 | 15♐26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s41 | 9s42 | 3s 5 | 4n45 | 2n22 | 11s55 | 1s18 | 3s33 | 3n 7 | 23s 2 | 0n26 | 17s26 | 2n11 | 23n 0 | 0n29 | 4s10 | 1s19 | 2s28 | 15s48 | 18n52 | 19n13 | 18n39 | 17s48 | 4n56 |
| T 2 | 4 17 | 5 15 | 3 57 | 5 14 | 2 33 | 11 29 | 1 19 | 3 28 | 3 7 | 23 2 | 0 26 | 17 26 | 2 11 | 23 0 | 0 29 | 4 9 | 1 19 | 2 28 | 15 48 | 18 54 | 19 14 | 18 40 | 17 48 | 4 57 |
| W 3 | 3 54 | 0 39 | 4 36 | 5 39 | 2 44 | 11 3 | 1 20 | 3 23 | 3 7 | 23 2 | 0 26 | 17 26 | 2 11 | 23 0 | 0 29 | 4 8 | 1 19 | 2 27 | 15 48 | 18 56 | 19 15 | 18 42 | 17 47 | 4 57 |
| T 4 | 3 30 | 3n53 | 4 59 | 6 1 | 2 54 | 10 36 | 1 21 | 3 18 | 3 7 | 23 2 | 0 26 | 17 25 | 2 11 | 23 1 | 0 29 | 4 7 | 1 19 | 2 27 | 15 48 | 18 58 | 19 16 | 18 43 | 17 47 | 4 58 |
| F 5 | 3 7 | 8 9 | 5 8 | 6 18 | 3 3 | 10 9 | 1 22 | 3 12 | 3 6 | 23 2 | 0 26 | 17 25 | 2 11 | 23 1 | 0 29 | 4 6 | 1 19 | 2 26 | 15 47 | 19 0 | 19 16 | 18 44 | 17 46 | 4 59 |
| S 6 | 2 43 | 12 0 | 5 2 | 6 32 | 3 11 | 9 42 | 1 23 | 3 6 | 3 6 | 23 3 | 0 26 | 17 25 | 2 11 | 23 1 | 0 29 | 4 6 | 1 19 | 2 25 | 15 47 | 19 1 | 19 17 | 18 46 | 17 46 | 4 59 |
| S 7 | 2 19 | 15 19 | 4 43 | 6 41 | 3 17 | 9 15 | 1 24 | 3 0 | 3 5 | 23 3 | 0 26 | 17 25 | 2 12 | 23 1 | 0 29 | 4 5 | 1 19 | 2 25 | 15 47 | 19 3 | 19 18 | 18 47 | 17 45 | 5 0 |
| M 8 | 1 56 | 17 57 | 4 11 | 6 45 | 3 22 | 8 47 | 1 24 | 2 54 | 3 5 | 23 3 | 0 26 | 17 24 | 2 12 | 23 1 | 0 29 | 4 4 | 1 19 | 2 24 | 15 47 | 19 4 | 19 19 | 18 48 | 17 45 | 5 1 |
| T 9 | 1 32 | 19 49 | 3 30 | 6 45 | 3 26 | 8 19 | 1 25 | 2 48 | 3 4 | 23 3 | 0 26 | 17 24 | 2 12 | 23 1 | 0 29 | 4 3 | 1 19 | 2 24 | 15 47 | 19 4 | 19 19 | 18 49 | 17 44 | 5 1 |
| W10 | 1 9 | 20 49 | 2 39 | 6 41 | 3 28 | 7 51 | 1 26 | 2 42 | 3 4 | 23 3 | 0 26 | 17 23 | 2 12 | 23 1 | 0 29 | 4 2 | 1 19 | 2 23 | 15 46 | 19 4 | 19 20 | 18 51 | 17 44 | 5 2 |
| T 11 | 0 45 | 20 53 | 1 40 | 6 33 | 3 28 | 7 23 | 1 26 | 2 35 | 3 3 | 23 3 | 0 26 | 17 23 | 2 12 | 23 1 | 0 29 | 4 1 | 1 19 | 2 23 | 15 46 | 19 4 | 19 21 | 18 52 | 17 43 | 5 2 |
| F 12 | 0 21 | 19 59 | 0 37 | 6 21 | 3 27 | 6 55 | 1 27 | 2 28 | 3 2 | 23 4 | 0 26 | 17 23 | 2 12 | 23 1 | 0 29 | 4 0 | 1 19 | 2 22 | 15 46 | 19 3 | 19 22 | 18 53 | 17 43 | 5 3 |
| S 13 | 0n 2 | 18 6 | 0n30 | 6 5 | 3 24 | 6 26 | 1 27 | 2 21 | 3 1 | 23 4 | 0 26 | 17 22 | 2 13 | 23 1 | 0 29 | 3 59 | 1 19 | 2 21 | 15 46 | 19 3 | 19 22 | 18 55 | 17 42 | 5 4 |
| S 14 | 0 26 | 15 16 | 1 37 | 5 45 | 3 19 | 5 57 | 1 27 | 2 14 | 3 0 | 23 4 | 0 25 | 17 22 | 2 13 | 23 1 | 0 29 | 3 58 | 1 19 | 2 21 | 15 46 | 19 4 | 19 23 | 18 56 | 17 41 | 5 4 |
| M15 | 0 50 | 11 37 | 2 40 | 5 22 | 3 13 | 5 28 | 1 28 | 2 7 | 2 59 | 23 4 | 0 25 | 17 21 | 2 13 | 23 1 | 0 29 | 3 58 | 1 19 | 2 20 | 15 45 | 19 5 | 19 24 | 18 57 | 17 41 | 5 5 |
| T 16 | 1 13 | 7 15 | 3 37 | 4 57 | 3 5 | 4 59 | 1 28 | 2 0 | 2 58 | 23 4 | 0 25 | 17 21 | 2 13 | 23 1 | 0 29 | 3 57 | 1 19 | 2 20 | 15 45 | 19 6 | 19 25 | 18 58 | 17 40 | 5 6 |
| W17 | 1 37 | 2 25 | 4 22 | 4 29 | 2 55 | 4 30 | 1 28 | 1 53 | 2 57 | 23 4 | 0 25 | 17 20 | 2 13 | 23 1 | 0 29 | 3 56 | 1 19 | 2 19 | 15 45 | 19 8 | 19 25 | 19 0 | 17 40 | 5 6 |
| T 18 | 2 0 | 2s39 | 4 52 | 3 59 | 2 44 | 4 0 | 1 28 | 1 45 | 2 55 | 23 4 | 0 25 | 17 19 | 2 13 | 23 1 | 0 29 | 3 55 | 1 19 | 2 19 | 15 45 | 19 11 | 19 26 | 19 1 | 17 39 | 5 7 |
| F 19 | 2 24 | 7 38 | 5 4 | 3 29 | 2 31 | 3 31 | 1 28 | 1 38 | 2 54 | 23 4 | 0 25 | 17 19 | 2 13 | 23 1 | 0 29 | 3 54 | 1 19 | 2 18 | 15 45 | 19 13 | 19 27 | 19 2 | 17 38 | 5 8 |
| S 20 | 2 47 | 12 14 | 4 56 | 2 57 | 2 18 | 3 1 | 1 28 | 1 31 | 2 53 | 23 4 | 0 25 | 17 18 | 2 14 | 23 1 | 0 29 | 3 53 | 1 19 | 2 18 | 15 45 | 19 15 | 19 28 | 19 4 | 17 38 | 5 8 |
| S 21 | 3 10 | 16 7 | 4 30 | 2 25 | 2 3 | 2 32 | 1 28 | 1 23 | 2 51 | 23 5 | 0 25 | 17 18 | 2 14 | 23 1 | 0 29 | 3 52 | 1 19 | 2 17 | 15 44 | 19 17 | 19 28 | 19 5 | 17 37 | 5 9 |
| M22 | 3 34 | 19 1 | 3 47 | 1 54 | 1 48 | 2 2 | 1 28 | 1 16 | 2 49 | 23 5 | 0 25 | 17 17 | 2 14 | 23 1 | 0 29 | 3 51 | 1 19 | 2 16 | 15 44 | 19 18 | 19 29 | 19 6 | 17 36 | 5 9 |
| T 23 | 3 57 | 20 41 | 2 50 | 1 23 | 1 32 | 1 32 | 1 27 | 1 8 | 2 48 | 23 5 | 0 25 | 17 16 | 2 14 | 23 1 | 0 29 | 3 51 | 1 19 | 2 16 | 15 44 | 19 18 | 19 30 | 19 7 | 17 36 | 5 10 |
| W24 | 4 20 | 21 2 | 1 43 | 0 54 | 1 16 | 1 2 | 1 27 | 1 1 | 2 46 | 23 5 | 0 25 | 17 16 | 2 14 | 23 1 | 0 29 | 3 50 | 1 19 | 2 15 | 15 44 | 19 18 | 19 31 | 19 9 | 17 35 | 5 11 |
| T 25 | 4 43 | 20 5 | 0 32 | 0 26 | 1 0 | 0 32 | 1 27 | 0 54 | 2 44 | 23 5 | 0 25 | 17 15 | 2 14 | 23 0 | 0 29 | 3 49 | 1 19 | 2 15 | 15 44 | 19 18 | 19 31 | 19 10 | 17 34 | 5 11 |
| F 26 | 5 6 | 17 57 | 0s41 | 0 0 | 0 44 | 0 2 | 1 26 | 0 46 | 2 42 | 23 5 | 0 25 | 17 14 | 2 14 | 23 0 | 0 29 | 3 48 | 1 19 | 2 14 | 15 44 | 19 18 | 19 32 | 19 11 | 17 34 | 5 12 |
| S 27 | 5 29 | 14 51 | 1 51 | 0s24 | 0 28 | 0n28 | 1 26 | 0 39 | 2 40 | 23 5 | 0 25 | 17 14 | 2 14 | 23 0 | 0 29 | 3 47 | 1 19 | 2 14 | 15 43 | 19 19 | 19 33 | 19 12 | 17 33 | 5 13 |
| S 28 | 5 52 | 11 1 | 2 53 | 0 46 | 0 12 | 0 58 | 1 25 | 0 32 | 2 38 | 23 5 | 0 25 | 17 13 | 2 15 | 23 0 | 0 29 | 3 46 | 1 19 | 2 13 | 15 43 | 19 20 | 19 34 | 19 14 | 17 32 | 5 13 |
| M29 | 6 15 | 6 41 | 3 45 | 1 5 | 0s 4 | 1 28 | 1 24 | 0 25 | 2 36 | 23 5 | 0 25 | 17 12 | 2 15 | 23 0 | 0 29 | 3 46 | 1 19 | 2 13 | 15 43 | 19 21 | 19 34 | 19 15 | 17 31 | 5 14 |
| T 30 | 6 37 | 2 8 | 4 24 | 1 22 | 0 19 | 1 58 | 1 24 | 0 18 | 2 34 | 23 5 | 0 25 | 17 11 | 2 15 | 23 0 | 0 29 | 3 45 | 1 19 | 2 12 | 15 43 | 19 24 | 19 35 | 19 16 | 17 31 | 5 14 |
| W31 | 7n 0 | 2n27 | 4s50 | 1s36 | 0s34 | 2n28 | 1s23 | 0s11 | 2n32 | 23s 5 | 0n25 | 17s11 | 2n15 | 23n 0 | 0n29 | 3s44 | 1s19 | 2s12 | 15s43 | 19n26 | 19n36 | 19n17 | 17s30 | 5n15 |

Julian Day Number = 2220413.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'47, Lahiri = 15°01'47 Julian Calendar 1 March 1367 == Greg. Calendar 9 March 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## APRIL 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 7 31 | 18♈45'02 | 0♉ 7 | 27♓20 | 10♈38 | 5°R56 | 27♐55 | 26°R 8 | 16♋19 | 23♓43 | 3♉11 | 3°R16 | 2♌46 | 17♊39 | 15°R24 | T 1 |
| F 2 | 13 11 27 | 19°43'37 | 12°28 | 27°28 | 11°52 | 5♎34 | 27°56 | 26♏ 5 | 16°19 | 23°45 | 3°12 | 3♌ 3 | 2°43 | 17°45 | 15♐23 | F 2 |
| S 3 | 13 15 24 | 20°42'11 | 24°37 | 27°40 | 13° 6 | 5°13 | 27°57 | 26° 2 | 16°20 | 23°47 | 3°13 | 2°52 | 2°39 | 17°52 | 15°22 | S 3 |
| S 4 | 13 19 20 | 21°40'42 | 6♊37 | 27°58 | 14°20 | 4°52 | 27°57 | 25°58 | 16°21 | 23°49 | 3°15 | 2°42 | 2°36 | 17°59 | 15°20 | S 4 |
| M 5 | 13 23 17 | 22°39'11 | 18°29 | 28°20 | 15°34 | 4°32 | 27°58 | 25°55 | 16°22 | 23°51 | 3°16 | 2°35 | 2°33 | 18° 6 | 15°18 | M 5 |
| T 6 | 13 27 13 | 23°37'38 | 0♋18 | 28°47 | 16°48 | 4°12 | 27°58 | 25°52 | 16°23 | 23°53 | 3°17 | 2°31 | 2°30 | 18°12 | 15°17 | T 6 |
| W 7 | 13 31 10 | 24°36'03 | 12° 8 | 29°18 | 18° 2 | 3°52 | 27°R58 | 25°48 | 16°25 | 23°55 | 3°19 | 2°29 | 2°27 | 18°19 | 15°15 | W 7 |
| T 8 | 13 35 6 | 25°34'26 | 24° 4 | 29°53 | 19°16 | 3°34 | 27°58 | 25°45 | 16°26 | 23°57 | 3°20 | 2°28 | 2°24 | 18°26 | 15°13 | T 8 |
| F 9 | 13 39 3 | 26°32'46 | 6♌11 | 0♈32 | 20°30 | 3°15 | 27°58 | 25°41 | 16°27 | 23°59 | 3°21 | 2°28 | 2°20 | 18°32 | 15°11 | F 9 |
| S 10 | 13 43 0 | 27°31'05 | 18°35 | 1°15 | 21°44 | 2°58 | 27°57 | 25°38 | 16°28 | 24° 1 | 3°23 | 2°28 | 2°17 | 18°39 | 15° 9 | S 10 |
| S 11 | 13 46 56 | 28°29'21 | 1♍21 | 2° 1 | 22°58 | 2°41 | 27°57 | 25°34 | 16°29 | 24° 3 | 3°24 | 2°25 | 2°14 | 18°46 | 15° 7 | S 11 |
| M12 | 13 50 53 | 29°27'36 | 14°32 | 2°51 | 24°12 | 2°24 | 27°56 | 25°30 | 16°31 | 24° 5 | 3°25 | 2°21 | 2°11 | 18°52 | 15° 5 | M12 |
| T 13 | 13 54 49 | 0♉25'48 | 28°11 | 3°44 | 25°26 | 2° 9 | 27°55 | 25°27 | 16°32 | 24° 7 | 3°27 | 2°13 | 2° 8 | 18°59 | 15° 3 | T 13 |
| W14 | 13 58 46 | 1°23'58 | 12♎17 | 4°40 | 26°40 | 1°54 | 27°54 | 25°23 | 16°34 | 24° 9 | 3°28 | 2° 4 | 2° 5 | 19° 6 | 15° 0 | W14 |
| T 15 | 14 2 42 | 2°22'06 | 26°46 | 5°39 | 27°54 | 1°40 | 27°52 | 25°19 | 16°35 | 24°11 | 3°30 | 1°52 | 2° 1 | 19°12 | 14°58 | T 15 |
| F 16 | 14 6 39 | 3°20'13 | 11♏33 | 6°41 | 29° 8 | 1°26 | 27°51 | 25°15 | 16°37 | 24°12 | 3°31 | 1°41 | 1°58 | 19°19 | 14°55 | F 16 |
| S 17 | 14 10 35 | 4°18'18 | 26°27 | 7°46 | 0♑22 | 1°13 | 27°49 | 25°11 | 16°38 | 24°14 | 3°32 | 1°31 | 1°55 | 19°26 | 14°53 | S 17 |
| S 18 | 14 14 32 | 5°16'22 | 11♐22 | 8°54 | 1°36 | 1° 1 | 27°47 | 25° 7 | 16°40 | 24°16 | 3°34 | 1°22 | 1°52 | 19°32 | 14°50 | S 18 |
| M19 | 14 18 29 | 6°14'24 | 26° 7 | 10° 4 | 2°50 | 0°50 | 27°45 | 25° 3 | 16°42 | 24°18 | 3°35 | 1°17 | 1°49 | 19°39 | 14°47 | M19 |
| T 20 | 14 22 25 | 7°12'25 | 10♑39 | 11°17 | 4° 4 | 0°40 | 27°42 | 24°59 | 16°43 | 24°20 | 3°36 | 1°14 | 1°45 | 19°46 | 14°45 | T 20 |
| W21 | 14 26 22 | 8°10'24 | 24°52 | 12°32 | 5°17 | 0°30 | 27°40 | 24°55 | 16°45 | 24°21 | 3°38 | 1°13 | 1°42 | 19°52 | 14°42 | W21 |
| T 22 | 14 30 18 | 9° 8'22 | 8♒45 | 13°50 | 6°31 | 0°21 | 27°37 | 24°51 | 16°47 | 24°23 | 3°39 | 1°13 | 1°39 | 19°59 | 14°39 | T 22 |
| F 23 | 14 34 15 | 10° 6'19 | 22°21 | 15°10 | 7°45 | 0°13 | 27°34 | 24°46 | 16°49 | 24°25 | 3°40 | 1°12 | 1°36 | 20° 6 | 14°36 | F 23 |
| S 24 | 14 38 11 | 11° 4'14 | 5♓39 | 16°32 | 8°59 | 0° 6 | 27°31 | 24°42 | 16°51 | 24°27 | 3°42 | 1°10 | 1°33 | 20°12 | 14°33 | S 24 |
| S 25 | 14 42 8 | 12° 2'08 | 18°43 | 17°57 | 10°13 | 29♍59 | 27°28 | 24°38 | 16°53 | 24°28 | 3°43 | 1° 6 | 1°30 | 20°19 | 14°30 | S 25 |
| M26 | 14 46 4 | 13° 0'00 | 1♈33 | 19°23 | 11°27 | 29°54 | 27°25 | 24°34 | 16°55 | 24°30 | 3°45 | 0°59 | 1°26 | 20°26 | 14°27 | M26 |
| T 27 | 14 50 1 | 13°57'52 | 14°12 | 20°52 | 12°41 | 29°49 | 27°21 | 24°29 | 16°57 | 24°32 | 3°46 | 0°49 | 1°23 | 20°32 | 14°23 | T 27 |
| W28 | 14 53 57 | 14°55'42 | 26°40 | 22°24 | 13°55 | 29°45 | 27°17 | 24°25 | 16°59 | 24°33 | 3°47 | 0°37 | 1°20 | 20°39 | 14°20 | W28 |
| T 29 | 14 57 54 | 15°53'30 | 8♉59 | 23°57 | 15° 8 | 29°41 | 27°13 | 24°21 | 17° 1 | 24°35 | 3°49 | 0°24 | 1°17 | 20°46 | 14°17 | T 29 |
| F 30 | 15 1 51 | 16♉51'17 | 21♉ 8 | 25♈33 | 16♉22 | 29♍39 | 27♐ 9 | 24♏16 | 17♋ 3 | 24♓36 | 3♉50 | 0♌11 | 1♌14 | 20♊53 | 14♐13 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n22 | 6n52 | 5s 0 | 1s48 | 0s48 | 2n58 | 1s22 | 0s 5 | 2n29 | 23s 5 | 0n25 | 17s10 | 2n15 | 23n 0 | 0n29 | 3s43 | 1s19 | 2s11 | 15s43 | 19n29 | 19n36 | 19n19 | 17s29 | 5n16 |
| F 2 | 7 44 | 10 55 | 4 57 | 1 57 | 1 1 | 3 28 | 1 21 | 0n 2 | 2 27 | 23 5 | 0 25 | 17 9 | 2 15 | 23 0 | 0 29 | 3 42 | 1 19 | 2 11 | 15 43 | 19 32 | 19 37 | 19 20 | 17 29 | 5 16 |
| S 3 | 8 7 | 14 28 | 4 40 | 2 3 | 1 14 | 3 57 | 1 20 | 0 8 | 2 25 | 23 6 | 0 25 | 17 8 | 2 15 | 23 0 | 0 29 | 3 41 | 1 19 | 2 10 | 15 43 | 19 35 | 19 38 | 19 21 | 17 28 | 5 17 |
| S 4 | 8 29 | 17 22 | 4 11 | 2 7 | 1 26 | 4 27 | 1 19 | 0 14 | 2 22 | 23 6 | 0 25 | 17 7 | 2 15 | 22 59 | 0 29 | 3 41 | 1 19 | 2 10 | 15 43 | 19 37 | 19 39 | 19 22 | 17 27 | 5 17 |
| M 5 | 8 50 | 19 31 | 3 31 | 2 9 | 1 37 | 4 57 | 1 18 | 0 20 | 2 20 | 23 6 | 0 25 | 17 6 | 2 15 | 22 59 | 0 29 | 3 40 | 1 19 | 2 9 | 15 43 | 19 39 | 19 39 | 19 23 | 17 26 | 5 18 |
| T 6 | 9 12 | 20 50 | 2 42 | 2 7 | 1 47 | 5 26 | 1 17 | 0 25 | 2 17 | 23 6 | 0 25 | 17 6 | 2 15 | 22 59 | 0 29 | 3 39 | 1 19 | 2 9 | 15 42 | 19 40 | 19 40 | 19 25 | 17 25 | 5 19 |
| W 7 | 9 34 | 21 13 | 1 46 | 2 4 | 1 57 | 5 56 | 1 16 | 0 31 | 2 15 | 23 6 | 0 25 | 17 5 | 2 16 | 22 59 | 0 29 | 3 38 | 1 19 | 2 8 | 15 42 | 19 40 | 19 41 | 19 26 | 17 25 | 5 19 |
| T 8 | 9 55 | 20 38 | 0 44 | 1 58 | 2 6 | 6 25 | 1 15 | 0 36 | 2 12 | 23 6 | 0 24 | 17 4 | 2 16 | 22 59 | 0 29 | 3 38 | 1 19 | 2 8 | 15 42 | 19 40 | 19 42 | 19 27 | 17 24 | 5 20 |
| F 9 | 10 16 | 19 6 | 0n20 | 1 50 | 2 14 | 6 54 | 1 13 | 0 41 | 2 9 | 23 6 | 0 24 | 17 3 | 2 16 | 22 59 | 0 29 | 3 37 | 1 19 | 2 7 | 15 42 | 19 40 | 19 42 | 19 28 | 17 23 | 5 20 |
| S 10 | 10 38 | 16 38 | 1 24 | 1 40 | 2 22 | 7 23 | 1 12 | 0 45 | 2 7 | 23 6 | 0 24 | 17 2 | 2 16 | 22 58 | 0 29 | 3 36 | 1 19 | 2 7 | 15 42 | 19 41 | 19 43 | 19 29 | 17 22 | 5 21 |
| S 11 | 10 58 | 13 19 | 2 26 | 1 28 | 2 29 | 7 52 | 1 11 | 0 50 | 2 4 | 23 6 | 0 24 | 17 1 | 2 16 | 22 58 | 0 29 | 3 35 | 1 20 | 2 6 | 15 42 | 19 41 | 19 44 | 19 31 | 17 22 | 5 21 |
| M12 | 11 19 | 9 13 | 3 23 | 1 14 | 2 35 | 8 21 | 1 9 | 0 54 | 2 1 | 23 6 | 0 24 | 17 0 | 2 16 | 22 58 | 0 29 | 3 35 | 1 20 | 2 6 | 15 42 | 19 42 | 19 44 | 19 32 | 17 21 | 5 22 |
| T 13 | 11 40 | 4 32 | 4 10 | 0 58 | 2 40 | 8 49 | 1 8 | 0 57 | 1 59 | 23 6 | 0 24 | 16 59 | 2 16 | 22 58 | 0 29 | 3 34 | 1 20 | 2 5 | 15 42 | 19 44 | 19 45 | 19 33 | 17 20 | 5 23 |
| W14 | 12 0 | 0s32 | 4 43 | 0 40 | 2 45 | 9 17 | 1 6 | 1 1 | 1 56 | 23 6 | 0 24 | 16 58 | 2 16 | 22 58 | 0 29 | 3 33 | 1 20 | 2 5 | 15 42 | 19 46 | 19 46 | 19 34 | 17 19 | 5 23 |
| T 15 | 12 20 | 5 42 | 4 59 | 0 20 | 2 49 | 9 45 | 1 5 | 1 4 | 1 53 | 23 6 | 0 24 | 16 57 | 2 16 | 22 58 | 0 29 | 3 32 | 1 20 | 2 4 | 15 42 | 19 49 | 19 47 | 19 35 | 17 18 | 5 24 |
| F 16 | 12 40 | 10 39 | 4 56 | 0n 2 | 2 52 | 10 13 | 1 3 | 1 7 | 1 50 | 23 6 | 0 24 | 16 56 | 2 16 | 22 57 | 0 29 | 3 32 | 1 20 | 2 4 | 15 42 | 19 51 | 19 47 | 19 36 | 17 18 | 5 24 |
| S 17 | 13 0 | 15 0 | 4 33 | 0 25 | 2 55 | 10 41 | 1 1 | 1 9 | 1 48 | 23 6 | 0 24 | 16 55 | 2 16 | 22 57 | 0 29 | 3 31 | 1 20 | 2 3 | 15 42 | 19 53 | 19 48 | 19 38 | 17 17 | 5 25 |
| S 18 | 13 19 | 18 24 | 3 51 | 0 50 | 2 57 | 11 8 | 1 0 | 1 12 | 1 45 | 23 6 | 0 24 | 16 54 | 2 16 | 22 57 | 0 29 | 3 30 | 1 20 | 2 3 | 15 42 | 19 55 | 19 49 | 19 39 | 17 16 | 5 25 |
| M19 | 13 39 | 20 34 | 2 54 | 1 16 | 2 58 | 11 35 | 0 58 | 1 14 | 1 42 | 23 6 | 0 24 | 16 53 | 2 16 | 22 57 | 0 28 | 3 30 | 1 20 | 2 2 | 15 42 | 19 57 | 19 49 | 19 40 | 17 15 | 5 26 |
| T 20 | 13 58 | 21 19 | 1 47 | 1 44 | 2 59 | 12 2 | 0 56 | 1 15 | 1 39 | 23 6 | 0 24 | 16 52 | 2 16 | 22 56 | 0 28 | 3 29 | 1 20 | 2 2 | 15 42 | 19 57 | 19 50 | 19 41 | 17 14 | 5 26 |
| W21 | 14 17 | 20 41 | 0 34 | 2 13 | 2 59 | 12 29 | 0 54 | 1 17 | 1 37 | 23 6 | 0 24 | 16 51 | 2 16 | 22 56 | 0 28 | 3 28 | 1 20 | 2 2 | 15 42 | 19 57 | 19 51 | 19 42 | 17 14 | 5 27 |
| T 22 | 14 35 | 18 46 | 0s40 | 2 44 | 2 58 | 12 55 | 0 52 | 1 18 | 1 34 | 23 6 | 0 24 | 16 50 | 2 16 | 22 56 | 0 28 | 3 28 | 1 20 | 2 1 | 15 42 | 19 57 | 19 52 | 19 43 | 17 13 | 5 27 |
| F 23 | 14 54 | 15 50 | 1 49 | 3 16 | 2 57 | 13 21 | 0 51 | 1 18 | 1 31 | 23 6 | 0 24 | 16 49 | 2 16 | 22 56 | 0 28 | 3 27 | 1 20 | 2 1 | 15 42 | 19 58 | 19 52 | 19 45 | 17 12 | 5 28 |
| S 24 | 15 12 | 12 7 | 2 51 | 3 49 | 2 55 | 13 46 | 0 49 | 1 19 | 1 29 | 23 6 | 0 24 | 16 48 | 2 16 | 22 55 | 0 28 | 3 26 | 1 20 | 2 0 | 15 42 | 19 58 | 19 53 | 19 46 | 17 11 | 5 28 |
| S 25 | 15 30 | 7 54 | 3 43 | 4 24 | 2 53 | 14 12 | 0 47 | 1 19 | 1 26 | 23 6 | 0 23 | 16 47 | 2 16 | 22 55 | 0 28 | 3 26 | 1 20 | 2 0 | 15 42 | 19 59 | 19 54 | 19 47 | 17 10 | 5 29 |
| M26 | 15 48 | 3 24 | 4 23 | 5 0 | 2 50 | 14 37 | 0 45 | 1 19 | 1 23 | 23 6 | 0 23 | 16 46 | 2 16 | 22 55 | 0 28 | 3 25 | 1 20 | 1 59 | 15 42 | 20 0 | 19 54 | 19 48 | 17 10 | 5 29 |
| T 27 | 16 5 | 1n11 | 4 49 | 5 36 | 2 46 | 15 1 | 0 43 | 1 18 | 1 20 | 23 6 | 0 23 | 16 45 | 2 16 | 22 55 | 0 28 | 3 24 | 1 20 | 1 59 | 15 42 | 20 3 | 19 55 | 19 49 | 17 9 | 5 30 |
| W28 | 16 22 | 5 39 | 5 0 | 6 14 | 2 42 | 15 25 | 0 40 | 1 17 | 1 18 | 23 6 | 0 23 | 16 44 | 2 16 | 22 54 | 0 28 | 3 24 | 1 20 | 1 59 | 15 42 | 20 5 | 19 56 | 19 50 | 17 8 | 5 30 |
| T 29 | 16 39 | 9 50 | 4 58 | 6 53 | 2 37 | 15 49 | 0 38 | 1 16 | 1 15 | 23 6 | 0 23 | 16 43 | 2 16 | 22 54 | 0 28 | 3 23 | 1 20 | 1 58 | 15 42 | 20 8 | 19 56 | 19 51 | 17 7 | 5 30 |
| F 30 | 16n56 | 13n34 | 4s41 | 7n33 | 2s32 | 16n13 | 0s36 | 1n15 | 1n13 | 23s 6 | 0n23 | 16s42 | 2n16 | 22n54 | 0n28 | 3s23 | 1s20 | 1s58 | 15s42 | 20n11 | 19n57 | 19n53 | 17s 6 | 5n31 |

Julian Day Number = 2220444.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'51, Lahiri = 15°01'52 Julian Calendar 1 Apr. 1367 == Greg. Calendar 9 Apr. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## MAY 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 5 47 | 17♉49'03 | 3♊ 9 | 27♈11 | 17♉36 | 29°R37 | 27°R 5 | 24°R12 | 17♋ 6 | 24♓38 | 3♉51 | 29°R59 | 1♌11 | 20♊59 | 14°R10 | S 1 |
| S 2 | 15 9 44 | 18°46'48 | 15° 3 | 28°50 | 18°50 | 29♍36 | 27♐ 1 | 24♏ 7 | 17° 8 | 24°39 | 3°53 | 29♋50 | 1° 7 | 21° 6 | 14♐ 7 | S 2 |
| M 3 | 15 13 40 | 19°44'31 | 26°53 | 0♉33 | 20° 4 | 29°D36 | 26°56 | 24° 3 | 17°10 | 24°41 | 3°54 | 29°43 | 1° 4 | 21°13 | 14° 3 | M 3 |
| T 4 | 15 17 37 | 20°42'12 | 8♋40 | 2°17 | 21°18 | 29°37 | 26°51 | 23°58 | 17°13 | 24°42 | 3°55 | 29°38 | 1° 1 | 21°19 | 13°59 | T 4 |
| W 5 | 15 21 33 | 21°39'52 | 20°29 | 4° 3 | 22°31 | 29°38 | 26°46 | 23°54 | 17°15 | 24°44 | 3°57 | 29°36 | 0°58 | 21°26 | 13°56 | W 5 |
| T 6 | 15 25 30 | 22°37'30 | 2♌24 | 5°52 | 23°45 | 29°41 | 26°41 | 23°50 | 17°17 | 24°45 | 3°58 | 29°D36 | 0°55 | 21°33 | 13°52 | T 6 |
| F 7 | 15 29 27 | 23°35'07 | 14°30 | 7°42 | 24°59 | 29°44 | 26°36 | 23°45 | 17°20 | 24°47 | 3°59 | 29°36 | 0°51 | 21°39 | 13°48 | F 7 |
| S 8 | 15 33 23 | 24°32'43 | 26°53 | 9°35 | 26°13 | 29°47 | 26°31 | 23°41 | 17°22 | 24°48 | 4° 0 | 29°R36 | 0°48 | 21°46 | 13°45 | S 8 |
| S 9 | 15 37 20 | 25°30'16 | 9♍36 | 11°30 | 27°26 | 29°52 | 26°25 | 23°36 | 17°25 | 24°49 | 4° 2 | 29°35 | 0°45 | 21°53 | 13°41 | S 9 |
| M10 | 15 41 16 | 26°27'49 | 22°45 | 13°27 | 28°40 | 29°57 | 26°20 | 23°32 | 17°27 | 24°51 | 4° 3 | 29°33 | 0°42 | 21°59 | 13°37 | M10 |
| T 11 | 15 45 13 | 27°25'20 | 6♎22 | 15°26 | 29°54 | 0♎ 3 | 26°14 | 23°27 | 17°30 | 24°52 | 4° 4 | 29°28 | 0°39 | 22° 6 | 13°33 | T 11 |
| W12 | 15 49 9 | 28°22'49 | 20°29 | 17°27 | 1♊ 8 | 0° 9 | 26° 8 | 23°23 | 17°33 | 24°53 | 4° 6 | 29°20 | 0°36 | 22°13 | 13°29 | W12 |
| T 13 | 15 53 6 | 29°20'17 | 5♏ 3 | 19°29 | 2°21 | 0°17 | 26° 2 | 23°19 | 17°35 | 24°54 | 4° 7 | 29°12 | 0°32 | 22°19 | 13°25 | T 13 |
| F 14 | 15 57 2 | 0♊17'44 | 19°59 | 21°34 | 3°35 | 0°25 | 25°56 | 23°14 | 17°38 | 24°56 | 4° 8 | 29° 3 | 0°29 | 22°26 | 13°22 | F 14 |
| S 15 | 16 0 59 | 1°15'10 | 5♐ 8 | 23°40 | 4°49 | 0°33 | 25°50 | 23°10 | 17°41 | 24°57 | 4° 9 | 28°55 | 0°26 | 22°33 | 13°18 | S 15 |
| S 16 | 16 4 55 | 2°12'36 | 20°19 | 25°48 | 6° 3 | 0°43 | 25°44 | 23° 5 | 17°44 | 24°58 | 4°11 | 28°48 | 0°23 | 22°39 | 13°14 | S 16 |
| M17 | 16 8 52 | 3°10'00 | 5♑24 | 27°57 | 7°16 | 0°52 | 25°37 | 23° 1 | 17°47 | 24°59 | 4°12 | 28°44 | 0°20 | 22°46 | 13°10 | M17 |
| T 18 | 16 12 49 | 4° 7'23 | 20°12 | 0♊ 7 | 8°30 | 1° 3 | 25°31 | 22°57 | 17°49 | 25° 0 | 4°13 | 28°42 | 0°17 | 22°53 | 13° 6 | T 18 |
| W19 | 16 16 45 | 5° 4'46 | 4♒40 | 2°18 | 9°44 | 1°14 | 25°24 | 22°52 | 17°52 | 25° 1 | 4°14 | 28°D42 | 0°13 | 22°59 | 13° 1 | W19 |
| T 20 | 16 20 42 | 6° 2'08 | 18°44 | 4°29 | 10°57 | 1°26 | 25°17 | 22°48 | 17°55 | 25° 2 | 4°15 | 28°43 | 0°10 | 23° 6 | 12°57 | T 20 |
| F 21 | 16 24 38 | 6°59'30 | 2♓23 | 6°41 | 12°11 | 1°38 | 25°10 | 22°44 | 17°58 | 25° 3 | 4°17 | 28°R44 | 0° 7 | 23°13 | 12°53 | F 21 |
| S 22 | 16 28 35 | 7°56'51 | 15°41 | 8°53 | 13°25 | 1°51 | 25° 3 | 22°40 | 18° 1 | 25° 4 | 4°18 | 28°43 | 0° 4 | 23°19 | 12°49 | S 22 |
| S 23 | 16 32 31 | 8°54'11 | 28°38 | 11° 5 | 14°38 | 2° 5 | 24°56 | 22°35 | 18° 4 | 25° 5 | 4°19 | 28°42 | 0° 1 | 23°26 | 12°45 | S 23 |
| M24 | 16 36 28 | 9°51'31 | 11♈19 | 13°17 | 15°52 | 2°19 | 24°49 | 22°31 | 18° 7 | 25° 6 | 4°20 | 28°38 | 29♋57 | 23°33 | 12°41 | M24 |
| T 25 | 16 40 25 | 10°48'50 | 23°45 | 15°27 | 17° 6 | 2°33 | 24°42 | 22°27 | 18°10 | 25° 7 | 4°21 | 28°32 | 29°54 | 23°39 | 12°37 | T 25 |
| W26 | 16 44 21 | 11°46'09 | 6♉ 1 | 17°37 | 18°20 | 2°49 | 24°35 | 22°23 | 18°13 | 25° 8 | 4°22 | 28°24 | 29°51 | 23°46 | 12°33 | W26 |
| T 27 | 16 48 18 | 12°43'27 | 18° 7 | 19°45 | 19°33 | 3° 4 | 24°28 | 22°19 | 18°17 | 25° 9 | 4°23 | 28°16 | 29°48 | 23°53 | 12°29 | T 27 |
| F 28 | 16 52 14 | 13°40'45 | 0♊ 6 | 21°53 | 20°47 | 3°21 | 24°20 | 22°15 | 18°20 | 25° 9 | 4°24 | 28° 8 | 29°45 | 23°59 | 12°25 | F 28 |
| S 29 | 16 56 11 | 14°38'02 | 12° 0 | 23°58 | 22° 1 | 3°38 | 24°13 | 22°11 | 18°23 | 25°10 | 4°26 | 28° 0 | 29°42 | 24° 6 | 12°21 | S 29 |
| S 30 | 17 0 7 | 15°35'19 | 23°49 | 26° 2 | 23°14 | 3°55 | 24° 5 | 22° 7 | 18°26 | 25°11 | 4°27 | 27°54 | 29°38 | 24°13 | 12°16 | S 30 |
| M31 | 17 4 4 | 16♊32'35 | 5♋37 | 28♊ 4 | 24♊28 | 4♎13 | 23♐58 | 22♏ 3 | 18♋29 | 25♓11 | 4♉28 | 27♋49 | 29♋35 | 24♊19 | 12♐12 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n12 | 16n43 | 4s13 | 8n14 | 2s26 | 16n36 | 0s34 | 1n13 | 1n10 | 23s 6 | 0n23 | 16s41 | 2n16 | 22n53 | 0n28 | 3s22 | 1s20 | 1s57 | 15s42 | 20n13 | 19n58 | 19n54 | 17s 6 | 5n31 |
| S 2 | 17 28 | 19 9 | 3 33 | 8 55 | 2 20 | 16 58 | 0 32 | 1 11 | 1 7 | 23 6 | 0 23 | 16 40 | 2 16 | 22 53 | 0 28 | 3 21 | 1 20 | 1 57 | 15 42 | 20 15 | 19 59 | 19 55 | 17 5 | 5 32 |
| M 3 | 17 44 | 20 44 | 2 45 | 9 37 | 2 13 | 17 21 | 0 30 | 1 9 | 1 5 | 23 6 | 0 23 | 16 39 | 2 16 | 22 53 | 0 28 | 3 21 | 1 20 | 1 57 | 15 42 | 20 17 | 19 59 | 19 56 | 17 4 | 5 32 |
| T 4 | 17 59 | 21 25 | 1 49 | 10 20 | 2 6 | 17 42 | 0 27 | 1 6 | 1 2 | 23 6 | 0 23 | 16 38 | 2 16 | 22 53 | 0 28 | 3 20 | 1 20 | 1 56 | 15 42 | 20 18 | 20 0 | 19 57 | 17 3 | 5 32 |
| W 5 | 18 15 | 21 9 | 0 48 | 11 3 | 1 58 | 18 4 | 0 25 | 1 4 | 1 0 | 23 6 | 0 23 | 16 37 | 2 16 | 22 52 | 0 28 | 3 20 | 1 20 | 1 56 | 15 42 | 20 18 | 20 1 | 19 58 | 17 2 | 5 33 |
| T 6 | 18 29 | 19 56 | 0n15 | 11 47 | 1 50 | 18 24 | 0 23 | 1 0 | 0 57 | 23 6 | 0 23 | 16 36 | 2 16 | 22 52 | 0 28 | 3 19 | 1 20 | 1 56 | 15 43 | 20 18 | 20 1 | 19 59 | 17 2 | 5 33 |
| F 7 | 18 44 | 17 47 | 1 19 | 12 32 | 1 42 | 18 45 | 0 21 | 0 57 | 0 55 | 23 6 | 0 23 | 16 35 | 2 16 | 22 52 | 0 28 | 3 19 | 1 21 | 1 55 | 15 43 | 20 18 | 20 2 | 20 0 | 17 1 | 5 34 |
| S 8 | 18 58 | 14 47 | 2 20 | 13 16 | 1 33 | 19 4 | 0 18 | 0 53 | 0 53 | 23 6 | 0 22 | 16 34 | 2 16 | 22 51 | 0 28 | 3 18 | 1 21 | 1 55 | 15 43 | 20 18 | 20 3 | 20 1 | 17 0 | 5 34 |
| S 9 | 19 12 | 11 2 | 3 17 | 14 1 | 1 23 | 19 24 | 0 16 | 0 49 | 0 50 | 23 6 | 0 22 | 16 32 | 2 16 | 22 51 | 0 28 | 3 18 | 1 21 | 1 55 | 15 43 | 20 18 | 20 3 | 20 2 | 16 59 | 5 34 |
| M10 | 19 26 | 6 38 | 4 5 | 14 46 | 1 13 | 19 43 | 0 14 | 0 45 | 0 48 | 23 6 | 0 22 | 16 31 | 2 16 | 22 51 | 0 28 | 3 17 | 1 21 | 1 54 | 15 43 | 20 19 | 20 4 | 20 4 | 16 58 | 5 35 |
| T 11 | 19 39 | 1 45 | 4 41 | 15 30 | 1 3 | 20 1 | 0 11 | 0 41 | 0 46 | 23 6 | 0 22 | 16 30 | 2 16 | 22 50 | 0 28 | 3 17 | 1 21 | 1 54 | 15 43 | 20 20 | 20 5 | 20 5 | 16 58 | 5 35 |
| W12 | 19 52 | 3s23 | 5 1 | 16 15 | 0 53 | 20 19 | 0 9 | 0 36 | 0 43 | 23 6 | 0 22 | 16 29 | 2 16 | 22 50 | 0 28 | 3 16 | 1 21 | 1 54 | 15 43 | 20 21 | 20 5 | 20 6 | 16 57 | 5 35 |
| T 13 | 20 5 | 8 29 | 5 3 | 16 59 | 0 43 | 20 36 | 0 6 | 0 31 | 0 41 | 23 6 | 0 22 | 16 28 | 2 16 | 22 49 | 0 28 | 3 16 | 1 21 | 1 53 | 15 43 | 20 23 | 20 6 | 20 7 | 16 56 | 5 36 |
| F 14 | 20 17 | 13 13 | 4 45 | 17 42 | 0 32 | 20 52 | 0 4 | 0 26 | 0 39 | 23 6 | 0 22 | 16 27 | 2 16 | 22 49 | 0 28 | 3 16 | 1 21 | 1 53 | 15 43 | 20 25 | 20 7 | 20 8 | 16 55 | 5 36 |
| S 15 | 20 29 | 17 11 | 4 7 | 18 24 | 0 21 | 21 9 | 0 2 | 0 20 | 0 37 | 23 5 | 0 22 | 16 26 | 2 16 | 22 49 | 0 28 | 3 15 | 1 21 | 1 53 | 15 43 | 20 27 | 20 8 | 20 9 | 16 55 | 5 36 |
| S 16 | 20 40 | 20 0 | 3 11 | 19 6 | 0 11 | 21 24 | 0n 1 | 0 14 | 0 34 | 23 5 | 0 22 | 16 25 | 2 16 | 22 48 | 0 28 | 3 15 | 1 21 | 1 53 | 15 44 | 20 28 | 20 8 | 20 10 | 16 54 | 5 36 |
| M17 | 20 52 | 21 23 | 2 2 | 19 46 | 0 0 | 21 39 | 0 3 | 0 9 | 0 32 | 23 5 | 0 22 | 16 24 | 2 15 | 22 48 | 0 28 | 3 14 | 1 21 | 1 52 | 15 44 | 20 29 | 20 9 | 20 11 | 16 53 | 5 37 |
| T 18 | 21 3 | 21 15 | 0 45 | 20 25 | 0n11 | 21 53 | 0 5 | 0 2 | 0 30 | 23 5 | 0 21 | 16 23 | 2 15 | 22 48 | 0 28 | 3 14 | 1 21 | 1 52 | 15 44 | 20 29 | 20 10 | 20 12 | 16 52 | 5 37 |
| W19 | 21 13 | 19 41 | 0s32 | 21 2 | 0 21 | 22 7 | 0 8 | 0s 4 | 0 28 | 23 5 | 0 21 | 16 22 | 2 15 | 22 47 | 0 28 | 3 14 | 1 21 | 1 52 | 15 44 | 20 29 | 20 10 | 20 13 | 16 52 | 5 37 |
| T 20 | 21 23 | 16 56 | 1 46 | 21 37 | 0 31 | 22 20 | 0 10 | 0 11 | 0 26 | 23 5 | 0 21 | 16 21 | 2 15 | 22 47 | 0 28 | 3 13 | 1 21 | 1 52 | 15 44 | 20 29 | 20 11 | 20 14 | 16 51 | 5 37 |
| F 21 | 21 33 | 13 19 | 2 51 | 22 11 | 0 41 | 22 32 | 0 13 | 0 17 | 0 24 | 23 5 | 0 21 | 16 20 | 2 15 | 22 46 | 0 28 | 3 13 | 1 21 | 1 51 | 15 44 | 20 29 | 20 12 | 20 15 | 16 50 | 5 38 |
| S 22 | 21 42 | 9 8 | 3 45 | 22 41 | 0 51 | 22 44 | 0 15 | 0 24 | 0 22 | 23 5 | 0 21 | 16 19 | 2 15 | 22 46 | 0 28 | 3 12 | 1 21 | 1 51 | 15 44 | 20 29 | 20 12 | 20 16 | 16 50 | 5 38 |
| S 23 | 21 52 | 4 37 | 4 27 | 23 10 | 1 0 | 22 55 | 0 17 | 0 32 | 0 20 | 23 4 | 0 21 | 16 18 | 2 15 | 22 46 | 0 28 | 3 12 | 1 21 | 1 51 | 15 45 | 20 29 | 20 13 | 20 17 | 16 49 | 5 38 |
| M24 | 22 0 | 0 1 | 4 54 | 23 36 | 1 8 | 23 6 | 0 20 | 0 39 | 0 18 | 23 4 | 0 21 | 16 18 | 2 15 | 22 45 | 0 28 | 3 12 | 1 21 | 1 51 | 15 45 | 20 30 | 20 14 | 20 18 | 16 48 | 5 38 |
| T 25 | 22 9 | 4n30 | 5 7 | 23 59 | 1 16 | 23 15 | 0 22 | 0 47 | 0 16 | 23 4 | 0 21 | 16 17 | 2 15 | 22 45 | 0 28 | 3 12 | 1 21 | 1 51 | 15 45 | 20 31 | 20 14 | 20 19 | 16 47 | 5 38 |
| W26 | 22 16 | 8 46 | 5 5 | 24 20 | 1 24 | 23 25 | 0 24 | 0 54 | 0 14 | 23 4 | 0 21 | 16 16 | 2 14 | 22 44 | 0 28 | 3 11 | 1 21 | 1 50 | 15 45 | 20 33 | 20 15 | 20 20 | 16 47 | 5 39 |
| T 27 | 22 24 | 12 39 | 4 50 | 24 38 | 1 31 | 23 33 | 0 27 | 1 2 | 0 12 | 23 4 | 0 20 | 16 15 | 2 14 | 22 44 | 0 28 | 3 11 | 1 22 | 1 50 | 15 45 | 20 35 | 20 16 | 20 21 | 16 46 | 5 39 |
| F 28 | 22 31 | 15 59 | 4 22 | 24 53 | 1 37 | 23 41 | 0 29 | 1 11 | 0 10 | 23 4 | 0 20 | 16 14 | 2 14 | 22 43 | 0 28 | 3 11 | 1 22 | 1 50 | 15 45 | 20 36 | 20 16 | 20 22 | 16 45 | 5 39 |
| S 29 | 22 38 | 18 38 | 3 42 | 25 5 | 1 42 | 23 48 | 0 31 | 1 19 | 0 8 | 23 3 | 0 20 | 16 13 | 2 14 | 22 43 | 0 28 | 3 10 | 1 22 | 1 50 | 15 46 | 20 38 | 20 17 | 20 23 | 16 45 | 5 39 |
| S 30 | 22 44 | 20 29 | 2 54 | 25 14 | 1 47 | 23 54 | 0 33 | 1 28 | 0 7 | 23 3 | 0 20 | 16 12 | 2 14 | 22 43 | 0 28 | 3 10 | 1 22 | 1 50 | 15 46 | 20 39 | 20 18 | 20 24 | 16 44 | 5 39 |
| M31 | 22n50 | 21n27 | 1s57 | 25n21 | 1n51 | 24n 0 | 0n36 | 1s36 | 0n 5 | 23s 3 | 0n20 | 16s11 | 2n14 | 22n42 | 0n28 | 3s10 | 1s22 | 1s49 | 15s46 | 20n40 | 20n18 | 20n25 | 16s43 | 5n39 |

Julian Day Number = 2220474.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°54'55, Lahiri = 15°01'56 Julian Calendar 1 May 1367 == Greg. Calendar 9 May 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## JUNE 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 8 0 | 17♊29'51 | 17♋26 | 0♋ 4 | 25♊42 | 4♎31 | 23°R50 | 22°R 0 | 18♋33 | 25♓12 | 4♉29 | 27°R47 | 29♋32 | 24♊26 | 12°R 8 | T 1 |
| W 2 | 17 11 57 | 18°27'06 | 29°17 | 2° 2 | 26°55 | 4°50 | 23♐43 | 21♏56 | 18°36 | 25°13 | 4°30 | 27°D47 | 29°29 | 24°33 | 12♐ 4 | W 2 |
| T 3 | 17 15 54 | 19°24'20 | 11♌16 | 3°58 | 28° 9 | 5° 9 | 23°35 | 21°52 | 18°39 | 25°13 | 4°31 | 27♋47 | 29°26 | 24°39 | 12° 0 | T 3 |
| F 4 | 17 19 50 | 20°21'33 | 23°24 | 5°52 | 29°23 | 5°29 | 23°27 | 21°48 | 18°42 | 25°14 | 4°32 | 27°49 | 29°23 | 24°46 | 11°56 | F 4 |
| S 5 | 17 23 47 | 21°18'46 | 5♍47 | 7°43 | 0♋36 | 5°49 | 23°20 | 21°45 | 18°46 | 25°14 | 4°33 | 27°50 | 29°19 | 24°53 | 11°52 | S 5 |
| S 6 | 17 27 43 | 22°15'58 | 18°29 | 9°33 | 1°50 | 6°10 | 23°12 | 21°41 | 18°49 | 25°15 | 4°34 | 27°R51 | 29°16 | 24°59 | 11°48 | S 6 |
| M 7 | 17 31 40 | 23°13'10 | 1♎35 | 11°20 | 3° 3 | 6°31 | 23° 4 | 21°38 | 18°53 | 25°15 | 4°35 | 27°51 | 29°13 | 25° 6 | 11°44 | M 7 |
| T 8 | 17 35 36 | 24°10'21 | 15° 6 | 13° 5 | 4°17 | 6°52 | 22°57 | 21°35 | 18°56 | 25°16 | 4°36 | 27°49 | 29°10 | 25°13 | 11°40 | T 8 |
| W 9 | 17 39 33 | 25° 7'32 | 29° 6 | 14°48 | 5°31 | 7°14 | 22°49 | 21°31 | 18°59 | 25°16 | 4°37 | 27°46 | 29° 7 | 25°19 | 11°36 | W 9 |
| T 10 | 17 43 29 | 26° 4'42 | 13♏33 | 16°28 | 6°44 | 7°37 | 22°41 | 21°28 | 19° 3 | 25°17 | 4°38 | 27°42 | 29° 3 | 25°26 | 11°32 | T 10 |
| F 11 | 17 47 26 | 27° 1'51 | 28°23 | 18° 6 | 7°58 | 7°59 | 22°34 | 21°25 | 19° 6 | 25°17 | 4°39 | 27°38 | 29° 0 | 25°33 | 11°29 | F 11 |
| S 12 | 17 51 23 | 27°59'01 | 13♐30 | 19°42 | 9°12 | 8°22 | 22°26 | 21°22 | 19°10 | 25°17 | 4°39 | 27°34 | 28°57 | 25°39 | 11°25 | S 12 |
| S 13 | 17 55 19 | 28°56'10 | 28°44 | 21°16 | 10°25 | 8°46 | 22°18 | 21°19 | 19°13 | 25°17 | 4°40 | 27°31 | 28°54 | 25°46 | 11°21 | S 13 |
| M14 | 17 59 16 | 29°53'19 | 13♑56 | 22°47 | 11°39 | 9°10 | 22°11 | 21°16 | 19°17 | 25°18 | 4°41 | 27°29 | 28°51 | 25°53 | 11°17 | M14 |
| T 15 | 18 3 12 | 0♋50'28 | 28°55 | 24°16 | 12°52 | 9°34 | 22° 3 | 21°13 | 19°20 | 25°18 | 4°42 | 27°D29 | 28°48 | 25°59 | 11°13 | T 15 |
| W16 | 18 7 9 | 1°47'37 | 13♒35 | 25°42 | 14° 6 | 9°59 | 21°56 | 21°10 | 19°24 | 25°18 | 4°43 | 27°29 | 28°44 | 26° 6 | 11°10 | W16 |
| T 17 | 18 11 5 | 2°44'46 | 27°51 | 27° 7 | 15°20 | 10°24 | 21°48 | 21° 7 | 19°27 | 25°18 | 4°44 | 27°31 | 28°41 | 26°13 | 11° 6 | T 17 |
| F 18 | 18 15 2 | 3°41'56 | 11♓40 | 28°28 | 16°33 | 10°49 | 21°41 | 21° 4 | 19°31 | 25°18 | 4°44 | 27°32 | 28°38 | 26°20 | 11° 3 | F 18 |
| S 19 | 18 18 58 | 4°39'06 | 25° 3 | 29°48 | 17°47 | 11°15 | 21°34 | 21° 2 | 19°34 | 25°18 | 4°45 | 27°33 | 28°35 | 26°26 | 10°59 | S 19 |
| S 20 | 18 22 55 | 5°36'16 | 8♈ 2 | 1♌ 5 | 19° 0 | 11°41 | 21°26 | 20°59 | 19°38 | 25°18 | 4°46 | 27°R33 | 28°32 | 26°33 | 10°56 | S 20 |
| M21 | 18 26 52 | 6°33'26 | 20°41 | 2°19 | 20°14 | 12° 7 | 21°19 | 20°57 | 19°42 | 25°R18 | 4°47 | 27°33 | 28°29 | 26°40 | 10°52 | M21 |
| T 22 | 18 30 48 | 7°30'38 | 3♉ 3 | 3°31 | 21°27 | 12°34 | 21°12 | 20°54 | 19°45 | 25°18 | 4°47 | 27°31 | 28°25 | 26°46 | 10°49 | T 22 |
| W23 | 18 34 45 | 8°27'49 | 15°12 | 4°40 | 22°41 | 13° 1 | 21° 5 | 20°52 | 19°49 | 25°18 | 4°48 | 27°29 | 28°22 | 26°53 | 10°45 | W23 |
| T 24 | 18 38 41 | 9°25'01 | 27°11 | 5°47 | 23°55 | 13°28 | 20°58 | 20°50 | 19°52 | 25°18 | 4°49 | 27°26 | 28°19 | 27° 0 | 10°42 | T 24 |
| F 25 | 18 42 38 | 10°22'13 | 9♊ 4 | 6°50 | 25° 8 | 13°56 | 20°51 | 20°48 | 19°56 | 25°18 | 4°49 | 27°23 | 28°16 | 27° 6 | 10°39 | F 25 |
| S 26 | 18 46 34 | 11°19'26 | 20°53 | 7°51 | 26°22 | 14°23 | 20°44 | 20°46 | 20° 0 | 25°18 | 4°50 | 27°21 | 28°13 | 27°13 | 10°36 | S 26 |
| S 27 | 18 50 31 | 12°16'40 | 2♋41 | 8°49 | 27°35 | 14°52 | 20°38 | 20°44 | 20° 3 | 25°18 | 4°51 | 27°19 | 28° 9 | 27°20 | 10°32 | S 27 |
| M28 | 18 54 27 | 13°13'53 | 14°31 | 9°43 | 28°49 | 15°20 | 20°31 | 20°42 | 20° 7 | 25°18 | 4°51 | 27°18 | 28° 6 | 27°26 | 10°29 | M28 |
| T 29 | 18 58 24 | 14°11'07 | 26°24 | 10°35 | 0♌ 3 | 15°49 | 20°25 | 20°40 | 20°11 | 25°17 | 4°52 | 27°D18 | 28° 3 | 27°33 | 10°26 | T 29 |
| W30 | 19 2 21 | 15♋ 8'22 | 8♌22 | 11♌23 | 1♌16 | 16♎18 | 20♐18 | 20♏38 | 20♋14 | 25♓17 | 4♉53 | 27♋18 | 28♋ 0 | 27♊40 | 10♐23 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 21n27 | 0s56 | 25n25 | 1n54 | 24n 5 | 0n38 | 1s45 | 0n 3 | 23s 3 | 0n20 | 16s11 | 2n14 | 22n42 | 0n28 | 3s10 | 1s22 | 1s49 | 15s46 | 20n40 | 20n19 | 20n26 | 16s43 | 5n39 |
| W 2 | 23 1 | 20 30 | 0n 8 | 25 27 | 1 56 | 24 9 | 0 40 | 1 54 | 0 1 | 23 3 | 0 20 | 16 10 | 2 13 | 22 41 | 0 28 | 3 10 | 1 22 | 1 49 | 15 46 | 20 41 | 20 20 | 20 27 | 16 42 | 5 40 |
| T 3 | 23 6 | 18 37 | 1 13 | 25 26 | 1 58 | 24 13 | 0 42 | 2 3 | 0s 0 | 23 2 | 0 20 | 16 9 | 2 13 | 22 41 | 0 28 | 3 9 | 1 22 | 1 49 | 15 47 | 20 40 | 20 20 | 20 28 | 16 42 | 5 40 |
| F 4 | 23 10 | 15 53 | 2 15 | 25 22 | 1 59 | 24 16 | 0 44 | 2 13 | 0 2 | 23 2 | 0 19 | 16 8 | 2 13 | 22 40 | 0 28 | 3 9 | 1 22 | 1 49 | 15 47 | 20 40 | 20 21 | 20 29 | 16 41 | 5 40 |
| S 5 | 23 14 | 12 24 | 3 13 | 25 17 | 2 0 | 24 18 | 0 47 | 2 22 | 0 4 | 23 2 | 0 19 | 16 7 | 2 13 | 22 40 | 0 28 | 3 9 | 1 22 | 1 49 | 15 47 | 20 40 | 20 22 | 20 30 | 16 40 | 5 40 |
| S 6 | 23 18 | 8 17 | 4 2 | 25 9 | 1 59 | 24 19 | 0 49 | 2 32 | 0 5 | 23 2 | 0 19 | 16 7 | 2 13 | 22 39 | 0 28 | 3 9 | 1 22 | 1 49 | 15 47 | 20 40 | 20 22 | 20 31 | 16 40 | 5 40 |
| M 7 | 23 21 | 3 40 | 4 41 | 25 0 | 1 58 | 24 20 | 0 51 | 2 42 | 0 7 | 23 1 | 0 19 | 16 6 | 2 13 | 22 39 | 0 28 | 3 9 | 1 22 | 1 49 | 15 47 | 20 40 | 20 23 | 20 32 | 16 39 | 5 40 |
| T 8 | 23 23 | 1s17 | 5 5 | 24 48 | 1 56 | 24 20 | 0 53 | 2 52 | 0 8 | 23 1 | 0 19 | 16 5 | 2 12 | 22 38 | 0 28 | 3 9 | 1 22 | 1 48 | 15 48 | 20 40 | 20 24 | 20 33 | 16 39 | 5 40 |
| W 9 | 23 26 | 6 19 | 5 13 | 24 35 | 1 54 | 24 19 | 0 55 | 3 2 | 0 10 | 23 1 | 0 19 | 16 5 | 2 12 | 22 38 | 0 28 | 3 9 | 1 22 | 1 48 | 15 48 | 20 41 | 20 24 | 20 34 | 16 38 | 5 40 |
| T 10 | 23 28 | 11 10 | 5 1 | 24 20 | 1 51 | 24 17 | 0 57 | 3 12 | 0 12 | 23 1 | 0 19 | 16 4 | 2 12 | 22 37 | 0 28 | 3 8 | 1 22 | 1 48 | 15 48 | 20 41 | 20 25 | 20 35 | 16 38 | 5 40 |
| F 11 | 23 29 | 15 29 | 4 29 | 24 3 | 1 47 | 24 15 | 0 58 | 3 23 | 0 13 | 23 0 | 0 18 | 16 3 | 2 12 | 22 37 | 0 28 | 3 8 | 1 22 | 1 48 | 15 48 | 20 42 | 20 26 | 20 36 | 16 37 | 5 40 |
| S 12 | 23 30 | 18 53 | 3 38 | 23 46 | 1 43 | 24 12 | 1 0 | 3 33 | 0 15 | 23 0 | 0 18 | 16 3 | 2 12 | 22 36 | 0 28 | 3 8 | 1 22 | 1 48 | 15 49 | 20 43 | 20 26 | 20 37 | 16 37 | 5 40 |
| S 13 | 23 31 | 21 0 | 2 31 | 23 26 | 1 38 | 24 9 | 1 2 | 3 44 | 0 16 | 23 0 | 0 18 | 16 2 | 2 11 | 22 36 | 0 28 | 3 8 | 1 22 | 1 48 | 15 49 | 20 44 | 20 27 | 20 38 | 16 36 | 5 40 |
| M14 | 23 31 | 21 34 | 1 14 | 23 6 | 1 32 | 24 4 | 1 4 | 3 55 | 0 17 | 22 59 | 0 18 | 16 1 | 2 11 | 22 35 | 0 28 | 3 8 | 1 22 | 1 48 | 15 49 | 20 44 | 20 28 | 20 39 | 16 36 | 5 40 |
| T 15 | 23 31 | 20 34 | 0s 8 | 22 45 | 1 26 | 23 59 | 1 6 | 4 6 | 0 19 | 22 59 | 0 18 | 16 1 | 2 11 | 22 35 | 0 28 | 3 8 | 1 23 | 1 48 | 15 49 | 20 44 | 20 28 | 20 40 | 16 35 | 5 40 |
| W16 | 23 30 | 18 12 | 1 28 | 22 22 | 1 19 | 23 53 | 1 7 | 4 17 | 0 20 | 22 59 | 0 18 | 16 0 | 2 11 | 22 34 | 0 28 | 3 8 | 1 23 | 1 48 | 15 50 | 20 44 | 20 29 | 20 41 | 16 35 | 5 40 |
| T 17 | 23 29 | 14 45 | 2 39 | 21 59 | 1 12 | 23 47 | 1 9 | 4 28 | 0 22 | 22 58 | 0 18 | 16 0 | 2 11 | 22 34 | 0 28 | 3 8 | 1 23 | 1 48 | 15 50 | 20 44 | 20 30 | 20 42 | 16 34 | 5 40 |
| F 18 | 23 28 | 10 36 | 3 40 | 21 35 | 1 4 | 23 39 | 1 11 | 4 39 | 0 23 | 22 58 | 0 17 | 15 59 | 2 10 | 22 33 | 0 28 | 3 8 | 1 23 | 1 48 | 15 50 | 20 43 | 20 30 | 20 43 | 16 34 | 5 40 |
| S 19 | 23 26 | 6 2 | 4 26 | 21 10 | 0 56 | 23 32 | 1 12 | 4 50 | 0 24 | 22 58 | 0 17 | 15 59 | 2 10 | 22 33 | 0 28 | 3 8 | 1 23 | 1 48 | 15 50 | 20 43 | 20 31 | 20 44 | 16 34 | 5 40 |
| S 20 | 23 24 | 1 21 | 4 57 | 20 45 | 0 47 | 23 23 | 1 14 | 5 2 | 0 26 | 22 58 | 0 17 | 15 58 | 2 10 | 22 32 | 0 28 | 3 8 | 1 23 | 1 48 | 15 51 | 20 43 | 20 32 | 20 45 | 16 33 | 5 40 |
| M21 | 23 21 | 3n16 | 5 13 | 20 20 | 0 38 | 23 14 | 1 15 | 5 13 | 0 27 | 22 57 | 0 17 | 15 58 | 2 10 | 22 32 | 0 28 | 3 8 | 1 23 | 1 48 | 15 51 | 20 43 | 20 32 | 20 46 | 16 33 | 5 39 |
| T 22 | 23 18 | 7 39 | 5 14 | 19 54 | 0 28 | 23 4 | 1 16 | 5 25 | 0 28 | 22 57 | 0 17 | 15 58 | 2 10 | 22 31 | 0 28 | 3 8 | 1 23 | 1 48 | 15 51 | 20 44 | 20 33 | 20 47 | 16 32 | 5 39 |
| W23 | 23 15 | 11 39 | 5 0 | 19 27 | 0 18 | 22 53 | 1 18 | 5 37 | 0 30 | 22 57 | 0 17 | 15 57 | 2 9 | 22 31 | 0 28 | 3 8 | 1 23 | 1 48 | 15 51 | 20 44 | 20 33 | 20 47 | 16 32 | 5 39 |
| T 24 | 23 11 | 15 9 | 4 34 | 19 1 | 0 8 | 22 42 | 1 19 | 5 48 | 0 31 | 22 56 | 0 16 | 15 57 | 2 9 | 22 30 | 0 28 | 3 8 | 1 23 | 1 48 | 15 52 | 20 45 | 20 34 | 20 48 | 16 32 | 5 39 |
| F 25 | 23 7 | 18 0 | 3 56 | 18 35 | 0s 3 | 22 30 | 1 20 | 6 0 | 0 32 | 22 56 | 0 16 | 15 56 | 2 9 | 22 30 | 0 28 | 3 9 | 1 23 | 1 48 | 15 52 | 20 45 | 20 35 | 20 49 | 16 31 | 5 39 |
| S 26 | 23 2 | 20 5 | 3 8 | 18 8 | 0 14 | 22 17 | 1 21 | 6 12 | 0 33 | 22 56 | 0 16 | 15 56 | 2 9 | 22 29 | 0 28 | 3 9 | 1 23 | 1 48 | 15 52 | 20 46 | 20 35 | 20 50 | 16 31 | 5 39 |
| S 27 | 22 57 | 21 18 | 2 12 | 17 42 | 0 26 | 22 4 | 1 23 | 6 24 | 0 35 | 22 55 | 0 16 | 15 56 | 2 8 | 22 29 | 0 28 | 3 9 | 1 23 | 1 48 | 15 53 | 20 46 | 20 36 | 20 51 | 16 31 | 5 39 |
| M28 | 22 52 | 21 34 | 1 10 | 17 16 | 0 38 | 21 50 | 1 24 | 6 37 | 0 36 | 22 55 | 0 16 | 15 56 | 2 8 | 22 28 | 0 28 | 3 9 | 1 23 | 1 48 | 15 53 | 20 46 | 20 37 | 20 52 | 16 31 | 5 39 |
| T 29 | 22 46 | 20 52 | 0 5 | 16 50 | 0 50 | 21 35 | 1 25 | 6 49 | 0 37 | 22 55 | 0 16 | 15 55 | 2 8 | 22 28 | 0 28 | 3 9 | 1 23 | 1 48 | 15 53 | 20 46 | 20 37 | 20 53 | 16 30 | 5 38 |
| W30 | 22n39 | 19n13 | 1n 1 | 16n25 | 1s 3 | 21n20 | 1n26 | 7s 1 | 0s38 | 22s54 | 0n15 | 15s55 | 2n 8 | 22n27 | 0n28 | 3s 9 | 1s23 | 1s49 | 15s53 | 20n46 | 20n38 | 20n54 | 16s30 | 5n38 |

Julian Day Number = 2220505.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'00, Lahiri = 15°02'00 Julian Calendar 1 June 1367 == Greg. Calendar 9 June 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## JULY 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 6 17 | 16♋ 5'36 | 20♌29 | 12♌ 7 | 2♌30 | 16♎48 | 20°R12 | 20°R37 | 20♋18 | 25°R17 | 4♉53 | 27♋19 | 27♋57 | 27♊46 | 10°R20 | T 1 |
| F 2 | 19 10 14 | 17° 2'51 | 2♍46 | 12°48 | 3°43 | 17°17 | 20♐ 6 | 20♏35 | 20°22 | 25♓16 | 4°54 | 27°19 | 27°54 | 27°53 | 10♐18 | F 2 |
| S 3 | 19 14 10 | 18° 0'07 | 15°17 | 13°25 | 4°57 | 17°47 | 20° 0 | 20°34 | 20°25 | 25°16 | 4°54 | 27°20 | 27°50 | 27°59 | 10°15 | S 3 |
| S 4 | 19 18 7 | 18°57'22 | 28° 4 | 13°58 | 6°10 | 18°17 | 19°54 | 20°33 | 20°29 | 25°16 | 4°55 | 27°21 | 27°47 | 28° 6 | 10°12 | S 4 |
| M 5 | 19 22 3 | 19°54'38 | 11♎10 | 14°27 | 7°24 | 18°48 | 19°48 | 20°31 | 20°33 | 25°15 | 4°55 | 27°22 | 27°44 | 28°13 | 10°10 | M 5 |
| T 6 | 19 26 0 | 20°51'54 | 24°38 | 14°52 | 8°37 | 19°19 | 19°43 | 20°30 | 20°36 | 25°15 | 4°56 | 27°R22 | 27°41 | 28°19 | 10° 7 | T 6 |
| W 7 | 19 29 56 | 21°49'11 | 8♏29 | 15°12 | 9°51 | 19°50 | 19°37 | 20°29 | 20°40 | 25°14 | 4°56 | 27°21 | 27°38 | 28°26 | 10° 5 | W 7 |
| T 8 | 19 33 53 | 22°46'28 | 22°42 | 15°28 | 11° 4 | 20°21 | 19°32 | 20°28 | 20°44 | 25°14 | 4°56 | 27°21 | 27°34 | 28°33 | 10° 2 | T 8 |
| F 9 | 19 37 50 | 23°43'45 | 7♐17 | 15°38 | 12°18 | 20°52 | 19°26 | 20°27 | 20°47 | 25°13 | 4°57 | 27°21 | 27°31 | 28°39 | 10° 0 | F 9 |
| S 10 | 19 41 46 | 24°41'03 | 22° 9 | 15°44 | 13°31 | 21°24 | 19°21 | 20°27 | 20°51 | 25°12 | 4°57 | 27°20 | 27°28 | 28°46 | 9°58 | S 10 |
| S 11 | 19 45 43 | 25°38'22 | 7♑11 | 15°R45 | 14°45 | 21°56 | 19°17 | 20°26 | 20°55 | 25°12 | 4°58 | 27°20 | 27°25 | 28°53 | 9°55 | S 11 |
| M12 | 19 49 39 | 26°35'41 | 22°14 | 15°41 | 15°58 | 22°28 | 19°12 | 20°25 | 20°58 | 25°11 | 4°58 | 27°D20 | 27°22 | 28°59 | 9°53 | M12 |
| T 13 | 19 53 36 | 27°33'01 | 7♒11 | 15°32 | 17°12 | 23° 1 | 19° 7 | 20°25 | 21° 2 | 25°10 | 4°58 | 27°R20 | 27°19 | 29° 6 | 9°51 | T 13 |
| W14 | 19 57 32 | 28°30'22 | 21°54 | 15°18 | 18°25 | 23°33 | 19° 3 | 20°25 | 21° 6 | 25°10 | 4°59 | 27°20 | 27°15 | 29°13 | 9°49 | W14 |
| T 15 | 20 1 29 | 29°27'44 | 6♓15 | 14°58 | 19°39 | 24° 6 | 18°58 | 20°24 | 21° 9 | 25° 9 | 4°59 | 27°20 | 27°12 | 29°19 | 9°48 | T 15 |
| F 16 | 20 5 25 | 0♌25'07 | 20°11 | 14°34 | 20°52 | 24°39 | 18°54 | 20°24 | 21°13 | 25° 8 | 4°59 | 27°20 | 27° 9 | 29°26 | 9°46 | F 16 |
| S 17 | 20 9 22 | 1°22'31 | 3♈42 | 14° 5 | 22° 5 | 25°12 | 18°50 | 20°D24 | 21°17 | 25° 7 | 4°59 | 27°19 | 27° 6 | 29°33 | 9°44 | S 17 |
| S 18 | 20 13 19 | 2°19'56 | 16°46 | 13°31 | 23°19 | 25°46 | 18°47 | 20°24 | 21°20 | 25° 7 | 5° 0 | 27°19 | 27° 3 | 29°39 | 9°42 | S 18 |
| M19 | 20 17 15 | 3°17'23 | 29°28 | 12°54 | 24°32 | 26°20 | 18°43 | 20°24 | 21°24 | 25° 6 | 5° 0 | 27°D19 | 27° 0 | 29°46 | 9°41 | M19 |
| T 20 | 20 21 12 | 4°14'51 | 11♉50 | 12°13 | 25°46 | 26°54 | 18°39 | 20°24 | 21°27 | 25° 5 | 5° 0 | 27°19 | 26°56 | 29°53 | 9°39 | T 20 |
| W21 | 20 25 8 | 5°12'20 | 23°57 | 11°29 | 26°59 | 27°28 | 18°36 | 20°25 | 21°31 | 25° 4 | 5° 0 | 27°19 | 26°53 | 29°59 | 9°38 | W21 |
| T 22 | 20 29 5 | 6° 9'50 | 5♊54 | 10°42 | 28°12 | 28° 2 | 18°33 | 20°25 | 21°35 | 25° 3 | 5° 0 | 27°20 | 26°50 | 0♋ 6 | 9°37 | T 22 |
| F 23 | 20 33 1 | 7° 7'22 | 17°44 | 9°55 | 29°26 | 28°36 | 18°30 | 20°25 | 21°38 | 25° 2 | 5° 0 | 27°21 | 26°47 | 0°13 | 9°36 | F 23 |
| S 24 | 20 36 58 | 8° 4'56 | 29°32 | 9° 6 | 0♍39 | 29°11 | 18°27 | 20°26 | 21°42 | 25° 1 | 5° 0 | 27°22 | 26°44 | 0°19 | 9°34 | S 24 |
| S 25 | 20 40 54 | 9° 2'30 | 11♋22 | 8°18 | 1°52 | 29°46 | 18°25 | 20°27 | 21°45 | 25° 0 | 5° 1 | 27°23 | 26°40 | 0°26 | 9°33 | S 25 |
| M26 | 20 44 51 | 10° 0'06 | 23°16 | 7°31 | 3° 6 | 0♏21 | 18°22 | 20°27 | 21°49 | 24°59 | 5° 1 | 27°R23 | 26°37 | 0°33 | 9°33 | M26 |
| T 27 | 20 48 48 | 10°57'44 | 5♌17 | 6°46 | 4°19 | 0°57 | 18°20 | 20°28 | 21°52 | 24°58 | 5° 1 | 27°23 | 26°34 | 0°39 | 9°32 | T 27 |
| W28 | 20 52 44 | 11°55'22 | 17°27 | 6° 5 | 5°32 | 1°32 | 18°18 | 20°29 | 21°56 | 24°57 | 5°R 1 | 27°22 | 26°31 | 0°46 | 9°31 | W28 |
| T 29 | 20 56 41 | 12°53'02 | 29°48 | 5°27 | 6°46 | 2° 8 | 18°16 | 20°30 | 21°59 | 24°56 | 5° 1 | 27°21 | 26°28 | 0°53 | 9°30 | T 29 |
| F 30 | 21 0 37 | 13°50'43 | 12♍21 | 4°53 | 7°59 | 2°44 | 18°15 | 20°32 | 22° 3 | 24°55 | 5° 1 | 27°19 | 26°25 | 0°59 | 9°30 | F 30 |
| S 31 | 21 4 34 | 14♌48'25 | 25♍ 7 | 4♌26 | 9♍12 | 3♏20 | 18♐13 | 20♏33 | 22♋ 6 | 24♓53 | 5♉ 1 | 27♋16 | 26♋21 | 1♋ 6 | 9♐29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n33 | 16n41 | 2n 5 | 16n 0 | 1s16 | 21n 4 | 1n26 | 7s13 | 0s39 | 22s54 | 0n15 | 15s55 | 2n 8 | 22n27 | 0n28 | 3s 9 | 1s23 | 1s49 | 15s54 | 20n46 | 20n39 | 20n55 | 16s30 | 5n38 |
| F 2 | 22 26 | 13 23 | 3 4 | 15 36 | 1 29 | 20 48 | 1 27 | 7 26 | 0 40 | 22 54 | 0 15 | 15 55 | 2 7 | 22 26 | 0 28 | 3 10 | 1 23 | 1 49 | 15 54 | 20 46 | 20 39 | 20 55 | 16 30 | 5 38 |
| S 3 | 22 18 | 9 26 | 3 56 | 15 13 | 1 42 | 20 31 | 1 28 | 7 38 | 0 41 | 22 54 | 0 15 | 15 55 | 2 7 | 22 25 | 0 28 | 3 10 | 1 23 | 1 49 | 15 54 | 20 46 | 20 40 | 20 56 | 16 29 | 5 38 |
| S 4 | 22 10 | 5 0 | 4 37 | 14 51 | 1 56 | 20 13 | 1 29 | 7 51 | 0 43 | 22 53 | 0 15 | 15 54 | 2 7 | 22 25 | 0 28 | 3 10 | 1 24 | 1 49 | 15 55 | 20 46 | 20 40 | 20 57 | 16 29 | 5 37 |
| M 5 | 22 2 | 0 15 | 5 5 | 14 29 | 2 9 | 19 55 | 1 29 | 8 4 | 0 44 | 22 53 | 0 15 | 15 54 | 2 7 | 22 24 | 0 28 | 3 10 | 1 24 | 1 49 | 15 55 | 20 46 | 20 41 | 20 58 | 16 29 | 5 37 |
| T 6 | 21 54 | 4s39 | 5 17 | 14 9 | 2 23 | 19 37 | 1 30 | 8 16 | 0 45 | 22 53 | 0 14 | 15 54 | 2 6 | 22 24 | 0 28 | 3 10 | 1 24 | 1 49 | 15 55 | 20 46 | 20 42 | 20 59 | 16 29 | 5 37 |
| W 7 | 21 45 | 9 27 | 5 12 | 13 50 | 2 37 | 19 17 | 1 30 | 8 29 | 0 46 | 22 52 | 0 14 | 15 54 | 2 6 | 22 23 | 0 28 | 3 11 | 1 24 | 1 49 | 15 55 | 20 46 | 20 42 | 21 0 | 16 29 | 5 37 |
| T 8 | 21 35 | 13 53 | 4 47 | 13 33 | 2 50 | 18 58 | 1 31 | 8 42 | 0 47 | 22 52 | 0 14 | 15 54 | 2 6 | 22 23 | 0 28 | 3 11 | 1 24 | 1 49 | 15 56 | 20 46 | 20 43 | 21 1 | 16 29 | 5 37 |
| F 9 | 21 26 | 17 36 | 4 4 | 13 17 | 3 3 | 18 37 | 1 31 | 8 55 | 0 48 | 22 52 | 0 14 | 15 54 | 2 6 | 22 22 | 0 28 | 3 11 | 1 24 | 1 50 | 15 56 | 20 46 | 20 44 | 21 1 | 16 29 | 5 36 |
| S 10 | 21 16 | 20 14 | 3 3 | 13 3 | 3 16 | 18 17 | 1 31 | 9 8 | 0 49 | 22 52 | 0 14 | 15 54 | 2 5 | 22 22 | 0 28 | 3 12 | 1 24 | 1 50 | 15 56 | 20 46 | 20 44 | 21 2 | 16 29 | 5 36 |
| S 11 | 21 5 | 21 30 | 1 50 | 12 50 | 3 29 | 17 55 | 1 32 | 9 20 | 0 50 | 22 51 | 0 14 | 15 54 | 2 5 | 22 21 | 0 28 | 3 12 | 1 24 | 1 50 | 15 57 | 20 46 | 20 45 | 21 3 | 16 29 | 5 36 |
| M12 | 20 54 | 21 13 | 0 28 | 12 40 | 3 42 | 17 34 | 1 32 | 9 33 | 0 51 | 22 51 | 0 13 | 15 54 | 2 5 | 22 20 | 0 28 | 3 12 | 1 24 | 1 50 | 15 57 | 20 46 | 20 45 | 21 4 | 16 29 | 5 36 |
| T 13 | 20 43 | 19 25 | 0s55 | 12 31 | 3 53 | 17 11 | 1 32 | 9 46 | 0 52 | 22 51 | 0 13 | 15 55 | 2 5 | 22 20 | 0 28 | 3 12 | 1 24 | 1 50 | 15 57 | 20 46 | 20 46 | 21 5 | 16 28 | 5 35 |
| W14 | 20 32 | 16 21 | 2 12 | 12 25 | 4 4 | 16 49 | 1 32 | 9 59 | 0 53 | 22 51 | 0 13 | 15 55 | 2 4 | 22 19 | 0 28 | 3 13 | 1 24 | 1 51 | 15 58 | 20 46 | 20 47 | 21 6 | 16 28 | 5 35 |
| T 15 | 20 20 | 12 20 | 3 20 | 12 21 | 4 15 | 16 26 | 1 32 | 10 12 | 0 54 | 22 51 | 0 13 | 15 55 | 2 4 | 22 19 | 0 28 | 3 13 | 1 24 | 1 51 | 15 58 | 20 46 | 20 47 | 21 6 | 16 28 | 5 35 |
| F 16 | 20 8 | 7 47 | 4 13 | 12 19 | 4 24 | 16 2 | 1 32 | 10 26 | 0 54 | 22 51 | 0 13 | 15 55 | 2 4 | 22 18 | 0 28 | 3 13 | 1 24 | 1 51 | 15 58 | 20 46 | 20 48 | 21 7 | 16 28 | 5 34 |
| S 17 | 19 55 | 2 59 | 4 51 | 12 19 | 4 32 | 15 38 | 1 31 | 10 39 | 0 55 | 22 50 | 0 13 | 15 55 | 2 4 | 22 18 | 0 28 | 3 14 | 1 24 | 1 51 | 15 58 | 20 46 | 20 49 | 21 8 | 16 29 | 5 34 |
| S 18 | 19 42 | 1n48 | 5 12 | 12 22 | 4 39 | 15 14 | 1 31 | 10 52 | 0 56 | 22 50 | 0 13 | 15 55 | 2 3 | 22 17 | 0 28 | 3 14 | 1 24 | 1 51 | 15 59 | 20 46 | 20 49 | 21 9 | 16 29 | 5 34 |
| M19 | 19 29 | 6 22 | 5 17 | 12 27 | 4 44 | 14 49 | 1 31 | 11 5 | 0 57 | 22 50 | 0 12 | 15 56 | 2 3 | 22 17 | 0 28 | 3 15 | 1 24 | 1 52 | 15 59 | 20 46 | 20 50 | 21 10 | 16 29 | 5 34 |
| T 20 | 19 16 | 10 33 | 5 7 | 12 35 | 4 48 | 14 23 | 1 30 | 11 18 | 0 58 | 22 50 | 0 12 | 15 56 | 2 3 | 22 16 | 0 28 | 3 15 | 1 24 | 1 52 | 15 59 | 20 46 | 20 50 | 21 10 | 16 29 | 5 33 |
| W21 | 19 2 | 14 14 | 4 44 | 12 44 | 4 50 | 13 58 | 1 30 | 11 31 | 0 59 | 22 50 | 0 12 | 15 56 | 2 3 | 22 15 | 0 28 | 3 15 | 1 24 | 1 52 | 16 0 | 20 46 | 20 51 | 21 11 | 16 29 | 5 33 |
| T 22 | 18 48 | 17 17 | 4 9 | 12 56 | 4 51 | 13 32 | 1 29 | 11 44 | 1 0 | 22 50 | 0 12 | 15 57 | 2 2 | 22 15 | 0 28 | 3 16 | 1 24 | 1 52 | 16 0 | 20 46 | 20 52 | 21 12 | 16 29 | 5 33 |
| F 23 | 18 33 | 19 35 | 3 23 | 13 10 | 4 50 | 13 6 | 1 29 | 11 57 | 1 0 | 22 50 | 0 12 | 15 57 | 2 2 | 22 14 | 0 28 | 3 16 | 1 24 | 1 53 | 16 0 | 20 46 | 20 52 | 21 13 | 16 29 | 5 32 |
| S 24 | 18 18 | 21 3 | 2 28 | 13 26 | 4 47 | 12 39 | 1 28 | 12 11 | 1 1 | 22 50 | 0 12 | 15 57 | 2 2 | 22 14 | 0 28 | 3 17 | 1 24 | 1 53 | 16 1 | 20 45 | 20 53 | 21 14 | 16 29 | 5 32 |
| S 25 | 18 3 | 21 35 | 1 28 | 13 43 | 4 42 | 12 12 | 1 27 | 12 24 | 1 2 | 22 49 | 0 11 | 15 58 | 2 2 | 22 13 | 0 28 | 3 17 | 1 25 | 1 53 | 16 1 | 20 45 | 20 53 | 21 14 | 16 29 | 5 32 |
| M26 | 17 48 | 21 8 | 0 23 | 14 1 | 4 35 | 11 45 | 1 26 | 12 37 | 1 3 | 22 49 | 0 11 | 15 58 | 2 1 | 22 13 | 0 28 | 3 18 | 1 25 | 1 53 | 16 1 | 20 45 | 20 54 | 21 15 | 16 30 | 5 31 |
| T 27 | 17 32 | 19 43 | 0n44 | 14 21 | 4 26 | 11 17 | 1 25 | 12 50 | 1 4 | 22 49 | 0 11 | 15 59 | 2 1 | 22 12 | 0 28 | 3 18 | 1 25 | 1 54 | 16 2 | 20 45 | 20 55 | 21 16 | 16 30 | 5 31 |
| W28 | 17 16 | 17 23 | 1 49 | 14 41 | 4 16 | 10 49 | 1 24 | 13 3 | 1 4 | 22 49 | 0 11 | 15 59 | 2 1 | 22 12 | 0 28 | 3 19 | 1 25 | 1 54 | 16 2 | 20 45 | 20 55 | 21 17 | 16 30 | 5 31 |
| T 29 | 17 0 | 14 14 | 2 50 | 15 1 | 4 4 | 10 21 | 1 23 | 13 16 | 1 5 | 22 49 | 0 11 | 16 0 | 2 1 | 22 11 | 0 28 | 3 19 | 1 25 | 1 54 | 16 2 | 20 46 | 20 56 | 21 17 | 16 30 | 5 30 |
| F 30 | 16 44 | 10 23 | 3 44 | 15 22 | 3 51 | 9 52 | 1 22 | 13 29 | 1 6 | 22 49 | 0 11 | 16 0 | 2 0 | 22 10 | 0 28 | 3 19 | 1 25 | 1 55 | 16 2 | 20 46 | 20 57 | 21 18 | 16 31 | 5 30 |
| S 31 | 16n27 | 6n 2 | 4n27 | 15n42 | 3s37 | 9n24 | 1n21 | 13s42 | 1s 7 | 22s49 | 0n10 | 16s 1 | 2n 0 | 22n10 | 0n28 | 3s20 | 1s25 | 1s55 | 16s 3 | 20n47 | 20n57 | 21n19 | 16s31 | 5n30 |

Julian Day Number = 2220535.5, Delta T = 08m43s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'04, Lahiri = 15°02'04 Julian Calendar 1 July 1367 == Greg. Calendar 9 July 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## AUGUST 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 8 30 | 15♌46'08 | 8♎ 8 | 4°R 4 | 10♍25 | 3♏56 | 18°R12 | 20♏34 | 22♋10 | 24°R52 | 5°R 0 | 27°R14 | 26♋18 | 1♋13 | 9°R29 | S 1 |
| M 2 | 21 12 27 | 16°43'53 | 21°23 | 3♌49 | 11°39 | 4°32 | 18♐11 | 20°36 | 22°13 | 24♓51 | 5♉ 0 | 27♋11 | 26°15 | 1°19 | 9♐28 | M 2 |
| T 3 | 21 16 23 | 17°41'38 | 4♏54 | 3°40 | 12°52 | 5° 9 | 18°10 | 20°37 | 22°17 | 24°50 | 5° 0 | 27°10 | 26°12 | 1°26 | 9°28 | T 3 |
| W 4 | 21 20 20 | 18°39'25 | 18°41 | 3°D40 | 14° 5 | 5°45 | 18° 9 | 20°39 | 22°20 | 24°49 | 5° 0 | 27°D10 | 26° 9 | 1°33 | 9°28 | W 4 |
| T 5 | 21 24 17 | 19°37'13 | 2♐44 | 3°46 | 15°18 | 6°22 | 18° 9 | 20°41 | 22°23 | 24°47 | 5° 0 | 27°10 | 26° 6 | 1°39 | 9°D28 | T 5 |
| F 6 | 21 28 13 | 20°35'02 | 17° 2 | 4° 1 | 16°32 | 6°59 | 18° 8 | 20°42 | 22°27 | 24°46 | 5° 0 | 27°11 | 26° 2 | 1°46 | 9°28 | F 6 |
| S 7 | 21 32 10 | 21°32'53 | 1♑33 | 4°23 | 17°45 | 7°37 | 18°D 8 | 20°44 | 22°30 | 24°45 | 5° 0 | 27°13 | 25°59 | 1°53 | 9°28 | S 7 |
| S 8 | 21 36 6 | 22°30'44 | 16°12 | 4°54 | 18°58 | 8°14 | 18° 8 | 20°46 | 22°33 | 24°43 | 4°59 | 27°14 | 25°56 | 1°59 | 9°28 | S 8 |
| M 9 | 21 40 3 | 23°28'37 | 0♒55 | 5°31 | 20°11 | 8°52 | 18° 9 | 20°48 | 22°37 | 24°42 | 4°59 | 27°R14 | 25°53 | 2° 6 | 9°29 | M 9 |
| T 10 | 21 43 59 | 24°26'32 | 15°35 | 6°17 | 21°24 | 9°29 | 18° 9 | 20°51 | 22°40 | 24°41 | 4°59 | 27°13 | 25°50 | 2°13 | 9°29 | T 10 |
| W11 | 21 47 56 | 25°24'28 | 0♓ 7 | 7°10 | 22°37 | 10° 7 | 18°10 | 20°53 | 22°43 | 24°39 | 4°59 | 27°11 | 25°46 | 2°19 | 9°30 | W11 |
| T 12 | 21 51 52 | 26°22'25 | 14°22 | 8°10 | 23°50 | 10°45 | 18°10 | 20°55 | 22°47 | 24°38 | 4°58 | 27° 7 | 25°43 | 2°26 | 9°30 | T 12 |
| F 13 | 21 55 49 | 27°20'25 | 28°17 | 9°16 | 25° 3 | 11°23 | 18°11 | 20°58 | 22°50 | 24°36 | 4°58 | 27° 3 | 25°40 | 2°33 | 9°31 | F 13 |
| S 14 | 21 59 46 | 28°18'26 | 11♈49 | 10°30 | 26°16 | 12° 1 | 18°12 | 21° 0 | 22°53 | 24°35 | 4°58 | 26°58 | 25°37 | 2°39 | 9°32 | S 14 |
| S 15 | 22 3 42 | 29°16'29 | 24°57 | 11°49 | 27°29 | 12°40 | 18°14 | 21° 3 | 22°56 | 24°34 | 4°57 | 26°54 | 25°34 | 2°46 | 9°33 | S 15 |
| M16 | 22 7 39 | 0♍14'33 | 7♉41 | 13°13 | 28°42 | 13°18 | 18°15 | 21° 6 | 22°59 | 24°32 | 4°57 | 26°50 | 25°31 | 2°53 | 9°34 | M16 |
| T 17 | 22 11 35 | 1°12'40 | 20° 5 | 14°43 | 29°55 | 13°57 | 18°17 | 21° 8 | 23° 2 | 24°31 | 4°56 | 26°48 | 25°27 | 2°59 | 9°35 | T 17 |
| W18 | 22 15 32 | 2°10'49 | 2♊13 | 16°17 | 1♎ 8 | 14°36 | 18°19 | 21°11 | 23° 5 | 24°29 | 4°56 | 26°D47 | 25°24 | 3° 6 | 9°36 | W18 |
| T 19 | 22 19 28 | 3° 9'00 | 14°10 | 17°55 | 2°21 | 15°15 | 18°21 | 21°14 | 23° 8 | 24°28 | 4°56 | 26°48 | 25°21 | 3°13 | 9°37 | T 19 |
| F 20 | 22 23 25 | 4° 7'13 | 26° 0 | 19°37 | 3°34 | 15°54 | 18°23 | 21°17 | 23°11 | 24°26 | 4°55 | 26°49 | 25°18 | 3°19 | 9°38 | F 20 |
| S 21 | 22 27 21 | 5° 5'28 | 7♋48 | 21°21 | 4°47 | 16°33 | 18°26 | 21°21 | 23°14 | 24°25 | 4°55 | 26°51 | 25°15 | 3°26 | 9°40 | S 21 |
| S 22 | 22 31 18 | 6° 3'45 | 19°40 | 23° 9 | 6° 0 | 17°13 | 18°28 | 21°24 | 23°17 | 24°23 | 4°54 | 26°52 | 25°12 | 3°32 | 9°41 | S 22 |
| M23 | 22 35 15 | 7° 2'04 | 1♌39 | 24°58 | 7°13 | 17°52 | 18°31 | 21°27 | 23°20 | 24°21 | 4°54 | 26°R52 | 25° 8 | 3°39 | 9°43 | M23 |
| T 24 | 22 39 11 | 8° 0'25 | 13°49 | 26°49 | 8°25 | 18°32 | 18°34 | 21°31 | 23°23 | 24°20 | 4°53 | 26°51 | 25° 5 | 3°46 | 9°44 | T 24 |
| W25 | 22 43 8 | 8°58'48 | 26°12 | 28°41 | 9°38 | 19°12 | 18°37 | 21°34 | 23°26 | 24°18 | 4°53 | 26°47 | 25° 2 | 3°52 | 9°46 | W25 |
| T 26 | 22 47 4 | 9°57'13 | 8♍51 | 0♍34 | 10°51 | 19°52 | 18°41 | 21°38 | 23°29 | 24°17 | 4°52 | 26°42 | 24°59 | 3°59 | 9°48 | T 26 |
| F 27 | 22 51 1 | 10°55'40 | 21°44 | 2°27 | 12° 4 | 20°32 | 18°44 | 21°41 | 23°31 | 24°15 | 4°51 | 26°35 | 24°56 | 4° 6 | 9°50 | F 27 |
| S 28 | 22 54 57 | 11°54'09 | 4♎53 | 4°21 | 13°16 | 21°12 | 18°48 | 21°45 | 23°34 | 24°13 | 4°51 | 26°27 | 24°52 | 4°12 | 9°52 | S 28 |
| S 29 | 22 58 54 | 12°52'39 | 18°15 | 6°15 | 14°29 | 21°52 | 18°52 | 21°49 | 23°37 | 24°12 | 4°50 | 26°20 | 24°49 | 4°19 | 9°54 | S 29 |
| M30 | 23 2 50 | 13°51'11 | 1♏50 | 8° 8 | 15°42 | 22°33 | 18°56 | 21°53 | 23°40 | 24°10 | 4°50 | 26°13 | 24°46 | 4°26 | 9°56 | M30 |
| T 31 | 23 6 47 | 14♍49'45 | 15♏35 | 10♍ 1 | 16♎55 | 23♏14 | 19♐ 0 | 21♏57 | 23♋42 | 24♓ 9 | 4♉49 | 26♋ 7 | 24♋43 | 4♋32 | 9♐58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n10 | 1n20 | 4n58 | 16n 2 | 3s21 | 8n55 | 1n20 | 13s56 | 1s 7 | 22s49 | 0n10 | 16s 2 | 2n 0 | 22n 9 | 0n28 | 3s20 | 1s25 | 1s55 | 16s 3 | 20n47 | 20n58 | 21n20 | 16s31 | 5n29 |
| M 2 | 15 52 | 3s31 | 5 14 | 16 22 | 3 5 | 8 25 | 1 18 | 14 9 | 1 8 | 22 50 | 0 10 | 16 2 | 2 0 | 22 9 | 0 28 | 3 21 | 1 25 | 1 56 | 16 3 | 20 48 | 20 58 | 21 20 | 16 31 | 5 29 |
| T 3 | 15 35 | 8 17 | 5 13 | 16 40 | 2 48 | 7 56 | 1 17 | 14 22 | 1 9 | 22 50 | 0 10 | 16 3 | 1 59 | 22 8 | 0 28 | 3 22 | 1 25 | 1 56 | 16 4 | 20 48 | 20 59 | 21 21 | 16 32 | 5 29 |
| W 4 | 15 17 | 12 44 | 4 54 | 16 57 | 2 31 | 7 26 | 1 15 | 14 35 | 1 9 | 22 50 | 0 10 | 16 3 | 1 59 | 22 8 | 0 28 | 3 22 | 1 25 | 1 56 | 16 4 | 20 48 | 21 0 | 21 22 | 16 32 | 5 28 |
| T 5 | 14 59 | 16 35 | 4 17 | 17 13 | 2 13 | 6 57 | 1 14 | 14 47 | 1 10 | 22 50 | 0 10 | 16 4 | 1 59 | 22 7 | 0 28 | 3 23 | 1 25 | 1 56 | 16 4 | 20 48 | 21 0 | 21 23 | 16 32 | 5 28 |
| F 6 | 14 41 | 19 31 | 3 24 | 17 27 | 1 56 | 6 27 | 1 12 | 15 0 | 1 11 | 22 50 | 0 9 | 16 5 | 1 59 | 22 7 | 0 28 | 3 23 | 1 25 | 1 57 | 16 5 | 20 48 | 21 1 | 21 23 | 16 33 | 5 28 |
| S 7 | 14 22 | 21 14 | 2 17 | 17 39 | 1 38 | 5 56 | 1 11 | 15 13 | 1 11 | 22 50 | 0 9 | 16 6 | 1 58 | 22 6 | 0 28 | 3 24 | 1 25 | 1 57 | 16 5 | 20 47 | 21 1 | 21 24 | 16 33 | 5 27 |
| S 8 | 14 3 | 21 32 | 1 0 | 17 49 | 1 20 | 5 26 | 1 9 | 15 26 | 1 12 | 22 50 | 0 9 | 16 6 | 1 58 | 22 6 | 0 29 | 3 24 | 1 25 | 1 58 | 16 5 | 20 47 | 21 2 | 21 25 | 16 33 | 5 27 |
| M 9 | 13 44 | 20 21 | 0s20 | 17 56 | 1 3 | 4 56 | 1 7 | 15 39 | 1 13 | 22 50 | 0 9 | 16 7 | 1 58 | 22 5 | 0 29 | 3 25 | 1 25 | 1 58 | 16 5 | 20 47 | 21 3 | 21 25 | 16 34 | 5 27 |
| T 10 | 13 25 | 17 48 | 1 39 | 18 1 | 0 46 | 4 25 | 1 5 | 15 51 | 1 13 | 22 51 | 0 9 | 16 8 | 1 58 | 22 5 | 0 29 | 3 25 | 1 25 | 1 58 | 16 6 | 20 47 | 21 3 | 21 26 | 16 34 | 5 26 |
| W11 | 13 6 | 14 8 | 2 51 | 18 4 | 0 30 | 3 54 | 1 3 | 16 4 | 1 14 | 22 51 | 0 9 | 16 9 | 1 57 | 22 4 | 0 29 | 3 26 | 1 25 | 1 59 | 16 6 | 20 48 | 21 4 | 21 27 | 16 35 | 5 26 |
| T 12 | 12 46 | 9 43 | 3 50 | 18 3 | 0 14 | 3 24 | 1 1 | 16 17 | 1 14 | 22 51 | 0 9 | 16 10 | 1 57 | 22 4 | 0 29 | 3 27 | 1 25 | 1 59 | 16 6 | 20 48 | 21 4 | 21 28 | 16 35 | 5 25 |
| F 13 | 12 26 | 4 53 | 4 34 | 18 0 | 0n 0 | 2 53 | 0 59 | 16 29 | 1 15 | 22 51 | 0 8 | 16 11 | 1 57 | 22 3 | 0 29 | 3 27 | 1 25 | 1 59 | 16 7 | 20 49 | 21 5 | 21 28 | 16 36 | 5 25 |
| S 14 | 12 6 | 0n 3 | 5 2 | 17 54 | 0 14 | 2 22 | 0 57 | 16 42 | 1 15 | 22 52 | 0 8 | 16 11 | 1 57 | 22 3 | 0 29 | 3 28 | 1 25 | 2 0 | 16 7 | 20 50 | 21 5 | 21 29 | 16 36 | 5 25 |
| S 15 | 11 46 | 4 50 | 5 12 | 17 45 | 0 28 | 1 50 | 0 55 | 16 54 | 1 16 | 22 52 | 0 8 | 16 12 | 1 57 | 22 2 | 0 29 | 3 28 | 1 25 | 2 0 | 16 7 | 20 51 | 21 6 | 21 30 | 16 37 | 5 24 |
| M16 | 11 25 | 9 17 | 5 7 | 17 32 | 0 40 | 1 19 | 0 53 | 17 6 | 1 17 | 22 52 | 0 8 | 16 13 | 1 56 | 22 2 | 0 29 | 3 29 | 1 25 | 2 0 | 16 7 | 20 52 | 21 7 | 21 30 | 16 37 | 5 24 |
| T 17 | 11 5 | 13 12 | 4 47 | 17 17 | 0 51 | 0 48 | 0 50 | 17 18 | 1 17 | 22 52 | 0 8 | 16 14 | 1 56 | 22 1 | 0 29 | 3 30 | 1 25 | 2 1 | 16 8 | 20 52 | 21 7 | 21 31 | 16 38 | 5 24 |
| W18 | 10 44 | 16 30 | 4 15 | 16 59 | 1 1 | 0 17 | 0 48 | 17 30 | 1 18 | 22 53 | 0 8 | 16 15 | 1 56 | 22 1 | 0 29 | 3 30 | 1 25 | 2 1 | 16 8 | 20 52 | 21 8 | 21 32 | 16 38 | 5 23 |
| T 19 | 10 23 | 19 4 | 3 32 | 16 38 | 1 10 | 0s14 | 0 46 | 17 43 | 1 18 | 22 53 | 0 7 | 16 16 | 1 56 | 22 0 | 0 29 | 3 31 | 1 25 | 2 2 | 16 8 | 20 52 | 21 8 | 21 32 | 16 39 | 5 23 |
| F 20 | 10 2 | 20 47 | 2 40 | 16 13 | 1 18 | 0 46 | 0 43 | 17 54 | 1 19 | 22 53 | 0 7 | 16 17 | 1 55 | 22 0 | 0 29 | 3 31 | 1 25 | 2 2 | 16 9 | 20 52 | 21 9 | 21 33 | 16 39 | 5 23 |
| S 21 | 9 41 | 21 35 | 1 42 | 15 47 | 1 25 | 1 17 | 0 41 | 18 6 | 1 19 | 22 54 | 0 7 | 16 18 | 1 55 | 21 59 | 0 29 | 3 32 | 1 25 | 2 2 | 16 9 | 20 51 | 21 10 | 21 34 | 16 40 | 5 22 |
| S 22 | 9 19 | 21 26 | 0 39 | 15 17 | 1 32 | 1 48 | 0 38 | 18 18 | 1 20 | 22 54 | 0 7 | 16 19 | 1 55 | 21 59 | 0 29 | 3 33 | 1 25 | 2 3 | 16 9 | 20 51 | 21 10 | 21 34 | 16 40 | 5 22 |
| M23 | 8 57 | 20 17 | 0n26 | 14 46 | 1 37 | 2 20 | 0 35 | 18 30 | 1 20 | 22 54 | 0 7 | 16 20 | 1 55 | 21 58 | 0 29 | 3 33 | 1 25 | 2 3 | 16 9 | 20 51 | 21 11 | 21 35 | 16 41 | 5 21 |
| T 24 | 8 36 | 18 11 | 1 31 | 14 12 | 1 41 | 2 51 | 0 33 | 18 41 | 1 20 | 22 55 | 0 7 | 16 22 | 1 54 | 21 58 | 0 29 | 3 34 | 1 26 | 2 4 | 16 10 | 20 52 | 21 11 | 21 36 | 16 42 | 5 21 |
| W25 | 8 14 | 15 13 | 2 32 | 13 36 | 1 44 | 3 22 | 0 30 | 18 53 | 1 21 | 22 55 | 0 7 | 16 23 | 1 54 | 21 57 | 0 29 | 3 35 | 1 26 | 2 4 | 16 10 | 20 52 | 21 12 | 21 36 | 16 42 | 5 21 |
| T 26 | 7 52 | 11 29 | 3 28 | 12 58 | 1 46 | 3 53 | 0 27 | 19 4 | 1 21 | 22 56 | 0 6 | 16 24 | 1 54 | 21 57 | 0 29 | 3 35 | 1 26 | 2 5 | 16 10 | 20 53 | 21 12 | 21 37 | 16 43 | 5 20 |
| F 27 | 7 30 | 7 10 | 4 13 | 12 19 | 1 48 | 4 24 | 0 25 | 19 15 | 1 22 | 22 56 | 0 6 | 16 25 | 1 54 | 21 56 | 0 29 | 3 36 | 1 26 | 2 5 | 16 10 | 20 55 | 21 13 | 21 37 | 16 43 | 5 20 |
| S 28 | 7 7 | 2 26 | 4 47 | 11 38 | 1 49 | 4 55 | 0 22 | 19 27 | 1 22 | 22 57 | 0 6 | 16 26 | 1 54 | 21 56 | 0 29 | 3 37 | 1 26 | 2 5 | 16 11 | 20 56 | 21 14 | 21 38 | 16 44 | 5 20 |
| S 29 | 6 45 | 2s29 | 5 5 | 10 56 | 1 49 | 5 26 | 0 19 | 19 38 | 1 23 | 22 57 | 0 6 | 16 27 | 1 53 | 21 55 | 0 29 | 3 37 | 1 26 | 2 6 | 16 11 | 20 57 | 21 14 | 21 39 | 16 45 | 5 19 |
| M30 | 6 22 | 7 21 | 5 6 | 10 13 | 1 48 | 5 57 | 0 16 | 19 48 | 1 23 | 22 58 | 0 6 | 16 29 | 1 53 | 21 55 | 0 29 | 3 38 | 1 26 | 2 6 | 16 11 | 20 59 | 21 15 | 21 39 | 16 45 | 5 19 |
| T 31 | 6n 0 | 11s55 | 4n50 | 9n29 | 1n47 | 6s28 | 0n13 | 19s59 | 1s23 | 22s58 | 0n 6 | 16s30 | 1n53 | 21n55 | 0n29 | 3s39 | 1s26 | 2s 7 | 16s11 | 21n 0 | 21n15 | 21n40 | 16s46 | 5n19 |

Julian Day Number = 2220566.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'08, Lahiri = 15°02'08 Julian Calendar 1 Aug. 1367 == Greg. Calendar 9 Aug. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## SEPTEMBER 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 10 44 | 15♍48'21 | 29♏28 | 11♍54 | 18♎ 7 | 23♏54 | 19♐ 5 | 22♏ 1 | 23♋45 | 24°R 7 | 4°R48 | 26°R 4 | 24♋40 | 4♋39 | 10♐ 1 | W 1 |
| T 2 | 23 14 40 | 16°46'58 | 13♐29 | 13°46 | 19°20 | 24°35 | 19° 9 | 22° 5 | 23°47 | 24♓ 5 | 4♉48 | 26°D 3 | 24°37 | 4°46 | 10° 3 | T 2 |
| F 3 | 23 18 37 | 17°45'37 | 27°36 | 15°38 | 20°32 | 25°16 | 19°14 | 22° 9 | 23°50 | 24° 4 | 4°47 | 26♋ 3 | 24°33 | 4°52 | 10° 6 | F 3 |
| S 4 | 23 22 33 | 18°44'18 | 11♑49 | 17°28 | 21°45 | 25°57 | 19°19 | 22°14 | 23°52 | 24° 2 | 4°46 | 26° 4 | 24°30 | 4°59 | 10° 8 | S 4 |
| S 5 | 23 26 30 | 19°43'00 | 26° 5 | 19°18 | 22°57 | 26°38 | 19°24 | 22°18 | 23°55 | 24° 0 | 4°45 | 26°R 5 | 24°27 | 5° 6 | 10°11 | S 5 |
| M 6 | 23 30 26 | 20°41'45 | 10♒22 | 21° 7 | 24°10 | 27°20 | 19°29 | 22°22 | 23°57 | 23°59 | 4°45 | 26° 4 | 24°24 | 5°12 | 10°14 | M 6 |
| T 7 | 23 34 23 | 21°40'30 | 24°37 | 22°55 | 25°22 | 28° 1 | 19°35 | 22°27 | 23°59 | 23°57 | 4°44 | 26° 1 | 24°21 | 5°19 | 10°17 | T 7 |
| W 8 | 23 38 19 | 22°39'18 | 8♓46 | 24°43 | 26°35 | 28°42 | 19°40 | 22°31 | 24° 2 | 23°55 | 4°43 | 25°55 | 24°17 | 5°26 | 10°20 | W 8 |
| T 9 | 23 42 16 | 23°38'08 | 22°44 | 26°29 | 27°47 | 29°24 | 19°46 | 22°36 | 24° 4 | 23°54 | 4°42 | 25°47 | 24°14 | 5°32 | 10°23 | T 9 |
| F 10 | 23 46 12 | 24°37'00 | 6♈26 | 28°14 | 29° 0 | 0♐ 6 | 19°52 | 22°41 | 24° 6 | 23°52 | 4°41 | 25°38 | 24°11 | 5°39 | 10°26 | F 10 |
| S 11 | 23 50 9 | 25°35'53 | 19°50 | 29°59 | 0♏12 | 0°48 | 19°58 | 22°46 | 24° 8 | 23°50 | 4°41 | 25°27 | 24° 8 | 5°46 | 10°29 | S 11 |
| S 12 | 23 54 6 | 26°34'49 | 2♉54 | 1♎43 | 1°24 | 1°30 | 20° 4 | 22°50 | 24°11 | 23°49 | 4°40 | 25°18 | 24° 5 | 5°52 | 10°32 | S 12 |
| M13 | 23 58 2 | 27°33'48 | 15°37 | 3°25 | 2°36 | 2°12 | 20°11 | 22°55 | 24°13 | 23°47 | 4°39 | 25° 9 | 24° 2 | 5°59 | 10°36 | M13 |
| T 14 | 0 1 59 | 28°32'48 | 28° 0 | 5° 7 | 3°49 | 2°54 | 20°17 | 23° 0 | 24°15 | 23°45 | 4°38 | 25° 2 | 23°58 | 6° 5 | 10°39 | T 14 |
| W15 | 0 5 55 | 29°31'51 | 10♊ 8 | 6°48 | 5° 1 | 3°36 | 20°24 | 23° 5 | 24°17 | 23°44 | 4°37 | 24°58 | 23°55 | 6°12 | 10°43 | W15 |
| T 16 | 0 9 52 | 0♎30'56 | 22° 5 | 8°28 | 6°13 | 4°18 | 20°31 | 23°11 | 24°19 | 23°42 | 4°36 | 24°56 | 23°52 | 6°19 | 10°46 | T 16 |
| F 17 | 0 13 48 | 1°30'04 | 3♋55 | 10° 7 | 7°25 | 5° 1 | 20°38 | 23°16 | 24°21 | 23°40 | 4°35 | 24°D56 | 23°49 | 6°25 | 10°50 | F 17 |
| S 18 | 0 17 45 | 2°29'14 | 15°43 | 11°46 | 8°37 | 5°43 | 20°45 | 23°21 | 24°23 | 23°39 | 4°34 | 24°56 | 23°46 | 6°32 | 10°53 | S 18 |
| S 19 | 0 21 41 | 3°28'26 | 27°36 | 13°23 | 9°49 | 6°26 | 20°52 | 23°26 | 24°24 | 23°37 | 4°34 | 24°R56 | 23°43 | 6°39 | 10°57 | S 19 |
| M20 | 0 25 38 | 4°27'41 | 9♌38 | 15° 0 | 11° 1 | 7° 9 | 20°59 | 23°32 | 24°26 | 23°35 | 4°33 | 24°55 | 23°39 | 6°45 | 11° 1 | M20 |
| T 21 | 0 29 35 | 5°26'57 | 21°54 | 16°36 | 12°13 | 7°52 | 21° 7 | 23°37 | 24°28 | 23°34 | 4°32 | 24°52 | 23°36 | 6°52 | 11° 5 | T 21 |
| W22 | 0 33 31 | 6°26'16 | 4♍28 | 18°11 | 13°25 | 8°34 | 21°15 | 23°43 | 24°30 | 23°32 | 4°31 | 24°46 | 23°33 | 6°59 | 11° 9 | W22 |
| T 23 | 0 37 28 | 7°25'38 | 17°21 | 19°46 | 14°37 | 9°18 | 21°23 | 23°48 | 24°31 | 23°31 | 4°30 | 24°38 | 23°30 | 7° 5 | 11°13 | T 23 |
| F 24 | 0 41 24 | 8°25'01 | 0♎34 | 21°20 | 15°49 | 10° 1 | 21°31 | 23°54 | 24°33 | 23°29 | 4°29 | 24°27 | 23°27 | 7°12 | 11°17 | F 24 |
| S 25 | 0 45 21 | 9°24'27 | 14° 7 | 22°53 | 17° 1 | 10°44 | 21°39 | 23°59 | 24°34 | 23°27 | 4°28 | 24°15 | 23°23 | 7°19 | 11°22 | S 25 |
| S 26 | 0 49 17 | 10°23'54 | 27°56 | 24°25 | 18°13 | 11°27 | 21°47 | 24° 5 | 24°36 | 23°26 | 4°27 | 24° 3 | 23°20 | 7°25 | 11°26 | S 26 |
| M27 | 0 53 14 | 11°23'24 | 11♏56 | 25°57 | 19°25 | 12°11 | 21°55 | 24°11 | 24°37 | 23°24 | 4°26 | 23°52 | 23°17 | 7°32 | 11°30 | M27 |
| T 28 | 0 57 10 | 12°22'55 | 26° 5 | 27°28 | 20°36 | 12°54 | 22° 4 | 24°17 | 24°39 | 23°23 | 4°25 | 23°43 | 23°14 | 7°39 | 11°35 | T 28 |
| W29 | 1 1 7 | 13°22'29 | 10♐16 | 28°58 | 21°48 | 13°38 | 22°12 | 24°22 | 24°40 | 23°21 | 4°24 | 23°37 | 23°11 | 7°45 | 11°39 | W29 |
| T 30 | 1 5 4 | 14♎22'04 | 24♐27 | 0♏28 | 23♏ 0 | 14♐21 | 22♐21 | 24♏28 | 24♋41 | 23♓20 | 4♉23 | 23♋34 | 23♋ 8 | 7♋52 | 11♐44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n37 | 15s55 | 4n17 | 8n44 | 1n45 | 6s59 | 0n10 | 20s10 | 1s24 | 22s59 | 0n 6 | 16s31 | 1n53 | 21n54 | 0n29 | 3s39 | 1s26 | 2s 7 | 16s12 | 21n 0 | 21n16 | 21n40 | 16s47 | 5n18 |
| T 2 | 5 14 | 19 3 | 3 29 | 7 59 | 1 43 | 7 29 | 0 7 | 20 20 | 1 24 | 22 59 | 0 5 | 16 32 | 1 53 | 21 54 | 0 29 | 3 40 | 1 26 | 2 8 | 16 12 | 21 1 | 21 16 | 21 41 | 16 47 | 5 18 |
| F 3 | 4 51 | 21 3 | 2 27 | 7 13 | 1 40 | 7 59 | 0 4 | 20 31 | 1 24 | 23 0 | 0 5 | 16 34 | 1 52 | 21 53 | 0 29 | 3 41 | 1 26 | 2 8 | 16 12 | 21 1 | 21 17 | 21 42 | 16 48 | 5 18 |
| S 4 | 4 28 | 21 44 | 1 16 | 6 27 | 1 36 | 8 29 | 0 1 | 20 41 | 1 25 | 23 0 | 0 5 | 16 35 | 1 52 | 21 53 | 0 29 | 3 41 | 1 26 | 2 8 | 16 12 | 21 0 | 21 18 | 21 42 | 16 49 | 5 17 |
| S 5 | 4 5 | 21 0 | 0s 0 | 5 40 | 1 33 | 8 59 | 0s 2 | 20 51 | 1 25 | 23 1 | 0 5 | 16 36 | 1 52 | 21 53 | 0 29 | 3 42 | 1 26 | 2 9 | 16 13 | 21 0 | 21 18 | 21 43 | 16 50 | 5 17 |
| M 6 | 3 42 | 18 55 | 1 16 | 4 53 | 1 28 | 9 29 | 0 5 | 21 1 | 1 25 | 23 1 | 0 5 | 16 38 | 1 52 | 21 52 | 0 29 | 3 43 | 1 26 | 2 9 | 16 13 | 21 0 | 21 19 | 21 43 | 16 50 | 5 17 |
| T 7 | 3 19 | 15 40 | 2 27 | 4 6 | 1 24 | 9 59 | 0 9 | 21 11 | 1 26 | 23 2 | 0 5 | 16 39 | 1 51 | 21 52 | 0 29 | 3 43 | 1 26 | 2 10 | 16 13 | 21 1 | 21 19 | 21 44 | 16 51 | 5 16 |
| W 8 | 2 55 | 11 31 | 3 28 | 3 19 | 1 19 | 10 28 | 0 12 | 21 20 | 1 26 | 23 2 | 0 5 | 16 40 | 1 51 | 21 51 | 0 29 | 3 44 | 1 26 | 2 10 | 16 13 | 21 2 | 21 20 | 21 45 | 16 52 | 5 16 |
| T 9 | 2 32 | 6 48 | 4 16 | 2 32 | 1 14 | 10 57 | 0 15 | 21 30 | 1 26 | 23 3 | 0 5 | 16 42 | 1 51 | 21 51 | 0 29 | 3 45 | 1 26 | 2 11 | 16 13 | 21 4 | 21 20 | 21 45 | 16 53 | 5 16 |
| F 10 | 2 9 | 1 50 | 4 48 | 1 45 | 1 8 | 11 26 | 0 18 | 21 39 | 1 27 | 23 4 | 0 4 | 16 43 | 1 51 | 21 51 | 0 29 | 3 45 | 1 26 | 2 11 | 16 14 | 21 5 | 21 21 | 21 46 | 16 53 | 5 15 |
| S 11 | 1 45 | 3n 7 | 5 3 | 0 58 | 1 3 | 11 55 | 0 21 | 21 48 | 1 27 | 23 4 | 0 4 | 16 44 | 1 51 | 21 50 | 0 29 | 3 46 | 1 26 | 2 12 | 16 14 | 21 7 | 21 21 | 21 46 | 16 54 | 5 15 |
| S 12 | 1 22 | 7 47 | 5 2 | 0 11 | 0 57 | 12 23 | 0 25 | 21 57 | 1 27 | 23 5 | 0 4 | 16 46 | 1 51 | 21 50 | 0 29 | 3 47 | 1 26 | 2 12 | 16 14 | 21 9 | 21 22 | 21 47 | 16 55 | 5 15 |
| M13 | 0 58 | 12 1 | 4 45 | 0s35 | 0 51 | 12 51 | 0 28 | 22 6 | 1 27 | 23 5 | 0 4 | 16 47 | 1 50 | 21 50 | 0 29 | 3 47 | 1 26 | 2 12 | 16 14 | 21 11 | 21 23 | 21 47 | 16 56 | 5 14 |
| T 14 | 0 35 | 15 37 | 4 16 | 1 21 | 0 45 | 13 19 | 0 31 | 22 14 | 1 28 | 23 6 | 0 4 | 16 49 | 1 50 | 21 49 | 0 29 | 3 48 | 1 26 | 2 13 | 16 14 | 21 12 | 21 23 | 21 48 | 16 56 | 5 14 |
| W15 | 0 11 | 18 30 | 3 35 | 2 7 | 0 38 | 13 47 | 0 35 | 22 23 | 1 28 | 23 7 | 0 4 | 16 50 | 1 50 | 21 49 | 0 29 | 3 49 | 1 26 | 2 13 | 16 15 | 21 13 | 21 24 | 21 48 | 16 57 | 5 14 |
| T 16 | 0s12 | 20 31 | 2 46 | 2 53 | 0 32 | 14 14 | 0 38 | 22 31 | 1 28 | 23 7 | 0 4 | 16 52 | 1 50 | 21 49 | 0 30 | 3 49 | 1 26 | 2 14 | 16 15 | 21 13 | 21 24 | 21 49 | 16 58 | 5 13 |
| F 17 | 0 36 | 21 38 | 1 50 | 3 38 | 0 25 | 14 41 | 0 41 | 22 39 | 1 28 | 23 8 | 0 4 | 16 53 | 1 50 | 21 48 | 0 30 | 3 50 | 1 26 | 2 14 | 16 15 | 21 13 | 21 25 | 21 49 | 16 59 | 5 13 |
| S 18 | 1 0 | 21 47 | 0 49 | 4 23 | 0 18 | 15 8 | 0 44 | 22 47 | 1 28 | 23 8 | 0 3 | 16 54 | 1 49 | 21 48 | 0 30 | 3 51 | 1 26 | 2 15 | 16 15 | 21 13 | 21 25 | 21 50 | 17 0 | 5 13 |
| S 19 | 1 23 | 20 57 | 0n14 | 5 7 | 0 12 | 15 34 | 0 48 | 22 55 | 1 29 | 23 9 | 0 3 | 16 56 | 1 49 | 21 48 | 0 30 | 3 51 | 1 26 | 2 15 | 16 15 | 21 13 | 21 26 | 21 50 | 17 0 | 5 12 |
| M20 | 1 47 | 19 9 | 1 17 | 5 51 | 0 5 | 16 0 | 0 51 | 23 2 | 1 29 | 23 10 | 0 3 | 16 57 | 1 49 | 21 47 | 0 30 | 3 52 | 1 26 | 2 16 | 16 15 | 21 13 | 21 26 | 21 51 | 17 1 | 5 12 |
| T 21 | 2 10 | 16 26 | 2 18 | 6 35 | 0s 2 | 16 25 | 0 54 | 23 9 | 1 29 | 23 10 | 0 3 | 16 59 | 1 49 | 21 47 | 0 30 | 3 53 | 1 26 | 2 16 | 16 15 | 21 14 | 21 27 | 21 52 | 17 2 | 5 12 |
| W22 | 2 34 | 12 55 | 3 14 | 7 18 | 0 9 | 16 50 | 0 58 | 23 16 | 1 29 | 23 11 | 0 3 | 17 1 | 1 49 | 21 47 | 0 30 | 3 53 | 1 26 | 2 16 | 16 16 | 21 15 | 21 28 | 21 52 | 17 3 | 5 11 |
| T 23 | 2 57 | 8 42 | 4 1 | 8 0 | 0 16 | 17 15 | 1 1 | 23 23 | 1 29 | 23 12 | 0 3 | 17 2 | 1 49 | 21 47 | 0 30 | 3 54 | 1 26 | 2 17 | 16 16 | 21 16 | 21 28 | 21 53 | 17 4 | 5 11 |
| F 24 | 3 21 | 3 59 | 4 36 | 8 42 | 0 23 | 17 39 | 1 4 | 23 30 | 1 29 | 23 12 | 0 3 | 17 4 | 1 48 | 21 46 | 0 30 | 3 54 | 1 26 | 2 17 | 16 16 | 21 18 | 21 29 | 21 53 | 17 5 | 5 11 |
| S 25 | 3 44 | 1s 2 | 4 57 | 9 24 | 0 30 | 18 3 | 1 7 | 23 36 | 1 30 | 23 13 | 0 3 | 17 5 | 1 48 | 21 46 | 0 30 | 3 55 | 1 26 | 2 18 | 16 16 | 21 20 | 21 29 | 21 53 | 17 5 | 5 11 |
| S 26 | 4 8 | 6 6 | 5 0 | 10 4 | 0 37 | 18 27 | 1 11 | 23 43 | 1 30 | 23 13 | 0 2 | 17 7 | 1 48 | 21 46 | 0 30 | 3 56 | 1 26 | 2 18 | 16 16 | 21 22 | 21 30 | 21 54 | 17 6 | 5 10 |
| M27 | 4 31 | 10 55 | 4 47 | 10 44 | 0 44 | 18 50 | 1 14 | 23 49 | 1 30 | 23 14 | 0 2 | 17 8 | 1 48 | 21 46 | 0 30 | 3 56 | 1 26 | 2 19 | 16 16 | 21 24 | 21 30 | 21 54 | 17 7 | 5 10 |
| T 28 | 4 55 | 15 12 | 4 15 | 11 24 | 0 51 | 19 12 | 1 17 | 23 54 | 1 30 | 23 15 | 0 2 | 17 10 | 1 48 | 21 45 | 0 30 | 3 57 | 1 26 | 2 19 | 16 16 | 21 26 | 21 31 | 21 55 | 17 8 | 5 10 |
| W29 | 5 18 | 18 38 | 3 28 | 12 3 | 0 58 | 19 34 | 1 20 | 24 0 | 1 30 | 23 15 | 0 2 | 17 11 | 1 48 | 21 45 | 0 30 | 3 58 | 1 26 | 2 20 | 16 16 | 21 27 | 21 31 | 21 55 | 17 9 | 5 10 |
| T 30 | 5s41 | 20s57 | 2n27 | 12s41 | 1s 5 | 19s56 | 1s24 | 24s 5 | 1s30 | 23s16 | 0n 2 | 17s13 | 1n47 | 21n45 | 0n30 | 3s58 | 1s26 | 2s20 | 16s17 | 21n27 | 21n32 | 21n56 | 17s10 | 5n 9 |

Julian Day Number = 2220597.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'12, Lahiri = 15°02'13 Julian Calendar 1 Sept. 1367 == Greg. Calendar 9 Sept. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## OCTOBER 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 9 0 | 15♎21'41 | 8♑36 | 1♏57 | 24♏11 | 15♐ 5 | 22♐30 | 24♏34 | 24♋43 | 23°R18 | 4°R21 | 23°R33 | 23♋ 4 | 7♋59 | 11♐48 | F 1 |
| S 2 | 1 12 57 | 16°21'20 | 22°41 | 3°25 | 25°23 | 15°49 | 22°39 | 24°40 | 24°44 | 23♓17 | 4♉20 | 23♋33 | 23° 1 | 8° 5 | 11°53 | S 2 |
| S 3 | 1 16 53 | 17°21'01 | 6♒42 | 4°53 | 26°35 | 16°33 | 22°48 | 24°46 | 24°45 | 23°15 | 4°19 | 23°33 | 22°58 | 8°12 | 11°58 | S 3 |
| M 4 | 1 20 50 | 18°20'43 | 20°38 | 6°19 | 27°46 | 17°17 | 22°57 | 24°53 | 24°46 | 23°14 | 4°18 | 23°31 | 22°55 | 8°19 | 12° 2 | M 4 |
| T 5 | 1 24 46 | 19°20'27 | 4♓28 | 7°46 | 28°57 | 18° 1 | 23° 7 | 24°59 | 24°47 | 23°12 | 4°17 | 23°26 | 22°52 | 8°25 | 12° 7 | T 5 |
| W 6 | 1 28 43 | 20°20'12 | 18°10 | 9°11 | 0♐ 9 | 18°45 | 23°16 | 25° 5 | 24°48 | 23°11 | 4°16 | 23°19 | 22°49 | 8°32 | 12°12 | W 6 |
| T 7 | 1 32 39 | 21°20'00 | 1♈43 | 10°35 | 1°20 | 19°29 | 23°26 | 25°11 | 24°49 | 23° 9 | 4°15 | 23° 8 | 22°45 | 8°38 | 12°17 | T 7 |
| F 8 | 1 36 36 | 22°19'49 | 15° 4 | 11°59 | 2°31 | 20°14 | 23°36 | 25°17 | 24°50 | 23° 8 | 4°14 | 22°56 | 22°42 | 8°45 | 12°22 | F 8 |
| S 9 | 1 40 32 | 23°19'40 | 28°11 | 13°22 | 3°42 | 20°58 | 23°46 | 25°24 | 24°51 | 23° 6 | 4°13 | 22°42 | 22°39 | 8°52 | 12°27 | S 9 |
| S 10 | 1 44 29 | 24°19'34 | 11♉ 2 | 14°44 | 4°53 | 21°42 | 23°55 | 25°30 | 24°51 | 23° 5 | 4°12 | 22°29 | 22°36 | 8°58 | 12°32 | S 10 |
| M11 | 1 48 26 | 25°19'29 | 23°37 | 16° 5 | 6° 5 | 22°27 | 24° 6 | 25°36 | 24°52 | 23° 4 | 4°11 | 22°17 | 22°33 | 9° 5 | 12°38 | M11 |
| T 12 | 1 52 22 | 26°19'27 | 5♊56 | 17°25 | 7°16 | 23°12 | 24°16 | 25°43 | 24°53 | 23° 2 | 4° 9 | 22° 8 | 22°29 | 9°12 | 12°43 | T 12 |
| W13 | 1 56 19 | 27°19'26 | 18° 1 | 18°44 | 8°26 | 23°56 | 24°26 | 25°49 | 24°53 | 23° 1 | 4° 8 | 22° 1 | 22°26 | 9°18 | 12°48 | W13 |
| T 14 | 2 0 15 | 28°19'28 | 29°56 | 20° 1 | 9°37 | 24°41 | 24°36 | 25°56 | 24°54 | 23° 0 | 4° 7 | 21°57 | 22°23 | 9°25 | 12°54 | T 14 |
| F 15 | 2 4 12 | 29°19'32 | 11♋44 | 21°18 | 10°48 | 25°26 | 24°47 | 26° 2 | 24°54 | 22°59 | 4° 6 | 21°56 | 22°20 | 9°32 | 12°59 | F 15 |
| S 16 | 2 8 8 | 0♏19'38 | 23°32 | 22°32 | 11°59 | 26°11 | 24°57 | 26° 9 | 24°55 | 22°57 | 4° 5 | 21°D55 | 22°17 | 9°38 | 13° 4 | S 16 |
| S 17 | 2 12 5 | 1°19'47 | 5♌23 | 23°45 | 13° 9 | 26°55 | 25° 8 | 26°16 | 24°55 | 22°56 | 4° 4 | 21°R55 | 22°14 | 9°45 | 13°10 | S 17 |
| M18 | 2 16 1 | 2°19'57 | 17°25 | 24°57 | 14°20 | 27°40 | 25°19 | 26°22 | 24°56 | 22°55 | 4° 3 | 21°55 | 22°10 | 9°52 | 13°15 | M18 |
| T 19 | 2 19 58 | 3°20'09 | 29°42 | 26° 6 | 15°31 | 28°26 | 25°30 | 26°29 | 24°56 | 22°54 | 4° 2 | 21°52 | 22° 7 | 9°58 | 13°21 | T 19 |
| W20 | 2 23 55 | 4°20'24 | 12♍19 | 27°14 | 16°41 | 29°11 | 25°41 | 26°36 | 24°56 | 22°53 | 4° 0 | 21°47 | 22° 4 | 10° 5 | 13°27 | W20 |
| T 21 | 2 27 51 | 5°20'40 | 25°19 | 28°18 | 17°51 | 29°56 | 25°52 | 26°42 | 24°56 | 22°51 | 3°59 | 21°39 | 22° 1 | 10°12 | 13°32 | T 21 |
| F 22 | 2 31 48 | 6°20'59 | 8♎45 | 29°20 | 19° 2 | 0♑41 | 26° 3 | 26°49 | 24°56 | 22°50 | 3°58 | 21°29 | 21°58 | 10°18 | 13°38 | F 22 |
| S 23 | 2 35 44 | 7°21'19 | 22°34 | 0♐19 | 20°12 | 1°26 | 26°14 | 26°56 | 24°R56 | 22°49 | 3°57 | 21°17 | 21°54 | 10°25 | 13°44 | S 23 |
| S 24 | 2 39 41 | 8°21'41 | 6♏45 | 1°15 | 21°22 | 2°12 | 26°26 | 27° 3 | 24°56 | 22°48 | 3°56 | 21° 5 | 21°51 | 10°31 | 13°50 | S 24 |
| M25 | 2 43 37 | 9°22'05 | 21°12 | 2° 6 | 22°32 | 2°57 | 26°37 | 27°10 | 24°56 | 22°47 | 3°55 | 20°54 | 21°48 | 10°38 | 13°56 | M25 |
| T 26 | 2 47 34 | 10°22'31 | 5♐47 | 2°53 | 23°42 | 3°43 | 26°49 | 27°16 | 24°56 | 22°46 | 3°54 | 20°45 | 21°45 | 10°45 | 14° 1 | T 26 |
| W27 | 2 51 30 | 11°22'58 | 20°25 | 3°35 | 24°52 | 4°28 | 27° 0 | 27°23 | 24°56 | 22°45 | 3°53 | 20°39 | 21°42 | 10°51 | 14° 7 | W27 |
| T 28 | 2 55 27 | 12°23'27 | 4♑57 | 4°12 | 26° 2 | 5°14 | 27°12 | 27°30 | 24°56 | 22°44 | 3°51 | 20°36 | 21°39 | 10°58 | 14°13 | T 28 |
| F 29 | 2 59 24 | 13°23'57 | 19°21 | 4°42 | 27°11 | 6° 0 | 27°24 | 27°37 | 24°55 | 22°43 | 3°50 | 20°D35 | 21°35 | 11° 5 | 14°19 | F 29 |
| S 30 | 3 3 20 | 14°24'29 | 3♒33 | 5° 6 | 28°21 | 6°45 | 27°36 | 27°44 | 24°55 | 22°42 | 3°49 | 20°36 | 21°32 | 11°11 | 14°25 | S 30 |
| S 31 | 3 7 17 | 15♏25'01 | 17♒32 | 5♐22 | 29♐30 | 7♑31 | 27♐47 | 27♏51 | 24♋55 | 22♓41 | 3♉48 | 20°R36 | 21♋29 | 11♋18 | 14♐31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 6s 4 | 21s56 | 1n18 | 13s18 | 1s11 | 20s17 | 1s27 | 24s11 | 1s30 | 23s17 | 0n 2 | 17s15 | 1n47 | 21n45 | 0n30 | 3s59 | 1s26 | 2s20 | 16s17 | 21n28 | 21n32 | 21n56 | 17s10 | 5n 9 | F 1 |
| S 2 | 6 27 | 21 32 | 0 5 | 13 55 | 1 18 | 20 38 | 1 30 | 24 15 | 1 30 | 23 17 | 0 2 | 17 16 | 1 47 | 21 45 | 0 30 | 3 59 | 1 26 | 2 21 | 16 17 | 21 28 | 21 33 | 21 57 | 17 11 | 5 9 | S 2 |
| S 3 | 6 50 | 19 46 | 1s 9 | 14 31 | 1 24 | 20 58 | 1 33 | 24 20 | 1 30 | 23 18 | 0 2 | 17 18 | 1 47 | 21 45 | 0 30 | 4 0 | 1 26 | 2 21 | 16 17 | 21 28 | 21 33 | 21 57 | 17 12 | 5 9 | S 3 |
| M 4 | 7 13 | 16 50 | 2 18 | 15 6 | 1 31 | 21 17 | 1 36 | 24 24 | 1 30 | 23 18 | 0 2 | 17 19 | 1 47 | 21 44 | 0 30 | 4 0 | 1 26 | 2 22 | 16 17 | 21 28 | 21 34 | 21 58 | 17 13 | 5 8 | M 4 |
| T 5 | 7 36 | 12 59 | 3 18 | 15 41 | 1 37 | 21 36 | 1 39 | 24 29 | 1 30 | 23 19 | 0 1 | 17 21 | 1 47 | 21 44 | 0 30 | 4 1 | 1 26 | 2 22 | 16 17 | 21 29 | 21 35 | 21 58 | 17 14 | 5 8 | T 5 |
| W 6 | 7 58 | 8 28 | 4 6 | 16 14 | 1 43 | 21 55 | 1 42 | 24 33 | 1 30 | 23 20 | 0 1 | 17 23 | 1 47 | 21 44 | 0 30 | 4 2 | 1 26 | 2 22 | 16 17 | 21 30 | 21 35 | 21 59 | 17 15 | 5 8 | W 6 |
| T 7 | 8 21 | 3 35 | 4 40 | 16 47 | 1 49 | 22 12 | 1 45 | 24 36 | 1 30 | 23 20 | 0 1 | 17 24 | 1 46 | 21 44 | 0 30 | 4 2 | 1 26 | 2 23 | 16 17 | 21 32 | 21 36 | 21 59 | 17 16 | 5 8 | T 7 |
| F 8 | 8 43 | 1n23 | 4 57 | 17 18 | 1 55 | 22 30 | 1 48 | 24 40 | 1 30 | 23 21 | 0 1 | 17 26 | 1 46 | 21 44 | 0 30 | 4 3 | 1 26 | 2 23 | 16 17 | 21 34 | 21 36 | 21 59 | 17 16 | 5 7 | F 8 |
| S 9 | 9 6 | 6 13 | 4 59 | 17 49 | 2 1 | 22 46 | 1 51 | 24 43 | 1 30 | 23 21 | 0 1 | 17 28 | 1 46 | 21 44 | 0 30 | 4 3 | 1 26 | 2 24 | 16 17 | 21 36 | 21 37 | 22 0 | 17 17 | 5 7 | S 9 |
| S 10 | 9 28 | 10 41 | 4 45 | 18 19 | 2 6 | 23 2 | 1 53 | 24 46 | 1 30 | 23 22 | 0 1 | 17 29 | 1 46 | 21 44 | 0 30 | 4 4 | 1 26 | 2 24 | 16 17 | 21 38 | 21 37 | 22 0 | 17 18 | 5 7 | S 10 |
| M11 | 9 50 | 14 35 | 4 17 | 18 48 | 2 11 | 23 18 | 1 56 | 24 48 | 1 30 | 23 23 | 0 1 | 17 31 | 1 46 | 21 44 | 0 30 | 4 4 | 1 26 | 2 24 | 16 17 | 21 40 | 21 38 | 22 1 | 17 19 | 5 7 | M11 |
| T 12 | 10 12 | 17 48 | 3 38 | 19 16 | 2 16 | 23 33 | 1 59 | 24 51 | 1 30 | 23 23 | 0 1 | 17 32 | 1 46 | 21 43 | 0 30 | 4 5 | 1 26 | 2 25 | 16 17 | 21 42 | 21 38 | 22 1 | 17 20 | 5 7 | T 12 |
| W13 | 10 33 | 20 10 | 2 49 | 19 43 | 2 21 | 23 47 | 2 1 | 24 53 | 1 30 | 23 24 | 0 1 | 17 34 | 1 46 | 21 43 | 0 30 | 4 5 | 1 25 | 2 25 | 16 17 | 21 43 | 21 39 | 22 1 | 17 21 | 5 6 | W13 |
| T 14 | 10 55 | 21 37 | 1 54 | 20 8 | 2 25 | 24 1 | 2 4 | 24 55 | 1 30 | 23 24 | 0 0 | 17 36 | 1 45 | 21 43 | 0 30 | 4 6 | 1 25 | 2 26 | 16 17 | 21 43 | 21 39 | 22 2 | 17 22 | 5 6 | T 14 |
| F 15 | 11 16 | 22 6 | 0 54 | 20 33 | 2 29 | 24 14 | 2 6 | 24 56 | 1 30 | 23 25 | 0 0 | 17 37 | 1 45 | 21 43 | 0 31 | 4 6 | 1 25 | 2 26 | 16 17 | 21 44 | 21 40 | 22 2 | 17 22 | 5 6 | F 15 |
| S 16 | 11 38 | 21 36 | 0n 9 | 20 56 | 2 33 | 24 26 | 2 9 | 24 58 | 1 30 | 23 25 | 0 0 | 17 39 | 1 45 | 21 43 | 0 31 | 4 7 | 1 25 | 2 26 | 16 17 | 21 44 | 21 40 | 22 3 | 17 23 | 5 6 | S 16 |
| S 17 | 11 59 | 20 8 | 1 11 | 21 18 | 2 36 | 24 38 | 2 11 | 24 59 | 1 30 | 23 26 | 0 0 | 17 41 | 1 45 | 21 43 | 0 31 | 4 7 | 1 25 | 2 27 | 16 17 | 21 44 | 21 41 | 22 3 | 17 24 | 5 6 | S 17 |
| M18 | 12 19 | 17 45 | 2 11 | 21 38 | 2 39 | 24 49 | 2 14 | 25 0 | 1 30 | 23 26 | 0s 0 | 17 42 | 1 45 | 21 43 | 0 31 | 4 8 | 1 25 | 2 27 | 16 17 | 21 44 | 21 41 | 22 3 | 17 25 | 5 5 | M18 |
| T 19 | 12 40 | 14 31 | 3 6 | 21 58 | 2 42 | 24 59 | 2 16 | 25 0 | 1 30 | 23 27 | 0 0 | 17 44 | 1 45 | 21 43 | 0 31 | 4 8 | 1 25 | 2 27 | 16 17 | 21 44 | 21 42 | 22 4 | 17 26 | 5 5 | T 19 |
| W20 | 13 1 | 10 34 | 3 54 | 22 15 | 2 44 | 25 8 | 2 18 | 25 1 | 1 30 | 23 27 | 0 0 | 17 46 | 1 45 | 21 43 | 0 31 | 4 9 | 1 25 | 2 28 | 16 17 | 21 45 | 21 42 | 22 4 | 17 27 | 5 5 | W20 |
| T 21 | 13 21 | 6 0 | 4 31 | 22 32 | 2 45 | 25 17 | 2 20 | 25 1 | 1 30 | 23 28 | 0 0 | 17 47 | 1 45 | 21 43 | 0 31 | 4 9 | 1 25 | 2 28 | 16 17 | 21 46 | 21 43 | 22 4 | 17 27 | 5 5 | T 21 |
| F 22 | 13 41 | 1 2 | 4 54 | 22 46 | 2 46 | 25 26 | 2 22 | 25 1 | 1 29 | 23 28 | 0 0 | 17 49 | 1 45 | 21 43 | 0 31 | 4 9 | 1 25 | 2 28 | 16 17 | 21 48 | 21 43 | 22 5 | 17 28 | 5 5 | F 22 |
| S 23 | 14 1 | 4s 9 | 5 2 | 22 59 | 2 46 | 25 33 | 2 24 | 25 0 | 1 29 | 23 29 | 0 1 | 17 51 | 1 45 | 21 43 | 0 31 | 4 10 | 1 25 | 2 29 | 16 17 | 21 50 | 21 44 | 22 5 | 17 29 | 5 5 | S 23 |
| S 24 | 14 20 | 9 14 | 4 51 | 23 10 | 2 45 | 25 40 | 2 26 | 24 59 | 1 29 | 23 29 | 0 1 | 17 52 | 1 44 | 21 43 | 0 31 | 4 10 | 1 25 | 2 29 | 16 17 | 21 52 | 21 44 | 22 5 | 17 30 | 5 5 | S 24 |
| M25 | 14 40 | 13 55 | 4 21 | 23 20 | 2 44 | 25 46 | 2 28 | 24 58 | 1 29 | 23 29 | 0 1 | 17 54 | 1 44 | 21 43 | 0 31 | 4 11 | 1 25 | 2 29 | 16 17 | 21 53 | 21 45 | 22 6 | 17 31 | 5 4 | M25 |
| T 26 | 14 59 | 17 50 | 3 34 | 23 27 | 2 42 | 25 52 | 2 29 | 24 57 | 1 29 | 23 30 | 0 1 | 17 56 | 1 44 | 21 43 | 0 31 | 4 11 | 1 25 | 2 30 | 16 17 | 21 55 | 21 45 | 22 6 | 17 31 | 5 4 | T 26 |
| W27 | 15 18 | 20 38 | 2 33 | 23 32 | 2 39 | 25 56 | 2 31 | 24 55 | 1 29 | 23 30 | 0 1 | 17 57 | 1 44 | 21 43 | 0 31 | 4 11 | 1 25 | 2 30 | 16 17 | 21 56 | 21 46 | 22 6 | 17 32 | 5 4 | W27 |
| T 28 | 15 36 | 22 3 | 1 22 | 23 35 | 2 34 | 26 0 | 2 33 | 24 53 | 1 28 | 23 30 | 0 1 | 17 59 | 1 44 | 21 43 | 0 31 | 4 12 | 1 25 | 2 30 | 16 17 | 21 56 | 21 46 | 22 7 | 17 33 | 5 4 | T 28 |
| F 29 | 15 55 | 22 1 | 0 7 | 23 36 | 2 29 | 26 3 | 2 34 | 24 51 | 1 28 | 23 31 | 0 1 | 18 0 | 1 44 | 21 44 | 0 31 | 4 12 | 1 25 | 2 30 | 16 17 | 21 56 | 21 47 | 22 7 | 17 34 | 5 4 | F 29 |
| S 30 | 16 13 | 20 32 | 1s 9 | 23 34 | 2 23 | 26 6 | 2 35 | 24 49 | 1 28 | 23 31 | 0 1 | 18 2 | 1 44 | 21 44 | 0 31 | 4 12 | 1 25 | 2 31 | 16 17 | 21 56 | 21 47 | 22 7 | 17 35 | 5 4 | S 30 |
| S 31 | 16s31 | 17s50 | 2s18 | 23s29 | 2s15 | 26s 8 | 2s37 | 24s46 | 1s28 | 23s31 | 0s 1 | 18s 4 | 1n44 | 21n44 | 0n31 | 4s13 | 1s25 | 2s31 | 16s17 | 21n56 | 21n48 | 22n 8 | 17s35 | 5n 4 | S 31 |

Julian Day Number = 2220627.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'16, Lahiri = 15°02'17 Julian Calendar 1 Oct. 1367 == Greg. Calendar 9 Oct. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## NOVEMBER 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 11 13 | 16♏25'35 | 1♓18 | 5°R29 | 0♑40 | 8♑17 | 27♐59 | 27♏58 | 24°R54 | 22°R41 | 3°R47 | 20°R35 | 21♋26 | 11♋25 | 14♐38 | M 1 |
| T 2 | 3 15 10 | 17°26'10 | 14°51 | 5♐28 | 1°49 | 9° 3 | 28°12 | 28° 5 | 24♋54 | 22♓30 | 3♉46 | 20♋32 | 21°23 | 11°31 | 14°44 | T 2 |
| W 3 | 3 19 6 | 18°26'46 | 28°12 | 5°16 | 2°58 | 9°49 | 28°24 | 28°12 | 24°53 | 22°39 | 3°45 | 20°26 | 21°20 | 11°38 | 14°50 | W 3 |
| T 4 | 3 23 3 | 19°27'24 | 11♈22 | 4°55 | 4° 7 | 10°34 | 28°36 | 28°19 | 24°53 | 22°38 | 3°44 | 20°18 | 21°16 | 11°45 | 14°56 | T 4 |
| F 5 | 3 26 59 | 20°28'03 | 24°19 | 4°23 | 5°16 | 11°20 | 28°48 | 28°26 | 24°52 | 22°38 | 3°43 | 20° 7 | 21°13 | 11°51 | 15° 2 | F 5 |
| S 6 | 3 30 56 | 21°28'43 | 7♉ 5 | 3°40 | 6°25 | 12° 6 | 29° 1 | 28°33 | 24°51 | 22°37 | 3°42 | 19°56 | 21°10 | 11°58 | 15° 9 | S 6 |
| S 7 | 3 34 53 | 22°29'25 | 19°38 | 2°46 | 7°33 | 12°53 | 29°13 | 28°40 | 24°50 | 22°36 | 3°41 | 19°45 | 21° 7 | 12° 5 | 15°15 | S 7 |
| M 8 | 3 38 49 | 23°30'07 | 2♊ 0 | 1°44 | 8°41 | 13°39 | 29°26 | 28°47 | 24°50 | 22°36 | 3°40 | 19°35 | 21° 4 | 12°11 | 15°21 | M 8 |
| T 9 | 3 42 46 | 24°30'52 | 14° 9 | 0°33 | 9°50 | 14°25 | 29°38 | 28°54 | 24°49 | 22°35 | 3°38 | 19°27 | 21° 0 | 12°18 | 15°27 | T 9 |
| W10 | 3 46 42 | 25°31'38 | 26° 9 | 29♏16 | 10°58 | 15°11 | 29°51 | 29° 1 | 24°48 | 22°35 | 3°37 | 19°22 | 20°57 | 12°24 | 15°34 | W10 |
| T 11 | 3 50 39 | 26°32'25 | 8♋ 1 | 27°54 | 12° 6 | 15°57 | 0♑ 3 | 29° 8 | 24°47 | 22°34 | 3°36 | 19°19 | 20°54 | 12°31 | 15°40 | T 11 |
| F 12 | 3 54 35 | 27°33'13 | 19°48 | 26°32 | 13°14 | 16°43 | 0°16 | 29°15 | 24°46 | 22°33 | 3°35 | 19°D18 | 20°51 | 12°38 | 15°47 | F 12 |
| S 13 | 3 58 32 | 28°34'04 | 1♌34 | 25°11 | 14°21 | 17°30 | 0°29 | 29°22 | 24°45 | 22°33 | 3°34 | 19°19 | 20°48 | 12°44 | 15°53 | S 13 |
| S 14 | 4 2 28 | 29°34'55 | 13°25 | 23°54 | 15°29 | 18°16 | 0°42 | 29°29 | 24°44 | 22°33 | 3°33 | 19°20 | 20°45 | 12°51 | 15°59 | S 14 |
| M15 | 4 6 25 | 0♐35'48 | 25°24 | 22°44 | 16°36 | 19° 2 | 0°55 | 29°37 | 24°43 | 22°32 | 3°32 | 19°R21 | 20°41 | 12°58 | 16° 6 | M15 |
| T 16 | 4 10 22 | 1°36'42 | 7♍38 | 21°42 | 17°43 | 19°49 | 1° 8 | 29°44 | 24°41 | 22°32 | 3°31 | 19°21 | 20°38 | 13° 4 | 16°12 | T 16 |
| W17 | 4 14 18 | 2°37'38 | 20°12 | 20°50 | 18°50 | 20°35 | 1°21 | 29°51 | 24°40 | 22°32 | 3°30 | 19°19 | 20°35 | 13°11 | 16°19 | W17 |
| T 18 | 4 18 15 | 3°38'35 | 3♎10 | 20°10 | 19°57 | 21°22 | 1°34 | 29°58 | 24°39 | 22°31 | 3°29 | 19°16 | 20°32 | 13°18 | 16°25 | T 18 |
| F 19 | 4 22 11 | 4°39'33 | 16°35 | 19°41 | 21° 3 | 22° 8 | 1°47 | 0♐ 5 | 24°37 | 22°31 | 3°28 | 19°10 | 20°29 | 13°24 | 16°32 | F 19 |
| S 20 | 4 26 8 | 5°40'32 | 0♏28 | 19°23 | 22° 9 | 22°55 | 2° 0 | 0°12 | 24°36 | 22°31 | 3°28 | 19° 3 | 20°26 | 13°31 | 16°38 | S 20 |
| S 21 | 4 30 4 | 6°41'33 | 14°48 | 19°D16 | 23°16 | 23°41 | 2°13 | 0°19 | 24°34 | 22°31 | 3°27 | 18°56 | 20°22 | 13°38 | 16°45 | S 21 |
| M22 | 4 34 1 | 7°42'35 | 29°29 | 19°20 | 24°21 | 24°28 | 2°27 | 0°26 | 24°33 | 22°30 | 3°26 | 18°49 | 20°19 | 13°44 | 16°52 | M22 |
| T 23 | 4 37 57 | 8°43'38 | 14♐24 | 19°33 | 25°27 | 25°14 | 2°40 | 0°33 | 24°31 | 22°30 | 3°25 | 18°44 | 20°16 | 13°51 | 16°58 | T 23 |
| W24 | 4 41 54 | 9°44'41 | 29°26 | 19°56 | 26°32 | 26° 1 | 2°53 | 0°40 | 24°30 | 22°30 | 3°24 | 18°41 | 20°13 | 13°58 | 17° 5 | W24 |
| T 25 | 4 45 51 | 10°45'46 | 14♑24 | 20°26 | 27°38 | 26°48 | 3° 7 | 0°47 | 24°28 | 22°30 | 3°23 | 18°D39 | 20°10 | 14° 4 | 17°11 | T 25 |
| F 26 | 4 49 47 | 11°46'51 | 29°10 | 21° 3 | 28°43 | 27°34 | 3°20 | 0°54 | 24°26 | 22°D30 | 3°22 | 18°40 | 20° 6 | 14°11 | 17°18 | F 26 |
| S 27 | 4 53 44 | 12°47'56 | 13♒41 | 21°47 | 29°47 | 28°21 | 3°34 | 1° 1 | 24°25 | 22°30 | 3°21 | 18°41 | 20° 3 | 14°17 | 17°24 | S 27 |
| S 28 | 4 57 40 | 13°49'02 | 27°51 | 22°37 | 0♒52 | 29° 8 | 3°47 | 1° 8 | 24°23 | 22°30 | 3°21 | 18°42 | 20° 0 | 14°24 | 17°31 | S 28 |
| M29 | 5 1 37 | 14°50'08 | 11♓41 | 23°31 | 1°56 | 29°55 | 4° 1 | 1°15 | 24°21 | 22°30 | 3°20 | 18°R43 | 19°57 | 14°31 | 17°38 | M29 |
| T 30 | 5 5 33 | 15♐51'14 | 25♓11 | 24♏30 | 2♒59 | 0♒41 | 4♑14 | 1♐22 | 24♋19 | 22♓30 | 3♉19 | 18♋43 | 19♋54 | 14♋37 | 17♐44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s48 | 14s 9 | 3s19 | 23s21 | 2s 6 | 26s 9 | 2s38 | 24s43 | 1s28 | 23s32 | 0s 1 | 18s 5 | 1n44 | 21n44 | 0n31 | 4s13 | 1s25 | 2s31 | 16s17 | 21n56 | 21n48 | 22n 8 | 17s36 | 5n 4 |
| T 2 | 17 6 | 9 47 | 4 8 | 23 10 | 1 55 | 26 9 | 2 39 | 24 40 | 1 27 | 23 32 | 0 2 | 18 7 | 1 44 | 21 44 | 0 31 | 4 13 | 1 25 | 2 32 | 16 17 | 21 57 | 21 49 | 22 8 | 17 37 | 5 4 |
| W 3 | 17 23 | 5 1 | 4 42 | 22 56 | 1 43 | 26 9 | 2 40 | 24 36 | 1 27 | 23 32 | 0 2 | 18 9 | 1 44 | 21 44 | 0 31 | 4 13 | 1 25 | 2 32 | 16 16 | 21 58 | 21 49 | 22 9 | 17 38 | 5 4 |
| T 4 | 17 39 | 0 6 | 5 1 | 22 39 | 1 29 | 26 8 | 2 40 | 24 33 | 1 27 | 23 33 | 0 2 | 18 10 | 1 43 | 21 44 | 0 31 | 4 14 | 1 25 | 2 32 | 16 16 | 21 59 | 21 50 | 22 9 | 17 38 | 5 4 |
| F 5 | 17 56 | 4n45 | 5 3 | 22 18 | 1 13 | 26 6 | 2 41 | 24 28 | 1 27 | 23 33 | 0 2 | 18 12 | 1 43 | 21 44 | 0 31 | 4 14 | 1 25 | 2 32 | 16 16 | 22 0 | 21 50 | 22 9 | 17 39 | 5 3 |
| S 6 | 18 12 | 9 20 | 4 51 | 21 53 | 0 57 | 26 3 | 2 42 | 24 24 | 1 26 | 23 33 | 0 2 | 18 13 | 1 43 | 21 45 | 0 31 | 4 14 | 1 25 | 2 32 | 16 16 | 22 2 | 21 51 | 22 9 | 17 40 | 5 3 |
| S 7 | 18 27 | 13 28 | 4 24 | 21 25 | 0 38 | 26 0 | 2 42 | 24 19 | 1 26 | 23 33 | 0 2 | 18 15 | 1 43 | 21 45 | 0 31 | 4 14 | 1 25 | 2 33 | 16 16 | 22 4 | 21 51 | 22 10 | 17 40 | 5 3 |
| M 8 | 18 43 | 16 57 | 3 46 | 20 53 | 0 19 | 25 56 | 2 43 | 24 15 | 1 26 | 23 33 | 0 2 | 18 17 | 1 43 | 21 45 | 0 31 | 4 15 | 1 25 | 2 33 | 16 16 | 22 5 | 21 52 | 22 10 | 17 41 | 5 3 |
| T 9 | 18 58 | 19 39 | 2 57 | 20 19 | 0n 1 | 25 52 | 2 43 | 24 9 | 1 26 | 23 33 | 0 2 | 18 18 | 1 43 | 21 45 | 0 31 | 4 15 | 1 25 | 2 33 | 16 16 | 22 6 | 21 52 | 22 10 | 17 42 | 5 3 |
| W10 | 19 12 | 21 27 | 2 1 | 19 42 | 0 22 | 25 46 | 2 43 | 24 4 | 1 25 | 23 34 | 0 2 | 18 20 | 1 43 | 21 45 | 0 31 | 4 15 | 1 25 | 2 33 | 16 16 | 22 7 | 21 53 | 22 11 | 17 43 | 5 3 |
| T 11 | 19 27 | 22 16 | 1 1 | 19 4 | 0 42 | 25 40 | 2 43 | 23 58 | 1 25 | 23 34 | 0 2 | 18 21 | 1 43 | 21 46 | 0 31 | 4 15 | 1 25 | 2 33 | 16 15 | 22 7 | 21 53 | 22 11 | 17 43 | 5 3 |
| F 12 | 19 41 | 22 6 | 0n 3 | 18 26 | 1 2 | 25 34 | 2 43 | 23 52 | 1 25 | 23 34 | 0 3 | 18 23 | 1 43 | 21 46 | 0 31 | 4 15 | 1 25 | 2 34 | 16 15 | 22 8 | 21 54 | 22 11 | 17 44 | 5 3 |
| S 13 | 19 54 | 20 57 | 1 6 | 17 49 | 1 21 | 25 26 | 2 43 | 23 46 | 1 24 | 23 34 | 0 3 | 18 25 | 1 43 | 21 46 | 0 32 | 4 16 | 1 25 | 2 34 | 16 15 | 22 7 | 21 54 | 22 11 | 17 45 | 5 3 |
| S 14 | 20 8 | 18 52 | 2 7 | 17 13 | 1 38 | 25 18 | 2 42 | 23 40 | 1 24 | 23 34 | 0 3 | 18 26 | 1 43 | 21 46 | 0 32 | 4 16 | 1 25 | 2 34 | 16 15 | 22 7 | 21 55 | 22 12 | 17 45 | 5 3 |
| M15 | 20 21 | 15 58 | 3 3 | 16 41 | 1 54 | 25 10 | 2 42 | 23 33 | 1 24 | 23 34 | 0 3 | 18 28 | 1 43 | 21 46 | 0 32 | 4 16 | 1 24 | 2 34 | 16 15 | 22 7 | 21 55 | 22 12 | 17 46 | 5 3 |
| T 16 | 20 33 | 12 19 | 3 51 | 16 12 | 2 7 | 25 0 | 2 41 | 23 26 | 1 23 | 23 34 | 0 3 | 18 29 | 1 43 | 21 47 | 0 32 | 4 16 | 1 24 | 2 34 | 16 15 | 22 7 | 21 56 | 22 12 | 17 47 | 5 3 |
| W17 | 20 45 | 8 2 | 4 31 | 15 48 | 2 19 | 24 50 | 2 40 | 23 18 | 1 23 | 23 34 | 0 3 | 18 31 | 1 43 | 21 47 | 0 32 | 4 16 | 1 24 | 2 34 | 16 14 | 22 7 | 21 56 | 22 12 | 17 47 | 5 3 |
| T 18 | 20 57 | 3 17 | 4 57 | 15 28 | 2 28 | 24 40 | 2 39 | 23 11 | 1 23 | 23 34 | 0 3 | 18 32 | 1 43 | 21 47 | 0 32 | 4 16 | 1 24 | 2 35 | 16 14 | 22 8 | 21 57 | 22 12 | 17 48 | 5 3 |
| F 19 | 21 8 | 1s47 | 5 9 | 15 14 | 2 35 | 24 28 | 2 38 | 23 3 | 1 22 | 23 34 | 0 3 | 18 34 | 1 43 | 21 48 | 0 32 | 4 16 | 1 24 | 2 35 | 16 14 | 22 9 | 21 57 | 22 13 | 17 48 | 5 3 |
| S 20 | 21 19 | 6 56 | 5 3 | 15 5 | 2 39 | 24 16 | 2 37 | 22 55 | 1 22 | 23 34 | 0 3 | 18 35 | 1 43 | 21 48 | 0 32 | 4 16 | 1 24 | 2 35 | 16 14 | 22 10 | 21 58 | 22 13 | 17 49 | 5 3 |
| S 21 | 21 30 | 11 53 | 4 39 | 15 0 | 2 42 | 24 4 | 2 36 | 22 47 | 1 22 | 23 34 | 0 3 | 18 37 | 1 43 | 21 48 | 0 32 | 4 16 | 1 24 | 2 35 | 16 14 | 22 11 | 21 58 | 22 13 | 17 50 | 5 3 |
| M22 | 21 40 | 16 16 | 3 56 | 14 59 | 2 44 | 23 51 | 2 34 | 22 38 | 1 21 | 23 33 | 0 4 | 18 38 | 1 43 | 21 48 | 0 32 | 4 16 | 1 24 | 2 35 | 16 13 | 22 12 | 21 59 | 22 13 | 17 50 | 5 3 |
| T 23 | 21 50 | 19 42 | 2 55 | 15 3 | 2 44 | 23 37 | 2 33 | 22 29 | 1 21 | 23 33 | 0 4 | 18 40 | 1 43 | 21 49 | 0 32 | 4 16 | 1 24 | 2 35 | 16 13 | 22 12 | 21 59 | 22 13 | 17 51 | 5 3 |
| W24 | 21 59 | 21 48 | 1 43 | 15 11 | 2 42 | 23 23 | 2 31 | 22 20 | 1 21 | 23 33 | 0 4 | 18 41 | 1 43 | 21 49 | 0 32 | 4 16 | 1 24 | 2 35 | 16 13 | 22 13 | 22 0 | 22 14 | 17 51 | 5 4 |
| T 25 | 22 8 | 22 21 | 0 23 | 15 21 | 2 40 | 23 8 | 2 29 | 22 11 | 1 20 | 23 33 | 0 4 | 18 43 | 1 43 | 21 49 | 0 32 | 4 16 | 1 24 | 2 35 | 16 13 | 22 13 | 22 0 | 22 14 | 17 52 | 5 4 |
| F 26 | 22 17 | 21 19 | 0s57 | 15 34 | 2 36 | 22 53 | 2 27 | 22 1 | 1 20 | 23 33 | 0 4 | 18 44 | 1 43 | 21 50 | 0 32 | 4 16 | 1 24 | 2 35 | 16 12 | 22 13 | 22 1 | 22 14 | 17 52 | 5 4 |
| S 27 | 22 25 | 18 53 | 2 12 | 15 50 | 2 32 | 22 37 | 2 25 | 21 51 | 1 19 | 23 32 | 0 4 | 18 46 | 1 43 | 21 50 | 0 32 | 4 16 | 1 24 | 2 35 | 16 12 | 22 13 | 22 1 | 22 14 | 17 53 | 5 4 |
| S 28 | 22 32 | 15 21 | 3 18 | 16 7 | 2 27 | 22 21 | 2 22 | 21 41 | 1 19 | 23 32 | 0 4 | 18 47 | 1 43 | 21 50 | 0 32 | 4 16 | 1 24 | 2 35 | 16 12 | 22 13 | 22 1 | 22 14 | 17 53 | 5 4 |
| M29 | 22 39 | 11 3 | 4 10 | 16 27 | 2 21 | 22 4 | 2 20 | 21 31 | 1 18 | 23 32 | 0 4 | 18 48 | 1 42 | 21 51 | 0 32 | 4 16 | 1 24 | 2 35 | 16 12 | 22 12 | 22 2 | 22 14 | 17 54 | 5 4 |
| T 30 | 22s46 | 6s18 | 4s47 | 16s47 | 2n15 | 21s47 | 2s17 | 21s20 | 1s18 | 23s31 | 0s 4 | 18s50 | 1n42 | 21n51 | 0n32 | 4s16 | 1s24 | 2s35 | 16s12 | 22n12 | 22n 2 | 22n15 | 17s54 | 5n 4 |

Julian Day Number = 2220658.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'21, Lahiri = 15°02'21 Julian Calendar 1 Nov. 1367 == Greg. Calendar 9 Nov. 1367


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# ASTRODIENST EPHEMERIS for the year 1367
# geocentric

## DECEMBER 1367 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 9 30 | 16♐52'21 | 8♈22 | 25♏33 | 4♒ 3 | 1♒28 | 4♑28 | 1♐29 | 24°R17 | 22♓31 | 3°R18 | 18°R41 | 19♋51 | 14♋44 | 17♐51 | W 1 |
| T 2 | 5 13 27 | 17°53'28 | 21°16 | 26°39 | 5° 6 | 2°15 | 4°42 | 1°36 | 24♋16 | 22°31 | 3♉17 | 18♋38 | 19°47 | 14°51 | 17°57 | T 2 |
| F 3 | 5 17 23 | 18°54'35 | 3♉56 | 27°48 | 6° 9 | 3° 2 | 4°55 | 1°43 | 24°14 | 22°31 | 3°17 | 18°33 | 19°44 | 14°57 | 18° 4 | F 3 |
| S 4 | 5 21 20 | 19°55'43 | 16°24 | 29° 0 | 7°11 | 3°49 | 5° 9 | 1°49 | 24°12 | 22°31 | 3°16 | 18°28 | 19°41 | 15° 4 | 18°11 | S 4 |
| S 5 | 5 25 16 | 20°56'51 | 28°40 | 0♐14 | 8°13 | 4°35 | 5°23 | 1°56 | 24°10 | 22°31 | 3°15 | 18°23 | 19°38 | 15°11 | 18°17 | S 5 |
| M 6 | 5 29 13 | 21°58'00 | 10♊47 | 1°30 | 9°15 | 5°22 | 5°37 | 2° 3 | 24° 7 | 22°32 | 3°14 | 18°18 | 19°35 | 15°17 | 18°24 | M 6 |
| T 7 | 5 33 9 | 22°59'08 | 22°46 | 2°48 | 10°16 | 6° 9 | 5°51 | 2°10 | 24° 5 | 22°32 | 3°14 | 18°15 | 19°32 | 15°24 | 18°30 | T 7 |
| W 8 | 5 37 6 | 24° 0'17 | 4♋39 | 4° 7 | 11°17 | 6°56 | 6° 4 | 2°17 | 24° 3 | 22°33 | 3°13 | 18°13 | 19°28 | 15°31 | 18°37 | W 8 |
| T 9 | 5 41 2 | 25° 1'27 | 16°28 | 5°27 | 12°17 | 7°43 | 6°18 | 2°23 | 24° 1 | 22°33 | 3°12 | 18°D12 | 19°25 | 15°37 | 18°44 | T 9 |
| F 10 | 5 44 59 | 26° 2'37 | 28°15 | 6°49 | 13°17 | 8°30 | 6°32 | 2°30 | 23°59 | 22°33 | 3°12 | 18°12 | 19°22 | 15°44 | 18°50 | F 10 |
| S 11 | 5 48 56 | 27° 3'47 | 10♌ 3 | 8°12 | 14°17 | 9°17 | 6°46 | 2°37 | 23°57 | 22°34 | 3°11 | 18°14 | 19°19 | 15°51 | 18°57 | S 11 |
| S 12 | 5 52 52 | 28° 4'57 | 21°55 | 9°36 | 15°16 | 10° 3 | 7° 0 | 2°43 | 23°54 | 22°35 | 3°11 | 18°15 | 19°16 | 15°57 | 19° 3 | S 12 |
| M13 | 5 56 49 | 29° 6'08 | 3♍55 | 11° 1 | 16°15 | 10°50 | 7°14 | 2°50 | 23°52 | 22°35 | 3°10 | 18°17 | 19°12 | 16° 4 | 19°10 | M13 |
| T 14 | 6 0 45 | 0♑ 7'19 | 16° 8 | 12°26 | 17°13 | 11°37 | 7°28 | 2°57 | 23°50 | 22°36 | 3° 9 | 18°18 | 19° 9 | 16°10 | 19°16 | T 14 |
| W15 | 6 4 42 | 1° 8'31 | 28°38 | 13°52 | 18°10 | 12°24 | 7°42 | 3° 3 | 23°47 | 22°36 | 3° 9 | 18°R19 | 19° 6 | 16°17 | 19°23 | W15 |
| T 16 | 6 8 38 | 2° 9'42 | 11♎29 | 15°19 | 19° 7 | 13°11 | 7°56 | 3°10 | 23°45 | 22°37 | 3° 8 | 18°19 | 19° 3 | 16°24 | 19°29 | T 16 |
| F 17 | 6 12 35 | 3°10'54 | 24°46 | 16°47 | 20° 4 | 13°58 | 8°10 | 3°16 | 23°43 | 22°38 | 3° 8 | 18°18 | 19° 0 | 16°30 | 19°36 | F 17 |
| S 18 | 6 16 31 | 4°12'07 | 8♏30 | 18°15 | 21° 0 | 14°45 | 8°24 | 3°22 | 23°40 | 22°38 | 3° 7 | 18°16 | 18°57 | 16°37 | 19°42 | S 18 |
| S 19 | 6 20 28 | 5°13'19 | 22°42 | 19°44 | 21°55 | 15°32 | 8°38 | 3°29 | 23°38 | 22°39 | 3° 7 | 18°14 | 18°53 | 16°44 | 19°48 | S 19 |
| M20 | 6 24 25 | 6°14'32 | 7♐20 | 21°13 | 22°50 | 16°19 | 8°52 | 3°35 | 23°35 | 22°40 | 3° 7 | 18°13 | 18°50 | 16°50 | 19°55 | M20 |
| T 21 | 6 28 21 | 7°15'45 | 22°18 | 22°43 | 23°44 | 17° 6 | 9° 6 | 3°41 | 23°33 | 22°41 | 3° 6 | 18°11 | 18°47 | 16°57 | 20° 1 | T 21 |
| W22 | 6 32 18 | 8°16'57 | 7♑28 | 24°13 | 24°37 | 17°52 | 9°20 | 3°48 | 23°30 | 22°42 | 3° 6 | 18°11 | 18°44 | 17° 4 | 20° 8 | W22 |
| T 23 | 6 36 14 | 9°18'10 | 22°42 | 25°44 | 25°30 | 18°39 | 9°34 | 3°54 | 23°28 | 22°43 | 3° 5 | 18°D11 | 18°41 | 17°10 | 20°14 | T 23 |
| F 24 | 6 40 11 | 10°19'22 | 7♒48 | 27°15 | 26°22 | 19°26 | 9°48 | 4° 0 | 23°25 | 22°44 | 3° 5 | 18°11 | 18°38 | 17°17 | 20°20 | F 24 |
| S 25 | 6 44 7 | 11°20'33 | 22°39 | 28°46 | 27°13 | 20°13 | 10° 2 | 4° 6 | 23°23 | 22°45 | 3° 5 | 18°12 | 18°34 | 17°24 | 20°27 | S 25 |
| S 26 | 6 48 4 | 12°21'44 | 7♓ 9 | 0♑19 | 28° 4 | 21° 0 | 10°16 | 4°12 | 23°20 | 22°46 | 3° 4 | 18°12 | 18°31 | 17°30 | 20°33 | S 26 |
| M27 | 6 52 0 | 13°22'54 | 21°13 | 1°51 | 28°53 | 21°47 | 10°30 | 4°18 | 23°18 | 22°47 | 3° 4 | 18°13 | 18°28 | 17°37 | 20°39 | M27 |
| T 28 | 6 55 57 | 14°24'04 | 4♈51 | 3°24 | 29°42 | 22°34 | 10°44 | 4°24 | 23°15 | 22°48 | 3° 4 | 18°13 | 18°25 | 17°43 | 20°45 | T 28 |
| W29 | 6 59 54 | 15°25'13 | 18° 4 | 4°58 | 0♓30 | 23°21 | 10°58 | 4°30 | 23°13 | 22°49 | 3° 4 | 18°R13 | 18°22 | 17°50 | 20°51 | W29 |
| T 30 | 7 3 50 | 16°26'20 | 0♉55 | 6°32 | 1°17 | 24° 7 | 11°12 | 4°36 | 23°10 | 22°50 | 3° 3 | 18°13 | 18°18 | 17°57 | 20°57 | T 30 |
| F 31 | 7 7 47 | 17♑27'28 | 13♉27 | 8♑ 6 | 2♓ 3 | 24♒54 | 11♑26 | 4♐42 | 23♋ 7 | 22♓51 | 3♉ 3 | 18♋13 | 18♋15 | 18♋ 3 | 21♐ 4 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22s52 | 1s23 | 5s 8 | 17s 8 | 2n 8 | 21s29 | 2s14 | 21s10 | 1s18 | 23s31 | 0s 4 | 18s51 | 1n42 | 21n51 | 0n32 | 4s16 | 1s24 | 2s35 | 16s11 | 22n13 | 22n 3 | 22n15 | 17s55 | 5n 4 | W 1 |
| T 2 | 22 58 | 3n30 | 5 13 | 17 31 | 2 1 | 21 10 | 2 11 | 20 59 | 1 17 | 23 31 | 0 4 | 18 53 | 1 42 | 21 52 | 0 32 | 4 16 | 1 24 | 2 35 | 16 11 | 22 13 | 22 3 | 22 15 | 17 55 | 5 4 | T 2 |
| F 3 | 23 3 | 8 8 | 5 2 | 17 53 | 1 54 | 20 52 | 2 8 | 20 47 | 1 17 | 23 30 | 0 5 | 18 54 | 1 42 | 21 52 | 0 32 | 4 16 | 1 24 | 2 35 | 16 11 | 22 14 | 22 4 | 22 15 | 17 56 | 5 4 | F 3 |
| S 4 | 23 8 | 12 22 | 4 37 | 18 16 | 1 46 | 20 33 | 2 4 | 20 36 | 1 16 | 23 30 | 0 5 | 18 55 | 1 42 | 21 52 | 0 32 | 4 16 | 1 24 | 2 35 | 16 10 | 22 15 | 22 4 | 22 15 | 17 56 | 5 4 | S 4 |
| S 5 | 23 13 | 16 2 | 3 59 | 18 40 | 1 39 | 20 13 | 2 1 | 20 24 | 1 16 | 23 29 | 0 5 | 18 57 | 1 42 | 21 53 | 0 32 | 4 15 | 1 24 | 2 35 | 16 10 | 22 15 | 22 5 | 22 15 | 17 57 | 5 5 | S 5 |
| M 6 | 23 17 | 18 59 | 3 12 | 19 3 | 1 31 | 19 53 | 1 57 | 20 12 | 1 15 | 23 29 | 0 5 | 18 58 | 1 42 | 21 53 | 0 32 | 4 15 | 1 24 | 2 35 | 16 10 | 22 16 | 22 5 | 22 15 | 17 57 | 5 5 | M 6 |
| T 7 | 23 20 | 21 4 | 2 16 | 19 26 | 1 23 | 19 33 | 1 53 | 20 0 | 1 15 | 23 28 | 0 5 | 18 59 | 1 42 | 21 54 | 0 32 | 4 15 | 1 24 | 2 35 | 16 10 | 22 16 | 22 6 | 22 16 | 17 57 | 5 5 | T 7 |
| W 8 | 23 23 | 22 12 | 1 14 | 19 49 | 1 15 | 19 12 | 1 49 | 19 48 | 1 14 | 23 28 | 0 5 | 19 1 | 1 42 | 21 54 | 0 32 | 4 15 | 1 24 | 2 35 | 16 9 | 22 17 | 22 6 | 22 16 | 17 58 | 5 5 | W 8 |
| T 9 | 23 26 | 22 21 | 0 10 | 20 11 | 1 7 | 18 51 | 1 45 | 19 36 | 1 14 | 23 27 | 0 5 | 19 2 | 1 43 | 21 54 | 0 32 | 4 15 | 1 23 | 2 35 | 16 9 | 22 17 | 22 7 | 22 16 | 17 58 | 5 5 | T 9 |
| F 10 | 23 28 | 21 29 | 0n55 | 20 33 | 0 59 | 18 29 | 1 40 | 19 23 | 1 13 | 23 27 | 0 5 | 19 3 | 1 43 | 21 55 | 0 32 | 4 14 | 1 23 | 2 35 | 16 9 | 22 17 | 22 7 | 22 16 | 17 59 | 5 5 | F 10 |
| S 11 | 23 29 | 19 41 | 1 58 | 20 54 | 0 51 | 18 8 | 1 36 | 19 10 | 1 13 | 23 26 | 0 5 | 19 5 | 1 43 | 21 55 | 0 32 | 4 14 | 1 23 | 2 35 | 16 9 | 22 16 | 22 7 | 22 16 | 17 59 | 5 6 | S 11 |
| S 12 | 23 30 | 17 1 | 2 56 | 21 15 | 0 43 | 17 46 | 1 31 | 18 57 | 1 12 | 23 26 | 0 5 | 19 6 | 1 43 | 21 56 | 0 32 | 4 14 | 1 23 | 2 35 | 16 8 | 22 16 | 22 8 | 22 16 | 17 59 | 5 6 | S 12 |
| M13 | 23 31 | 13 37 | 3 47 | 21 35 | 0 36 | 17 23 | 1 26 | 18 43 | 1 12 | 23 25 | 0 6 | 19 7 | 1 43 | 21 56 | 0 32 | 4 14 | 1 23 | 2 35 | 16 8 | 22 16 | 22 8 | 22 16 | 18 0 | 5 6 | M13 |
| T 14 | 23 31 | 9 36 | 4 29 | 21 54 | 0 28 | 17 1 | 1 21 | 18 30 | 1 11 | 23 24 | 0 6 | 19 8 | 1 43 | 21 57 | 0 32 | 4 13 | 1 23 | 2 35 | 16 8 | 22 16 | 22 9 | 22 16 | 18 0 | 5 6 | T 14 |
| W15 | 23 31 | 5 6 | 4 59 | 22 13 | 0 20 | 16 38 | 1 15 | 18 16 | 1 11 | 23 23 | 0 6 | 19 10 | 1 43 | 21 57 | 0 32 | 4 13 | 1 23 | 2 35 | 16 7 | 22 16 | 22 9 | 22 16 | 18 0 | 5 6 | W15 |
| T 16 | 23 30 | 0 16 | 5 15 | 22 30 | 0 12 | 16 15 | 1 10 | 18 2 | 1 10 | 23 23 | 0 6 | 19 11 | 1 43 | 21 57 | 0 32 | 4 13 | 1 23 | 2 35 | 16 7 | 22 16 | 22 10 | 22 16 | 18 1 | 5 6 | T 16 |
| F 17 | 23 29 | 4s44 | 5 15 | 22 47 | 0 5 | 15 51 | 1 4 | 17 48 | 1 10 | 23 22 | 0 6 | 19 12 | 1 43 | 21 58 | 0 32 | 4 12 | 1 23 | 2 34 | 16 7 | 22 16 | 22 10 | 22 16 | 18 1 | 5 7 | F 17 |
| S 18 | 23 27 | 9 41 | 4 58 | 23 2 | 0s 3 | 15 28 | 0 58 | 17 34 | 1 9 | 23 21 | 0 6 | 19 13 | 1 43 | 21 58 | 0 32 | 4 12 | 1 23 | 2 34 | 16 6 | 22 16 | 22 11 | 22 17 | 18 1 | 5 7 | S 18 |
| S 19 | 23 25 | 14 17 | 4 22 | 23 17 | 0 10 | 15 4 | 0 52 | 17 20 | 1 9 | 23 20 | 0 6 | 19 14 | 1 43 | 21 59 | 0 32 | 4 12 | 1 23 | 2 34 | 16 6 | 22 16 | 22 11 | 22 17 | 18 1 | 5 7 | S 19 |
| M20 | 23 22 | 18 11 | 3 28 | 23 31 | 0 17 | 14 40 | 0 46 | 17 5 | 1 8 | 23 20 | 0 6 | 19 16 | 1 43 | 21 59 | 0 32 | 4 11 | 1 23 | 2 34 | 16 6 | 22 17 | 22 11 | 22 17 | 18 2 | 5 7 | M20 |
| T 21 | 23 19 | 20 59 | 2 19 | 23 43 | 0 24 | 14 16 | 0 39 | 16 50 | 1 8 | 23 19 | 0 6 | 19 17 | 1 43 | 22 0 | 0 33 | 4 11 | 1 23 | 2 34 | 16 5 | 22 17 | 22 12 | 22 17 | 18 2 | 5 8 | T 21 |
| W22 | 23 16 | 22 19 | 0 59 | 23 54 | 0 31 | 13 52 | 0 32 | 16 35 | 1 7 | 23 18 | 0 6 | 19 18 | 1 43 | 22 0 | 0 33 | 4 11 | 1 23 | 2 34 | 16 5 | 22 17 | 22 12 | 22 17 | 18 2 | 5 8 | W22 |
| T 23 | 23 12 | 22 1 | 0s25 | 24 4 | 0 37 | 13 28 | 0 25 | 16 20 | 1 6 | 23 17 | 0 7 | 19 19 | 1 43 | 22 0 | 0 33 | 4 10 | 1 23 | 2 33 | 16 5 | 22 17 | 22 13 | 22 17 | 18 2 | 5 8 | T 23 |
| F 24 | 23 7 | 20 6 | 1 47 | 24 13 | 0 44 | 13 3 | 0 18 | 16 5 | 1 6 | 23 16 | 0 7 | 19 20 | 1 43 | 22 1 | 0 33 | 4 10 | 1 23 | 2 33 | 16 4 | 22 17 | 22 13 | 22 17 | 18 2 | 5 8 | F 24 |
| S 25 | 23 2 | 16 51 | 3 0 | 24 21 | 0 50 | 12 39 | 0 11 | 15 50 | 1 5 | 23 15 | 0 7 | 19 21 | 1 43 | 22 1 | 0 33 | 4 9 | 1 23 | 2 33 | 16 4 | 22 17 | 22 14 | 22 17 | 18 3 | 5 9 | S 25 |
| S 26 | 22 57 | 12 38 | 4 0 | 24 28 | 0 56 | 12 14 | 0 3 | 15 34 | 1 5 | 23 14 | 0 7 | 19 22 | 1 43 | 22 2 | 0 33 | 4 9 | 1 23 | 2 33 | 16 4 | 22 17 | 22 14 | 22 17 | 18 3 | 5 9 | S 26 |
| M27 | 22 51 | 7 50 | 4 44 | 24 33 | 1 2 | 11 50 | 0n 5 | 15 18 | 1 4 | 23 13 | 0 7 | 19 23 | 1 43 | 22 2 | 0 33 | 4 9 | 1 23 | 2 33 | 16 3 | 22 17 | 22 15 | 22 17 | 18 3 | 5 9 | M27 |
| T 28 | 22 44 | 2 48 | 5 10 | 24 37 | 1 8 | 11 25 | 0 13 | 15 2 | 1 4 | 23 12 | 0 7 | 19 24 | 1 43 | 22 3 | 0 33 | 4 8 | 1 23 | 2 32 | 16 3 | 22 17 | 22 15 | 22 17 | 18 3 | 5 9 | T 28 |
| W29 | 22 38 | 2n12 | 5 18 | 24 39 | 1 14 | 11 0 | 0 21 | 14 46 | 1 3 | 23 11 | 0 7 | 19 25 | 1 43 | 22 3 | 0 33 | 4 8 | 1 23 | 2 32 | 16 3 | 22 17 | 22 15 | 22 17 | 18 3 | 5 10 | W29 |
| T 30 | 22 30 | 6 59 | 5 10 | 24 40 | 1 19 | 10 36 | 0 29 | 14 30 | 1 2 | 23 10 | 0 7 | 19 26 | 1 43 | 22 4 | 0 33 | 4 7 | 1 23 | 2 32 | 16 2 | 22 17 | 22 16 | 22 17 | 18 3 | 5 10 | T 30 |
| F 31 | 22s23 | 11n21 | 4s48 | 24s40 | 1s24 | 10s11 | 0n38 | 14s14 | 1s 2 | 23s 9 | 0s 7 | 19s27 | 1n43 | 22n 4 | 0n33 | 4s 7 | 1s23 | 2s32 | 16s 2 | 22n17 | 22n16 | 22n17 | 18s 3 | 5n10 | F 31 |

Julian Day Number = 2220688.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'25, Lahiri = 15°02'25 Julian Calendar 1 Dec. 1367 == Greg. Calendar 9 Dec. 1367


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## JANUARY 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 11 43 | 18♑28'34 | 25♉43 | 9♑41 | 2♓48 | 25♒41 | 11♑40 | 4♐48 | 23°R 5 | 22♓52 | 3°R 3 | 18°D13 | 18♋12 | 18♋10 | 21♐10 | S 1 |
| S 2 | 7 15 40 | 19°29'39 | 7♊48 | 11°17 | 3°32 | 26°28 | 11°54 | 4°53 | 23♋ 2 | 22°53 | 3♉ 3 | 18♋13 | 18° 9 | 18°17 | 21°16 | S 2 |
| M 3 | 7 19 36 | 20°30'44 | 19°44 | 12°53 | 4°14 | 27°15 | 12° 8 | 4°59 | 23° 0 | 22°55 | 3° 3 | 18°13 | 18° 6 | 18°23 | 21°22 | M 3 |
| T 4 | 7 23 33 | 21°31'48 | 1♋35 | 14°29 | 4°56 | 28° 1 | 12°22 | 5° 5 | 22°57 | 22°56 | 3° 2 | 18°13 | 18° 3 | 18°30 | 21°28 | T 4 |
| W 5 | 7 27 29 | 22°32'51 | 13°23 | 16° 7 | 5°36 | 28°48 | 12°36 | 5°10 | 22°54 | 22°57 | 3° 2 | 18°R14 | 17°59 | 18°37 | 21°34 | W 5 |
| T 6 | 7 31 26 | 23°33'53 | 25°11 | 17°44 | 6°16 | 29°35 | 12°49 | 5°16 | 22°52 | 22°59 | 3° 2 | 18°14 | 17°56 | 18°43 | 21°39 | T 6 |
| F 7 | 7 35 23 | 24°34'55 | 7♌ 0 | 19°23 | 6°54 | 0♓22 | 13° 3 | 5°21 | 22°49 | 23° 0 | 3° 2 | 18°13 | 17°53 | 18°50 | 21°45 | F 7 |
| S 8 | 7 39 19 | 25°35'55 | 18°53 | 21° 2 | 7°30 | 1° 8 | 13°17 | 5°27 | 22°47 | 23° 1 | 3° 2 | 18°13 | 17°50 | 18°57 | 21°51 | S 8 |
| S 9 | 7 43 16 | 26°36'55 | 0♍52 | 22°42 | 8° 5 | 1°55 | 13°31 | 5°32 | 22°44 | 23° 3 | 3°D 2 | 18°11 | 17°47 | 19° 3 | 21°57 | S 9 |
| M10 | 7 47 12 | 27°37'54 | 13° 0 | 24°22 | 8°39 | 2°42 | 13°45 | 5°37 | 22°41 | 23° 4 | 3° 2 | 18°10 | 17°44 | 19°10 | 22° 3 | M10 |
| T 11 | 7 51 9 | 28°38'52 | 25°18 | 26° 3 | 9°11 | 3°28 | 13°59 | 5°42 | 22°39 | 23° 6 | 3° 2 | 18° 9 | 17°40 | 19°17 | 22° 8 | T 11 |
| W12 | 7 55 5 | 29°39'50 | 7♎50 | 27°44 | 9°42 | 4°15 | 14°13 | 5°47 | 22°36 | 23° 7 | 3° 2 | 18° 7 | 17°37 | 19°23 | 22°14 | W12 |
| T 13 | 7 59 2 | 0♒40'46 | 20°40 | 29°27 | 10°11 | 5° 1 | 14°26 | 5°52 | 22°34 | 23° 9 | 3° 2 | 18° 7 | 17°34 | 19°30 | 22°19 | T 13 |
| F 14 | 8 2 58 | 1°41'42 | 3♏50 | 1♒10 | 10°38 | 5°48 | 14°40 | 5°57 | 22°31 | 23°10 | 3° 2 | 18°D 6 | 17°31 | 19°36 | 22°25 | F 14 |
| S 15 | 8 6 55 | 2°42'38 | 17°22 | 2°53 | 11° 4 | 6°34 | 14°54 | 6° 2 | 22°28 | 23°12 | 3° 3 | 18° 7 | 17°28 | 19°43 | 22°30 | S 15 |
| S 16 | 8 10 52 | 3°43'32 | 1♐20 | 4°38 | 11°28 | 7°21 | 15° 7 | 6° 7 | 22°26 | 23°14 | 3° 3 | 18° 8 | 17°24 | 19°50 | 22°36 | S 16 |
| M17 | 8 14 48 | 4°44'26 | 15°41 | 6°23 | 11°50 | 8° 7 | 15°21 | 6°12 | 22°23 | 23°15 | 3° 3 | 18° 9 | 17°21 | 19°56 | 22°41 | M17 |
| T 18 | 8 18 45 | 5°45'19 | 0♑24 | 8° 8 | 12°10 | 8°54 | 15°35 | 6°17 | 22°21 | 23°17 | 3° 3 | 18°10 | 17°18 | 20° 3 | 22°47 | T 18 |
| W19 | 8 22 41 | 6°46'11 | 15°24 | 9°55 | 12°28 | 9°40 | 15°48 | 6°21 | 22°18 | 23°18 | 3° 3 | 18°R11 | 17°15 | 20°10 | 22°52 | W19 |
| T 20 | 8 26 38 | 7°47'01 | 0♒34 | 11°42 | 12°45 | 10°27 | 16° 2 | 6°26 | 22°16 | 23°20 | 3° 4 | 18°10 | 17°12 | 20°16 | 22°57 | T 20 |
| F 21 | 8 30 34 | 8°47'51 | 15°43 | 13°29 | 12°59 | 11°13 | 16°15 | 6°30 | 22°13 | 23°22 | 3° 4 | 18° 9 | 17° 9 | 20°23 | 23° 2 | F 21 |
| S 22 | 8 34 31 | 9°48'39 | 0♓44 | 15°17 | 13°10 | 12° 0 | 16°29 | 6°35 | 22°11 | 23°24 | 3° 4 | 18° 7 | 17° 5 | 20°30 | 23° 7 | S 22 |
| S 23 | 8 38 28 | 10°49'25 | 15°26 | 17° 6 | 13°20 | 12°46 | 16°42 | 6°39 | 22° 8 | 23°25 | 3° 4 | 18° 3 | 17° 2 | 20°36 | 23°13 | S 23 |
| M24 | 8 42 24 | 11°50'10 | 29°44 | 18°55 | 13°27 | 13°32 | 16°56 | 6°43 | 22° 6 | 23°27 | 3° 5 | 18° 0 | 16°59 | 20°43 | 23°18 | M24 |
| T 25 | 8 46 21 | 12°50'54 | 13♈34 | 20°44 | 13°32 | 14°19 | 17° 9 | 6°47 | 22° 3 | 23°29 | 3° 5 | 17°57 | 16°56 | 20°50 | 23°22 | T 25 |
| W26 | 8 50 17 | 13°51'35 | 26°56 | 22°33 | 13°35 | 15° 5 | 17°23 | 6°51 | 22° 1 | 23°31 | 3° 5 | 17°55 | 16°53 | 20°56 | 23°27 | W26 |
| T 27 | 8 54 14 | 14°52'15 | 9♉51 | 24°23 | 13°R35 | 15°51 | 17°36 | 6°55 | 21°59 | 23°33 | 3° 6 | 17°D54 | 16°50 | 21° 3 | 23°32 | T 27 |
| F 28 | 8 58 10 | 15°52'53 | 22°24 | 26°12 | 13°33 | 16°37 | 17°49 | 6°59 | 21°56 | 23°35 | 3° 6 | 17°54 | 16°46 | 21° 9 | 23°37 | F 28 |
| S 29 | 9 2 7 | 16°53'30 | 4♊38 | 28° 1 | 13°28 | 17°23 | 18° 2 | 7° 3 | 21°54 | 23°37 | 3° 7 | 17°55 | 16°43 | 21°16 | 23°42 | S 29 |
| S 30 | 9 6 3 | 17°54'05 | 16°38 | 29°49 | 13°20 | 18° 9 | 18°15 | 7° 7 | 21°52 | 23°38 | 3° 7 | 17°57 | 16°40 | 21°23 | 23°46 | S 30 |
| M31 | 9 10 0 | 18♒54'37 | 28♊30 | 1♓36 | 13♓10 | 18♓56 | 18♑28 | 7♐11 | 21♋49 | 23♓40 | 3♉ 7 | 17♋58 | 16♋37 | 21♋29 | 23♐51 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s14 | 15n10 | 4s13 | 24s38 | 1s29 | 9s47 | 0n47 | 13s58 | 1s 1 | 23s 8 | 0s 7 | 19s28 | 1n43 | 22n 5 | 0n33 | 4s 6 | 1s23 | 2s31 | 16s 2 | 22n17 | 22n17 | 22n17 | 18s 3 | 5n11 | S 1 |
| S 2 | 22 6 | 18 17 | 3 27 | 24 35 | 1 33 | 9 23 | 0 56 | 13 41 | 1 1 | 23 7 | 0 8 | 19 29 | 1 43 | 22 5 | 0 33 | 4 6 | 1 23 | 2 31 | 16 1 | 22 17 | 22 17 | 22 17 | 18 4 | 5 11 | S 2 |
| M 3 | 21 57 | 20 36 | 2 32 | 24 31 | 1 37 | 8 59 | 1 5 | 13 24 | 1 0 | 23 5 | 0 8 | 19 30 | 1 44 | 22 5 | 0 33 | 4 5 | 1 23 | 2 31 | 16 1 | 22 17 | 22 18 | 22 17 | 18 4 | 5 11 | M 3 |
| T 4 | 21 48 | 21 59 | 1 31 | 24 25 | 1 41 | 8 34 | 1 15 | 13 8 | 0 59 | 23 4 | 0 8 | 19 31 | 1 44 | 22 6 | 0 33 | 4 5 | 1 22 | 2 31 | 16 1 | 22 17 | 22 18 | 22 17 | 18 4 | 5 12 | T 4 |
| W 5 | 21 38 | 22 24 | 0 27 | 24 17 | 1 45 | 8 11 | 1 25 | 12 51 | 0 59 | 23 3 | 0 8 | 19 32 | 1 44 | 22 6 | 0 33 | 4 4 | 1 22 | 2 30 | 16 0 | 22 16 | 22 18 | 22 17 | 18 4 | 5 12 | W 5 |
| T 6 | 21 27 | 21 48 | 0n39 | 24 8 | 1 49 | 7 47 | 1 35 | 12 34 | 0 58 | 23 2 | 0 8 | 19 33 | 1 44 | 22 7 | 0 33 | 4 3 | 1 22 | 2 30 | 16 0 | 22 17 | 22 19 | 22 17 | 18 4 | 5 12 | T 6 |
| F 7 | 21 17 | 20 14 | 1 43 | 23 57 | 1 52 | 7 23 | 1 45 | 12 17 | 0 58 | 23 1 | 0 8 | 19 34 | 1 44 | 22 7 | 0 33 | 4 3 | 1 22 | 2 30 | 16 0 | 22 17 | 22 19 | 22 17 | 18 4 | 5 13 | F 7 |
| S 8 | 21 6 | 17 47 | 2 42 | 23 45 | 1 55 | 7 0 | 1 55 | 12 0 | 0 57 | 22 59 | 0 8 | 19 35 | 1 44 | 22 8 | 0 33 | 4 2 | 1 22 | 2 29 | 15 59 | 22 17 | 22 20 | 22 17 | 18 4 | 5 13 | S 8 |
| S 9 | 20 54 | 14 33 | 3 36 | 23 32 | 1 57 | 6 37 | 2 6 | 11 42 | 0 56 | 22 58 | 0 8 | 19 36 | 1 44 | 22 8 | 0 33 | 4 2 | 1 22 | 2 29 | 15 59 | 22 17 | 22 20 | 22 16 | 18 4 | 5 13 | S 9 |
| M10 | 20 42 | 10 42 | 4 20 | 23 16 | 1 59 | 6 15 | 2 17 | 11 25 | 0 56 | 22 57 | 0 8 | 19 36 | 1 44 | 22 9 | 0 33 | 4 1 | 1 22 | 2 29 | 15 59 | 22 17 | 22 21 | 22 16 | 18 4 | 5 14 | M10 |
| T 11 | 20 30 | 6 21 | 4 52 | 22 59 | 2 1 | 5 52 | 2 28 | 11 7 | 0 55 | 22 55 | 0 8 | 19 37 | 1 44 | 22 9 | 0 33 | 4 0 | 1 22 | 2 28 | 15 58 | 22 17 | 22 21 | 22 16 | 18 4 | 5 14 | T 11 |
| W12 | 20 17 | 1 39 | 5 12 | 22 41 | 2 2 | 5 30 | 2 39 | 10 50 | 0 54 | 22 54 | 0 9 | 19 38 | 1 44 | 22 9 | 0 33 | 4 0 | 1 22 | 2 28 | 15 58 | 22 17 | 22 21 | 22 16 | 18 4 | 5 15 | W12 |
| T 13 | 20 4 | 3s12 | 5 17 | 22 21 | 2 3 | 5 9 | 2 50 | 10 32 | 0 54 | 22 53 | 0 9 | 19 39 | 1 44 | 22 10 | 0 33 | 3 59 | 1 22 | 2 28 | 15 58 | 22 17 | 22 22 | 22 16 | 18 3 | 5 15 | T 13 |
| F 14 | 19 51 | 8 3 | 5 5 | 21 59 | 2 4 | 4 48 | 3 2 | 10 14 | 0 53 | 22 51 | 0 9 | 19 40 | 1 44 | 22 10 | 0 33 | 3 59 | 1 22 | 2 27 | 15 57 | 22 17 | 22 22 | 22 16 | 18 3 | 5 15 | F 14 |
| S 15 | 19 37 | 12 39 | 4 37 | 21 35 | 2 4 | 4 27 | 3 14 | 9 56 | 0 52 | 22 50 | 0 9 | 19 40 | 1 44 | 22 11 | 0 33 | 3 58 | 1 22 | 2 27 | 15 57 | 22 17 | 22 23 | 22 16 | 18 3 | 5 16 | S 15 |
| S 16 | 19 23 | 16 43 | 3 51 | 21 10 | 2 4 | 4 7 | 3 26 | 9 38 | 0 52 | 22 48 | 0 9 | 19 41 | 1 45 | 22 11 | 0 33 | 3 57 | 1 22 | 2 26 | 15 57 | 22 17 | 22 23 | 22 16 | 18 3 | 5 16 | S 16 |
| M17 | 19 9 | 19 55 | 2 51 | 20 44 | 2 3 | 3 47 | 3 38 | 9 20 | 0 51 | 22 47 | 0 9 | 19 42 | 1 45 | 22 12 | 0 33 | 3 57 | 1 22 | 2 26 | 15 56 | 22 17 | 22 23 | 22 16 | 18 3 | 5 17 | M17 |
| T 18 | 18 54 | 21 54 | 1 37 | 20 15 | 2 2 | 3 28 | 3 50 | 9 2 | 0 50 | 22 46 | 0 9 | 19 43 | 1 45 | 22 12 | 0 33 | 3 56 | 1 22 | 2 26 | 15 56 | 22 17 | 22 24 | 22 16 | 18 3 | 5 17 | T 18 |
| W19 | 18 39 | 22 22 | 0 15 | 19 45 | 2 0 | 3 10 | 4 3 | 8 44 | 0 50 | 22 44 | 0 9 | 19 43 | 1 45 | 22 12 | 0 33 | 3 55 | 1 22 | 2 25 | 15 55 | 22 17 | 22 24 | 22 16 | 18 3 | 5 17 | W19 |
| T 20 | 18 23 | 21 12 | 1s 8 | 19 14 | 1 58 | 2 52 | 4 15 | 8 26 | 0 49 | 22 43 | 0 9 | 19 44 | 1 45 | 22 13 | 0 33 | 3 55 | 1 22 | 2 25 | 15 55 | 22 17 | 22 25 | 22 16 | 18 3 | 5 18 | T 20 |
| F 21 | 18 7 | 18 30 | 2 26 | 18 40 | 1 55 | 2 35 | 4 28 | 8 8 | 0 48 | 22 41 | 0 9 | 19 45 | 1 45 | 22 13 | 0 33 | 3 54 | 1 22 | 2 25 | 15 55 | 22 17 | 22 25 | 22 15 | 18 2 | 5 18 | F 21 |
| S 22 | 17 51 | 14 35 | 3 34 | 18 5 | 1 52 | 2 18 | 4 41 | 7 49 | 0 48 | 22 40 | 0 10 | 19 45 | 1 45 | 22 14 | 0 33 | 3 53 | 1 22 | 2 24 | 15 54 | 22 17 | 22 25 | 22 15 | 18 2 | 5 19 | S 22 |
| S 23 | 17 35 | 9 50 | 4 26 | 17 29 | 1 48 | 2 3 | 4 54 | 7 31 | 0 47 | 22 38 | 0 10 | 19 46 | 1 45 | 22 14 | 0 33 | 3 52 | 1 22 | 2 24 | 15 54 | 22 18 | 22 26 | 22 15 | 18 2 | 5 19 | S 23 |
| M24 | 17 18 | 4 41 | 4 59 | 16 51 | 1 44 | 1 48 | 5 7 | 7 13 | 0 46 | 22 36 | 0 10 | 19 47 | 1 45 | 22 14 | 0 33 | 3 52 | 1 22 | 2 23 | 15 54 | 22 18 | 22 26 | 22 15 | 18 2 | 5 20 | M24 |
| T 25 | 17 1 | 0n33 | 5 14 | 16 11 | 1 39 | 1 34 | 5 20 | 6 54 | 0 46 | 22 35 | 0 10 | 19 47 | 1 45 | 22 15 | 0 33 | 3 51 | 1 22 | 2 23 | 15 53 | 22 19 | 22 27 | 22 15 | 18 2 | 5 20 | T 25 |
| W26 | 16 43 | 5 34 | 5 11 | 15 30 | 1 33 | 1 21 | 5 33 | 6 35 | 0 45 | 22 33 | 0 10 | 19 48 | 1 45 | 22 15 | 0 33 | 3 50 | 1 22 | 2 22 | 15 53 | 22 19 | 22 27 | 22 15 | 18 1 | 5 20 | W26 |
| T 27 | 16 26 | 10 12 | 4 52 | 14 48 | 1 27 | 1 9 | 5 46 | 6 17 | 0 44 | 22 32 | 0 10 | 19 48 | 1 46 | 22 16 | 0 33 | 3 49 | 1 22 | 2 22 | 15 53 | 22 19 | 22 27 | 22 15 | 18 1 | 5 21 | T 27 |
| F 28 | 16 8 | 14 15 | 4 20 | 14 5 | 1 20 | 0 58 | 5 59 | 5 58 | 0 44 | 22 30 | 0 10 | 19 49 | 1 46 | 22 16 | 0 33 | 3 49 | 1 22 | 2 21 | 15 52 | 22 19 | 22 28 | 22 14 | 18 1 | 5 21 | F 28 |
| S 29 | 15 50 | 17 36 | 3 36 | 13 20 | 1 12 | 0 48 | 6 12 | 5 40 | 0 43 | 22 28 | 0 10 | 19 49 | 1 46 | 22 16 | 0 33 | 3 48 | 1 22 | 2 21 | 15 52 | 22 19 | 22 28 | 22 14 | 18 1 | 5 22 | S 29 |
| S 30 | 15 31 | 20 8 | 2 44 | 12 34 | 1 4 | 0 39 | 6 24 | 5 21 | 0 42 | 22 27 | 0 10 | 19 50 | 1 46 | 22 17 | 0 33 | 3 47 | 1 22 | 2 21 | 15 52 | 22 19 | 22 29 | 22 14 | 18 0 | 5 22 | S 30 |
| M31 | 15s12 | 21n46 | 1s45 | 11s47 | 0s55 | 0s32 | 6n37 | 5s 2 | 0s42 | 22s25 | 0s11 | 19s50 | 1n46 | 22n17 | 0n33 | 3s46 | 1s22 | 2s20 | 15s51 | 22n19 | 22n29 | 22n14 | 18s 0 | 5n23 | M31 |

Julian Day Number = 2220719.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'29, Lahiri = 15°02'29 Julian Calendar 1 Jan. 1368 == Greg. Calendar 9 Jan. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## FEBRUARY 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 13 57 | 19♒55'09 | 10♋17 | 3♓22 | 12°R58 | 19♓42 | 18♑41 | 7♐14 | 21°R47 | 23♓42 | 3♉ 8 | 18♋ 0 | 16♋34 | 21♋36 | 23♐55 | T 1 |
| W 2 | 9 17 53 | 20°55'38 | 22° 3 | 5° 6 | 12♓42 | 20°28 | 18°54 | 7°18 | 21♋45 | 23°44 | 3° 8 | 18°R 0 | 16°30 | 21°43 | 24° 0 | W 2 |
| T 3 | 9 21 50 | 21°56'06 | 3♌52 | 6°48 | 12°25 | 21°14 | 19° 7 | 7°21 | 21°43 | 23°46 | 3° 9 | 17°59 | 16°27 | 21°49 | 24° 4 | T 3 |
| F 4 | 9 25 46 | 22°56'32 | 15°47 | 8°28 | 12° 5 | 21°59 | 19°20 | 7°24 | 21°41 | 23°48 | 3°10 | 17°55 | 16°24 | 21°56 | 24° 9 | F 4 |
| S 5 | 9 29 43 | 23°56'56 | 27°49 | 10° 4 | 11°43 | 22°45 | 19°33 | 7°28 | 21°39 | 23°50 | 3°10 | 17°51 | 16°21 | 22° 3 | 24°13 | S 5 |
| S 6 | 9 33 39 | 24°57'18 | 10♍ 0 | 11°37 | 11°18 | 23°31 | 19°46 | 7°31 | 21°37 | 23°52 | 3°11 | 17°44 | 16°18 | 22° 9 | 24°17 | S 6 |
| M 7 | 9 37 36 | 25°57'39 | 22°21 | 13° 5 | 10°51 | 24°17 | 19°58 | 7°34 | 21°35 | 23°54 | 3°11 | 17°37 | 16°15 | 22°16 | 24°21 | M 7 |
| T 8 | 9 41 32 | 26°57'58 | 4♎53 | 14°29 | 10°23 | 25° 3 | 20°11 | 7°37 | 21°33 | 23°56 | 3°12 | 17°30 | 16°11 | 22°23 | 24°25 | T 8 |
| W 9 | 9 45 29 | 27°58'16 | 17°37 | 15°47 | 9°52 | 25°49 | 20°24 | 7°40 | 21°31 | 23°58 | 3°13 | 17°24 | 16° 8 | 22°29 | 24°29 | W 9 |
| T 10 | 9 49 25 | 28°58'32 | 0♏35 | 16°59 | 9°20 | 26°34 | 20°36 | 7°43 | 21°29 | 24° 1 | 3°13 | 17°19 | 16° 5 | 22°36 | 24°33 | T 10 |
| F 11 | 9 53 22 | 29°58'46 | 13°47 | 18° 4 | 8°46 | 27°20 | 20°49 | 7°45 | 21°27 | 24° 3 | 3°14 | 17°15 | 16° 2 | 22°43 | 24°37 | F 11 |
| S 12 | 9 57 19 | 0♓58'59 | 27°16 | 19° 2 | 8°11 | 28° 5 | 21° 1 | 7°48 | 21°25 | 24° 5 | 3°15 | 17°D14 | 15°59 | 22°49 | 24°41 | S 12 |
| S 13 | 10 1 15 | 1°59'11 | 11♐ 3 | 19°53 | 7°36 | 28°51 | 21°13 | 7°50 | 21°23 | 24° 7 | 3°15 | 17°14 | 15°55 | 22°56 | 24°44 | S 13 |
| M14 | 10 5 12 | 2°59'21 | 25° 8 | 20°34 | 6°59 | 29°37 | 21°26 | 7°53 | 21°21 | 24° 9 | 3°16 | 17°15 | 15°52 | 23° 2 | 24°48 | M14 |
| T 15 | 10 9 8 | 3°59'30 | 9♑30 | 21° 8 | 6°22 | 0♈22 | 21°38 | 7°55 | 21°20 | 24°11 | 3°17 | 17°16 | 15°49 | 23° 9 | 24°51 | T 15 |
| W16 | 10 13 5 | 4°59'37 | 24° 8 | 21°32 | 5°44 | 1° 8 | 21°50 | 7°57 | 21°18 | 24°13 | 3°18 | 17°R16 | 15°46 | 23°16 | 24°55 | W16 |
| T 17 | 10 17 1 | 5°59'42 | 8♒58 | 21°47 | 5° 6 | 1°53 | 22° 2 | 8° 0 | 21°16 | 24°16 | 3°18 | 17°15 | 15°43 | 23°22 | 24°58 | T 17 |
| F 18 | 10 20 58 | 6°59'45 | 23°52 | 21°R53 | 4°29 | 2°38 | 22°14 | 8° 2 | 21°15 | 24°18 | 3°19 | 17°10 | 15°40 | 23°29 | 25° 2 | F 18 |
| S 19 | 10 24 54 | 7°59'47 | 8♓42 | 21°49 | 3°52 | 3°24 | 22°26 | 8° 4 | 21°13 | 24°20 | 3°20 | 17° 4 | 15°36 | 23°36 | 25° 5 | S 19 |
| S 20 | 10 28 51 | 8°59'46 | 23°21 | 21°37 | 3°16 | 4° 9 | 22°37 | 8° 5 | 21°12 | 24°22 | 3°21 | 16°56 | 15°33 | 23°42 | 25° 8 | S 20 |
| M21 | 10 32 48 | 9°59'44 | 7♈41 | 21°17 | 2°40 | 4°54 | 22°49 | 8° 7 | 21°10 | 24°24 | 3°22 | 16°47 | 15°30 | 23°49 | 25°11 | M21 |
| T 22 | 10 36 44 | 10°59'39 | 21°36 | 20°48 | 2° 6 | 5°40 | 23° 1 | 8° 9 | 21° 9 | 24°27 | 3°23 | 16°38 | 15°27 | 23°56 | 25°14 | T 22 |
| W23 | 10 40 41 | 11°59'32 | 5♉ 4 | 20°12 | 1°33 | 6°25 | 23°12 | 8°10 | 21° 7 | 24°29 | 3°24 | 16°31 | 15°24 | 24° 2 | 25°17 | W23 |
| T 24 | 10 44 37 | 12°59'23 | 18° 5 | 19°30 | 1° 2 | 7°10 | 23°24 | 8°12 | 21° 6 | 24°31 | 3°24 | 16°26 | 15°21 | 24° 9 | 25°20 | T 24 |
| F 25 | 10 48 34 | 13°59'12 | 0♊41 | 18°43 | 0°32 | 7°55 | 23°35 | 8°13 | 21° 5 | 24°33 | 3°25 | 16°23 | 15°17 | 24°16 | 25°22 | F 25 |
| S 26 | 10 52 30 | 14°58'59 | 12°58 | 17°51 | 0° 5 | 8°40 | 23°46 | 8°14 | 21° 3 | 24°36 | 3°26 | 16°D22 | 15°14 | 24°22 | 25°25 | S 26 |
| S 27 | 10 56 27 | 15°58'43 | 24°59 | 16°57 | 29♒39 | 9°25 | 23°57 | 8°16 | 21° 2 | 24°38 | 3°27 | 16°22 | 15°11 | 24°29 | 25°28 | S 27 |
| M28 | 11 0 23 | 16°58'25 | 6♋50 | 16° 1 | 29°15 | 10°10 | 24° 9 | 8°17 | 21° 1 | 24°40 | 3°28 | 16°23 | 15° 8 | 24°35 | 25°30 | M28 |
| T 29 | 11 4 20 | 17♓58'05 | 18♋37 | 15♓ 5 | 28♒54 | 10♈55 | 24♑20 | 8♐18 | 21♋ 0 | 24♓42 | 3♉29 | 16°R23 | 15♋ 5 | 24♋42 | 25♐33 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s53 | 22n25 | 0s42 | 11s 0 | 0s45 | 0s25 | 6n49 | 4s43 | 0s41 | 22s23 | 0s11 | 19s51 | 1n46 | 22n17 | 0n33 | 3s45 | 1s22 | 2s20 | 15s51 | 22n18 | 22n29 | 22n14 | 18s 0 | 5n23 |
| W 2 | 14 34 | 22 4 | 0n22 | 10 12 | 0 34 | 0 20 | 7 1 | 4 25 | 0 40 | 22 22 | 0 11 | 19 51 | 1 46 | 22 18 | 0 33 | 3 45 | 1 22 | 2 19 | 15 51 | 22 18 | 22 30 | 22 13 | 17 59 | 5 24 |
| T 3 | 14 15 | 20 44 | 1 26 | 9 24 | 0 23 | 0 16 | 7 13 | 4 6 | 0 40 | 22 20 | 0 11 | 19 52 | 1 46 | 22 18 | 0 33 | 3 44 | 1 22 | 2 19 | 15 50 | 22 19 | 22 30 | 22 13 | 17 59 | 5 24 |
| F 4 | 13 55 | 18 29 | 2 26 | 8 36 | 0 11 | 0 13 | 7 24 | 3 47 | 0 39 | 22 18 | 0 11 | 19 52 | 1 46 | 22 18 | 0 33 | 3 43 | 1 22 | 2 18 | 15 50 | 22 19 | 22 31 | 22 13 | 17 59 | 5 25 |
| S 5 | 13 35 | 15 24 | 3 20 | 7 48 | 0n 1 | 0 11 | 7 34 | 3 28 | 0 38 | 22 17 | 0 11 | 19 53 | 1 47 | 22 19 | 0 33 | 3 42 | 1 22 | 2 18 | 15 50 | 22 20 | 22 31 | 22 13 | 17 59 | 5 25 |
| S 6 | 13 15 | 11 38 | 4 6 | 7 1 | 0 14 | 0 11 | 7 45 | 3 9 | 0 38 | 22 15 | 0 11 | 19 53 | 1 47 | 22 19 | 0 33 | 3 41 | 1 22 | 2 17 | 15 49 | 22 20 | 22 31 | 22 13 | 17 58 | 5 26 |
| M 7 | 12 54 | 7 20 | 4 41 | 6 14 | 0 28 | 0 12 | 7 54 | 2 51 | 0 37 | 22 13 | 0 11 | 19 53 | 1 47 | 22 19 | 0 33 | 3 41 | 1 22 | 2 17 | 15 49 | 22 21 | 22 32 | 22 12 | 17 58 | 5 26 |
| T 8 | 12 34 | 2 41 | 5 3 | 5 29 | 0 42 | 0 15 | 8 3 | 2 32 | 0 36 | 22 11 | 0 12 | 19 54 | 1 47 | 22 20 | 0 33 | 3 40 | 1 22 | 2 16 | 15 49 | 22 22 | 22 32 | 22 12 | 17 57 | 5 27 |
| W 9 | 12 13 | 2s10 | 5 10 | 4 46 | 0 56 | 0 18 | 8 11 | 2 13 | 0 36 | 22 10 | 0 12 | 19 54 | 1 47 | 22 20 | 0 33 | 3 39 | 1 22 | 2 16 | 15 48 | 22 23 | 22 33 | 22 12 | 17 57 | 5 28 |
| T 10 | 11 52 | 7 0 | 5 2 | 4 4 | 1 11 | 0 23 | 8 19 | 1 54 | 0 35 | 22 8 | 0 12 | 19 54 | 1 47 | 22 20 | 0 33 | 3 38 | 1 22 | 2 15 | 15 48 | 22 24 | 22 33 | 22 12 | 17 57 | 5 28 |
| F 11 | 11 31 | 11 37 | 4 38 | 3 25 | 1 25 | 0 30 | 8 25 | 1 35 | 0 34 | 22 6 | 0 12 | 19 55 | 1 47 | 22 21 | 0 33 | 3 37 | 1 22 | 2 15 | 15 48 | 22 24 | 22 33 | 22 12 | 17 56 | 5 29 |
| S 12 | 11 10 | 15 45 | 3 58 | 2 49 | 1 40 | 0 37 | 8 31 | 1 16 | 0 34 | 22 4 | 0 12 | 19 55 | 1 47 | 22 21 | 0 33 | 3 36 | 1 22 | 2 14 | 15 47 | 22 24 | 22 34 | 22 11 | 17 56 | 5 29 |
| S 13 | 10 48 | 19 9 | 3 3 | 2 16 | 1 55 | 0 46 | 8 36 | 0 58 | 0 33 | 22 2 | 0 12 | 19 55 | 1 48 | 22 21 | 0 33 | 3 36 | 1 22 | 2 14 | 15 47 | 22 24 | 22 34 | 22 11 | 17 55 | 5 30 |
| M14 | 10 27 | 21 29 | 1 57 | 1 46 | 2 9 | 0 55 | 8 40 | 0 39 | 0 32 | 22 1 | 0 12 | 19 56 | 1 48 | 22 21 | 0 33 | 3 35 | 1 22 | 2 13 | 15 47 | 22 24 | 22 34 | 22 11 | 17 55 | 5 30 |
| T 15 | 10 5 | 22 29 | 0 42 | 1 20 | 2 23 | 1 6 | 8 43 | 0 20 | 0 31 | 21 59 | 0 12 | 19 56 | 1 48 | 22 22 | 0 33 | 3 34 | 1 22 | 2 13 | 15 47 | 22 24 | 22 35 | 22 11 | 17 55 | 5 31 |
| W16 | 9 43 | 21 58 | 0s37 | 0 59 | 2 36 | 1 18 | 8 45 | 0 1 | 0 31 | 21 57 | 0 13 | 19 56 | 1 48 | 22 22 | 0 33 | 3 33 | 1 22 | 2 12 | 15 46 | 22 24 | 22 35 | 22 10 | 17 54 | 5 31 |
| T 17 | 9 21 | 19 55 | 1 54 | 0 41 | 2 49 | 1 30 | 8 46 | 0n18 | 0 30 | 21 55 | 0 13 | 19 56 | 1 48 | 22 22 | 0 33 | 3 32 | 1 22 | 2 11 | 15 46 | 22 24 | 22 36 | 22 10 | 17 54 | 5 32 |
| F 18 | 8 58 | 16 30 | 3 4 | 0 28 | 3 1 | 1 44 | 8 46 | 0 36 | 0 29 | 21 53 | 0 13 | 19 57 | 1 48 | 22 22 | 0 33 | 3 31 | 1 22 | 2 11 | 15 46 | 22 25 | 22 36 | 22 10 | 17 53 | 5 33 |
| S 19 | 8 36 | 12 3 | 4 1 | 0 20 | 3 11 | 1 57 | 8 45 | 0 55 | 0 29 | 21 52 | 0 13 | 19 57 | 1 48 | 22 23 | 0 33 | 3 30 | 1 22 | 2 10 | 15 45 | 22 26 | 22 36 | 22 9 | 17 53 | 5 33 |
| S 20 | 8 13 | 6 57 | 4 41 | 0 16 | 3 20 | 2 12 | 8 43 | 1 14 | 0 28 | 21 50 | 0 13 | 19 57 | 1 48 | 22 23 | 0 33 | 3 29 | 1 21 | 2 10 | 15 45 | 22 27 | 22 37 | 22 9 | 17 52 | 5 34 |
| M21 | 7 51 | 1 35 | 5 3 | 0 17 | 3 28 | 2 27 | 8 41 | 1 32 | 0 27 | 21 48 | 0 13 | 19 57 | 1 49 | 22 23 | 0 32 | 3 29 | 1 21 | 2 9 | 15 45 | 22 28 | 22 37 | 22 9 | 17 52 | 5 34 |
| T 22 | 7 28 | 3n43 | 5 5 | 0 23 | 3 34 | 2 43 | 8 37 | 1 51 | 0 27 | 21 46 | 0 13 | 19 57 | 1 49 | 22 23 | 0 32 | 3 28 | 1 21 | 2 9 | 15 45 | 22 29 | 22 37 | 22 9 | 17 51 | 5 35 |
| W23 | 7 5 | 8 41 | 4 51 | 0 33 | 3 38 | 2 58 | 8 32 | 2 9 | 0 26 | 21 44 | 0 13 | 19 57 | 1 49 | 22 23 | 0 32 | 3 27 | 1 21 | 2 8 | 15 44 | 22 30 | 22 38 | 22 8 | 17 51 | 5 35 |
| T 24 | 6 42 | 13 5 | 4 21 | 0 48 | 3 40 | 3 14 | 8 27 | 2 28 | 0 25 | 21 43 | 0 14 | 19 57 | 1 49 | 22 24 | 0 32 | 3 26 | 1 21 | 2 8 | 15 44 | 22 30 | 22 38 | 22 8 | 17 50 | 5 36 |
| F 25 | 6 19 | 16 47 | 3 40 | 1 6 | 3 40 | 3 30 | 8 21 | 2 46 | 0 25 | 21 41 | 0 14 | 19 57 | 1 49 | 22 24 | 0 32 | 3 25 | 1 21 | 2 7 | 15 44 | 22 31 | 22 38 | 22 8 | 17 50 | 5 37 |
| S 26 | 5 56 | 19 38 | 2 49 | 1 28 | 3 38 | 3 46 | 8 14 | 3 5 | 0 24 | 21 39 | 0 14 | 19 58 | 1 49 | 22 24 | 0 32 | 3 24 | 1 21 | 2 7 | 15 43 | 22 31 | 22 39 | 22 7 | 17 49 | 5 37 |
| S 27 | 5 33 | 21 33 | 1 52 | 1 52 | 3 35 | 4 2 | 8 6 | 3 23 | 0 23 | 21 37 | 0 14 | 19 58 | 1 49 | 22 24 | 0 32 | 3 23 | 1 21 | 2 6 | 15 43 | 22 31 | 22 39 | 22 7 | 17 49 | 5 38 |
| M28 | 5 10 | 22 30 | 0 51 | 2 19 | 3 29 | 4 18 | 7 58 | 3 42 | 0 22 | 21 35 | 0 14 | 19 58 | 1 49 | 22 24 | 0 32 | 3 22 | 1 21 | 2 5 | 15 43 | 22 31 | 22 40 | 22 7 | 17 48 | 5 38 |
| T 29 | 4s46 | 22n25 | 0n12 | 2s48 | 3n22 | 4s33 | 7n49 | 4n 0 | 0s22 | 21s34 | 0s14 | 19s58 | 1n50 | 22n24 | 0n32 | 3s21 | 1s21 | 2s 5 | 15s43 | 22n31 | 22n40 | 22n 6 | 17s48 | 5n39 |

Julian Day Number = 2220750.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'33, Lahiri = 15°02'34 Julian Calendar 1 Feb. 1368 == Greg. Calendar 9 Feb. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## MARCH 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 8 17 | 18♓57'42 | 0♌25 | 14°R 9 | 28°R35 | 11♈40 | 24♉30 | 8♐19 | 20°R59 | 24♓45 | 3♉30 | 16°R22 | 15♋ 1 | 24♋49 | 25♐35 | W 1 |
| T 2 | 11 12 13 | 19°57'18 | 12°17 | 13♓15 | 28♒18 | 12°24 | 24°41 | 8°19 | 20♋58 | 24°47 | 3°31 | 16♋19 | 14°58 | 24°55 | 25°37 | T 2 |
| F 3 | 11 16 10 | 20°56'51 | 24°18 | 12°24 | 28° 4 | 13° 9 | 24°52 | 8°20 | 20°57 | 24°49 | 3°32 | 16°13 | 14°55 | 25° 2 | 25°39 | F 3 |
| S 4 | 11 20 6 | 21°56'21 | 6♍30 | 11°37 | 27°53 | 13°54 | 25° 2 | 8°21 | 20°56 | 24°51 | 3°33 | 16° 4 | 14°52 | 25° 9 | 25°41 | S 4 |
| S 5 | 11 24 3 | 22°55'50 | 18°55 | 10°54 | 27°43 | 14°39 | 25°13 | 8°21 | 20°55 | 24°54 | 3°34 | 15°54 | 14°49 | 25°15 | 25°43 | S 5 |
| M 6 | 11 27 59 | 23°55'16 | 1♎33 | 10°16 | 27°37 | 15°23 | 25°23 | 8°21 | 20°54 | 24°56 | 3°36 | 15°42 | 14°46 | 25°22 | 25°45 | M 6 |
| T 7 | 11 31 56 | 24°54'41 | 14°25 | 9°44 | 27°32 | 16° 8 | 25°34 | 8°22 | 20°54 | 24°58 | 3°37 | 15°30 | 14°42 | 25°29 | 25°47 | T 7 |
| W 8 | 11 35 52 | 25°54'03 | 27°29 | 9°17 | 27°D30 | 16°52 | 25°44 | 8°22 | 20°53 | 25° 0 | 3°38 | 15°18 | 14°39 | 25°35 | 25°49 | W 8 |
| T 9 | 11 39 49 | 26°53'24 | 10♏46 | 8°57 | 27°31 | 17°37 | 25°54 | 8°R22 | 20°52 | 25° 3 | 3°39 | 15° 9 | 14°36 | 25°42 | 25°50 | T 9 |
| F 10 | 11 43 45 | 27°52'42 | 24°12 | 8°42 | 27°34 | 18°21 | 26° 4 | 8°22 | 20°52 | 25° 5 | 3°40 | 15° 2 | 14°33 | 25°49 | 25°52 | F 10 |
| S 11 | 11 47 42 | 28°51'59 | 7♐50 | 8°33 | 27°39 | 19° 5 | 26°14 | 8°22 | 20°51 | 25° 7 | 3°41 | 14°58 | 14°30 | 25°55 | 25°53 | S 11 |
| S 12 | 11 51 39 | 29°51'15 | 21°38 | 8°D30 | 27°47 | 19°50 | 26°24 | 8°21 | 20°51 | 25°10 | 3°42 | 14°57 | 14°26 | 26° 2 | 25°55 | S 12 |
| M13 | 11 55 35 | 0♈50'28 | 5♑36 | 8°32 | 27°57 | 20°34 | 26°33 | 8°21 | 20°50 | 25°12 | 3°43 | 14°D57 | 14°23 | 26° 9 | 25°56 | M13 |
| T 14 | 11 59 32 | 1°49'40 | 19°44 | 8°40 | 28° 9 | 21°18 | 26°43 | 8°21 | 20°50 | 25°14 | 3°45 | 14°R57 | 14°20 | 26°15 | 25°57 | T 14 |
| W15 | 12 3 28 | 2°48'50 | 4♒ 2 | 8°53 | 28°23 | 22° 2 | 26°52 | 8°20 | 20°50 | 25°16 | 3°46 | 14°56 | 14°17 | 26°22 | 25°58 | W15 |
| T 16 | 12 7 25 | 3°47'58 | 18°28 | 9°12 | 28°39 | 22°47 | 27° 1 | 8°20 | 20°49 | 25°19 | 3°47 | 14°52 | 14°14 | 26°28 | 25°59 | T 16 |
| F 17 | 12 11 21 | 4°47'04 | 2♓56 | 9°35 | 28°57 | 23°31 | 27°11 | 8°19 | 20°49 | 25°21 | 3°48 | 14°46 | 14°11 | 26°35 | 26° 0 | F 17 |
| S 18 | 12 15 18 | 5°46'08 | 17°24 | 10° 2 | 29°17 | 24°15 | 27°20 | 8°18 | 20°49 | 25°23 | 3°49 | 14°37 | 14° 7 | 26°42 | 26° 1 | S 18 |
| S 19 | 12 19 14 | 6°45'10 | 1♈43 | 10°34 | 29°38 | 24°59 | 27°29 | 8°17 | 20°49 | 25°25 | 3°51 | 14°26 | 14° 4 | 26°48 | 26° 2 | S 19 |
| M20 | 12 23 11 | 7°44'11 | 15°48 | 11°11 | 0♓ 2 | 25°43 | 27°37 | 8°16 | 20°49 | 25°28 | 3°52 | 14°14 | 14° 1 | 26°55 | 26° 2 | M20 |
| T 21 | 12 27 8 | 8°43'09 | 29°34 | 11°51 | 0°27 | 26°27 | 27°46 | 8°15 | 20°D49 | 25°30 | 3°53 | 14° 2 | 13°58 | 27° 2 | 26° 3 | T 21 |
| W22 | 12 31 4 | 9°42'05 | 12♉57 | 12°34 | 0°54 | 27°10 | 27°55 | 8°14 | 20°49 | 25°32 | 3°54 | 13°51 | 13°55 | 27° 8 | 26° 3 | W22 |
| T 23 | 12 35 1 | 10°40'59 | 25°57 | 13°22 | 1°22 | 27°54 | 28° 3 | 8°13 | 20°49 | 25°34 | 3°56 | 13°43 | 13°52 | 27°15 | 26° 4 | T 23 |
| F 24 | 12 38 57 | 11°39'50 | 8♊35 | 14°12 | 1°52 | 28°38 | 28°11 | 8°11 | 20°49 | 25°36 | 3°57 | 13°37 | 13°48 | 27°22 | 26° 4 | F 24 |
| S 25 | 12 42 54 | 12°38'40 | 20°53 | 15° 6 | 2°24 | 29°22 | 28°19 | 8°10 | 20°49 | 25°39 | 3°58 | 13°34 | 13°45 | 27°28 | 26° 4 | S 25 |
| S 26 | 12 46 50 | 13°37'27 | 2♋56 | 16° 3 | 2°57 | 0♉ 5 | 28°27 | 8° 8 | 20°49 | 25°41 | 3°59 | 13°33 | 13°42 | 27°35 | 26° 4 | S 26 |
| M27 | 12 50 47 | 14°36'12 | 14°49 | 17° 3 | 3°31 | 0°49 | 28°35 | 8° 6 | 20°50 | 25°43 | 4° 1 | 13°33 | 13°39 | 27°42 | 26°R 4 | M27 |
| T 28 | 12 54 43 | 15°34'54 | 26°37 | 18° 5 | 4° 6 | 1°33 | 28°43 | 8° 5 | 20°50 | 25°45 | 4° 2 | 13°32 | 13°36 | 27°48 | 26° 4 | T 28 |
| W29 | 12 58 40 | 16°33'35 | 8♌26 | 19°11 | 4°43 | 2°16 | 28°51 | 8° 3 | 20°51 | 25°47 | 4° 3 | 13°31 | 13°32 | 27°55 | 26° 4 | W29 |
| T 30 | 13 2 37 | 17°32'13 | 20°21 | 20°18 | 5°21 | 2°59 | 28°58 | 8° 1 | 20°51 | 25°49 | 4° 5 | 13°28 | 13°29 | 28° 2 | 26° 4 | T 30 |
| F 31 | 13 6 33 | 18♈30'49 | 2♍27 | 21♓28 | 6♓ 0 | 3♉43 | 29♑ 5 | 7♐59 | 20♋52 | 25♓52 | 4♉ 6 | 13♋22 | 13♋26 | 28♋ 8 | 26♐ 3 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 4s23 | 21n20 | 1n14 | 3s18 | 3n12 | 4s49 | 7n40 | 4n18 | 0s21 | 21s32 | 0s14 | 19s58 | 1n50 | 22n25 | 0n32 | 3s20 | 1s21 | 2s 4 | 15s42 | 22n31 | 22n40 | 22n 6 | 17s47 | 5n40 | W 1 |
| T 2 | 3 59 | 19 19 | 2 14 | 3 48 | 3 2 | 5 3 | 7 30 | 4 36 | 0 20 | 21 30 | 0 15 | 19 58 | 1 50 | 22 25 | 0 32 | 3 20 | 1 21 | 2 4 | 15 42 | 22 31 | 22 41 | 22 6 | 17 47 | 5 40 | T 2 |
| F 3 | 3 36 | 16 25 | 3 8 | 4 19 | 2 50 | 5 18 | 7 20 | 4 54 | 0 20 | 21 28 | 0 15 | 19 58 | 1 50 | 22 25 | 0 32 | 3 19 | 1 21 | 2 3 | 15 42 | 22 32 | 22 41 | 22 5 | 17 46 | 5 41 | F 3 |
| S 4 | 3 12 | 12 46 | 3 54 | 4 49 | 2 37 | 5 32 | 7 9 | 5 13 | 0 19 | 21 26 | 0 15 | 19 58 | 1 50 | 22 25 | 0 32 | 3 18 | 1 21 | 2 3 | 15 42 | 22 33 | 22 41 | 22 5 | 17 46 | 5 42 | S 4 |
| S 5 | 2 49 | 8 32 | 4 30 | 5 18 | 2 23 | 5 45 | 6 59 | 5 31 | 0 18 | 21 25 | 0 15 | 19 58 | 1 50 | 22 25 | 0 32 | 3 17 | 1 21 | 2 2 | 15 42 | 22 34 | 22 42 | 22 5 | 17 45 | 5 42 | S 5 |
| M 6 | 2 25 | 3 51 | 4 53 | 5 45 | 2 9 | 5 58 | 6 47 | 5 48 | 0 18 | 21 23 | 0 15 | 19 57 | 1 50 | 22 25 | 0 32 | 3 16 | 1 21 | 2 2 | 15 41 | 22 36 | 22 42 | 22 4 | 17 45 | 5 43 | M 6 |
| T 7 | 2 2 | 1s 4 | 5 2 | 6 11 | 1 54 | 6 10 | 6 36 | 6 6 | 0 17 | 21 21 | 0 15 | 19 57 | 1 50 | 22 25 | 0 32 | 3 15 | 1 22 | 2 1 | 15 41 | 22 37 | 22 42 | 22 4 | 17 44 | 5 43 | T 7 |
| W 8 | 1 38 | 6 1 | 4 55 | 6 36 | 1 38 | 6 21 | 6 25 | 6 24 | 0 16 | 21 19 | 0 15 | 19 57 | 1 51 | 22 25 | 0 32 | 3 14 | 1 22 | 2 0 | 15 41 | 22 38 | 22 43 | 22 3 | 17 43 | 5 44 | W 8 |
| T 9 | 1 14 | 10 47 | 4 33 | 6 58 | 1 23 | 6 32 | 6 13 | 6 42 | 0 16 | 21 18 | 0 16 | 19 57 | 1 51 | 22 25 | 0 32 | 3 13 | 1 22 | 2 0 | 15 41 | 22 39 | 22 43 | 22 3 | 17 43 | 5 45 | T 9 |
| F 10 | 0 51 | 15 5 | 3 55 | 7 17 | 1 8 | 6 42 | 6 1 | 6 59 | 0 15 | 21 16 | 0 16 | 19 57 | 1 51 | 22 26 | 0 32 | 3 12 | 1 22 | 1 59 | 15 40 | 22 40 | 22 43 | 22 3 | 17 42 | 5 45 | F 10 |
| S 11 | 0 27 | 18 40 | 3 3 | 7 35 | 0 52 | 6 51 | 5 49 | 7 17 | 0 14 | 21 14 | 0 16 | 19 57 | 1 51 | 22 26 | 0 32 | 3 12 | 1 22 | 1 59 | 15 40 | 22 41 | 22 44 | 22 2 | 17 42 | 5 46 | S 11 |
| S 12 | 0 3 | 21 15 | 2 0 | 7 50 | 0 38 | 7 0 | 5 38 | 7 34 | 0 14 | 21 12 | 0 16 | 19 57 | 1 51 | 22 26 | 0 32 | 3 11 | 1 22 | 1 58 | 15 40 | 22 41 | 22 44 | 22 2 | 17 41 | 5 47 | S 12 |
| M13 | 0n20 | 22 35 | 0 49 | 8 3 | 0 23 | 7 8 | 5 26 | 7 52 | 0 13 | 21 11 | 0 16 | 19 57 | 1 51 | 22 26 | 0 32 | 3 10 | 1 22 | 1 58 | 15 40 | 22 41 | 22 44 | 22 2 | 17 40 | 5 47 | M13 |
| T 14 | 0 44 | 22 29 | 0s25 | 8 13 | 0 9 | 7 15 | 5 14 | 8 9 | 0 12 | 21 9 | 0 16 | 19 56 | 1 51 | 22 26 | 0 32 | 3 9 | 1 22 | 1 57 | 15 40 | 22 41 | 22 45 | 22 1 | 17 40 | 5 48 | T 14 |
| W15 | 1 7 | 20 55 | 1 39 | 8 21 | 0s 5 | 7 21 | 5 2 | 8 26 | 0 12 | 21 7 | 0 16 | 19 56 | 1 51 | 22 26 | 0 32 | 3 8 | 1 22 | 1 57 | 15 39 | 22 41 | 22 45 | 22 1 | 17 39 | 5 48 | W15 |
| T 16 | 1 31 | 18 0 | 2 48 | 8 26 | 0 18 | 7 27 | 4 50 | 8 43 | 0 11 | 21 6 | 0 17 | 19 56 | 1 52 | 22 26 | 0 32 | 3 7 | 1 22 | 1 56 | 15 39 | 22 41 | 22 45 | 22 0 | 17 39 | 5 49 | T 16 |
| F 17 | 1 54 | 13 57 | 3 45 | 8 29 | 0 31 | 7 31 | 4 39 | 9 0 | 0 10 | 21 4 | 0 17 | 19 56 | 1 52 | 22 26 | 0 32 | 3 6 | 1 22 | 1 55 | 15 39 | 22 42 | 22 46 | 22 0 | 17 38 | 5 50 | F 17 |
| S 18 | 2 18 | 9 6 | 4 28 | 8 30 | 0 43 | 7 35 | 4 27 | 9 17 | 0 10 | 21 2 | 0 17 | 19 56 | 1 52 | 22 26 | 0 32 | 3 5 | 1 22 | 1 55 | 15 39 | 22 43 | 22 46 | 21 59 | 17 37 | 5 50 | S 18 |
| S 19 | 2 41 | 3 48 | 4 53 | 8 29 | 0 55 | 7 39 | 4 16 | 9 34 | 0 9 | 21 1 | 0 17 | 19 55 | 1 52 | 22 26 | 0 32 | 3 4 | 1 22 | 1 54 | 15 39 | 22 44 | 22 46 | 21 59 | 17 37 | 5 51 | S 19 |
| M20 | 3 5 | 1n37 | 5 1 | 8 25 | 1 6 | 7 41 | 4 4 | 9 51 | 0 8 | 20 59 | 0 17 | 19 55 | 1 52 | 22 26 | 0 32 | 3 4 | 1 22 | 1 54 | 15 39 | 22 45 | 22 47 | 21 59 | 17 36 | 5 52 | M20 |
| T 21 | 3 28 | 6 50 | 4 50 | 8 19 | 1 17 | 7 43 | 3 53 | 10 7 | 0 7 | 20 58 | 0 17 | 19 55 | 1 52 | 22 26 | 0 32 | 3 3 | 1 22 | 1 53 | 15 38 | 22 47 | 22 47 | 21 58 | 17 36 | 5 52 | T 21 |
| W22 | 3 51 | 11 36 | 4 23 | 8 12 | 1 26 | 7 44 | 3 42 | 10 24 | 0 7 | 20 56 | 0 18 | 19 54 | 1 52 | 22 26 | 0 32 | 3 2 | 1 22 | 1 53 | 15 38 | 22 48 | 22 47 | 21 58 | 17 35 | 5 53 | W22 |
| T 23 | 4 15 | 15 41 | 3 44 | 8 2 | 1 36 | 7 44 | 3 31 | 10 40 | 0 6 | 20 55 | 0 18 | 19 54 | 1 52 | 22 26 | 0 32 | 3 1 | 1 22 | 1 52 | 15 38 | 22 49 | 22 48 | 21 57 | 17 34 | 5 54 | T 23 |
| F 24 | 4 38 | 18 57 | 2 54 | 7 50 | 1 44 | 7 44 | 3 20 | 10 56 | 0 5 | 20 53 | 0 18 | 19 54 | 1 52 | 22 26 | 0 32 | 3 0 | 1 22 | 1 52 | 15 38 | 22 49 | 22 48 | 21 57 | 17 34 | 5 54 | F 24 |
| S 25 | 5 1 | 21 16 | 1 57 | 7 37 | 1 52 | 7 42 | 3 10 | 11 13 | 0 5 | 20 52 | 0 18 | 19 53 | 1 53 | 22 26 | 0 32 | 2 59 | 1 22 | 1 51 | 15 38 | 22 50 | 22 48 | 21 56 | 17 33 | 5 55 | S 25 |
| S 26 | 5 24 | 22 33 | 0 56 | 7 21 | 2 0 | 7 40 | 2 59 | 11 29 | 0 4 | 20 50 | 0 18 | 19 53 | 1 53 | 22 26 | 0 32 | 2 58 | 1 22 | 1 51 | 15 38 | 22 50 | 22 49 | 21 56 | 17 32 | 5 55 | S 26 |
| M27 | 5 46 | 22 48 | 0n 7 | 7 4 | 2 6 | 7 38 | 2 49 | 11 45 | 0 4 | 20 49 | 0 18 | 19 53 | 1 53 | 22 25 | 0 32 | 2 57 | 1 22 | 1 50 | 15 38 | 22 50 | 22 49 | 21 55 | 17 32 | 5 56 | M27 |
| T 28 | 6 9 | 22 2 | 1 9 | 6 45 | 2 13 | 7 34 | 2 39 | 12 0 | 0 3 | 20 47 | 0 18 | 19 52 | 1 53 | 22 25 | 0 32 | 2 57 | 1 22 | 1 49 | 15 37 | 22 50 | 22 49 | 21 55 | 17 31 | 5 57 | T 28 |
| W29 | 6 32 | 20 16 | 2 8 | 6 25 | 2 18 | 7 30 | 2 29 | 12 16 | 0 2 | 20 46 | 0 19 | 19 52 | 1 53 | 22 25 | 0 32 | 2 56 | 1 22 | 1 49 | 15 37 | 22 50 | 22 50 | 21 54 | 17 31 | 5 57 | W29 |
| T 30 | 6 54 | 17 37 | 3 2 | 6 3 | 2 23 | 7 26 | 2 19 | 12 32 | 0 2 | 20 45 | 0 19 | 19 52 | 1 53 | 22 25 | 0 32 | 2 55 | 1 22 | 1 48 | 15 37 | 22 50 | 22 50 | 21 54 | 17 30 | 5 58 | T 30 |
| F 31 | 7n17 | 14n11 | 3n48 | 5s39 | 2s28 | 7s20 | 2n 9 | 12n47 | 0s 1 | 20s43 | 0s19 | 19s51 | 1n53 | 22n25 | 0n32 | 2s54 | 1s22 | 1s48 | 15s37 | 22n51 | 22n50 | 21n53 | 17s29 | 5n59 | F 31 |

Julian Day Number = 2220779.5, Delta T = 08m42s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'37, Lahiri = 15°02'38 Julian Calendar 1 March 1368 == Greg. Calendar 9 March 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## APRIL 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 10 30 | 19♈29'22 | 14♍48 | 22♓41 | 6♓40 | 4♉26 | 29♑12 | 7°R57 | 20♋52 | 25♓54 | 4♉ 7 | 13°R13 | 13♋23 | 28♋15 | 26°R 3 | S 1 |
| S 2 | 13 14 26 | 20°27'54 | 27°25 | 23°55 | 7°21 | 5° 9 | 29°19 | 7♐55 | 20°53 | 25°56 | 4° 9 | 13♋ 2 | 13°20 | 28°22 | 26♐ 2 | S 2 |
| M 3 | 13 18 23 | 21°26'23 | 10♎19 | 25°12 | 8° 3 | 5°53 | 29°26 | 7°52 | 20°54 | 25°58 | 4°10 | 12°50 | 13°17 | 28°28 | 26° 2 | M 3 |
| T 4 | 13 22 19 | 22°24'51 | 23°31 | 26°31 | 8°47 | 6°36 | 29°33 | 7°50 | 20°54 | 26° 0 | 4°11 | 12°37 | 13°13 | 28°35 | 26° 1 | T 4 |
| W 5 | 13 26 16 | 23°23'16 | 6♏58 | 27°52 | 9°31 | 7°19 | 29°40 | 7°47 | 20°55 | 26° 2 | 4°13 | 12°25 | 13°10 | 28°41 | 26° 0 | W 5 |
| T 6 | 13 30 12 | 24°21'40 | 20°39 | 29°16 | 10°16 | 8° 2 | 29°46 | 7°45 | 20°56 | 26° 4 | 4°14 | 12°16 | 13° 7 | 28°48 | 25°59 | T 6 |
| F 7 | 13 34 9 | 25°20'02 | 4♐29 | 0♈41 | 11° 2 | 8°45 | 29°52 | 7°42 | 20°57 | 26° 6 | 4°15 | 12° 8 | 13° 4 | 28°55 | 25°59 | F 7 |
| S 8 | 13 38 6 | 26°18'23 | 18°26 | 2° 8 | 11°49 | 9°28 | 29°58 | 7°40 | 20°58 | 26° 8 | 4°17 | 12° 4 | 13° 1 | 29° 1 | 25°57 | S 8 |
| S 9 | 13 42 2 | 27°16'42 | 2♑28 | 3°37 | 12°36 | 10°11 | 0♒ 4 | 7°37 | 20°59 | 26°10 | 4°18 | 12° 2 | 12°58 | 29° 8 | 25°56 | S 9 |
| M10 | 13 45 59 | 28°14'59 | 16°32 | 5° 8 | 13°25 | 10°54 | 0°10 | 7°34 | 21° 0 | 26°12 | 4°19 | 12°D 2 | 12°54 | 29°15 | 25°55 | M10 |
| T 11 | 13 49 55 | 29°13'15 | 0♒39 | 6°41 | 14°14 | 11°37 | 0°16 | 7°31 | 21° 1 | 26°14 | 4°21 | 12°R 2 | 12°51 | 29°21 | 25°54 | T 11 |
| W12 | 13 53 52 | 0♉11'29 | 14°47 | 8°15 | 15° 4 | 12°20 | 0°21 | 7°28 | 21° 2 | 26°16 | 4°22 | 12° 2 | 12°48 | 29°28 | 25°53 | W12 |
| T 13 | 13 57 48 | 1° 9'42 | 28°55 | 9°52 | 15°55 | 13° 2 | 0°26 | 7°25 | 21° 3 | 26°18 | 4°23 | 11°59 | 12°45 | 29°35 | 25°51 | T 13 |
| F 14 | 14 1 45 | 2° 7'54 | 13♓ 0 | 11°30 | 16°46 | 13°45 | 0°32 | 7°22 | 21° 5 | 26°20 | 4°25 | 11°54 | 12°42 | 29°41 | 25°50 | F 14 |
| S 15 | 14 5 41 | 3° 6'03 | 27° 1 | 13°10 | 17°38 | 14°28 | 0°37 | 7°19 | 21° 6 | 26°22 | 4°26 | 11°46 | 12°38 | 29°48 | 25°48 | S 15 |
| S 16 | 14 9 38 | 4° 4'11 | 10♈54 | 14°52 | 18°30 | 15°10 | 0°41 | 7°15 | 21° 7 | 26°24 | 4°28 | 11°36 | 12°35 | 29°55 | 25°46 | S 16 |
| M17 | 14 13 35 | 5° 2'18 | 24°35 | 16°36 | 19°23 | 15°53 | 0°46 | 7°12 | 21° 9 | 26°26 | 4°29 | 11°25 | 12°32 | 0♌ 1 | 25°44 | M17 |
| T 18 | 14 17 31 | 6° 0'23 | 8♉ 1 | 18°22 | 20°17 | 16°36 | 0°50 | 7° 9 | 21°10 | 26°28 | 4°30 | 11°14 | 12°29 | 0° 8 | 25°43 | T 18 |
| W19 | 14 21 28 | 6°58'26 | 21° 9 | 20°10 | 21°11 | 17°18 | 0°55 | 7° 5 | 21°12 | 26°30 | 4°32 | 11° 5 | 12°26 | 0°15 | 25°41 | W19 |
| T 20 | 14 25 24 | 7°56'28 | 3♊59 | 22° 0 | 22° 6 | 18° 0 | 0°59 | 7° 2 | 21°13 | 26°31 | 4°33 | 10°57 | 12°23 | 0°21 | 25°39 | T 20 |
| F 21 | 14 29 21 | 8°54'28 | 16°30 | 23°51 | 23° 1 | 18°43 | 1° 3 | 6°58 | 21°15 | 26°33 | 4°34 | 10°52 | 12°19 | 0°28 | 25°37 | F 21 |
| S 22 | 14 33 17 | 9°52'26 | 28°45 | 25°44 | 23°57 | 19°25 | 1° 7 | 6°54 | 21°17 | 26°35 | 4°36 | 10°49 | 12°16 | 0°35 | 25°35 | S 22 |
| S 23 | 14 37 14 | 10°50'23 | 10♋47 | 27°39 | 24°53 | 20° 7 | 1°10 | 6°51 | 21°18 | 26°37 | 4°37 | 10°D48 | 12°13 | 0°41 | 25°32 | S 23 |
| M24 | 14 41 10 | 11°48'17 | 22°40 | 29°36 | 25°50 | 20°50 | 1°14 | 6°47 | 21°20 | 26°38 | 4°38 | 10°49 | 12°10 | 0°48 | 25°30 | M24 |
| T 25 | 14 45 7 | 12°46'10 | 4♌28 | 1♉35 | 26°47 | 21°32 | 1°17 | 6°43 | 21°22 | 26°40 | 4°40 | 10°50 | 12° 7 | 0°54 | 25°28 | T 25 |
| W26 | 14 49 4 | 13°44'01 | 16°19 | 3°36 | 27°44 | 22°14 | 1°20 | 6°39 | 21°24 | 26°42 | 4°41 | 10°R50 | 12° 4 | 1° 1 | 25°25 | W26 |
| T 27 | 14 53 0 | 14°41'50 | 28°15 | 5°38 | 28°42 | 22°56 | 1°23 | 6°35 | 21°26 | 26°44 | 4°42 | 10°49 | 12° 0 | 1° 8 | 25°23 | T 27 |
| F 28 | 14 56 57 | 15°39'38 | 10♍23 | 7°42 | 29°40 | 23°38 | 1°25 | 6°31 | 21°28 | 26°45 | 4°44 | 10°46 | 11°57 | 1°14 | 25°20 | F 28 |
| S 29 | 15 0 53 | 16°37'23 | 22°48 | 9°48 | 0♈39 | 24°20 | 1°28 | 6°28 | 21°29 | 26°47 | 4°45 | 10°41 | 11°54 | 1°21 | 25°18 | S 29 |
| S 30 | 15 4 50 | 17♉35'07 | 5♎31 | 11♉55 | 1♈38 | 25♉ 2 | 1♒30 | 6♐23 | 21♋32 | 26♓48 | 4♉46 | 10♋34 | 11♋51 | 1♌28 | 25♐15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n39 | 10n 5 | 4n25 | 5s14 | 2s32 | 7s14 | 2n 0 | 13n 2 | 0s 0 | 20s42 | 0s19 | 19s51 | 1n53 | 22n25 | 0n32 | 2s53 | 1s22 | 1s47 | 15s37 | 22n52 | 22n51 | 21n53 | 17s29 | 5n59 |
| S 2 | 8 1 | 5 28 | 4 50 | 4 47 | 2 35 | 7 8 | 1 51 | 13 18 | 0n 0 | 20 41 | 0 19 | 19 50 | 1 53 | 22 25 | 0 32 | 2 53 | 1 22 | 1 47 | 15 37 | 22 53 | 22 51 | 21 52 | 17 28 | 6 0 |
| M 3 | 8 23 | 0 30 | 5 0 | 4 19 | 2 37 | 7 0 | 1 42 | 13 33 | 0 1 | 20 39 | 0 19 | 19 50 | 1 53 | 22 25 | 0 32 | 2 52 | 1 22 | 1 46 | 15 37 | 22 54 | 22 51 | 21 52 | 17 27 | 6 0 |
| T 4 | 8 45 | 4s35 | 4 55 | 3 50 | 2 40 | 6 53 | 1 33 | 13 47 | 0 2 | 20 38 | 0 20 | 19 49 | 1 53 | 22 25 | 0 32 | 2 51 | 1 22 | 1 46 | 15 37 | 22 55 | 22 52 | 21 51 | 17 27 | 6 1 |
| W 5 | 9 7 | 9 34 | 4 34 | 3 19 | 2 41 | 6 44 | 1 24 | 14 2 | 0 2 | 20 37 | 0 20 | 19 49 | 1 54 | 22 24 | 0 32 | 2 50 | 1 22 | 1 45 | 15 37 | 22 56 | 22 52 | 21 51 | 17 26 | 6 2 |
| T 6 | 9 29 | 14 10 | 3 57 | 2 46 | 2 42 | 6 35 | 1 15 | 14 17 | 0 3 | 20 36 | 0 20 | 19 48 | 1 54 | 22 24 | 0 32 | 2 49 | 1 22 | 1 45 | 15 37 | 22 57 | 22 52 | 21 50 | 17 25 | 6 2 |
| F 7 | 9 50 | 18 5 | 3 5 | 2 13 | 2 43 | 6 25 | 1 7 | 14 31 | 0 4 | 20 35 | 0 20 | 19 48 | 1 54 | 22 24 | 0 32 | 2 48 | 1 22 | 1 44 | 15 36 | 22 58 | 22 53 | 21 50 | 17 25 | 6 3 |
| S 8 | 10 11 | 21 0 | 2 2 | 1 38 | 2 42 | 6 15 | 0 59 | 14 46 | 0 4 | 20 33 | 0 20 | 19 47 | 1 54 | 22 24 | 0 32 | 2 48 | 1 22 | 1 44 | 15 36 | 22 58 | 22 53 | 21 49 | 17 24 | 6 4 |
| S 9 | 10 32 | 22 39 | 0 51 | 1 2 | 2 42 | 6 4 | 0 51 | 15 0 | 0 5 | 20 32 | 0 21 | 19 47 | 1 54 | 22 24 | 0 32 | 2 47 | 1 22 | 1 43 | 15 36 | 22 58 | 22 53 | 21 48 | 17 24 | 6 4 |
| M10 | 10 53 | 22 53 | 0s24 | 0 25 | 2 40 | 5 53 | 0 43 | 15 14 | 0 6 | 20 31 | 0 21 | 19 46 | 1 54 | 22 24 | 0 32 | 2 46 | 1 22 | 1 43 | 15 36 | 22 58 | 22 54 | 21 48 | 17 23 | 6 5 |
| T 11 | 11 14 | 21 40 | 1 37 | 0n14 | 2 39 | 5 41 | 0 35 | 15 28 | 0 6 | 20 30 | 0 21 | 19 46 | 1 54 | 22 23 | 0 31 | 2 45 | 1 22 | 1 42 | 15 36 | 22 58 | 22 54 | 21 47 | 17 22 | 6 5 |
| W12 | 11 35 | 19 5 | 2 45 | 0 53 | 2 36 | 5 29 | 0 28 | 15 42 | 0 7 | 20 29 | 0 21 | 19 45 | 1 54 | 22 23 | 0 31 | 2 45 | 1 22 | 1 42 | 15 36 | 22 58 | 22 54 | 21 47 | 17 22 | 6 6 |
| T 13 | 11 55 | 15 21 | 3 42 | 1 34 | 2 33 | 5 16 | 0 21 | 15 55 | 0 7 | 20 28 | 0 21 | 19 45 | 1 54 | 22 23 | 0 31 | 2 44 | 1 22 | 1 41 | 15 36 | 22 59 | 22 54 | 21 46 | 17 21 | 6 6 |
| F 14 | 12 15 | 10 47 | 4 25 | 2 16 | 2 30 | 5 2 | 0 13 | 16 9 | 0 8 | 20 27 | 0 21 | 19 44 | 1 54 | 22 23 | 0 31 | 2 43 | 1 22 | 1 41 | 15 36 | 22 59 | 22 55 | 21 46 | 17 20 | 6 7 |
| S 15 | 12 35 | 5 40 | 4 53 | 2 59 | 2 26 | 4 48 | 0 6 | 16 22 | 0 9 | 20 26 | 0 22 | 19 44 | 1 54 | 22 23 | 0 31 | 2 42 | 1 22 | 1 40 | 15 36 | 23 0 | 22 55 | 21 45 | 17 20 | 6 8 |
| S 16 | 12 55 | 0 19 | 5 3 | 3 42 | 2 22 | 4 34 | 0s 0 | 16 35 | 0 9 | 20 26 | 0 22 | 19 43 | 1 54 | 22 22 | 0 31 | 2 42 | 1 22 | 1 40 | 15 36 | 23 1 | 22 55 | 21 44 | 17 19 | 6 8 |
| M17 | 13 15 | 4n59 | 4 55 | 4 27 | 2 17 | 4 19 | 0 7 | 16 48 | 0 10 | 20 25 | 0 22 | 19 42 | 1 54 | 22 22 | 0 31 | 2 41 | 1 22 | 1 40 | 15 36 | 23 2 | 22 56 | 21 44 | 17 19 | 6 9 |
| T 18 | 13 34 | 9 57 | 4 31 | 5 12 | 2 11 | 4 4 | 0 13 | 17 1 | 0 11 | 20 24 | 0 22 | 19 42 | 1 54 | 22 22 | 0 31 | 2 40 | 1 22 | 1 39 | 15 36 | 23 3 | 22 56 | 21 43 | 17 18 | 6 9 |
| W19 | 13 53 | 14 22 | 3 53 | 5 59 | 2 5 | 3 48 | 0 20 | 17 14 | 0 11 | 20 23 | 0 22 | 19 41 | 1 54 | 22 22 | 0 31 | 2 40 | 1 22 | 1 39 | 15 36 | 23 3 | 22 56 | 21 43 | 17 17 | 6 10 |
| T 20 | 14 12 | 18 1 | 3 3 | 6 46 | 1 59 | 3 32 | 0 26 | 17 27 | 0 12 | 20 23 | 0 23 | 19 41 | 1 55 | 22 21 | 0 31 | 2 39 | 1 22 | 1 38 | 15 36 | 23 4 | 22 57 | 21 42 | 17 17 | 6 10 |
| F 21 | 14 31 | 20 44 | 2 6 | 7 34 | 1 52 | 3 16 | 0 32 | 17 39 | 0 12 | 20 22 | 0 23 | 19 40 | 1 55 | 22 21 | 0 31 | 2 38 | 1 23 | 1 38 | 15 36 | 23 4 | 22 57 | 21 41 | 17 16 | 6 11 |
| S 22 | 14 49 | 22 27 | 1 4 | 8 22 | 1 44 | 2 59 | 0 37 | 17 51 | 0 13 | 20 21 | 0 23 | 19 39 | 1 55 | 22 21 | 0 31 | 2 38 | 1 23 | 1 37 | 15 36 | 23 5 | 22 57 | 21 41 | 17 15 | 6 12 |
| S 23 | 15 8 | 23 5 | 0 0 | 9 11 | 1 36 | 2 42 | 0 43 | 18 3 | 0 14 | 20 21 | 0 23 | 19 39 | 1 55 | 22 20 | 0 31 | 2 37 | 1 23 | 1 37 | 15 36 | 23 5 | 22 57 | 21 40 | 17 15 | 6 12 |
| M24 | 15 26 | 22 39 | 1n 3 | 10 0 | 1 28 | 2 24 | 0 48 | 18 15 | 0 14 | 20 20 | 0 23 | 19 38 | 1 55 | 22 20 | 0 31 | 2 36 | 1 23 | 1 37 | 15 36 | 23 5 | 22 58 | 21 39 | 17 14 | 6 13 |
| T 25 | 15 43 | 21 12 | 2 3 | 10 50 | 1 19 | 2 6 | 0 54 | 18 27 | 0 15 | 20 20 | 0 24 | 19 37 | 1 55 | 22 20 | 0 31 | 2 36 | 1 23 | 1 36 | 15 36 | 23 5 | 22 58 | 21 39 | 17 14 | 6 13 |
| W26 | 16 1 | 18 50 | 2 59 | 11 40 | 1 10 | 1 48 | 0 59 | 18 38 | 0 15 | 20 19 | 0 24 | 19 37 | 1 55 | 22 20 | 0 31 | 2 35 | 1 23 | 1 36 | 15 36 | 23 5 | 22 58 | 21 38 | 17 13 | 6 14 |
| T 27 | 16 18 | 15 39 | 3 46 | 12 30 | 1 0 | 1 29 | 1 4 | 18 50 | 0 16 | 20 19 | 0 24 | 19 36 | 1 55 | 22 19 | 0 31 | 2 34 | 1 23 | 1 35 | 15 36 | 23 5 | 22 59 | 21 37 | 17 13 | 6 14 |
| F 28 | 16 35 | 11 47 | 4 25 | 13 20 | 0 51 | 1 10 | 1 8 | 19 1 | 0 17 | 20 18 | 0 24 | 19 35 | 1 55 | 22 19 | 0 31 | 2 34 | 1 23 | 1 35 | 15 36 | 23 5 | 22 59 | 21 37 | 17 12 | 6 15 |
| S 29 | 16 52 | 7 20 | 4 52 | 14 9 | 0 41 | 0 51 | 1 13 | 19 12 | 0 17 | 20 18 | 0 24 | 19 35 | 1 55 | 22 19 | 0 31 | 2 33 | 1 23 | 1 35 | 15 36 | 23 5 | 22 59 | 21 36 | 17 11 | 6 15 |
| S 30 | 17n 8 | 2n28 | 5n 5 | 14n59 | 0s30 | 0s32 | 1s17 | 19n23 | 0n18 | 20s18 | 0s25 | 19s34 | 1n55 | 22n18 | 0n31 | 2s32 | 1s23 | 1s34 | 15s36 | 23n 6 | 22n59 | 21n35 | 17s11 | 6n16 |

Julian Day Number = 2220810.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'41, Lahiri = 15°02'42 Julian Calendar 1 Apr. 1368 == Greg. Calendar 9 Apr. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## MAY 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 8 46 | 18♉32'50 | 18♎36 | 14♉ 3 | 2♈37 | 25♉44 | 1♒32 | 6°R19 | 21♋34 | 26♓50 | 4♉48 | 10°R25 | 11♋48 | 1♌34 | 25°R12 | M 1 |
| T 2 | 15 12 43 | 19°30'31 | 2♏ 3 | 16°12 | 3°37 | 26°26 | 1°34 | 6♐15 | 21°36 | 26°52 | 4°49 | 10♋17 | 11°44 | 1°41 | 25♐ 9 | T 2 |
| W 3 | 15 16 39 | 20°28'10 | 15°49 | 18°22 | 4°37 | 27° 7 | 1°36 | 6°11 | 21°38 | 26°53 | 4°50 | 10° 9 | 11°41 | 1°48 | 25° 6 | W 3 |
| T 4 | 15 20 36 | 21°25'49 | 29°53 | 20°33 | 5°38 | 27°49 | 1°38 | 6° 7 | 21°40 | 26°55 | 4°52 | 10° 2 | 11°38 | 1°54 | 25° 3 | T 4 |
| F 5 | 15 24 32 | 22°23'26 | 14♐ 8 | 22°45 | 6°38 | 28°31 | 1°39 | 6° 3 | 21°42 | 26°56 | 4°53 | 9°58 | 11°35 | 2° 1 | 25° 0 | F 5 |
| S 6 | 15 28 29 | 23°21'02 | 28°31 | 24°56 | 7°39 | 29°13 | 1°40 | 5°59 | 21°45 | 26°57 | 4°54 | 9°55 | 11°32 | 2° 8 | 24°57 | S 6 |
| S 7 | 15 32 26 | 24°18'37 | 12♑56 | 27° 8 | 8°41 | 29°54 | 1°41 | 5°54 | 21°47 | 26°59 | 4°56 | 9°D55 | 11°29 | 2°14 | 24°54 | S 7 |
| M 8 | 15 36 22 | 25°16'11 | 27°18 | 29°19 | 9°42 | 0♊36 | 1°42 | 5°50 | 21°49 | 27° 0 | 4°57 | 9°56 | 11°25 | 2°21 | 24°51 | M 8 |
| T 9 | 15 40 19 | 26°13'44 | 11♒36 | 1♊30 | 10°44 | 1°17 | 1°43 | 5°46 | 21°52 | 27° 2 | 4°58 | 9°57 | 11°22 | 2°28 | 24°48 | T 9 |
| W10 | 15 44 15 | 27°11'16 | 25°46 | 3°40 | 11°47 | 1°59 | 1°43 | 5°41 | 21°54 | 27° 3 | 5° 0 | 9°R57 | 11°19 | 2°34 | 24°45 | W10 |
| T 11 | 15 48 12 | 28° 8'47 | 9♓47 | 5°48 | 12°49 | 2°40 | 1°43 | 5°37 | 21°57 | 27° 4 | 5° 1 | 9°57 | 11°16 | 2°41 | 24°41 | T 11 |
| F 12 | 15 52 8 | 29° 6'17 | 23°38 | 7°56 | 13°52 | 3°22 | 1°R43 | 5°33 | 21°59 | 27° 6 | 5° 2 | 9°55 | 11°13 | 2°48 | 24°38 | F 12 |
| S 13 | 15 56 5 | 0♊ 3'47 | 7♈18 | 10° 1 | 14°55 | 4° 3 | 1°43 | 5°28 | 22° 2 | 27° 7 | 5° 3 | 9°51 | 11° 9 | 2°54 | 24°35 | S 13 |
| S 14 | 16 0 2 | 1° 1'16 | 20°47 | 12° 5 | 15°58 | 4°44 | 1°43 | 5°24 | 22° 4 | 27° 8 | 5° 5 | 9°45 | 11° 6 | 3° 1 | 24°31 | S 14 |
| M15 | 16 3 58 | 1°58'44 | 4♉ 3 | 14° 7 | 17° 1 | 5°25 | 1°42 | 5°19 | 22° 7 | 27° 9 | 5° 6 | 9°39 | 11° 3 | 3° 8 | 24°28 | M15 |
| T 16 | 16 7 55 | 2°56'11 | 17° 5 | 16° 7 | 18° 5 | 6° 7 | 1°42 | 5°15 | 22°10 | 27°11 | 5° 7 | 9°33 | 11° 0 | 3°14 | 24°24 | T 16 |
| W17 | 16 11 51 | 3°53'37 | 29°52 | 18° 4 | 19° 9 | 6°48 | 1°41 | 5°11 | 22°12 | 27°12 | 5° 8 | 9°27 | 10°57 | 3°21 | 24°21 | W17 |
| T 18 | 16 15 48 | 4°51'02 | 12♊26 | 20° 0 | 20°13 | 7°29 | 1°40 | 5° 6 | 22°15 | 27°13 | 5°10 | 9°23 | 10°54 | 3°28 | 24°17 | T 18 |
| F 19 | 16 19 44 | 5°48'27 | 24°45 | 21°53 | 21°17 | 8°10 | 1°38 | 5° 2 | 22°18 | 27°14 | 5°11 | 9°21 | 10°50 | 3°34 | 24°13 | F 19 |
| S 20 | 16 23 41 | 6°45'50 | 6♋53 | 23°43 | 22°21 | 8°51 | 1°37 | 4°57 | 22°21 | 27°15 | 5°12 | 9°D20 | 10°47 | 3°41 | 24°10 | S 20 |
| S 21 | 16 27 37 | 7°43'13 | 18°50 | 25°31 | 23°26 | 9°32 | 1°35 | 4°53 | 22°23 | 27°16 | 5°13 | 9°20 | 10°44 | 3°48 | 24° 6 | S 21 |
| M22 | 16 31 34 | 8°40'34 | 0♌42 | 27°17 | 24°31 | 10°13 | 1°33 | 4°48 | 22°26 | 27°17 | 5°14 | 9°21 | 10°41 | 3°54 | 24° 2 | M22 |
| T 23 | 16 35 31 | 9°37'55 | 12°30 | 28°59 | 25°36 | 10°54 | 1°31 | 4°44 | 22°29 | 27°18 | 5°15 | 9°23 | 10°38 | 4° 1 | 23°59 | T 23 |
| W24 | 16 39 27 | 10°35'14 | 24°20 | 0♋40 | 26°41 | 11°35 | 1°29 | 4°40 | 22°32 | 27°19 | 5°17 | 9°25 | 10°35 | 4° 7 | 23°55 | W24 |
| T 25 | 16 43 24 | 11°32'33 | 6♍17 | 2°17 | 27°46 | 12°16 | 1°27 | 4°35 | 22°35 | 27°20 | 5°18 | 9°R26 | 10°31 | 4°14 | 23°51 | T 25 |
| F 26 | 16 47 20 | 12°29'50 | 18°24 | 3°52 | 28°52 | 12°56 | 1°24 | 4°31 | 22°38 | 27°21 | 5°19 | 9°26 | 10°28 | 4°21 | 23°47 | F 26 |
| S 27 | 16 51 17 | 13°27'07 | 0♎48 | 5°25 | 29°57 | 13°37 | 1°21 | 4°27 | 22°41 | 27°22 | 5°20 | 9°24 | 10°25 | 4°27 | 23°43 | S 27 |
| S 28 | 16 55 13 | 14°24'23 | 13°32 | 6°54 | 1♉ 3 | 14°18 | 1°18 | 4°22 | 22°44 | 27°23 | 5°21 | 9°22 | 10°22 | 4°34 | 23°39 | S 28 |
| M29 | 16 59 10 | 15°21'38 | 26°40 | 8°21 | 2° 9 | 14°59 | 1°15 | 4°18 | 22°47 | 27°23 | 5°22 | 9°19 | 10°19 | 4°41 | 23°36 | M29 |
| T 30 | 17 3 6 | 16°18'52 | 10♏12 | 9°45 | 3°15 | 15°39 | 1°12 | 4°14 | 22°50 | 27°24 | 5°23 | 9°16 | 10°15 | 4°47 | 23°32 | T 30 |
| W31 | 17 7 3 | 17♊16'05 | 24♏ 8 | 11♋ 7 | 4♉21 | 16♊20 | 1♒ 8 | 4♐ 9 | 22♋53 | 27♓25 | 5♉24 | 9♋13 | 10♋12 | 4♌54 | 23♐28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n24 | 2s38 | 5n 4 | 15n48 | 0s20 | 0s12 | 1s22 | 19n33 | 0n18 | 20s17 | 0s25 | 19s33 | 1n55 | 22n18 | 0n31 | 2s32 | 1s23 | 1s34 | 15s36 | 23n 7 | 23n 0 | 21n35 | 17s10 | 6n16 |
| T 2 | 17 40 | 7 46 | 4 45 | 16 36 | 0 9 | 0n 8 | 1 26 | 19 44 | 0 19 | 20 17 | 0 25 | 19 32 | 1 55 | 22 18 | 0 31 | 2 31 | 1 23 | 1 33 | 15 36 | 23 7 | 23 0 | 21 34 | 17 10 | 6 16 |
| W 3 | 17 56 | 12 39 | 4 10 | 17 23 | 0n 1 | 0 28 | 1 30 | 19 54 | 0 19 | 20 17 | 0 25 | 19 32 | 1 55 | 22 17 | 0 31 | 2 31 | 1 23 | 1 33 | 15 36 | 23 8 | 23 0 | 21 33 | 17 9 | 6 17 |
| T 4 | 18 11 | 16 57 | 3 19 | 18 8 | 0 12 | 0 49 | 1 34 | 20 4 | 0 20 | 20 17 | 0 25 | 19 31 | 1 55 | 22 17 | 0 31 | 2 30 | 1 23 | 1 33 | 15 36 | 23 8 | 23 1 | 21 33 | 17 9 | 6 17 |
| F 5 | 18 26 | 20 21 | 2 15 | 18 53 | 0 22 | 1 9 | 1 37 | 20 14 | 0 21 | 20 17 | 0 26 | 19 30 | 1 55 | 22 16 | 0 31 | 2 30 | 1 23 | 1 32 | 15 36 | 23 9 | 23 1 | 21 32 | 17 8 | 6 18 |
| S 6 | 18 40 | 22 29 | 1 1 | 19 36 | 0 33 | 1 30 | 1 41 | 20 24 | 0 21 | 20 16 | 0 26 | 19 30 | 1 55 | 22 16 | 0 31 | 2 29 | 1 23 | 1 32 | 15 37 | 23 9 | 23 1 | 21 31 | 17 7 | 6 18 |
| S 7 | 18 55 | 23 10 | 0s16 | 20 17 | 0 43 | 1 51 | 1 44 | 20 33 | 0 22 | 20 16 | 0 26 | 19 29 | 1 55 | 22 16 | 0 31 | 2 29 | 1 23 | 1 32 | 15 37 | 23 9 | 23 1 | 21 31 | 17 7 | 6 19 |
| M 8 | 19 9 | 22 17 | 1 33 | 20 55 | 0 52 | 2 13 | 1 47 | 20 43 | 0 22 | 20 16 | 0 26 | 19 28 | 1 55 | 22 15 | 0 31 | 2 28 | 1 23 | 1 31 | 15 37 | 23 9 | 23 2 | 21 30 | 17 6 | 6 19 |
| T 9 | 19 22 | 19 58 | 2 43 | 21 32 | 1 2 | 2 34 | 1 51 | 20 52 | 0 23 | 20 17 | 0 26 | 19 27 | 1 55 | 22 15 | 0 31 | 2 27 | 1 23 | 1 31 | 15 37 | 23 9 | 23 2 | 21 29 | 17 6 | 6 19 |
| W10 | 19 36 | 16 28 | 3 43 | 22 7 | 1 11 | 2 56 | 1 54 | 21 1 | 0 23 | 20 17 | 0 27 | 19 27 | 1 55 | 22 15 | 0 31 | 2 27 | 1 23 | 1 31 | 15 37 | 23 9 | 23 2 | 21 28 | 17 5 | 6 20 |
| T 11 | 19 49 | 12 4 | 4 28 | 22 39 | 1 19 | 3 18 | 1 56 | 21 9 | 0 24 | 20 17 | 0 27 | 19 26 | 1 55 | 22 14 | 0 31 | 2 27 | 1 23 | 1 30 | 15 37 | 23 9 | 23 2 | 21 28 | 17 5 | 6 20 |
| F 12 | 20 2 | 7 5 | 4 58 | 23 8 | 1 27 | 3 40 | 1 59 | 21 18 | 0 25 | 20 17 | 0 27 | 19 25 | 1 55 | 22 14 | 0 31 | 2 26 | 1 23 | 1 30 | 15 37 | 23 9 | 23 3 | 21 27 | 17 4 | 6 21 |
| S 13 | 20 14 | 1 50 | 5 10 | 23 35 | 1 34 | 4 2 | 2 2 | 21 26 | 0 25 | 20 17 | 0 27 | 19 25 | 1 55 | 22 13 | 0 31 | 2 26 | 1 23 | 1 30 | 15 37 | 23 9 | 23 3 | 21 26 | 17 4 | 6 21 |
| S 14 | 20 26 | 3n26 | 5 4 | 23 59 | 1 41 | 4 24 | 2 4 | 21 35 | 0 26 | 20 18 | 0 27 | 19 24 | 1 54 | 22 13 | 0 31 | 2 25 | 1 24 | 1 30 | 15 37 | 23 10 | 23 3 | 21 25 | 17 3 | 6 21 |
| M15 | 20 38 | 8 28 | 4 43 | 24 20 | 1 46 | 4 46 | 2 6 | 21 43 | 0 26 | 20 18 | 0 28 | 19 23 | 1 54 | 22 12 | 0 31 | 2 25 | 1 24 | 1 29 | 15 37 | 23 10 | 23 4 | 21 25 | 17 3 | 6 22 |
| T 16 | 20 49 | 13 3 | 4 7 | 24 39 | 1 52 | 5 8 | 2 8 | 21 50 | 0 27 | 20 18 | 0 28 | 19 22 | 1 54 | 22 12 | 0 31 | 2 24 | 1 24 | 1 29 | 15 38 | 23 11 | 23 4 | 21 24 | 17 2 | 6 22 |
| W17 | 21 0 | 16 57 | 3 19 | 24 55 | 1 56 | 5 31 | 2 10 | 21 58 | 0 27 | 20 19 | 0 28 | 19 22 | 1 54 | 22 11 | 0 31 | 2 24 | 1 24 | 1 29 | 15 38 | 23 11 | 23 4 | 21 23 | 17 2 | 6 22 |
| T 18 | 21 11 | 20 1 | 2 22 | 25 8 | 2 0 | 5 53 | 2 12 | 22 6 | 0 28 | 20 19 | 0 28 | 19 21 | 1 54 | 22 11 | 0 31 | 2 23 | 1 24 | 1 28 | 15 38 | 23 11 | 23 4 | 21 22 | 17 1 | 6 23 |
| F 19 | 21 21 | 22 6 | 1 19 | 25 19 | 2 3 | 6 16 | 2 14 | 22 13 | 0 28 | 20 20 | 0 29 | 19 20 | 1 54 | 22 11 | 0 31 | 2 23 | 1 24 | 1 28 | 15 38 | 23 11 | 23 5 | 21 22 | 17 1 | 6 23 |
| S 20 | 21 31 | 23 7 | 0 13 | 25 27 | 2 5 | 6 38 | 2 15 | 22 20 | 0 29 | 20 20 | 0 29 | 19 19 | 1 54 | 22 10 | 0 31 | 2 23 | 1 24 | 1 28 | 15 38 | 23 11 | 23 5 | 21 21 | 17 1 | 6 23 |
| S 21 | 21 40 | 23 3 | 0n52 | 25 33 | 2 6 | 7 1 | 2 17 | 22 27 | 0 30 | 20 21 | 0 29 | 19 19 | 1 54 | 22 10 | 0 31 | 2 22 | 1 24 | 1 28 | 15 38 | 23 11 | 23 5 | 21 20 | 17 0 | 6 24 |
| M22 | 21 49 | 21 56 | 1 55 | 25 36 | 2 7 | 7 23 | 2 18 | 22 33 | 0 30 | 20 21 | 0 29 | 19 18 | 1 54 | 22 9 | 0 31 | 2 22 | 1 24 | 1 28 | 15 38 | 23 11 | 23 5 | 21 19 | 17 0 | 6 24 |
| T 23 | 21 58 | 19 52 | 2 52 | 25 38 | 2 7 | 7 46 | 2 19 | 22 40 | 0 31 | 20 22 | 0 29 | 19 17 | 1 54 | 22 9 | 0 31 | 2 22 | 1 24 | 1 27 | 15 39 | 23 11 | 23 6 | 21 18 | 16 59 | 6 24 |
| W24 | 22 7 | 16 57 | 3 42 | 25 37 | 2 6 | 8 8 | 2 20 | 22 46 | 0 31 | 20 23 | 0 30 | 19 17 | 1 54 | 22 8 | 0 31 | 2 21 | 1 24 | 1 27 | 15 39 | 23 11 | 23 6 | 21 18 | 16 59 | 6 24 |
| T 25 | 22 15 | 13 19 | 4 24 | 25 34 | 2 4 | 8 31 | 2 21 | 22 52 | 0 32 | 20 23 | 0 30 | 19 16 | 1 54 | 22 8 | 0 31 | 2 21 | 1 24 | 1 27 | 15 39 | 23 11 | 23 6 | 21 17 | 16 58 | 6 25 |
| F 26 | 22 22 | 9 6 | 4 54 | 25 30 | 2 2 | 8 53 | 2 22 | 22 58 | 0 32 | 20 24 | 0 30 | 19 15 | 1 54 | 22 7 | 0 31 | 2 21 | 1 24 | 1 27 | 15 39 | 23 11 | 23 6 | 21 16 | 16 58 | 6 25 |
| S 27 | 22 30 | 4 26 | 5 11 | 25 24 | 1 59 | 9 16 | 2 23 | 23 3 | 0 33 | 20 25 | 0 30 | 19 14 | 1 54 | 22 7 | 0 31 | 2 20 | 1 24 | 1 26 | 15 39 | 23 11 | 23 7 | 21 15 | 16 58 | 6 25 |
| S 28 | 22 36 | 0s33 | 5 14 | 25 16 | 1 55 | 9 38 | 2 24 | 23 9 | 0 33 | 20 26 | 0 30 | 19 14 | 1 53 | 22 6 | 0 31 | 2 20 | 1 24 | 1 26 | 15 39 | 23 11 | 23 7 | 21 14 | 16 57 | 6 25 |
| M29 | 22 43 | 5 39 | 5 0 | 25 6 | 1 51 | 10 0 | 2 24 | 23 14 | 0 34 | 20 27 | 0 31 | 19 13 | 1 53 | 22 6 | 0 31 | 2 20 | 1 24 | 1 26 | 15 40 | 23 12 | 23 7 | 21 13 | 16 57 | 6 26 |
| T 30 | 22 49 | 10 39 | 4 30 | 24 55 | 1 46 | 10 23 | 2 24 | 23 19 | 0 34 | 20 28 | 0 31 | 19 12 | 1 53 | 22 5 | 0 31 | 2 20 | 1 24 | 1 26 | 15 40 | 23 12 | 23 7 | 21 13 | 16 56 | 6 26 |
| W31 | 22n55 | 15s16 | 3n43 | 24n43 | 1n40 | 10n45 | 2s25 | 23n24 | 0n35 | 20s29 | 0s31 | 19s12 | 1n53 | 22n 5 | 0n31 | 2s19 | 1s24 | 1s26 | 15s40 | 23n12 | 23n 8 | 21n12 | 16s56 | 6n26 |

Julian Day Number = 2220840.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'46, Lahiri = 15°02'46 Julian Calendar 1 May 1368 == Greg. Calendar 9 May 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## JUNE 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 11 0 | 18♊13'18 | 8♐27 | 12♋25 | 5♉28 | 17♊ 0 | 1°R 5 | 4°R 5 | 22♋57 | 27♓26 | 5♉25 | 9°R10 | 10♋ 9 | 5♌ 1 | 23°R24 | T 1 |
| F 2 | 17 14 56 | 19°10'30 | 23° 2 | 13°41 | 6°34 | 17°41 | 1♒ 1 | 4♐ 1 | 23° 0 | 27°26 | 5°26 | 9♋ 9 | 10° 6 | 5° 7 | 23♐20 | F 2 |
| S 3 | 17 18 53 | 20° 7'42 | 7♑48 | 14°54 | 7°41 | 18°21 | 0°57 | 3°57 | 23° 3 | 27°27 | 5°27 | 9°D 8 | 10° 3 | 5°14 | 23°16 | S 3 |
| S 4 | 17 22 49 | 21° 4'54 | 22°37 | 16° 4 | 8°48 | 19° 2 | 0°53 | 3°53 | 23° 6 | 27°27 | 5°28 | 9° 9 | 10° 0 | 5°21 | 23°12 | S 4 |
| M 5 | 17 26 46 | 22° 2'05 | 7♒23 | 17°11 | 9°55 | 19°42 | 0°49 | 3°49 | 23° 9 | 27°28 | 5°29 | 9° 9 | 9°56 | 5°27 | 23° 8 | M 5 |
| T 6 | 17 30 42 | 22°59'17 | 22° 0 | 18°15 | 11° 2 | 20°22 | 0°44 | 3°44 | 23°13 | 27°29 | 5°30 | 9°11 | 9°53 | 5°34 | 23° 4 | T 6 |
| W 7 | 17 34 39 | 23°56'28 | 6♓22 | 19°15 | 12° 9 | 21° 3 | 0°39 | 3°40 | 23°16 | 27°29 | 5°31 | 9°12 | 9°50 | 5°41 | 23° 0 | W 7 |
| T 8 | 17 38 35 | 24°53'39 | 20°27 | 20°13 | 13°17 | 21°43 | 0°35 | 3°36 | 23°19 | 27°30 | 5°32 | 9°R12 | 9°47 | 5°47 | 22°56 | T 8 |
| F 9 | 17 42 32 | 25°50'50 | 4♈15 | 21° 7 | 14°24 | 22°23 | 0°30 | 3°33 | 23°23 | 27°30 | 5°33 | 9°12 | 9°44 | 5°54 | 22°52 | F 9 |
| S 10 | 17 46 29 | 26°48'02 | 17°44 | 21°58 | 15°32 | 23° 3 | 0°24 | 3°29 | 23°26 | 27°30 | 5°34 | 9°11 | 9°41 | 6° 1 | 22°48 | S 10 |
| S 11 | 17 50 25 | 27°45'13 | 0♉57 | 22°45 | 16°39 | 23°43 | 0°19 | 3°25 | 23°30 | 27°31 | 5°35 | 9°10 | 9°37 | 6° 7 | 22°44 | S 11 |
| M12 | 17 54 22 | 28°42'24 | 13°53 | 23°28 | 17°47 | 24°24 | 0°14 | 3°21 | 23°33 | 27°31 | 5°36 | 9° 9 | 9°34 | 6°14 | 22°41 | M12 |
| T 13 | 17 58 18 | 29°39'36 | 26°34 | 24° 7 | 18°55 | 25° 4 | 0° 8 | 3°17 | 23°36 | 27°31 | 5°37 | 9° 8 | 9°31 | 6°21 | 22°37 | T 13 |
| W14 | 18 2 15 | 0♋36'48 | 9♊ 2 | 24°43 | 20° 3 | 25°44 | 0° 2 | 3°14 | 23°40 | 27°32 | 5°38 | 9° 6 | 9°28 | 6°27 | 22°33 | W14 |
| T 15 | 18 6 11 | 1°34'00 | 21°19 | 25°15 | 21°11 | 26°24 | 29♑57 | 3°10 | 23°43 | 27°32 | 5°39 | 9° 6 | 9°25 | 6°34 | 22°29 | T 15 |
| F 16 | 18 10 8 | 2°31'12 | 3♋25 | 25°42 | 22°20 | 27° 4 | 29°51 | 3° 6 | 23°47 | 27°32 | 5°39 | 9°D 5 | 9°21 | 6°41 | 22°25 | F 16 |
| S 17 | 18 14 4 | 3°28'23 | 15°24 | 26° 5 | 23°28 | 27°44 | 29°45 | 3° 3 | 23°50 | 27°32 | 5°40 | 9° 5 | 9°18 | 6°47 | 22°21 | S 17 |
| S 18 | 18 18 1 | 4°25'35 | 27°16 | 26°24 | 24°37 | 28°23 | 29°38 | 2°59 | 23°54 | 27°33 | 5°41 | 9° 6 | 9°15 | 6°54 | 22°17 | S 18 |
| M19 | 18 21 58 | 5°22'47 | 9♌ 5 | 26°38 | 25°45 | 29° 3 | 29°32 | 2°56 | 23°57 | 27°33 | 5°42 | 9° 6 | 9°12 | 7° 1 | 22°14 | M19 |
| T 20 | 18 25 54 | 6°19'59 | 20°53 | 26°47 | 26°54 | 29°43 | 29°25 | 2°53 | 24° 1 | 27°33 | 5°43 | 9° 6 | 9° 9 | 7° 7 | 22°10 | T 20 |
| W21 | 18 29 51 | 7°17'11 | 2♍44 | 26°52 | 28° 3 | 0♋23 | 29°19 | 2°49 | 24° 4 | 27°33 | 5°43 | 9° 7 | 9° 6 | 7°14 | 22° 6 | W21 |
| T 22 | 18 33 47 | 8°14'22 | 14°41 | 26°R52 | 29°11 | 1° 3 | 29°12 | 2°46 | 24° 8 | 27°R33 | 5°44 | 9° 7 | 9° 2 | 7°21 | 22° 3 | T 22 |
| F 23 | 18 37 44 | 9°11'34 | 26°48 | 26°47 | 0♊20 | 1°42 | 29° 5 | 2°43 | 24°12 | 27°33 | 5°45 | 9°R 7 | 8°59 | 7°27 | 21°59 | F 23 |
| S 24 | 18 41 40 | 10° 8'45 | 9♎10 | 26°38 | 1°29 | 2°22 | 28°59 | 2°40 | 24°15 | 27°33 | 5°45 | 9°D 7 | 8°56 | 7°34 | 21°55 | S 24 |
| S 25 | 18 45 37 | 11° 5'57 | 21°51 | 26°24 | 2°38 | 3° 2 | 28°52 | 2°37 | 24°19 | 27°33 | 5°46 | 9° 7 | 8°53 | 7°41 | 21°52 | S 25 |
| M26 | 18 49 33 | 12° 3'09 | 4♏54 | 26° 5 | 3°48 | 3°41 | 28°44 | 2°34 | 24°22 | 27°33 | 5°47 | 9° 7 | 8°50 | 7°47 | 21°48 | M26 |
| T 27 | 18 53 30 | 13° 0'20 | 18°23 | 25°43 | 4°57 | 4°21 | 28°37 | 2°31 | 24°26 | 27°32 | 5°47 | 9° 7 | 8°47 | 7°54 | 21°45 | T 27 |
| W28 | 18 57 27 | 13°57'32 | 2♐18 | 25°16 | 6° 6 | 5° 0 | 28°30 | 2°29 | 24°30 | 27°32 | 5°48 | 9° 8 | 8°43 | 8° 1 | 21°41 | W28 |
| T 29 | 19 1 23 | 14°54'44 | 16°39 | 24°45 | 7°16 | 5°40 | 28°23 | 2°26 | 24°33 | 27°32 | 5°49 | 9° 8 | 8°40 | 8° 7 | 21°38 | T 29 |
| F 30 | 19 5 20 | 15♋51'57 | 1♑22 | 24♋11 | 8♊25 | 6♋19 | 28♑15 | 2♐23 | 24♋37 | 27♓32 | 5♉49 | 9♋ 8 | 8♋37 | 8♌14 | 21♐34 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n 0 | 19s 8 | 2n41 | 24n29 | 1n33 | 11n 7 | 2s25 | 23n28 | 0n35 | 20s30 | 0s31 | 19s11 | 1n53 | 22n 4 | 0n31 | 2s19 | 1s24 | 1s26 | 15s40 | 23n12 | 23n 8 | 21n11 | 16s56 | 6n26 |
| F 2 | 23 5 | 21 53 | 1 28 | 24 15 | 1 26 | 11 28 | 2 25 | 23 32 | 0 36 | 20 31 | 0 31 | 19 10 | 1 53 | 22 3 | 0 31 | 2 19 | 1 24 | 1 26 | 15 40 | 23 12 | 23 8 | 21 10 | 16 55 | 6 26 |
| S 3 | 23 9 | 23 10 | 0 7 | 23 59 | 1 19 | 11 50 | 2 25 | 23 37 | 0 36 | 20 32 | 0 32 | 19 10 | 1 53 | 22 3 | 0 31 | 2 19 | 1 25 | 1 25 | 15 41 | 23 12 | 23 8 | 21 9 | 16 55 | 6 26 |
| S 4 | 23 13 | 22 50 | 1s14 | 23 43 | 1 10 | 12 12 | 2 25 | 23 41 | 0 37 | 20 33 | 0 32 | 19 9 | 1 53 | 22 2 | 0 31 | 2 18 | 1 25 | 1 25 | 15 41 | 23 12 | 23 9 | 21 8 | 16 55 | 6 27 |
| M 5 | 23 17 | 20 54 | 2 30 | 23 25 | 1 1 | 12 33 | 2 24 | 23 44 | 0 37 | 20 34 | 0 32 | 19 8 | 1 53 | 22 2 | 0 31 | 2 18 | 1 25 | 1 25 | 15 41 | 23 12 | 23 9 | 21 7 | 16 54 | 6 27 |
| T 6 | 23 20 | 17 37 | 3 35 | 23 7 | 0 51 | 12 54 | 2 24 | 23 48 | 0 38 | 20 35 | 0 32 | 19 8 | 1 52 | 22 1 | 0 31 | 2 18 | 1 25 | 1 25 | 15 41 | 23 12 | 23 9 | 21 6 | 16 54 | 6 27 |
| W 7 | 23 23 | 13 19 | 4 26 | 22 49 | 0 41 | 13 15 | 2 24 | 23 51 | 0 38 | 20 36 | 0 33 | 19 7 | 1 52 | 22 1 | 0 31 | 2 18 | 1 25 | 1 25 | 15 41 | 23 12 | 23 9 | 21 6 | 16 54 | 6 27 |
| T 8 | 23 25 | 8 23 | 5 0 | 22 30 | 0 30 | 13 36 | 2 23 | 23 54 | 0 39 | 20 38 | 0 33 | 19 7 | 1 52 | 22 0 | 0 31 | 2 18 | 1 25 | 1 25 | 15 42 | 23 12 | 23 10 | 21 5 | 16 54 | 6 27 |
| F 9 | 23 27 | 3 8 | 5 15 | 22 10 | 0 19 | 13 57 | 2 22 | 23 57 | 0 39 | 20 39 | 0 33 | 19 6 | 1 52 | 22 0 | 0 31 | 2 18 | 1 25 | 1 25 | 15 42 | 23 12 | 23 10 | 21 4 | 16 53 | 6 27 |
| S 10 | 23 29 | 2n10 | 5 13 | 21 51 | 0 7 | 14 17 | 2 22 | 24 0 | 0 40 | 20 40 | 0 33 | 19 5 | 1 52 | 21 59 | 0 31 | 2 18 | 1 25 | 1 25 | 15 42 | 23 12 | 23 10 | 21 3 | 16 53 | 6 27 |
| S 11 | 23 30 | 7 15 | 4 54 | 21 31 | 0s 5 | 14 37 | 2 21 | 24 2 | 0 40 | 20 42 | 0 33 | 19 5 | 1 52 | 21 58 | 0 31 | 2 17 | 1 25 | 1 25 | 15 42 | 23 12 | 23 10 | 21 2 | 16 53 | 6 27 |
| M12 | 23 31 | 11 55 | 4 21 | 21 11 | 0 18 | 14 57 | 2 20 | 24 5 | 0 41 | 20 43 | 0 34 | 19 4 | 1 52 | 21 58 | 0 31 | 2 17 | 1 25 | 1 25 | 15 42 | 23 12 | 23 10 | 21 1 | 16 52 | 6 27 |
| T 13 | 23 31 | 15 58 | 3 35 | 20 51 | 0 31 | 15 17 | 2 19 | 24 7 | 0 41 | 20 44 | 0 34 | 19 4 | 1 51 | 21 57 | 0 31 | 2 17 | 1 25 | 1 25 | 15 43 | 23 12 | 23 11 | 21 0 | 16 52 | 6 27 |
| W14 | 23 31 | 19 16 | 2 39 | 20 31 | 0 45 | 15 36 | 2 18 | 24 9 | 0 42 | 20 46 | 0 34 | 19 3 | 1 51 | 21 57 | 0 31 | 2 17 | 1 25 | 1 24 | 15 43 | 23 12 | 23 11 | 20 59 | 16 52 | 6 27 |
| T 15 | 23 31 | 21 37 | 1 37 | 20 12 | 0 59 | 15 56 | 2 16 | 24 10 | 0 42 | 20 47 | 0 34 | 19 3 | 1 51 | 21 56 | 0 31 | 2 17 | 1 25 | 1 24 | 15 43 | 23 12 | 23 11 | 20 58 | 16 52 | 6 27 |
| F 16 | 23 30 | 22 57 | 0 31 | 19 52 | 1 13 | 16 14 | 2 15 | 24 12 | 0 43 | 20 49 | 0 34 | 19 2 | 1 51 | 21 55 | 0 31 | 2 17 | 1 25 | 1 24 | 15 43 | 23 12 | 23 11 | 20 57 | 16 52 | 6 27 |
| S 17 | 23 28 | 23 12 | 0n35 | 19 34 | 1 28 | 16 33 | 2 14 | 24 13 | 0 43 | 20 50 | 0 35 | 19 2 | 1 51 | 21 55 | 0 31 | 2 17 | 1 25 | 1 24 | 15 44 | 23 12 | 23 12 | 20 56 | 16 51 | 6 27 |
| S 18 | 23 27 | 22 24 | 1 39 | 19 15 | 1 43 | 16 51 | 2 12 | 24 14 | 0 44 | 20 52 | 0 35 | 19 1 | 1 51 | 21 54 | 0 31 | 2 17 | 1 25 | 1 24 | 15 44 | 23 12 | 23 12 | 20 55 | 16 51 | 6 27 |
| M19 | 23 25 | 20 36 | 2 39 | 18 58 | 1 58 | 17 9 | 2 11 | 24 15 | 0 44 | 20 53 | 0 35 | 19 1 | 1 50 | 21 54 | 0 31 | 2 17 | 1 25 | 1 24 | 15 44 | 23 12 | 23 12 | 20 55 | 16 51 | 6 27 |
| T 20 | 23 22 | 17 55 | 3 32 | 18 41 | 2 13 | 17 26 | 2 9 | 24 16 | 0 45 | 20 55 | 0 35 | 19 0 | 1 50 | 21 53 | 0 31 | 2 17 | 1 25 | 1 24 | 15 44 | 23 12 | 23 12 | 20 54 | 16 51 | 6 27 |
| W21 | 23 19 | 14 31 | 4 16 | 18 26 | 2 28 | 17 43 | 2 7 | 24 16 | 0 45 | 20 56 | 0 35 | 19 0 | 1 50 | 21 52 | 0 31 | 2 17 | 1 26 | 1 24 | 15 45 | 23 12 | 23 12 | 20 53 | 16 51 | 6 27 |
| T 22 | 23 16 | 10 30 | 4 49 | 18 11 | 2 44 | 18 0 | 2 5 | 24 16 | 0 45 | 20 58 | 0 35 | 18 59 | 1 50 | 21 52 | 0 31 | 2 17 | 1 26 | 1 24 | 15 45 | 23 12 | 23 13 | 20 52 | 16 51 | 6 27 |
| F 23 | 23 12 | 6 1 | 5 10 | 17 57 | 2 58 | 18 17 | 2 4 | 24 16 | 0 46 | 21 0 | 0 36 | 18 59 | 1 50 | 21 51 | 0 31 | 2 17 | 1 26 | 1 24 | 15 45 | 23 12 | 23 13 | 20 51 | 16 50 | 6 27 |
| S 24 | 23 8 | 1 13 | 5 18 | 17 45 | 3 13 | 18 33 | 2 2 | 24 16 | 0 46 | 21 1 | 0 36 | 18 58 | 1 50 | 21 50 | 0 31 | 2 17 | 1 26 | 1 24 | 15 46 | 23 12 | 23 13 | 20 50 | 16 50 | 6 27 |
| S 25 | 23 3 | 3s45 | 5 10 | 17 33 | 3 27 | 18 48 | 2 0 | 24 16 | 0 47 | 21 3 | 0 36 | 18 58 | 1 49 | 21 50 | 0 31 | 2 17 | 1 26 | 1 25 | 15 46 | 23 12 | 23 13 | 20 49 | 16 50 | 6 27 |
| M26 | 22 58 | 8 42 | 4 46 | 17 23 | 3 41 | 19 3 | 1 58 | 24 15 | 0 47 | 21 4 | 0 36 | 18 58 | 1 49 | 21 49 | 0 31 | 2 17 | 1 26 | 1 25 | 15 46 | 23 12 | 23 14 | 20 48 | 16 50 | 6 27 |
| T 27 | 22 53 | 13 25 | 4 6 | 17 15 | 3 53 | 19 18 | 1 56 | 24 15 | 0 48 | 21 6 | 0 36 | 18 57 | 1 49 | 21 48 | 0 31 | 2 18 | 1 26 | 1 25 | 15 46 | 23 12 | 23 14 | 20 47 | 16 50 | 6 27 |
| W28 | 22 47 | 17 35 | 3 11 | 17 8 | 4 5 | 19 32 | 1 53 | 24 14 | 0 48 | 21 8 | 0 37 | 18 57 | 1 49 | 21 48 | 0 31 | 2 18 | 1 26 | 1 25 | 15 47 | 23 12 | 23 14 | 20 46 | 16 50 | 6 26 |
| T 29 | 22 41 | 20 50 | 2 2 | 17 3 | 4 16 | 19 46 | 1 51 | 24 12 | 0 49 | 21 9 | 0 37 | 18 57 | 1 49 | 21 47 | 0 31 | 2 18 | 1 26 | 1 25 | 15 47 | 23 12 | 23 14 | 20 45 | 16 50 | 6 26 |
| F 30 | 22n34 | 22s48 | 0n43 | 16n59 | 4s26 | 20n 0 | 1s49 | 24n11 | 0n49 | 21s11 | 0s37 | 18s56 | 1n48 | 21n47 | 0n31 | 2s18 | 1s26 | 1s25 | 15s47 | 23n12 | 23n14 | 20n44 | 16s50 | 6n26 |

Julian Day Number = 2220871.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'50, Lahiri = 15°02'50 Julian Calendar 1 June 1368 == Greg. Calendar 9 June 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## JULY 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 9 16 | 16♋49'10 | 16♑22 | 23°R34 | 9♊35 | 6♋59 | 28°R 8 | 2°R21 | 24♋41 | 27°R32 | 5♉50 | 9°R 8 | 8♋34 | 8♌21 | 21°R31 | S 1 |
| S 2 | 19 13 13 | 17°46'23 | 1♒29 | 22♋55 | 10°45 | 7°38 | 28♑ 1 | 2♐18 | 24°44 | 27♓31 | 5°50 | 9♋ 8 | 8°31 | 8°27 | 21♐28 | S 2 |
| M 3 | 19 17 9 | 18°43'37 | 16°36 | 22°14 | 11°55 | 8°18 | 27°53 | 2°16 | 24°48 | 27°31 | 5°51 | 9° 7 | 8°27 | 8°34 | 21°24 | M 3 |
| T 4 | 19 21 6 | 19°40'52 | 1♓32 | 21°33 | 13° 5 | 8°57 | 27°45 | 2°14 | 24°52 | 27°31 | 5°51 | 9° 6 | 8°24 | 8°41 | 21°21 | T 4 |
| W 5 | 19 25 3 | 20°38'07 | 16°11 | 20°51 | 14°15 | 9°36 | 27°38 | 2°11 | 24°55 | 27°30 | 5°52 | 9° 5 | 8°21 | 8°47 | 21°18 | W 5 |
| T 6 | 19 28 59 | 21°35'23 | 0♈29 | 20° 9 | 15°25 | 10°15 | 27°30 | 2° 9 | 24°59 | 27°30 | 5°52 | 9° 4 | 8°18 | 8°54 | 21°15 | T 6 |
| F 7 | 19 32 56 | 22°32'40 | 14°21 | 19°29 | 16°35 | 10°55 | 27°22 | 2° 7 | 25° 3 | 27°29 | 5°53 | 9° 3 | 8°15 | 9° 1 | 21°12 | F 7 |
| S 8 | 19 36 52 | 23°29'58 | 27°49 | 18°51 | 17°45 | 11°34 | 27°15 | 2° 5 | 25° 6 | 27°29 | 5°53 | 9°D 3 | 8°12 | 9° 7 | 21° 9 | S 8 |
| S 9 | 19 40 49 | 24°27'17 | 10♉54 | 18°15 | 18°55 | 12°13 | 27° 7 | 2° 3 | 25°10 | 27°28 | 5°54 | 9° 4 | 8° 8 | 9°14 | 21° 6 | S 9 |
| M10 | 19 44 45 | 25°24'38 | 23°39 | 17°43 | 20° 6 | 12°52 | 26°59 | 2° 2 | 25°14 | 27°28 | 5°54 | 9° 5 | 8° 5 | 9°21 | 21° 3 | M10 |
| T 11 | 19 48 42 | 26°21'59 | 6♊ 7 | 17°15 | 21°16 | 13°31 | 26°51 | 2° 0 | 25°17 | 27°27 | 5°54 | 9° 6 | 8° 2 | 9°27 | 21° 0 | T 11 |
| W12 | 19 52 38 | 27°19'21 | 18°21 | 16°51 | 22°27 | 14°10 | 26°44 | 1°58 | 25°21 | 27°27 | 5°55 | 9° 7 | 7°59 | 9°34 | 20°57 | W12 |
| T 13 | 19 56 35 | 28°16'45 | 0♋25 | 16°33 | 23°38 | 14°49 | 26°36 | 1°57 | 25°25 | 27°26 | 5°55 | 9° 8 | 7°56 | 9°41 | 20°55 | T 13 |
| F 14 | 20 0 32 | 29°14'09 | 12°21 | 16°20 | 24°48 | 15°28 | 26°28 | 1°55 | 25°28 | 27°25 | 5°55 | 9°R 8 | 7°53 | 9°47 | 20°52 | F 14 |
| S 15 | 20 4 28 | 0♌11'34 | 24°13 | 16°12 | 25°59 | 16° 7 | 26°20 | 1°54 | 25°32 | 27°25 | 5°56 | 9° 8 | 7°49 | 9°54 | 20°49 | S 15 |
| S 16 | 20 8 25 | 1° 9'01 | 6♌ 2 | 16°D11 | 27°10 | 16°46 | 26°12 | 1°53 | 25°36 | 27°24 | 5°56 | 9° 6 | 7°46 | 10° 1 | 20°47 | S 16 |
| M17 | 20 12 21 | 2° 6'28 | 17°50 | 16°16 | 28°21 | 17°25 | 26° 5 | 1°52 | 25°39 | 27°23 | 5°56 | 9° 3 | 7°43 | 10° 7 | 20°44 | M17 |
| T 18 | 20 16 18 | 3° 3'56 | 29°40 | 16°28 | 29°32 | 18° 4 | 25°57 | 1°51 | 25°43 | 27°22 | 5°56 | 8°59 | 7°40 | 10°14 | 20°42 | T 18 |
| W19 | 20 20 14 | 4° 1'25 | 11♍34 | 16°46 | 0♋43 | 18°43 | 25°49 | 1°50 | 25°47 | 27°22 | 5°57 | 8°55 | 7°37 | 10°21 | 20°40 | W19 |
| T 20 | 20 24 11 | 4°58'55 | 23°34 | 17°11 | 1°54 | 19°22 | 25°42 | 1°49 | 25°50 | 27°21 | 5°57 | 8°51 | 7°33 | 10°27 | 20°38 | T 20 |
| F 21 | 20 28 7 | 5°56'25 | 5♎44 | 17°42 | 3° 5 | 20° 1 | 25°34 | 1°48 | 25°54 | 27°20 | 5°57 | 8°47 | 7°30 | 10°34 | 20°35 | F 21 |
| S 22 | 20 32 4 | 6°53'57 | 18° 6 | 18°21 | 4°17 | 20°40 | 25°27 | 1°47 | 25°58 | 27°19 | 5°57 | 8°45 | 7°27 | 10°41 | 20°33 | S 22 |
| S 23 | 20 36 1 | 7°51'29 | 0♏45 | 19° 5 | 5°28 | 21°18 | 25°19 | 1°47 | 26° 1 | 27°18 | 5°57 | 8°43 | 7°24 | 10°47 | 20°31 | S 23 |
| M24 | 20 39 57 | 8°49'02 | 13°43 | 19°57 | 6°39 | 21°57 | 25°12 | 1°46 | 26° 5 | 27°17 | 5°57 | 8°D43 | 7°21 | 10°54 | 20°29 | M24 |
| T 25 | 20 43 54 | 9°46'37 | 27° 4 | 20°54 | 7°51 | 22°36 | 25° 5 | 1°46 | 26° 9 | 27°16 | 5°57 | 8°44 | 7°18 | 11° 1 | 20°27 | T 25 |
| W26 | 20 47 50 | 10°44'12 | 10♐50 | 21°58 | 9° 2 | 23°14 | 24°57 | 1°46 | 26°12 | 27°15 | 5°57 | 8°46 | 7°14 | 11° 7 | 20°26 | W26 |
| T 27 | 20 51 47 | 11°41'48 | 25° 3 | 23° 8 | 10°14 | 23°53 | 24°50 | 1°46 | 26°16 | 27°14 | 5°57 | 8°47 | 7°11 | 11°14 | 20°24 | T 27 |
| F 28 | 20 55 43 | 12°39'26 | 9♑40 | 24°23 | 11°26 | 24°32 | 24°43 | 1°D45 | 26°19 | 27°13 | 5°R57 | 8°R48 | 7° 8 | 11°21 | 20°22 | F 28 |
| S 29 | 20 59 40 | 13°37'04 | 24°38 | 25°44 | 12°37 | 25°10 | 24°36 | 1°45 | 26°23 | 27°12 | 5°57 | 8°47 | 7° 5 | 11°27 | 20°21 | S 29 |
| S 30 | 21 3 36 | 14°34'44 | 9♒50 | 27°11 | 13°49 | 25°49 | 24°29 | 1°46 | 26°27 | 27°11 | 5°57 | 8°44 | 7° 2 | 11°34 | 20°19 | S 30 |
| M31 | 21 7 33 | 15♌32'25 | 25♒ 5 | 28♋42 | 15♋ 1 | 26♋27 | 24♑22 | 1♐46 | 26♋30 | 27♓10 | 5♉57 | 8♋40 | 6♋59 | 11♌41 | 20♐18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n27 | 23s11 | 0s40 | 16n57 | 4s35 | 20n12 | 1s47 | 24n10 | 0n49 | 21s13 | 0s37 | 18s56 | 1n48 | 21n46 | 0n31 | 2s18 | 1s26 | 1s25 | 15s47 | 23n12 | 23n15 | 20n43 | 16s50 | 6n26 |
| S 2 | 22 20 | 21 52 | 2 1 | 16 56 | 4 42 | 20 25 | 1 44 | 24 8 | 0 50 | 21 14 | 0 37 | 18 56 | 1 48 | 21 45 | 0 31 | 2 18 | 1 26 | 1 25 | 15 48 | 23 12 | 23 15 | 20 42 | 16 50 | 6 26 |
| M 3 | 22 12 | 18 59 | 3 13 | 16 57 | 4 47 | 20 37 | 1 42 | 24 6 | 0 50 | 21 16 | 0 37 | 18 55 | 1 48 | 21 45 | 0 31 | 2 18 | 1 26 | 1 25 | 15 48 | 23 12 | 23 15 | 20 41 | 16 50 | 6 26 |
| T 4 | 22 4 | 14 53 | 4 11 | 17 0 | 4 51 | 20 48 | 1 39 | 24 4 | 0 51 | 21 18 | 0 38 | 18 55 | 1 48 | 21 44 | 0 31 | 2 19 | 1 26 | 1 25 | 15 48 | 23 12 | 23 15 | 20 40 | 16 50 | 6 25 |
| W 5 | 21 56 | 9 57 | 4 52 | 17 4 | 4 53 | 20 59 | 1 37 | 24 1 | 0 51 | 21 19 | 0 38 | 18 55 | 1 47 | 21 43 | 0 31 | 2 19 | 1 26 | 1 25 | 15 49 | 23 13 | 23 15 | 20 39 | 16 50 | 6 25 |
| T 6 | 21 47 | 4 36 | 5 13 | 17 9 | 4 54 | 21 10 | 1 34 | 23 59 | 0 52 | 21 21 | 0 38 | 18 55 | 1 47 | 21 43 | 0 31 | 2 19 | 1 26 | 1 26 | 15 49 | 23 13 | 23 16 | 20 37 | 16 50 | 6 25 |
| F 7 | 21 38 | 0n50 | 5 15 | 17 16 | 4 53 | 21 19 | 1 32 | 23 56 | 0 52 | 21 23 | 0 38 | 18 54 | 1 47 | 21 42 | 0 31 | 2 19 | 1 26 | 1 26 | 15 49 | 23 13 | 23 16 | 20 36 | 16 50 | 6 25 |
| S 8 | 21 28 | 6 4 | 5 0 | 17 24 | 4 50 | 21 29 | 1 29 | 23 53 | 0 52 | 21 24 | 0 38 | 18 54 | 1 47 | 21 41 | 0 31 | 2 20 | 1 26 | 1 26 | 15 49 | 23 13 | 23 16 | 20 35 | 16 50 | 6 25 |
| S 9 | 21 18 | 10 53 | 4 29 | 17 34 | 4 45 | 21 38 | 1 26 | 23 50 | 0 53 | 21 26 | 0 38 | 18 54 | 1 47 | 21 41 | 0 31 | 2 20 | 1 27 | 1 26 | 15 50 | 23 13 | 23 16 | 20 34 | 16 50 | 6 24 |
| M10 | 21 8 | 15 6 | 3 46 | 17 44 | 4 39 | 21 46 | 1 23 | 23 47 | 0 53 | 21 28 | 0 38 | 18 54 | 1 46 | 21 40 | 0 31 | 2 20 | 1 27 | 1 26 | 15 50 | 23 13 | 23 16 | 20 33 | 16 50 | 6 24 |
| T 11 | 20 57 | 18 34 | 2 53 | 17 55 | 4 31 | 21 53 | 1 21 | 23 43 | 0 54 | 21 29 | 0 39 | 18 54 | 1 46 | 21 39 | 0 31 | 2 20 | 1 27 | 1 26 | 15 50 | 23 12 | 23 17 | 20 32 | 16 50 | 6 24 |
| W12 | 20 46 | 21 8 | 1 52 | 18 7 | 4 22 | 22 1 | 1 18 | 23 40 | 0 54 | 21 31 | 0 39 | 18 54 | 1 46 | 21 39 | 0 31 | 2 21 | 1 27 | 1 26 | 15 51 | 23 12 | 23 17 | 20 31 | 16 50 | 6 24 |
| T 13 | 20 35 | 22 43 | 0 48 | 18 20 | 4 11 | 22 7 | 1 15 | 23 36 | 0 54 | 21 33 | 0 39 | 18 54 | 1 46 | 21 38 | 0 31 | 2 21 | 1 27 | 1 27 | 15 51 | 23 12 | 23 17 | 20 30 | 16 50 | 6 23 |
| F 14 | 20 23 | 23 14 | 0n18 | 18 33 | 4 0 | 22 13 | 1 12 | 23 32 | 0 55 | 21 34 | 0 39 | 18 54 | 1 46 | 21 37 | 0 31 | 2 21 | 1 27 | 1 27 | 15 51 | 23 12 | 23 17 | 20 29 | 16 50 | 6 23 |
| S 15 | 20 11 | 22 42 | 1 22 | 18 47 | 3 47 | 22 18 | 1 9 | 23 28 | 0 55 | 21 36 | 0 39 | 18 54 | 1 45 | 21 37 | 0 31 | 2 22 | 1 27 | 1 27 | 15 52 | 23 12 | 23 17 | 20 28 | 16 50 | 6 23 |
| S 16 | 19 58 | 21 8 | 2 23 | 19 0 | 3 33 | 22 23 | 1 6 | 23 23 | 0 56 | 21 37 | 0 39 | 18 54 | 1 45 | 21 36 | 0 31 | 2 22 | 1 27 | 1 27 | 15 52 | 23 12 | 23 18 | 20 27 | 16 50 | 6 23 |
| M17 | 19 45 | 18 40 | 3 17 | 19 14 | 3 19 | 22 27 | 1 3 | 23 19 | 0 56 | 21 39 | 0 39 | 18 53 | 1 45 | 21 35 | 0 31 | 2 22 | 1 27 | 1 27 | 15 52 | 23 13 | 23 18 | 20 26 | 16 50 | 6 22 |
| T 18 | 19 32 | 15 25 | 4 3 | 19 28 | 3 4 | 22 31 | 1 0 | 23 14 | 0 57 | 21 41 | 0 40 | 18 54 | 1 45 | 21 35 | 0 31 | 2 23 | 1 27 | 1 28 | 15 52 | 23 13 | 23 18 | 20 25 | 16 51 | 6 22 |
| W19 | 19 19 | 11 32 | 4 39 | 19 41 | 2 48 | 22 34 | 0 57 | 23 9 | 0 57 | 21 42 | 0 40 | 18 54 | 1 44 | 21 34 | 0 31 | 2 23 | 1 27 | 1 28 | 15 53 | 23 13 | 23 18 | 20 23 | 16 51 | 6 22 |
| T 20 | 19 5 | 7 11 | 5 3 | 19 54 | 2 32 | 22 36 | 0 54 | 23 4 | 0 57 | 21 44 | 0 40 | 18 54 | 1 44 | 21 33 | 0 31 | 2 23 | 1 27 | 1 28 | 15 53 | 23 13 | 23 18 | 20 22 | 16 51 | 6 21 |
| F 21 | 18 51 | 2 30 | 5 13 | 20 6 | 2 16 | 22 38 | 0 51 | 22 58 | 0 58 | 21 45 | 0 40 | 18 54 | 1 44 | 21 33 | 0 31 | 2 24 | 1 27 | 1 28 | 15 53 | 23 14 | 23 18 | 20 21 | 16 51 | 6 21 |
| S 22 | 18 37 | 2s21 | 5 9 | 20 17 | 2 0 | 22 39 | 0 48 | 22 53 | 0 58 | 21 47 | 0 40 | 18 54 | 1 44 | 21 32 | 0 31 | 2 24 | 1 27 | 1 29 | 15 54 | 23 14 | 23 19 | 20 20 | 16 51 | 6 21 |
| S 23 | 18 22 | 7 14 | 4 51 | 20 27 | 1 44 | 22 39 | 0 45 | 22 47 | 0 58 | 21 48 | 0 40 | 18 54 | 1 44 | 21 31 | 0 31 | 2 25 | 1 27 | 1 29 | 15 54 | 23 14 | 23 19 | 20 19 | 16 51 | 6 20 |
| M24 | 18 7 | 11 55 | 4 17 | 20 35 | 1 28 | 22 39 | 0 42 | 22 42 | 0 59 | 21 50 | 0 40 | 18 54 | 1 43 | 21 31 | 0 31 | 2 25 | 1 27 | 1 29 | 15 54 | 23 14 | 23 19 | 20 18 | 16 52 | 6 20 |
| T 25 | 17 52 | 16 11 | 3 29 | 20 43 | 1 12 | 22 38 | 0 39 | 22 36 | 0 59 | 21 51 | 0 40 | 18 54 | 1 43 | 21 30 | 0 31 | 2 25 | 1 27 | 1 29 | 15 55 | 23 14 | 23 19 | 20 17 | 16 52 | 6 20 |
| W26 | 17 36 | 19 43 | 2 27 | 20 48 | 0 56 | 22 36 | 0 36 | 22 30 | 1 0 | 21 52 | 0 40 | 18 54 | 1 43 | 21 29 | 0 31 | 2 26 | 1 27 | 1 30 | 15 55 | 23 14 | 23 19 | 20 15 | 16 52 | 6 19 |
| T 27 | 17 20 | 22 11 | 1 14 | 20 52 | 0 41 | 22 34 | 0 33 | 22 23 | 1 0 | 21 54 | 0 40 | 18 54 | 1 43 | 21 29 | 0 31 | 2 26 | 1 27 | 1 30 | 15 55 | 23 14 | 23 20 | 20 14 | 16 52 | 6 19 |
| F 28 | 17 4 | 23 15 | 0s 5 | 20 53 | 0 26 | 22 31 | 0 30 | 22 17 | 1 0 | 21 55 | 0 41 | 18 55 | 1 42 | 21 28 | 0 31 | 2 27 | 1 27 | 1 30 | 15 56 | 23 14 | 23 20 | 20 13 | 16 53 | 6 19 |
| S 29 | 16 48 | 22 40 | 1 25 | 20 53 | 0 12 | 22 28 | 0 27 | 22 10 | 1 1 | 21 57 | 0 41 | 18 55 | 1 42 | 21 27 | 0 31 | 2 27 | 1 27 | 1 31 | 15 56 | 23 14 | 23 20 | 20 12 | 16 53 | 6 18 |
| S 30 | 16 31 | 20 26 | 2 41 | 20 50 | 0n 2 | 22 24 | 0 24 | 22 3 | 1 1 | 21 58 | 0 41 | 18 55 | 1 42 | 21 27 | 0 31 | 2 28 | 1 27 | 1 31 | 15 56 | 23 14 | 23 20 | 20 11 | 16 53 | 6 18 |
| M31 | 16n14 | 16s44 | 3s46 | 20n44 | 0n15 | 22n19 | 0s21 | 21n56 | 1n 1 | 21s59 | 0s41 | 18s55 | 1n42 | 21n26 | 0n31 | 2s28 | 1s28 | 1s31 | 15s56 | 23n14 | 23n20 | 20n10 | 16s53 | 6n17 |

Julian Day Number = 2220901.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'54, Lahiri = 15°02'54 Julian Calendar 1 July 1368 == Greg. Calendar 9 July 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## AUGUST 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 11 30 | 16♌30'07 | 10♓15 | 0♌17 | 16♋13 | 27♋ 6 | 24°R16 | 1♐46 | 26♋34 | 27°R 9 | 5°R57 | 8°R35 | 6♋55 | 11♌47 | 20°R17 | T 1 |
| W 2 | 21 15 26 | 17°27'50 | 25° 8 | 1°57 | 17°25 | 27°44 | 24♑ 9 | 1°46 | 26°37 | 27♓ 7 | 5♉57 | 8♋29 | 6°52 | 11°54 | 20♐15 | W 2 |
| T 3 | 21 19 23 | 18°25'36 | 9♈38 | 3°41 | 18°37 | 28°23 | 24° 3 | 1°47 | 26°41 | 27° 6 | 5°57 | 8°24 | 6°49 | 12° 1 | 20°14 | T 3 |
| F 4 | 21 23 19 | 19°23'23 | 23°40 | 5°27 | 19°49 | 29° 1 | 23°56 | 1°47 | 26°44 | 27° 5 | 5°57 | 8°20 | 6°46 | 12° 7 | 20°13 | F 4 |
| S 5 | 21 27 16 | 20°21'12 | 7♉13 | 7°17 | 21° 2 | 29°39 | 23°50 | 1°48 | 26°48 | 27° 4 | 5°57 | 8°17 | 6°43 | 12°14 | 20°12 | S 5 |
| S 6 | 21 31 12 | 21°19'02 | 20°19 | 9° 9 | 22°14 | 0♌18 | 23°44 | 1°49 | 26°51 | 27° 2 | 5°57 | 8°D17 | 6°39 | 12°21 | 20°11 | S 6 |
| M 7 | 21 35 9 | 22°16'55 | 3♊ 0 | 11° 3 | 23°26 | 0°56 | 23°38 | 1°50 | 26°54 | 27° 1 | 5°56 | 8°17 | 6°36 | 12°27 | 20°10 | M 7 |
| T 8 | 21 39 5 | 23°14'49 | 15°22 | 12°59 | 24°39 | 1°34 | 23°32 | 1°51 | 26°58 | 27° 0 | 5°56 | 8°18 | 6°33 | 12°34 | 20° 9 | T 8 |
| W 9 | 21 43 2 | 24°12'45 | 27°30 | 14°56 | 25°51 | 2°13 | 23°26 | 1°52 | 27° 1 | 26°59 | 5°56 | 8°20 | 6°30 | 12°41 | 20° 9 | W 9 |
| T 10 | 21 46 59 | 25°10'43 | 9♋26 | 16°53 | 27° 4 | 2°51 | 23°21 | 1°53 | 27° 5 | 26°57 | 5°56 | 8°R20 | 6°27 | 12°47 | 20° 8 | T 10 |
| F 11 | 21 50 55 | 26° 8'43 | 21°17 | 18°51 | 28°16 | 3°29 | 23°15 | 1°54 | 27° 8 | 26°56 | 5°55 | 8°19 | 6°24 | 12°54 | 20° 8 | F 11 |
| S 12 | 21 54 52 | 27° 6'44 | 3♌ 4 | 20°50 | 29°29 | 4° 8 | 23°10 | 1°56 | 27°11 | 26°54 | 5°55 | 8°16 | 6°20 | 13° 1 | 20° 7 | S 12 |
| S 13 | 21 58 48 | 28° 4'47 | 14°53 | 22°48 | 0♌42 | 4°46 | 23° 5 | 1°57 | 27°15 | 26°53 | 5°55 | 8°11 | 6°17 | 13° 7 | 20° 7 | S 13 |
| M14 | 22 2 45 | 29° 2'52 | 26°44 | 24°46 | 1°55 | 5°24 | 23° 0 | 1°59 | 27°18 | 26°52 | 5°55 | 8° 3 | 6°14 | 13°14 | 20° 7 | M14 |
| T 15 | 22 6 41 | 0♍ 0'58 | 8♍39 | 26°44 | 3° 7 | 6° 2 | 22°55 | 2° 0 | 27°21 | 26°50 | 5°54 | 7°54 | 6°11 | 13°21 | 20° 7 | T 15 |
| W16 | 22 10 38 | 0°59'07 | 20°40 | 28°41 | 4°20 | 6°40 | 22°51 | 2° 2 | 27°24 | 26°49 | 5°54 | 7°44 | 6° 8 | 13°27 | 20°D 6 | W16 |
| T 17 | 22 14 34 | 1°57'16 | 2♎49 | 0♍38 | 5°33 | 7°18 | 22°46 | 2° 4 | 27°28 | 26°47 | 5°53 | 7°34 | 6° 4 | 13°34 | 20° 6 | T 17 |
| F 18 | 22 18 31 | 2°55'28 | 15° 8 | 2°33 | 6°46 | 7°56 | 22°42 | 2° 6 | 27°31 | 26°46 | 5°53 | 7°25 | 6° 1 | 13°41 | 20° 7 | F 18 |
| S 19 | 22 22 27 | 3°53'41 | 27°36 | 4°28 | 7°59 | 8°34 | 22°38 | 2° 8 | 27°34 | 26°44 | 5°53 | 7°18 | 5°58 | 13°47 | 20° 7 | S 19 |
| S 20 | 22 26 24 | 4°51'55 | 10♏18 | 6°21 | 9°13 | 9°12 | 22°34 | 2°10 | 27°37 | 26°43 | 5°52 | 7°13 | 5°55 | 13°54 | 20° 7 | S 20 |
| M21 | 22 30 21 | 5°50'11 | 23°16 | 8°14 | 10°26 | 9°50 | 22°30 | 2°12 | 27°40 | 26°41 | 5°52 | 7°10 | 5°52 | 14° 1 | 20° 7 | M21 |
| T 22 | 22 34 17 | 6°48'29 | 6♐32 | 10° 6 | 11°39 | 10°28 | 22°26 | 2°14 | 27°43 | 26°40 | 5°51 | 7°D 9 | 5°49 | 14° 7 | 20° 8 | T 22 |
| W23 | 22 38 14 | 7°46'48 | 20° 9 | 11°56 | 12°52 | 11° 6 | 22°23 | 2°17 | 27°46 | 26°38 | 5°51 | 7° 9 | 5°45 | 14°14 | 20° 8 | W23 |
| T 24 | 22 42 10 | 8°45'09 | 4♑ 9 | 13°45 | 14° 6 | 11°44 | 22°20 | 2°19 | 27°49 | 26°37 | 5°50 | 7°R10 | 5°42 | 14°21 | 20° 9 | T 24 |
| F 25 | 22 46 7 | 9°43'32 | 18°32 | 15°34 | 15°19 | 12°22 | 22°16 | 2°22 | 27°52 | 26°35 | 5°50 | 7°10 | 5°39 | 14°27 | 20°10 | F 25 |
| S 26 | 22 50 3 | 10°41'56 | 3♒15 | 17°21 | 16°32 | 13° 0 | 22°14 | 2°24 | 27°55 | 26°34 | 5°49 | 7° 7 | 5°36 | 14°34 | 20°10 | S 26 |
| S 27 | 22 54 0 | 11°40'21 | 18°15 | 19° 7 | 17°46 | 13°38 | 22°11 | 2°27 | 27°58 | 26°32 | 5°48 | 7° 2 | 5°33 | 14°41 | 20°11 | S 27 |
| M28 | 22 57 56 | 12°38'49 | 3♓24 | 20°52 | 18°59 | 14°15 | 22° 8 | 2°30 | 28° 1 | 26°30 | 5°48 | 6°55 | 5°30 | 14°47 | 20°12 | M28 |
| T 29 | 23 1 53 | 13°37'18 | 18°31 | 22°36 | 20°13 | 14°53 | 22° 6 | 2°33 | 28° 4 | 26°29 | 5°47 | 6°46 | 5°26 | 14°54 | 20°13 | T 29 |
| W30 | 23 5 50 | 14°35'49 | 3♈26 | 24°18 | 21°27 | 15°31 | 22° 4 | 2°36 | 28° 7 | 26°27 | 5°47 | 6°35 | 5°23 | 15° 1 | 20°14 | W30 |
| T 31 | 23 9 46 | 15♍34'22 | 18♈ 1 | 26♍ 0 | 22♌40 | 16♌ 9 | 22♑ 2 | 2♐39 | 28♋ 9 | 26♓26 | 5♉46 | 6♋26 | 5♋20 | 15♌ 8 | 20♐16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15n57 | 11s58 | 4s34 | 20n36 | 0n27 | 22n14 | 0s18 | 21n49 | 1n 2 | 22s 0 | 0s41 | 18s56 | 1n42 | 21n25 | 0n31 | 2s29 | 1s28 | 1s31 | 15s57 | 23n15 | 23n20 | 20n 8 | 16s54 | 6n17 | |
| W 2 | 15 39 | 6 34 | 5 2 | 20 25 | 0 39 | 22 8 | 0 15 | 21 42 | 1 2 | 22 2 | 0 41 | 18 56 | 1 41 | 21 25 | 0 31 | 2 29 | 1 28 | 1 32 | 15 57 | 23 15 | 23 21 | 20 7 | 16 54 | 6 17 | |
| T 3 | 15 21 | 0 56 | 5 10 | 20 12 | 0 49 | 22 1 | 0 12 | 21 35 | 1 3 | 22 3 | 0 41 | 18 56 | 1 41 | 21 24 | 0 31 | 2 30 | 1 28 | 1 32 | 15 57 | 23 15 | 23 21 | 20 6 | 16 54 | 6 16 | |
| F 4 | 15 3 | 4n34 | 5 0 | 19 55 | 0 59 | 21 54 | 0 9 | 21 27 | 1 3 | 22 4 | 0 41 | 18 57 | 1 41 | 21 23 | 0 31 | 2 30 | 1 28 | 1 32 | 15 58 | 23 15 | 23 21 | 20 5 | 16 55 | 6 16 | |
| S 5 | 14 45 | 9 41 | 4 32 | 19 36 | 1 8 | 21 46 | 0 6 | 21 19 | 1 3 | 22 5 | 0 41 | 18 57 | 1 41 | 21 23 | 0 31 | 2 31 | 1 28 | 1 33 | 15 58 | 23 16 | 23 21 | 20 4 | 16 55 | 6 15 | |
| S 6 | 14 27 | 14 10 | 3 51 | 19 15 | 1 16 | 21 38 | 0 3 | 21 12 | 1 4 | 22 6 | 0 41 | 18 57 | 1 40 | 21 22 | 0 31 | 2 31 | 1 28 | 1 33 | 15 58 | 23 16 | 23 21 | 20 2 | 16 55 | 6 15 | |
| M 7 | 14 8 | 17 53 | 3 0 | 18 50 | 1 23 | 21 28 | 0 0 | 21 4 | 1 4 | 22 7 | 0 41 | 18 58 | 1 40 | 21 21 | 0 31 | 2 32 | 1 28 | 1 33 | 15 59 | 23 16 | 23 21 | 20 1 | 16 56 | 6 15 | |
| T 8 | 13 49 | 20 42 | 2 1 | 18 23 | 1 29 | 21 19 | 0n 3 | 20 55 | 1 4 | 22 8 | 0 41 | 18 58 | 1 40 | 21 21 | 0 31 | 2 32 | 1 28 | 1 34 | 15 59 | 23 16 | 23 21 | 20 0 | 16 56 | 6 14 | |
| W 9 | 13 30 | 22 31 | 0 58 | 17 54 | 1 34 | 21 8 | 0 5 | 20 47 | 1 5 | 22 10 | 0 41 | 18 59 | 1 40 | 21 20 | 0 31 | 2 33 | 1 28 | 1 34 | 15 59 | 23 15 | 23 22 | 19 59 | 16 56 | 6 14 | |
| T 10 | 13 10 | 23 17 | 0n 6 | 17 23 | 1 38 | 20 57 | 0 8 | 20 39 | 1 5 | 22 11 | 0 41 | 18 59 | 1 39 | 21 19 | 0 31 | 2 34 | 1 28 | 1 34 | 15 59 | 23 15 | 23 22 | 19 57 | 16 57 | 6 13 | |
| F 11 | 12 51 | 22 58 | 1 9 | 16 50 | 1 41 | 20 46 | 0 11 | 20 30 | 1 5 | 22 12 | 0 42 | 19 0 | 1 39 | 21 19 | 0 31 | 2 34 | 1 28 | 1 35 | 16 0 | 23 16 | 23 22 | 19 56 | 16 57 | 6 13 | |
| S 12 | 12 31 | 21 38 | 2 9 | 16 14 | 1 44 | 20 33 | 0 14 | 20 21 | 1 6 | 22 12 | 0 42 | 19 0 | 1 39 | 21 18 | 0 31 | 2 35 | 1 28 | 1 35 | 16 0 | 23 16 | 23 22 | 19 55 | 16 58 | 6 13 | |
| S 13 | 12 11 | 19 21 | 3 4 | 15 37 | 1 46 | 20 21 | 0 17 | 20 13 | 1 6 | 22 13 | 0 42 | 19 1 | 1 39 | 21 17 | 0 31 | 2 35 | 1 28 | 1 36 | 16 0 | 23 16 | 23 22 | 19 54 | 16 58 | 6 12 | |
| M14 | 11 51 | 16 15 | 3 50 | 14 59 | 1 47 | 20 7 | 0 19 | 20 4 | 1 6 | 22 14 | 0 42 | 19 1 | 1 39 | 21 17 | 0 31 | 2 36 | 1 28 | 1 36 | 16 1 | 23 17 | 23 22 | 19 52 | 16 58 | 6 12 | |
| T 15 | 11 30 | 12 28 | 4 27 | 14 19 | 1 47 | 19 53 | 0 22 | 19 54 | 1 7 | 22 15 | 0 42 | 19 2 | 1 38 | 21 16 | 0 31 | 2 36 | 1 28 | 1 36 | 16 1 | 23 17 | 23 23 | 19 51 | 16 59 | 6 11 | |
| W16 | 11 10 | 8 11 | 4 52 | 13 38 | 1 46 | 19 39 | 0 25 | 19 45 | 1 7 | 22 16 | 0 42 | 19 2 | 1 38 | 21 16 | 0 31 | 2 37 | 1 28 | 1 37 | 16 1 | 23 18 | 23 23 | 19 50 | 16 59 | 6 11 | |
| T 17 | 10 49 | 3 31 | 5 4 | 12 56 | 1 45 | 19 23 | 0 28 | 19 36 | 1 7 | 22 17 | 0 42 | 19 3 | 1 38 | 21 15 | 0 31 | 2 38 | 1 28 | 1 37 | 16 1 | 23 18 | 23 23 | 19 49 | 17 0 | 6 10 | |
| F 18 | 10 28 | 1s20 | 5 3 | 12 13 | 1 44 | 19 8 | 0 30 | 19 26 | 1 8 | 22 17 | 0 42 | 19 3 | 1 38 | 21 14 | 0 31 | 2 38 | 1 28 | 1 37 | 16 2 | 23 19 | 23 23 | 19 47 | 17 0 | 6 10 | |
| S 19 | 10 7 | 6 12 | 4 47 | 11 29 | 1 42 | 18 51 | 0 33 | 19 17 | 1 8 | 22 18 | 0 42 | 19 4 | 1 37 | 21 14 | 0 31 | 2 39 | 1 28 | 1 38 | 16 2 | 23 19 | 23 23 | 19 46 | 17 1 | 6 10 | |
| S 20 | 9 46 | 10 54 | 4 16 | 10 44 | 1 39 | 18 35 | 0 35 | 19 7 | 1 8 | 22 19 | 0 42 | 19 5 | 1 37 | 21 13 | 0 31 | 2 40 | 1 28 | 1 38 | 16 2 | 23 19 | 23 23 | 19 45 | 17 1 | 6 9 | |
| M21 | 9 24 | 15 14 | 3 32 | 9 59 | 1 36 | 18 17 | 0 38 | 18 57 | 1 9 | 22 20 | 0 42 | 19 5 | 1 37 | 21 13 | 0 31 | 2 40 | 1 28 | 1 39 | 16 3 | 23 20 | 23 23 | 19 43 | 17 1 | 6 9 | |
| T 22 | 9 3 | 18 55 | 2 36 | 9 14 | 1 32 | 18 0 | 0 40 | 18 47 | 1 9 | 22 20 | 0 42 | 19 6 | 1 37 | 21 12 | 0 31 | 2 41 | 1 28 | 1 39 | 16 3 | 23 20 | 23 24 | 19 42 | 17 2 | 6 8 | |
| W23 | 8 41 | 21 40 | 1 30 | 8 28 | 1 28 | 17 41 | 0 42 | 18 37 | 1 9 | 22 21 | 0 42 | 19 7 | 1 37 | 21 11 | 0 31 | 2 41 | 1 28 | 1 39 | 16 3 | 23 20 | 23 24 | 19 41 | 17 2 | 6 8 | |
| T 24 | 8 19 | 23 11 | 0 16 | 7 42 | 1 24 | 17 22 | 0 45 | 18 27 | 1 10 | 22 21 | 0 42 | 19 7 | 1 36 | 21 11 | 0 31 | 2 42 | 1 28 | 1 40 | 16 3 | 23 20 | 23 24 | 19 40 | 17 3 | 6 7 | |
| F 25 | 7 57 | 23 14 | 1s 0 | 6 56 | 1 19 | 17 3 | 0 47 | 18 16 | 1 10 | 22 22 | 0 42 | 19 8 | 1 36 | 21 10 | 0 31 | 2 43 | 1 28 | 1 40 | 16 4 | 23 20 | 23 24 | 19 38 | 17 3 | 6 7 | |
| S 26 | 7 35 | 21 40 | 2 14 | 6 9 | 1 14 | 16 43 | 0 49 | 18 6 | 1 10 | 22 22 | 0 42 | 19 9 | 1 36 | 21 10 | 0 31 | 2 43 | 1 28 | 1 41 | 16 4 | 23 20 | 23 24 | 19 37 | 17 4 | 6 6 | |
| S 27 | 7 13 | 18 35 | 3 20 | 5 23 | 1 9 | 16 23 | 0 52 | 17 55 | 1 11 | 22 23 | 0 42 | 19 9 | 1 36 | 21 9 | 0 31 | 2 44 | 1 28 | 1 41 | 16 4 | 23 20 | 23 24 | 19 36 | 17 4 | 6 6 | |
| M28 | 6 50 | 14 13 | 4 13 | 4 36 | 1 3 | 16 2 | 0 54 | 17 45 | 1 11 | 22 23 | 0 42 | 19 10 | 1 36 | 21 9 | 0 31 | 2 45 | 1 28 | 1 42 | 16 4 | 23 20 | 23 24 | 19 34 | 17 5 | 6 6 | |
| T 29 | 6 28 | 8 58 | 4 48 | 3 49 | 0 57 | 15 41 | 0 56 | 17 34 | 1 11 | 22 24 | 0 42 | 19 11 | 1 35 | 21 8 | 0 32 | 2 45 | 1 28 | 1 42 | 16 5 | 23 21 | 23 25 | 19 33 | 17 5 | 6 5 | |
| W30 | 6 5 | 3 15 | 5 2 | 3 3 | 0 51 | 15 19 | 0 58 | 17 23 | 1 12 | 22 24 | 0 42 | 19 12 | 1 35 | 21 8 | 0 32 | 2 46 | 1 28 | 1 42 | 16 5 | 23 21 | 23 25 | 19 32 | 17 6 | 6 5 | |
| T 31 | 5n42 | 2n31 | 4s57 | 2n17 | 0n45 | 14n57 | 1n 0 | 17n12 | 1n12 | 22s24 | 0s42 | 19s13 | 1n35 | 21n 7 | 0n32 | 2s47 | 1s28 | 1s43 | 16s 5 | 23n22 | 23n25 | 19n30 | 17s 6 | 6n 4 | |

Julian Day Number = 2220932.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°55'58, Lahiri = 15°02'59 Julian Calendar 1 Aug. 1368 == Greg. Calendar 9 Aug. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## SEPTEMBER 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 13 43 | 16♍32'58 | 2♉ 9 | 27♍41 | 23♌54 | 16♌46 | 22°R 0 | 2♐42 | 28♋12 | 26°R24 | 5°R45 | 6°R17 | 5♋17 | 15♌14 | 20♐17 | F 1 |
| S 2 | 23 17 39 | 17°31'35 | 15°48 | 29°20 | 25° 8 | 17°24 | 21♑59 | 2°45 | 28°15 | 26♓22 | 5♉45 | 6♋11 | 5°14 | 15°21 | 20°18 | S 2 |
| S 3 | 23 21 36 | 18°30'15 | 28°59 | 0♎59 | 26°22 | 18° 2 | 21°57 | 2°49 | 28°18 | 26°21 | 5°44 | 6° 7 | 5°10 | 15°28 | 20°20 | S 3 |
| M 4 | 23 25 32 | 19°28'57 | 11♊43 | 2°37 | 27°36 | 18°39 | 21°56 | 2°52 | 28°20 | 26°19 | 5°43 | 6° 6 | 5° 7 | 15°34 | 20°21 | M 4 |
| T 5 | 23 29 29 | 20°27'41 | 24° 5 | 4°13 | 28°50 | 19°17 | 21°55 | 2°55 | 28°23 | 26°17 | 5°42 | 6°D 6 | 5° 4 | 15°41 | 20°23 | T 5 |
| W 6 | 23 33 25 | 21°26'28 | 6♋11 | 5°49 | 0♍ 4 | 19°55 | 21°54 | 2°59 | 28°25 | 26°16 | 5°42 | 6°R 6 | 5° 1 | 15°48 | 20°25 | W 6 |
| T 7 | 23 37 22 | 22°25'17 | 18° 6 | 7°24 | 1°18 | 20°32 | 21°54 | 3° 3 | 28°28 | 26°14 | 5°41 | 6° 5 | 4°58 | 15°54 | 20°26 | T 7 |
| F 8 | 23 41 19 | 23°24'08 | 29°55 | 8°58 | 2°32 | 21°10 | 21°53 | 3° 6 | 28°30 | 26°12 | 5°40 | 6° 3 | 4°55 | 16° 1 | 20°28 | F 8 |
| S 9 | 23 45 15 | 24°23'02 | 11♌43 | 10°31 | 3°46 | 21°47 | 21°53 | 3°10 | 28°33 | 26°11 | 5°39 | 5°58 | 4°51 | 16° 8 | 20°30 | S 9 |
| S 10 | 23 49 12 | 25°21'57 | 23°33 | 12° 3 | 5° 0 | 22°25 | 21°D53 | 3°14 | 28°35 | 26° 9 | 5°38 | 5°50 | 4°48 | 16°14 | 20°32 | S 10 |
| M11 | 23 53 8 | 26°20'55 | 5♍29 | 13°34 | 6°14 | 23° 2 | 21°53 | 3°18 | 28°38 | 26° 7 | 5°38 | 5°40 | 4°45 | 16°21 | 20°34 | M11 |
| T 12 | 23 57 5 | 27°19'55 | 17°32 | 15° 4 | 7°29 | 23°40 | 21°54 | 3°22 | 28°40 | 26° 6 | 5°37 | 5°27 | 4°42 | 16°28 | 20°37 | T 12 |
| W13 | 0 1 1 | 28°18'57 | 29°45 | 16°34 | 8°43 | 24°17 | 21°54 | 3°26 | 28°42 | 26° 4 | 5°36 | 5°14 | 4°39 | 16°34 | 20°39 | W13 |
| T 14 | 0 4 58 | 29°18'01 | 12♎ 7 | 18° 2 | 9°57 | 24°54 | 21°55 | 3°31 | 28°44 | 26° 2 | 5°35 | 5° 0 | 4°36 | 16°41 | 20°41 | T 14 |
| F 15 | 0 8 54 | 0♎17'07 | 24°40 | 19°29 | 11°12 | 25°32 | 21°56 | 3°35 | 28°47 | 26° 1 | 5°34 | 4°47 | 4°32 | 16°48 | 20°44 | F 15 |
| S 16 | 0 12 51 | 1°16'15 | 7♏24 | 20°56 | 12°26 | 26° 9 | 21°57 | 3°39 | 28°49 | 25°59 | 5°33 | 4°36 | 4°29 | 16°54 | 20°46 | S 16 |
| S 17 | 0 16 48 | 2°15'25 | 20°18 | 22°22 | 13°41 | 26°46 | 21°59 | 3°44 | 28°51 | 25°57 | 5°32 | 4°28 | 4°26 | 17° 1 | 20°49 | S 17 |
| M18 | 0 20 44 | 3°14'37 | 3♐25 | 23°46 | 14°55 | 27°24 | 22° 0 | 3°48 | 28°53 | 25°56 | 5°31 | 4°24 | 4°23 | 17° 8 | 20°52 | M18 |
| T 19 | 0 24 41 | 4°13'50 | 16°44 | 25°10 | 16°10 | 28° 1 | 22° 2 | 3°53 | 28°55 | 25°54 | 5°31 | 4°21 | 4°20 | 17°14 | 20°54 | T 19 |
| W20 | 0 28 37 | 5°13'06 | 0♑19 | 26°33 | 17°24 | 28°38 | 22° 4 | 3°57 | 28°57 | 25°52 | 5°30 | 4°21 | 4°16 | 17°21 | 20°57 | W20 |
| T 21 | 0 32 34 | 6°12'23 | 14°10 | 27°54 | 18°39 | 29°15 | 22° 6 | 4° 2 | 28°59 | 25°51 | 5°29 | 4°21 | 4°13 | 17°28 | 21° 0 | T 21 |
| F 22 | 0 36 30 | 7°11'42 | 28°19 | 29°15 | 19°53 | 29°53 | 22° 8 | 4° 7 | 29° 1 | 25°49 | 5°28 | 4°20 | 4°10 | 17°34 | 21° 3 | F 22 |
| S 23 | 0 40 27 | 8°11'03 | 12♒44 | 0♏34 | 21° 8 | 0♍30 | 22°11 | 4°12 | 29° 3 | 25°48 | 5°27 | 4°17 | 4° 7 | 17°41 | 21° 6 | S 23 |
| S 24 | 0 44 23 | 9°10'25 | 27°22 | 1°52 | 22°23 | 1° 7 | 22°14 | 4°17 | 29° 4 | 25°46 | 5°26 | 4°11 | 4° 4 | 17°48 | 21° 9 | S 24 |
| M25 | 0 48 20 | 10° 9'50 | 12♓10 | 3° 9 | 23°38 | 1°44 | 22°17 | 4°22 | 29° 6 | 25°44 | 5°25 | 4° 3 | 4° 1 | 17°55 | 21°12 | M25 |
| T 26 | 0 52 16 | 11° 9'16 | 26°58 | 4°25 | 24°52 | 2°21 | 22°20 | 4°27 | 29° 8 | 25°43 | 5°24 | 3°52 | 3°57 | 18° 1 | 21°16 | T 26 |
| W27 | 0 56 13 | 12° 8'44 | 11♈40 | 5°39 | 26° 7 | 2°58 | 22°23 | 4°32 | 29° 9 | 25°41 | 5°23 | 3°41 | 3°54 | 18° 8 | 21°19 | W27 |
| T 28 | 1 0 10 | 13° 8'14 | 26° 6 | 6°51 | 27°22 | 3°35 | 22°26 | 4°37 | 29°11 | 25°40 | 5°22 | 3°29 | 3°51 | 18°15 | 21°23 | T 28 |
| F 29 | 1 4 6 | 14° 7'47 | 10♉10 | 8° 2 | 28°37 | 4°12 | 22°30 | 4°42 | 29°13 | 25°38 | 5°21 | 3°19 | 3°48 | 18°21 | 21°26 | F 29 |
| S 30 | 1 8 3 | 15♎ 7'21 | 23♉49 | 9♏11 | 29♍52 | 4♍49 | 22♑34 | 4♐48 | 29♋14 | 25♓36 | 5♉20 | 3♋11 | 3♋45 | 18♌28 | 21♐30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n20 | 8n 0 | 4s33 | 1n31 | 0n38 | 14n34 | 1n 2 | 17n 1 | 1n12 | 22s24 | 0s42 | 19s13 | 1n35 | 21n 6 | 0n32 | 2s47 | 1s28 | 1s43 | 16s 5 | 23n22 | 23n25 | 19n29 | 17s 7 | 6n 4 |
| S 2 | 4 57 | 12 54 | 3 54 | 0 45 | 0 32 | 14 11 | 1 4 | 16 49 | 1 13 | 22 25 | 0 42 | 19 14 | 1 35 | 21 6 | 0 32 | 2 48 | 1 28 | 1 44 | 16 6 | 23 23 | 23 25 | 19 28 | 17 7 | 6 3 |
| S 3 | 4 34 | 17 1 | 3 4 | 0s 1 | 0 25 | 13 48 | 1 5 | 16 38 | 1 13 | 22 25 | 0 42 | 19 15 | 1 34 | 21 5 | 0 32 | 2 49 | 1 28 | 1 44 | 16 6 | 23 23 | 23 25 | 19 26 | 17 8 | 6 3 |
| M 4 | 4 11 | 20 11 | 2 6 | 0 46 | 0 18 | 13 24 | 1 7 | 16 27 | 1 13 | 22 25 | 0 42 | 19 16 | 1 34 | 21 5 | 0 32 | 2 49 | 1 29 | 1 45 | 16 6 | 23 23 | 23 25 | 19 25 | 17 9 | 6 2 |
| T 5 | 3 48 | 22 20 | 1 3 | 1 31 | 0 11 | 13 0 | 1 9 | 16 15 | 1 14 | 22 25 | 0 42 | 19 17 | 1 34 | 21 4 | 0 32 | 2 50 | 1 29 | 1 45 | 16 6 | 23 23 | 23 25 | 19 23 | 17 9 | 6 2 |
| W 6 | 3 24 | 23 23 | 0n 0 | 2 15 | 0 4 | 12 35 | 1 10 | 16 4 | 1 14 | 22 25 | 0 42 | 19 18 | 1 34 | 21 4 | 0 32 | 2 51 | 1 29 | 1 45 | 16 6 | 23 23 | 23 26 | 19 22 | 17 10 | 6 2 |
| T 7 | 3 1 | 23 20 | 1 3 | 3 0 | 0s 3 | 12 10 | 1 12 | 15 52 | 1 14 | 22 26 | 0 42 | 19 19 | 1 33 | 21 3 | 0 32 | 2 51 | 1 29 | 1 46 | 16 7 | 23 23 | 23 26 | 19 21 | 17 10 | 6 1 |
| F 8 | 2 38 | 22 14 | 2 3 | 3 43 | 0 10 | 11 45 | 1 13 | 15 40 | 1 14 | 22 26 | 0 42 | 19 19 | 1 33 | 21 3 | 0 32 | 2 52 | 1 29 | 1 46 | 16 7 | 23 23 | 23 26 | 19 19 | 17 11 | 6 1 |
| S 9 | 2 14 | 20 10 | 2 57 | 4 27 | 0 18 | 11 19 | 1 15 | 15 28 | 1 15 | 22 26 | 0 42 | 19 20 | 1 33 | 21 2 | 0 32 | 2 53 | 1 29 | 1 47 | 16 7 | 23 23 | 23 26 | 19 18 | 17 11 | 6 0 |
| S 10 | 1 51 | 17 13 | 3 43 | 5 10 | 0 25 | 10 53 | 1 16 | 15 16 | 1 15 | 22 26 | 0 42 | 19 21 | 1 33 | 21 2 | 0 32 | 2 53 | 1 29 | 1 47 | 16 7 | 23 24 | 23 26 | 19 16 | 17 12 | 6 0 |
| M11 | 1 27 | 13 33 | 4 20 | 5 52 | 0 32 | 10 27 | 1 18 | 15 4 | 1 15 | 22 26 | 0 42 | 19 22 | 1 33 | 21 2 | 0 32 | 2 54 | 1 29 | 1 48 | 16 7 | 23 24 | 23 26 | 19 15 | 17 13 | 5 59 |
| T 12 | 1 4 | 9 19 | 4 46 | 6 34 | 0 40 | 10 1 | 1 19 | 14 52 | 1 16 | 22 25 | 0 42 | 19 23 | 1 33 | 21 1 | 0 32 | 2 55 | 1 29 | 1 48 | 16 8 | 23 24 | 23 26 | 19 14 | 17 13 | 5 59 |
| W13 | 0 40 | 4 40 | 4 58 | 7 15 | 0 47 | 9 34 | 1 20 | 14 40 | 1 16 | 22 25 | 0 42 | 19 24 | 1 32 | 21 1 | 0 32 | 2 55 | 1 29 | 1 49 | 16 8 | 23 25 | 23 26 | 19 12 | 17 14 | 5 59 |
| T 14 | 0 17 | 0s15 | 4 58 | 7 56 | 0 54 | 9 7 | 1 21 | 14 28 | 1 16 | 22 25 | 0 42 | 19 25 | 1 32 | 21 0 | 0 32 | 2 56 | 1 29 | 1 49 | 16 8 | 23 26 | 23 26 | 19 11 | 17 14 | 5 58 |
| F 15 | 0s 7 | 5 13 | 4 42 | 8 36 | 1 2 | 8 39 | 1 22 | 14 15 | 1 16 | 22 25 | 0 42 | 19 26 | 1 32 | 21 0 | 0 32 | 2 57 | 1 29 | 1 49 | 16 8 | 23 26 | 23 27 | 19 9 | 17 15 | 5 58 |
| S 16 | 0 30 | 10 2 | 4 13 | 9 16 | 1 9 | 8 12 | 1 23 | 14 3 | 1 17 | 22 25 | 0 42 | 19 27 | 1 32 | 20 59 | 0 32 | 2 57 | 1 29 | 1 50 | 16 8 | 23 26 | 23 27 | 19 8 | 17 15 | 5 57 |
| S 17 | 0 54 | 14 30 | 3 30 | 9 55 | 1 16 | 7 44 | 1 24 | 13 50 | 1 17 | 22 25 | 0 42 | 19 28 | 1 32 | 20 59 | 0 32 | 2 58 | 1 29 | 1 50 | 16 9 | 23 27 | 23 27 | 19 6 | 17 16 | 5 57 |
| M18 | 1 18 | 18 22 | 2 36 | 10 33 | 1 23 | 7 16 | 1 25 | 13 38 | 1 17 | 22 24 | 0 42 | 19 29 | 1 31 | 20 59 | 0 32 | 2 59 | 1 29 | 1 51 | 16 9 | 23 27 | 23 27 | 19 5 | 17 17 | 5 57 |
| T 19 | 1 41 | 21 20 | 1 32 | 11 10 | 1 30 | 6 48 | 1 26 | 13 25 | 1 18 | 22 24 | 0 42 | 19 30 | 1 31 | 20 58 | 0 32 | 2 59 | 1 29 | 1 51 | 16 9 | 23 27 | 23 27 | 19 4 | 17 17 | 5 56 |
| W20 | 2 5 | 23 10 | 0 21 | 11 47 | 1 37 | 6 19 | 1 26 | 13 12 | 1 18 | 22 24 | 0 42 | 19 31 | 1 31 | 20 58 | 0 32 | 3 0 | 1 29 | 1 52 | 16 9 | 23 27 | 23 27 | 19 2 | 17 18 | 5 56 |
| T 21 | 2 28 | 23 37 | 0s52 | 12 23 | 1 44 | 5 50 | 1 27 | 13 0 | 1 18 | 22 23 | 0 42 | 19 32 | 1 31 | 20 58 | 0 32 | 3 1 | 1 29 | 1 52 | 16 9 | 23 27 | 23 27 | 19 1 | 17 18 | 5 55 |
| F 22 | 2 52 | 22 35 | 2 3 | 12 58 | 1 51 | 5 21 | 1 28 | 12 47 | 1 18 | 22 23 | 0 42 | 19 33 | 1 31 | 20 57 | 0 32 | 3 1 | 1 29 | 1 53 | 16 9 | 23 27 | 23 27 | 18 59 | 17 19 | 5 55 |
| S 23 | 3 15 | 20 3 | 3 8 | 13 33 | 1 57 | 4 52 | 1 28 | 12 34 | 1 19 | 22 23 | 0 42 | 19 35 | 1 30 | 20 57 | 0 32 | 3 2 | 1 29 | 1 53 | 16 9 | 23 27 | 23 27 | 18 58 | 17 20 | 5 55 |
| S 24 | 3 39 | 16 12 | 4 1 | 14 6 | 2 4 | 4 23 | 1 28 | 12 21 | 1 19 | 22 22 | 0 42 | 19 36 | 1 30 | 20 56 | 0 32 | 3 3 | 1 29 | 1 53 | 16 10 | 23 27 | 23 28 | 18 56 | 17 20 | 5 54 |
| M25 | 4 2 | 11 19 | 4 39 | 14 39 | 2 10 | 3 54 | 1 29 | 12 8 | 1 19 | 22 22 | 0 42 | 19 37 | 1 30 | 20 56 | 0 32 | 3 3 | 1 29 | 1 54 | 16 10 | 23 28 | 23 28 | 18 55 | 17 21 | 5 54 |
| T 26 | 4 26 | 5 46 | 4 58 | 15 10 | 2 16 | 3 24 | 1 29 | 11 55 | 1 20 | 22 21 | 0 42 | 19 38 | 1 30 | 20 56 | 0 32 | 3 4 | 1 29 | 1 54 | 16 10 | 23 28 | 23 28 | 18 53 | 17 21 | 5 53 |
| W27 | 4 49 | 0n 4 | 4 58 | 15 41 | 2 22 | 2 55 | 1 29 | 11 41 | 1 20 | 22 20 | 0 42 | 19 39 | 1 30 | 20 56 | 0 32 | 3 4 | 1 29 | 1 55 | 16 10 | 23 28 | 23 28 | 18 52 | 17 22 | 5 53 |
| T 28 | 5 12 | 5 48 | 4 38 | 16 10 | 2 27 | 2 25 | 1 29 | 11 28 | 1 20 | 22 20 | 0 42 | 19 40 | 1 30 | 20 55 | 0 32 | 3 5 | 1 29 | 1 55 | 16 10 | 23 29 | 23 28 | 18 50 | 17 22 | 5 53 |
| F 29 | 5 35 | 11 6 | 4 1 | 16 38 | 2 33 | 1 55 | 1 30 | 11 15 | 1 20 | 22 19 | 0 42 | 19 41 | 1 29 | 20 55 | 0 33 | 3 6 | 1 29 | 1 56 | 16 10 | 23 29 | 23 28 | 18 49 | 17 23 | 5 52 |
| S 30 | 5s59 | 15n42 | 3s12 | 17s 5 | 2s38 | 1n25 | 1n30 | 11n 2 | 1n21 | 22s19 | 0s42 | 19s42 | 1n29 | 20n55 | 0n33 | 3s 6 | 1s29 | 1s56 | 16s10 | 23n29 | 23n28 | 18n47 | 17s24 | 5n52 |

Julian Day Number = 2220963.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'02, Lahiri = 15°03'03 Julian Calendar 1 Sept. 1368 == Greg. Calendar 9 Sept. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## OCTOBER 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 11 59 | 16♎ 6'58 | 7♊ 1 | 10♏18 | 1♎ 7 | 5♍26 | 22♑38 | 4♐53 | 29♋16 | 25°R35 | 5°R19 | 3°R 6 | 3♋41 | 18♒35 | 21♐33 | S 1 |
| M 2 | 1 15 56 | 17° 6'37 | 19°48 | 11°22 | 2°21 | 6° 3 | 22°42 | 4°58 | 29°17 | 25♓33 | 5♉17 | 3♋ 4 | 3°38 | 18°41 | 21°37 | M 2 |
| T 3 | 1 19 52 | 18° 6'19 | 2♋13 | 12°25 | 3°36 | 6°40 | 22°47 | 5° 4 | 29°18 | 25°32 | 5°16 | 3°D 3 | 3°35 | 18°48 | 21°41 | T 3 |
| W 4 | 1 23 49 | 19° 6'02 | 14°21 | 13°24 | 4°51 | 7°17 | 22°51 | 5°10 | 29°20 | 25°30 | 5°15 | 3°R 3 | 3°32 | 18°55 | 21°44 | W 4 |
| T 5 | 1 27 45 | 20° 5'48 | 26°18 | 14°21 | 6° 6 | 7°53 | 22°56 | 5°15 | 29°21 | 25°29 | 5°14 | 3° 3 | 3°29 | 19° 1 | 21°48 | T 5 |
| F 6 | 1 31 42 | 21° 5'37 | 8♌ 8 | 15°14 | 7°22 | 8°30 | 23° 1 | 5°21 | 29°22 | 25°27 | 5°13 | 3° 2 | 3°26 | 19° 8 | 21°52 | F 6 |
| S 7 | 1 35 39 | 22° 5'27 | 19°57 | 16° 4 | 8°37 | 9° 7 | 23° 6 | 5°26 | 29°23 | 25°26 | 5°12 | 2°58 | 3°22 | 19°15 | 21°56 | S 7 |
| S 8 | 1 39 35 | 23° 5'20 | 1♍50 | 16°50 | 9°52 | 9°44 | 23°11 | 5°32 | 29°24 | 25°24 | 5°11 | 2°52 | 3°19 | 19°21 | 22° 0 | S 8 |
| M 9 | 1 43 32 | 24° 5'15 | 13°50 | 17°32 | 11° 7 | 10°20 | 23°17 | 5°38 | 29°25 | 25°23 | 5°10 | 2°43 | 3°16 | 19°28 | 22° 5 | M 9 |
| T 10 | 1 47 28 | 25° 5'12 | 26° 2 | 18° 8 | 12°22 | 10°57 | 23°22 | 5°44 | 29°26 | 25°22 | 5° 9 | 2°32 | 3°13 | 19°35 | 22° 9 | T 10 |
| W11 | 1 51 25 | 26° 5'10 | 8♎26 | 18°40 | 13°37 | 11°34 | 23°28 | 5°50 | 29°27 | 25°20 | 5° 8 | 2°20 | 3°10 | 19°41 | 22°13 | W11 |
| T 12 | 1 55 21 | 27° 5'11 | 21° 4 | 19° 5 | 14°52 | 12°10 | 23°34 | 5°56 | 29°28 | 25°19 | 5° 7 | 2° 8 | 3° 7 | 19°48 | 22°17 | T 12 |
| F 13 | 1 59 18 | 28° 5'14 | 3♏55 | 19°24 | 16° 7 | 12°47 | 23°40 | 6° 2 | 29°29 | 25°18 | 5° 5 | 1°57 | 3° 3 | 19°55 | 22°22 | F 13 |
| S 14 | 2 3 14 | 29° 5'19 | 16°59 | 19°35 | 17°23 | 13°24 | 23°46 | 6° 8 | 29°30 | 25°16 | 5° 4 | 1°47 | 3° 0 | 20° 2 | 22°26 | S 14 |
| S 15 | 2 7 11 | 0♏ 5'26 | 0♐14 | 19°R39 | 18°38 | 14° 0 | 23°53 | 6°14 | 29°30 | 25°15 | 5° 3 | 1°40 | 2°57 | 20° 8 | 22°31 | S 15 |
| M16 | 2 11 8 | 1° 5'35 | 13°41 | 19°34 | 19°53 | 14°37 | 23°59 | 6°20 | 29°31 | 25°14 | 5° 2 | 1°36 | 2°54 | 20°15 | 22°35 | M16 |
| T 17 | 2 15 4 | 2° 5'45 | 27°16 | 19°20 | 21° 8 | 15°13 | 24° 6 | 6°26 | 29°32 | 25°12 | 5° 1 | 1°D35 | 2°51 | 20°22 | 22°40 | T 17 |
| W18 | 2 19 1 | 3° 5'57 | 11♑ 1 | 18°57 | 22°24 | 15°50 | 24°13 | 6°33 | 29°32 | 25°11 | 5° 0 | 1°35 | 2°47 | 20°28 | 22°45 | W18 |
| T 19 | 2 22 57 | 4° 6'10 | 24°55 | 18°24 | 23°39 | 16°26 | 24°20 | 6°39 | 29°33 | 25°10 | 4°59 | 1°36 | 2°44 | 20°35 | 22°49 | T 19 |
| F 20 | 2 26 54 | 5° 6'25 | 8♒58 | 17°41 | 24°54 | 17° 2 | 24°28 | 6°45 | 29°33 | 25° 9 | 4°58 | 1°R36 | 2°41 | 20°42 | 22°54 | F 20 |
| S 21 | 2 30 50 | 6° 6'41 | 23°10 | 16°49 | 26°10 | 17°39 | 24°35 | 6°52 | 29°33 | 25° 8 | 4°56 | 1°35 | 2°38 | 20°48 | 22°59 | S 21 |
| S 22 | 2 34 47 | 7° 6'59 | 7♓28 | 15°48 | 27°25 | 18°15 | 24°42 | 6°58 | 29°34 | 25° 6 | 4°55 | 1°31 | 2°35 | 20°55 | 23° 4 | S 22 |
| M23 | 2 38 43 | 8° 7'18 | 21°49 | 14°39 | 28°40 | 18°51 | 24°50 | 7° 4 | 29°34 | 25° 5 | 4°54 | 1°25 | 2°32 | 21° 2 | 23° 9 | M23 |
| T 24 | 2 42 40 | 9° 7'38 | 6♈10 | 13°24 | 29°56 | 19°27 | 24°58 | 7°11 | 29°34 | 25° 4 | 4°53 | 1°18 | 2°28 | 21° 8 | 23°14 | T 24 |
| W25 | 2 46 37 | 10° 8'00 | 20°25 | 12° 6 | 1♏11 | 20° 4 | 25° 6 | 7°17 | 29°34 | 25° 3 | 4°52 | 1° 9 | 2°25 | 21°15 | 23°19 | W25 |
| T 26 | 2 50 33 | 11° 8'24 | 4♉29 | 10°45 | 2°26 | 20°40 | 25°14 | 7°24 | 29°34 | 25° 2 | 4°51 | 1° 1 | 2°22 | 21°22 | 23°24 | T 26 |
| F 27 | 2 54 30 | 12° 8'49 | 18°16 | 9°26 | 3°42 | 21°16 | 25°22 | 7°31 | 29°R35 | 25° 1 | 4°50 | 0°53 | 2°19 | 21°28 | 23°29 | F 27 |
| S 28 | 2 58 26 | 13° 9'16 | 1♊43 | 8°10 | 4°57 | 21°52 | 25°31 | 7°37 | 29°35 | 25° 0 | 4°49 | 0°47 | 2°16 | 21°35 | 23°34 | S 28 |
| S 29 | 3 2 23 | 14° 9'45 | 14°49 | 7° 1 | 6°13 | 22°28 | 25°39 | 7°44 | 29°34 | 24°59 | 4°47 | 0°44 | 2°13 | 21°42 | 23°40 | S 29 |
| M30 | 3 6 19 | 15°10'16 | 27°34 | 5°59 | 7°28 | 23° 4 | 25°48 | 7°51 | 29°34 | 24°58 | 4°46 | 0°D43 | 2° 9 | 21°49 | 23°45 | M30 |
| T 31 | 3 10 16 | 16♏10'48 | 10♋ 0 | 5♏ 7 | 8♏43 | 23♍40 | 25♑57 | 7♐57 | 29♋34 | 24♓57 | 4♉45 | 0♋43 | 2♋ 6 | 21♒55 | 23♐50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s22 | 19n22 | 2s13 | 17s31 | 2s42 | 0n56 | 1n30 | 10n48 | 1n21 | 22s18 | 0s42 | 19s43 | 1n29 | 20n54 | 0n33 | 3s 7 | 1s29 | 1s56 | 16s10 | 23n29 | 23n28 | 18n46 | 17s24 | 5n52 |
| M 2 | 6 45 | 21 58 | 1 10 | 17 56 | 2 46 | 0 26 | 1 29 | 10 35 | 1 21 | 22 17 | 0 42 | 19 44 | 1 29 | 20 54 | 0 33 | 3 8 | 1 29 | 1 57 | 16 10 | 23 29 | 23 28 | 18 44 | 17 25 | 5 51 |
| T 3 | 7 7 | 23 26 | 0 4 | 18 19 | 2 50 | 0s 5 | 1 29 | 10 21 | 1 21 | 22 16 | 0 42 | 19 46 | 1 29 | 20 54 | 0 33 | 3 8 | 1 28 | 1 57 | 16 10 | 23 29 | 23 28 | 18 43 | 17 25 | 5 51 |
| W 4 | 7 30 | 23 44 | 1n 0 | 18 40 | 2 54 | 0 35 | 1 29 | 10 8 | 1 22 | 22 16 | 0 42 | 19 47 | 1 29 | 20 54 | 0 33 | 3 9 | 1 28 | 1 58 | 16 11 | 23 29 | 23 28 | 18 41 | 17 26 | 5 50 |
| T 5 | 7 53 | 22 56 | 2 0 | 19 0 | 2 57 | 1 5 | 1 29 | 9 54 | 1 22 | 22 15 | 0 42 | 19 48 | 1 29 | 20 53 | 0 33 | 3 9 | 1 28 | 1 58 | 16 11 | 23 29 | 23 29 | 18 40 | 17 27 | 5 50 |
| F 6 | 8 15 | 21 7 | 2 55 | 19 19 | 2 59 | 1 35 | 1 28 | 9 41 | 1 22 | 22 14 | 0 41 | 19 49 | 1 28 | 20 53 | 0 33 | 3 10 | 1 28 | 1 58 | 16 11 | 23 29 | 23 29 | 18 38 | 17 27 | 5 50 |
| S 7 | 8 38 | 18 23 | 3 42 | 19 35 | 3 1 | 2 5 | 1 28 | 9 27 | 1 22 | 22 13 | 0 41 | 19 50 | 1 28 | 20 53 | 0 33 | 3 10 | 1 28 | 1 59 | 16 11 | 23 29 | 23 29 | 18 37 | 17 28 | 5 49 |
| S 8 | 9 0 | 14 54 | 4 20 | 19 49 | 3 2 | 2 35 | 1 27 | 9 13 | 1 23 | 22 12 | 0 41 | 19 51 | 1 28 | 20 53 | 0 33 | 3 11 | 1 28 | 1 59 | 16 11 | 23 29 | 23 29 | 18 35 | 17 28 | 5 49 |
| M 9 | 9 22 | 10 47 | 4 46 | 20 2 | 3 2 | 3 5 | 1 27 | 9 0 | 1 23 | 22 11 | 0 41 | 19 53 | 1 28 | 20 53 | 0 33 | 3 12 | 1 28 | 2 0 | 16 11 | 23 30 | 23 29 | 18 34 | 17 29 | 5 49 |
| T 10 | 9 44 | 6 10 | 5 0 | 20 12 | 3 1 | 3 35 | 1 26 | 8 46 | 1 23 | 22 10 | 0 41 | 19 54 | 1 28 | 20 52 | 0 33 | 3 12 | 1 28 | 2 0 | 16 11 | 23 30 | 23 29 | 18 32 | 17 29 | 5 48 |
| W11 | 10 6 | 1 15 | 5 1 | 20 19 | 3 0 | 4 5 | 1 25 | 8 32 | 1 23 | 22 9 | 0 41 | 19 55 | 1 28 | 20 52 | 0 33 | 3 13 | 1 28 | 2 0 | 16 11 | 23 30 | 23 29 | 18 30 | 17 30 | 5 48 |
| T 12 | 10 28 | 3s49 | 4 46 | 20 24 | 2 58 | 4 35 | 1 24 | 8 18 | 1 24 | 22 8 | 0 41 | 19 56 | 1 27 | 20 52 | 0 33 | 3 13 | 1 28 | 2 1 | 16 11 | 23 30 | 23 29 | 18 29 | 17 31 | 5 48 |
| F 13 | 10 50 | 8 50 | 4 17 | 20 26 | 2 54 | 5 5 | 1 24 | 8 4 | 1 24 | 22 7 | 0 41 | 19 57 | 1 27 | 20 52 | 0 33 | 3 14 | 1 28 | 2 1 | 16 11 | 23 30 | 23 29 | 18 27 | 17 31 | 5 48 |
| S 14 | 11 11 | 13 32 | 3 34 | 20 24 | 2 49 | 5 34 | 1 23 | 7 51 | 1 24 | 22 6 | 0 41 | 19 58 | 1 27 | 20 52 | 0 33 | 3 14 | 1 28 | 2 1 | 16 11 | 23 31 | 23 29 | 18 26 | 17 32 | 5 47 |
| S 15 | 11 33 | 17 41 | 2 39 | 20 19 | 2 43 | 6 4 | 1 22 | 7 37 | 1 24 | 22 5 | 0 41 | 20 0 | 1 27 | 20 52 | 0 33 | 3 15 | 1 28 | 2 2 | 16 11 | 23 31 | 23 29 | 18 24 | 17 32 | 5 47 |
| M16 | 11 54 | 20 58 | 1 34 | 20 11 | 2 36 | 6 33 | 1 21 | 7 23 | 1 25 | 22 4 | 0 41 | 20 1 | 1 27 | 20 52 | 0 33 | 3 15 | 1 28 | 2 2 | 16 11 | 23 31 | 23 29 | 18 23 | 17 33 | 5 47 |
| T 17 | 12 15 | 23 7 | 0 23 | 19 58 | 2 26 | 7 3 | 1 20 | 7 9 | 1 25 | 22 2 | 0 41 | 20 2 | 1 27 | 20 52 | 0 33 | 3 16 | 1 28 | 2 3 | 16 11 | 23 31 | 23 29 | 18 21 | 17 33 | 5 46 |
| W18 | 12 35 | 23 54 | 0s50 | 19 41 | 2 16 | 7 32 | 1 18 | 6 55 | 1 25 | 22 1 | 0 41 | 20 3 | 1 27 | 20 52 | 0 33 | 3 16 | 1 28 | 2 3 | 16 11 | 23 31 | 23 29 | 18 19 | 17 34 | 5 46 |
| T 19 | 12 56 | 23 13 | 2 2 | 19 20 | 2 3 | 8 1 | 1 17 | 6 41 | 1 25 | 22 0 | 0 41 | 20 4 | 1 27 | 20 51 | 0 33 | 3 17 | 1 28 | 2 3 | 16 11 | 23 31 | 23 30 | 18 18 | 17 34 | 5 46 |
| F 20 | 13 16 | 21 4 | 3 6 | 18 54 | 1 49 | 8 30 | 1 16 | 6 27 | 1 25 | 21 59 | 0 41 | 20 6 | 1 26 | 20 51 | 0 33 | 3 17 | 1 28 | 2 4 | 16 11 | 23 31 | 23 30 | 18 16 | 17 35 | 5 46 |
| S 21 | 13 36 | 17 37 | 4 0 | 18 24 | 1 33 | 8 58 | 1 15 | 6 13 | 1 26 | 21 57 | 0 41 | 20 7 | 1 26 | 20 51 | 0 33 | 3 17 | 1 28 | 2 4 | 16 11 | 23 31 | 23 30 | 18 15 | 17 35 | 5 45 |
| S 22 | 13 56 | 13 7 | 4 40 | 17 50 | 1 16 | 9 27 | 1 13 | 5 59 | 1 26 | 21 56 | 0 41 | 20 8 | 1 26 | 20 51 | 0 33 | 3 18 | 1 28 | 2 4 | 16 11 | 23 31 | 23 30 | 18 13 | 17 36 | 5 45 |
| M23 | 14 16 | 7 52 | 5 2 | 17 12 | 0 57 | 9 55 | 1 12 | 5 45 | 1 26 | 21 54 | 0 41 | 20 9 | 1 26 | 20 51 | 0 33 | 3 18 | 1 28 | 2 5 | 16 11 | 23 31 | 23 30 | 18 11 | 17 36 | 5 45 |
| T 24 | 14 35 | 2 12 | 5 5 | 16 31 | 0 37 | 10 23 | 1 10 | 5 31 | 1 26 | 21 53 | 0 41 | 20 10 | 1 26 | 20 51 | 0 33 | 3 19 | 1 28 | 2 5 | 16 11 | 23 31 | 23 30 | 18 10 | 17 37 | 5 44 |
| W25 | 14 54 | 3n32 | 4 49 | 15 47 | 0 17 | 10 51 | 1 9 | 5 17 | 1 27 | 21 52 | 0 41 | 20 11 | 1 26 | 20 51 | 0 33 | 3 19 | 1 28 | 2 5 | 16 11 | 23 31 | 23 30 | 18 8 | 17 37 | 5 44 |
| T 26 | 15 13 | 9 2 | 4 16 | 15 2 | 0n 4 | 11 18 | 1 7 | 5 3 | 1 27 | 21 50 | 0 41 | 20 13 | 1 26 | 20 51 | 0 34 | 3 19 | 1 28 | 2 5 | 16 11 | 23 31 | 23 30 | 18 6 | 17 38 | 5 44 |
| F 27 | 15 32 | 13 59 | 3 28 | 14 18 | 0 24 | 11 46 | 1 6 | 4 48 | 1 27 | 21 49 | 0 41 | 20 14 | 1 26 | 20 51 | 0 34 | 3 20 | 1 28 | 2 6 | 16 11 | 23 31 | 23 30 | 18 5 | 17 38 | 5 44 |
| S 28 | 15 50 | 18 8 | 2 30 | 13 35 | 0 44 | 12 13 | 1 4 | 4 34 | 1 27 | 21 47 | 0 41 | 20 15 | 1 25 | 20 51 | 0 34 | 3 20 | 1 28 | 2 6 | 16 11 | 23 31 | 23 30 | 18 3 | 17 39 | 5 44 |
| S 29 | 16 9 | 21 15 | 1 25 | 12 55 | 1 3 | 12 39 | 1 2 | 4 20 | 1 27 | 21 45 | 0 41 | 20 16 | 1 25 | 20 51 | 0 34 | 3 21 | 1 28 | 2 6 | 16 11 | 23 31 | 23 30 | 18 1 | 17 39 | 5 43 |
| M30 | 16 27 | 23 13 | 0 17 | 12 18 | 1 20 | 13 6 | 1 1 | 4 6 | 1 28 | 21 44 | 0 41 | 20 17 | 1 25 | 20 52 | 0 34 | 3 21 | 1 28 | 2 7 | 16 10 | 23 31 | 23 30 | 18 0 | 17 40 | 5 43 |
| T 31 | 16s44 | 23n59 | 0n50 | 11s47 | 1n35 | 13s32 | 0n59 | 3n52 | 1n28 | 21s42 | 0s41 | 20s19 | 1n25 | 20n52 | 0n34 | 3s21 | 1s28 | 2s 7 | 16s10 | 23n31 | 23n30 | 17n58 | 17s40 | 5n43 |

Julian Day Number = 2220993.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'07, Lahiri = 15°03'07 Julian Calendar 1 Oct. 1368 == Greg. Calendar 9 Oct. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## NOVEMBER 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 14 12 | 17♏11'22 | 22♋ 9 | 4°R27 | 9♏59 | 24♍16 | 26♉ 6 | 8♐ 4 | 29°R34 | 24°R56 | 4°R44 | 0♋44 | 2♋ 3 | 22♌ 2 | 23♐55 | W 1 |
| T 2 | 3 18 9 | 18°11'58 | 4♌ 8 | 3♏57 | 11°14 | 24°52 | 26°15 | 8°11 | 29♋34 | 24♓56 | 4♉43 | 0°46 | 2° 0 | 22° 9 | 24° 1 | T 2 |
| F 3 | 3 22 6 | 19°12'36 | 15°59 | 3°40 | 12°30 | 25°28 | 26°24 | 8°17 | 29°33 | 24°55 | 4°42 | 0°R47 | 1°57 | 22°15 | 24° 6 | F 3 |
| S 4 | 3 26 2 | 20°13'15 | 27°50 | 3°D34 | 13°45 | 26° 3 | 26°34 | 8°24 | 29°33 | 24°54 | 4°41 | 0°47 | 1°53 | 22°22 | 24°12 | S 4 |
| S 5 | 3 29 59 | 21°13'56 | 9♍44 | 3°39 | 15° 1 | 26°39 | 26°43 | 8°31 | 29°32 | 24°53 | 4°40 | 0°45 | 1°50 | 22°29 | 24°17 | S 5 |
| M 6 | 3 33 55 | 22°14'39 | 21°46 | 3°54 | 16°16 | 27°15 | 26°53 | 8°38 | 29°32 | 24°52 | 4°39 | 0°41 | 1°47 | 22°35 | 24°23 | M 6 |
| T 7 | 3 37 52 | 23°15'23 | 4♎ 2 | 4°19 | 17°32 | 27°51 | 27° 2 | 8°45 | 29°31 | 24°52 | 4°38 | 0°36 | 1°44 | 22°42 | 24°28 | T 7 |
| W 8 | 3 41 48 | 24°16'09 | 16°33 | 4°53 | 18°47 | 28°26 | 27°12 | 8°52 | 29°31 | 24°51 | 4°37 | 0°29 | 1°41 | 22°49 | 24°34 | W 8 |
| T 9 | 3 45 45 | 25°16'56 | 29°21 | 5°34 | 20° 3 | 29° 2 | 27°22 | 8°59 | 29°30 | 24°50 | 4°36 | 0°23 | 1°38 | 22°55 | 24°40 | T 9 |
| F 10 | 3 49 41 | 26°17'45 | 12♏28 | 6°21 | 21°18 | 29°37 | 27°32 | 9° 6 | 29°29 | 24°50 | 4°35 | 0°17 | 1°34 | 23° 2 | 24°45 | F 10 |
| S 11 | 3 53 38 | 27°18'35 | 25°53 | 7°15 | 22°34 | 0♎13 | 27°42 | 9°13 | 29°29 | 24°49 | 4°33 | 0°12 | 1°31 | 23° 9 | 24°51 | S 11 |
| S 12 | 3 57 35 | 28°19'26 | 9♐33 | 8°14 | 23°49 | 0°48 | 27°53 | 9°20 | 29°28 | 24°49 | 4°32 | 0° 9 | 1°28 | 23°16 | 24°57 | S 12 |
| M13 | 4 1 31 | 29°20'19 | 23°26 | 9°18 | 25° 5 | 1°24 | 28° 3 | 9°26 | 29°27 | 24°48 | 4°31 | 0°D 7 | 1°25 | 23°22 | 25° 3 | M13 |
| T 14 | 4 5 28 | 0♐21'13 | 7♉28 | 10°25 | 26°20 | 1°59 | 28°14 | 9°33 | 29°26 | 24°48 | 4°30 | 0° 7 | 1°22 | 23°29 | 25° 8 | T 14 |
| W15 | 4 9 24 | 1°22'07 | 21°36 | 11°36 | 27°36 | 2°35 | 28°24 | 9°40 | 29°25 | 24°47 | 4°29 | 0° 8 | 1°19 | 23°36 | 25°14 | W15 |
| T 16 | 4 13 21 | 2°23'03 | 5♒48 | 12°50 | 28°51 | 3°10 | 28°35 | 9°47 | 29°24 | 24°47 | 4°28 | 0°10 | 1°15 | 23°42 | 25°20 | T 16 |
| F 17 | 4 17 17 | 3°23'59 | 20° 0 | 14° 7 | 0♐ 7 | 3°45 | 28°46 | 9°55 | 29°23 | 24°47 | 4°27 | 0°11 | 1°12 | 23°49 | 25°26 | F 17 |
| S 18 | 4 21 14 | 4°24'56 | 4♓10 | 15°25 | 1°22 | 4°20 | 28°57 | 10° 2 | 29°22 | 24°46 | 4°27 | 0°R12 | 1° 9 | 23°56 | 25°32 | S 18 |
| S 19 | 4 25 10 | 5°25'53 | 18°17 | 16°46 | 2°38 | 4°55 | 29° 8 | 10° 9 | 29°21 | 24°46 | 4°26 | 0°11 | 1° 6 | 24° 2 | 25°38 | S 19 |
| M20 | 4 29 7 | 6°26'52 | 2♈20 | 18° 8 | 3°53 | 5°30 | 29°19 | 10°16 | 29°19 | 24°46 | 4°25 | 0° 9 | 1° 3 | 24° 9 | 25°44 | M20 |
| T 21 | 4 33 4 | 7°27'50 | 16°15 | 19°32 | 5° 9 | 6° 5 | 29°30 | 10°23 | 29°18 | 24°45 | 4°24 | 0° 7 | 0°59 | 24°16 | 25°50 | T 21 |
| W22 | 4 37 0 | 8°28'50 | 0♉ 1 | 20°56 | 6°24 | 6°40 | 29°42 | 10°30 | 29°17 | 24°45 | 4°23 | 0° 3 | 0°56 | 24°22 | 25°56 | W22 |
| T 23 | 4 40 57 | 9°29'50 | 13°35 | 22°22 | 7°40 | 7°15 | 29°53 | 10°37 | 29°15 | 24°45 | 4°22 | 0° 0 | 0°53 | 24°29 | 26° 2 | T 23 |
| F 24 | 4 44 53 | 10°30'51 | 26°56 | 23°49 | 8°55 | 7°50 | 0♒ 5 | 10°44 | 29°14 | 24°45 | 4°21 | 29♊57 | 0°50 | 24°36 | 26° 8 | F 24 |
| S 25 | 4 48 50 | 11°31'53 | 10♊ 3 | 25°16 | 10°11 | 8°25 | 0°17 | 10°51 | 29°12 | 24°45 | 4°20 | 29°55 | 0°47 | 24°43 | 26°14 | S 25 |
| S 26 | 4 52 46 | 12°32'56 | 22°54 | 26°44 | 11°27 | 9° 0 | 0°28 | 10°58 | 29°11 | 24°45 | 4°19 | 29°54 | 0°44 | 24°49 | 26°20 | S 26 |
| M27 | 4 56 43 | 13°33'59 | 5♋29 | 28°13 | 12°42 | 9°34 | 0°40 | 11° 5 | 29° 9 | 24°D45 | 4°18 | 29°D54 | 0°40 | 24°56 | 26°26 | M27 |
| T 28 | 5 0 39 | 14°35'03 | 17°49 | 29°42 | 13°58 | 10° 9 | 0°52 | 11°12 | 29° 8 | 24°45 | 4°18 | 29°55 | 0°37 | 25° 3 | 26°32 | T 28 |
| W29 | 5 4 36 | 15°36'08 | 29°57 | 1♐12 | 15°13 | 10°44 | 1° 4 | 11°19 | 29° 6 | 24°45 | 4°17 | 29°56 | 0°34 | 25° 9 | 26°38 | W29 |
| T 30 | 5 8 33 | 16♐37'14 | 11♌55 | 2♐42 | 16♐29 | 11♎18 | 1♒16 | 11♐26 | 29♋ 4 | 24♓45 | 4♉16 | 29♊58 | 0♋31 | 25♌16 | 26♐44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s 1 | 23n34 | 1n54 | 11s20 | 1n49 | 13s57 | 0n57 | 3n38 | 1n28 | 21s40 | 0s41 | 20s20 | 1n25 | 20n52 | 0n34 | 3s22 | 1s28 | 2s 7 | 16s10 | 23n31 | 23n30 | 17n56 | 17s40 | 5n43 |
| T 2 | 17 18 | 22 4 | 2 51 | 11 0 | 2 0 | 14 23 | 0 55 | 3 24 | 1 28 | 21 39 | 0 41 | 20 21 | 1 25 | 20 52 | 0 34 | 3 22 | 1 28 | 2 7 | 16 10 | 23 31 | 23 30 | 17 55 | 17 41 | 5 43 |
| F 3 | 17 35 | 19 36 | 3 41 | 10 45 | 2 10 | 14 48 | 0 53 | 3 10 | 1 28 | 21 37 | 0 41 | 20 22 | 1 25 | 20 52 | 0 34 | 3 22 | 1 28 | 2 8 | 16 10 | 23 31 | 23 30 | 17 53 | 17 41 | 5 42 |
| S 4 | 17 52 | 16 21 | 4 21 | 10 36 | 2 17 | 15 12 | 0 51 | 2 56 | 1 29 | 21 35 | 0 41 | 20 23 | 1 25 | 20 52 | 0 34 | 3 22 | 1 28 | 2 8 | 16 10 | 23 31 | 23 30 | 17 51 | 17 42 | 5 42 |
| S 5 | 18 8 | 12 25 | 4 50 | 10 32 | 2 23 | 15 37 | 0 49 | 2 42 | 1 29 | 21 33 | 0 41 | 20 24 | 1 25 | 20 52 | 0 34 | 3 23 | 1 28 | 2 8 | 16 10 | 23 31 | 23 31 | 17 50 | 17 42 | 5 42 |
| M 6 | 18 24 | 7 58 | 5 7 | 10 34 | 2 27 | 16 1 | 0 47 | 2 28 | 1 29 | 21 31 | 0 41 | 20 26 | 1 25 | 20 52 | 0 34 | 3 23 | 1 28 | 2 8 | 16 10 | 23 31 | 23 31 | 17 48 | 17 43 | 5 42 |
| T 7 | 18 39 | 3 8 | 5 10 | 10 40 | 2 29 | 16 24 | 0 45 | 2 13 | 1 29 | 21 29 | 0 41 | 20 27 | 1 24 | 20 52 | 0 34 | 3 23 | 1 28 | 2 9 | 16 10 | 23 31 | 23 31 | 17 46 | 17 43 | 5 42 |
| W 8 | 18 54 | 1s56 | 4 59 | 10 50 | 2 30 | 16 47 | 0 43 | 1 59 | 1 29 | 21 27 | 0 41 | 20 28 | 1 24 | 20 53 | 0 34 | 3 23 | 1 28 | 2 9 | 16 9 | 23 31 | 23 31 | 17 45 | 17 43 | 5 42 |
| T 9 | 19 9 | 7 2 | 4 32 | 11 4 | 2 30 | 17 9 | 0 41 | 1 45 | 1 30 | 21 26 | 0 41 | 20 29 | 1 24 | 20 53 | 0 34 | 3 24 | 1 27 | 2 9 | 16 9 | 23 31 | 23 31 | 17 43 | 17 44 | 5 41 |
| F 10 | 19 23 | 11 58 | 3 51 | 11 21 | 2 28 | 17 32 | 0 39 | 1 31 | 1 30 | 21 24 | 0 41 | 20 30 | 1 24 | 20 53 | 0 34 | 3 24 | 1 27 | 2 9 | 16 9 | 23 31 | 23 31 | 17 41 | 17 44 | 5 41 |
| S 11 | 19 38 | 16 26 | 2 56 | 11 41 | 2 26 | 17 53 | 0 36 | 1 17 | 1 30 | 21 21 | 0 41 | 20 31 | 1 24 | 20 53 | 0 34 | 3 24 | 1 27 | 2 9 | 16 9 | 23 31 | 23 31 | 17 39 | 17 44 | 5 41 |
| S 12 | 19 51 | 20 9 | 1 50 | 12 3 | 2 23 | 18 14 | 0 34 | 1 3 | 1 30 | 21 19 | 0 41 | 20 32 | 1 24 | 20 53 | 0 34 | 3 24 | 1 27 | 2 9 | 16 9 | 23 31 | 23 31 | 17 38 | 17 45 | 5 41 |
| M13 | 20 5 | 22 45 | 0 37 | 12 27 | 2 19 | 18 35 | 0 32 | 0 49 | 1 30 | 21 17 | 0 41 | 20 33 | 1 24 | 20 54 | 0 34 | 3 24 | 1 27 | 2 10 | 16 9 | 23 31 | 23 31 | 17 36 | 17 45 | 5 41 |
| T 14 | 20 18 | 23 59 | 0s40 | 12 52 | 2 14 | 18 55 | 0 30 | 0 35 | 1 31 | 21 15 | 0 41 | 20 35 | 1 24 | 20 54 | 0 34 | 3 25 | 1 27 | 2 10 | 16 9 | 23 31 | 23 31 | 17 34 | 17 45 | 5 41 |
| W15 | 20 30 | 23 40 | 1 55 | 13 19 | 2 9 | 19 15 | 0 27 | 0 22 | 1 31 | 21 13 | 0 41 | 20 36 | 1 24 | 20 54 | 0 34 | 3 25 | 1 27 | 2 10 | 16 8 | 23 31 | 23 31 | 17 33 | 17 46 | 5 41 |
| T 16 | 20 43 | 21 51 | 3 3 | 13 47 | 2 4 | 19 34 | 0 25 | 0 8 | 1 31 | 21 11 | 0 41 | 20 37 | 1 24 | 20 54 | 0 34 | 3 25 | 1 27 | 2 10 | 16 8 | 23 31 | 23 31 | 17 31 | 17 46 | 5 41 |
| F 17 | 20 54 | 18 40 | 4 0 | 14 15 | 1 58 | 19 52 | 0 23 | 0s 6 | 1 31 | 21 9 | 0 41 | 20 38 | 1 24 | 20 55 | 0 34 | 3 25 | 1 27 | 2 10 | 16 8 | 23 31 | 23 31 | 17 29 | 17 46 | 5 40 |
| S 18 | 21 6 | 14 24 | 4 43 | 14 44 | 1 52 | 20 10 | 0 21 | 0 20 | 1 31 | 21 6 | 0 41 | 20 39 | 1 24 | 20 55 | 0 34 | 3 25 | 1 27 | 2 10 | 16 8 | 23 31 | 23 31 | 17 27 | 17 47 | 5 40 |
| S 19 | 21 17 | 9 21 | 5 8 | 15 14 | 1 45 | 20 28 | 0 18 | 0 34 | 1 31 | 21 4 | 0 41 | 20 40 | 1 24 | 20 55 | 0 34 | 3 25 | 1 27 | 2 11 | 16 8 | 23 31 | 23 31 | 17 26 | 17 47 | 5 40 |
| M20 | 21 28 | 3 52 | 5 14 | 15 43 | 1 38 | 20 44 | 0 16 | 0 48 | 1 32 | 21 2 | 0 41 | 20 41 | 1 23 | 20 55 | 0 34 | 3 25 | 1 27 | 2 11 | 16 7 | 23 31 | 23 31 | 17 24 | 17 47 | 5 40 |
| T 21 | 21 38 | 1n46 | 5 2 | 16 12 | 1 31 | 21 1 | 0 14 | 1 1 | 1 32 | 20 59 | 0 41 | 20 42 | 1 23 | 20 56 | 0 34 | 3 25 | 1 27 | 2 11 | 16 7 | 23 31 | 23 31 | 17 22 | 17 47 | 5 40 |
| W22 | 21 48 | 7 15 | 4 33 | 16 42 | 1 24 | 21 16 | 0 11 | 1 15 | 1 32 | 20 57 | 0 41 | 20 43 | 1 23 | 20 56 | 0 34 | 3 25 | 1 27 | 2 11 | 16 7 | 23 31 | 23 31 | 17 20 | 17 48 | 5 40 |
| T 23 | 21 57 | 12 20 | 3 48 | 17 11 | 1 17 | 21 31 | 0 9 | 1 29 | 1 32 | 20 54 | 0 41 | 20 44 | 1 23 | 20 56 | 0 35 | 3 25 | 1 27 | 2 11 | 16 7 | 23 31 | 23 31 | 17 18 | 17 48 | 5 40 |
| F 24 | 22 6 | 16 45 | 2 52 | 17 40 | 1 10 | 21 45 | 0 6 | 1 42 | 1 32 | 20 52 | 0 41 | 20 45 | 1 23 | 20 57 | 0 35 | 3 25 | 1 27 | 2 11 | 16 7 | 23 31 | 23 31 | 17 17 | 17 48 | 5 40 |
| S 25 | 22 15 | 20 16 | 1 47 | 18 8 | 1 2 | 21 59 | 0 4 | 1 56 | 1 32 | 20 49 | 0 41 | 20 47 | 1 23 | 20 57 | 0 35 | 3 25 | 1 27 | 2 11 | 16 6 | 23 31 | 23 31 | 17 15 | 17 48 | 5 40 |
| S 26 | 22 23 | 22 41 | 0 39 | 18 36 | 0 55 | 22 12 | 0 2 | 2 10 | 1 33 | 20 47 | 0 41 | 20 48 | 1 23 | 20 57 | 0 35 | 3 25 | 1 27 | 2 11 | 16 6 | 23 31 | 23 31 | 17 13 | 17 48 | 5 40 |
| M27 | 22 30 | 23 55 | 0n31 | 19 3 | 0 48 | 22 25 | 0s 1 | 2 23 | 1 33 | 20 44 | 0 41 | 20 49 | 1 23 | 20 58 | 0 35 | 3 25 | 1 27 | 2 11 | 16 6 | 23 31 | 23 31 | 17 11 | 17 49 | 5 40 |
| T 28 | 22 38 | 23 56 | 1 37 | 19 30 | 0 40 | 22 36 | 0 3 | 2 37 | 1 33 | 20 42 | 0 41 | 20 50 | 1 23 | 20 58 | 0 35 | 3 25 | 1 27 | 2 11 | 16 6 | 23 31 | 23 31 | 17 10 | 17 49 | 5 40 |
| W29 | 22 44 | 22 49 | 2 39 | 19 56 | 0 33 | 22 47 | 0 6 | 2 50 | 1 33 | 20 39 | 0 41 | 20 51 | 1 23 | 20 58 | 0 35 | 3 25 | 1 27 | 2 11 | 16 5 | 23 31 | 23 31 | 17 8 | 17 49 | 5 40 |
| T 30 | 22s51 | 20n40 | 3n32 | 20s21 | 0n25 | 22s58 | 0s 8 | 3s 3 | 1n33 | 20s37 | 0s41 | 20s52 | 1n23 | 20n59 | 0n35 | 3s25 | 1s27 | 2s11 | 16s 5 | 23n31 | 23n31 | 17n 6 | 17s49 | 5n40 |

Julian Day Number = 2221024.5, Delta T = 08m41s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'11, Lahiri = 15°03'11 Julian Calendar 1 Nov. 1368 == Greg. Calendar 9 Nov. 1368


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# ASTRODIENST EPHEMERIS for the year 1368
# geocentric

## DECEMBER 1368 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 12 29 | 17♐38'20 | 23♌47 | 4♐12 | 17♐44 | 11♎52 | 1♒28 | 11♐33 | 29°R 3 | 24♓45 | 4°R15 | 29♊59 | 0♋28 | 25♌23 | 26♐50 | F 1 |
| S 2 | 5 16 26 | 18°39'28 | 5♍38 | 5°43 | 19° 0 | 12°27 | 1°40 | 11°40 | 29♋ 1 | 24°45 | 4♉14 | 29°59 | 0°25 | 25°29 | 26°56 | S 2 |
| S 3 | 5 20 22 | 19°40'36 | 17°32 | 7°14 | 20°15 | 13° 1 | 1°53 | 11°47 | 28°59 | 24°45 | 4°14 | 0°R 0 | 0°21 | 25°36 | 27° 2 | S 3 |
| M 4 | 5 24 19 | 20°41'44 | 29°33 | 8°45 | 21°31 | 13°35 | 2° 5 | 11°54 | 28°57 | 24°45 | 4°13 | 0♋ 0 | 0°18 | 25°43 | 27° 9 | M 4 |
| T 5 | 5 28 15 | 21°42'54 | 11♎47 | 10°17 | 22°46 | 14°10 | 2°18 | 12° 1 | 28°55 | 24°46 | 4°12 | 29♊59 | 0°15 | 25°50 | 27°15 | T 5 |
| W 6 | 5 32 12 | 22°44'04 | 24°18 | 11°48 | 24° 2 | 14°44 | 2°30 | 12° 8 | 28°53 | 24°46 | 4°12 | 29°59 | 0°12 | 25°56 | 27°21 | W 6 |
| T 7 | 5 36 8 | 23°45'15 | 7♏ 9 | 13°21 | 25°17 | 15°18 | 2°43 | 12°15 | 28°51 | 24°46 | 4°11 | 29°58 | 0° 9 | 26° 3 | 27°27 | T 7 |
| F 8 | 5 40 5 | 24°46'26 | 20°22 | 14°53 | 26°33 | 15°52 | 2°56 | 12°22 | 28°49 | 24°46 | 4°10 | 29°57 | 0° 5 | 26°10 | 27°33 | F 8 |
| S 9 | 5 44 2 | 25°47'38 | 3♑58 | 16°26 | 27°48 | 16°26 | 3° 8 | 12°29 | 28°47 | 24°47 | 4° 9 | 29°57 | 0° 2 | 26°16 | 27°39 | S 9 |
| S 10 | 5 47 58 | 26°48'50 | 17°57 | 17°58 | 29° 4 | 16°59 | 3°21 | 12°36 | 28°45 | 24°47 | 4° 9 | 29°56 | 29♊59 | 26°23 | 27°45 | S 10 |
| M11 | 5 51 55 | 27°50'03 | 2♑14 | 19°32 | 0♑19 | 17°33 | 3°34 | 12°43 | 28°43 | 24°48 | 4° 8 | 29°D56 | 29°56 | 26°30 | 27°52 | M11 |
| T 12 | 5 55 51 | 28°51'15 | 16°44 | 21° 5 | 1°35 | 18° 7 | 3°47 | 12°50 | 28°41 | 24°48 | 4° 8 | 29°56 | 29°53 | 26°36 | 27°58 | T 12 |
| W13 | 5 59 48 | 29°52'28 | 1♒22 | 22°39 | 2°50 | 18°40 | 4° 0 | 12°57 | 28°39 | 24°49 | 4° 7 | 29°R56 | 29°50 | 26°43 | 28° 4 | W13 |
| T 14 | 6 3 44 | 0♑53'40 | 16° 1 | 24°13 | 4° 6 | 19°14 | 4°13 | 13° 4 | 28°37 | 24°49 | 4° 7 | 29°56 | 29°46 | 26°50 | 28°10 | T 14 |
| F 15 | 6 7 41 | 1°54'53 | 0♓36 | 25°47 | 5°21 | 19°47 | 4°26 | 13°10 | 28°34 | 24°50 | 4° 6 | 29°56 | 29°43 | 26°57 | 28°16 | F 15 |
| S 16 | 6 11 38 | 2°56'05 | 15° 0 | 27°22 | 6°37 | 20°21 | 4°40 | 13°17 | 28°32 | 24°51 | 4° 5 | 29°56 | 29°40 | 27° 3 | 28°22 | S 16 |
| S 17 | 6 15 34 | 3°57'16 | 29°11 | 28°57 | 7°52 | 20°54 | 4°53 | 13°24 | 28°30 | 24°51 | 4° 5 | 29°D56 | 29°37 | 27°10 | 28°28 | S 17 |
| M18 | 6 19 31 | 4°58'28 | 13♈ 7 | 0♑32 | 9° 8 | 21°27 | 5° 6 | 13°31 | 28°28 | 24°52 | 4° 4 | 29°56 | 29°34 | 27°17 | 28°35 | M18 |
| T 19 | 6 23 27 | 5°59'38 | 26°47 | 2° 8 | 10°23 | 22° 0 | 5°19 | 13°37 | 28°25 | 24°53 | 4° 4 | 29°56 | 29°31 | 27°23 | 28°41 | T 19 |
| W20 | 6 27 24 | 7° 0'49 | 10♉12 | 3°44 | 11°39 | 22°33 | 5°33 | 13°44 | 28°23 | 24°53 | 4° 4 | 29°57 | 29°27 | 27°30 | 28°47 | W20 |
| T 21 | 6 31 20 | 8° 1'59 | 23°22 | 5°21 | 12°54 | 23° 6 | 5°46 | 13°51 | 28°21 | 24°54 | 4° 3 | 29°57 | 29°24 | 27°37 | 28°53 | T 21 |
| F 22 | 6 35 17 | 9° 3'08 | 6♊18 | 6°58 | 14° 9 | 23°39 | 6° 0 | 13°57 | 28°18 | 24°55 | 4° 3 | 29°58 | 29°21 | 27°43 | 28°59 | F 22 |
| S 23 | 6 39 13 | 10° 4'18 | 19° 1 | 8°35 | 15°25 | 24°12 | 6°13 | 14° 4 | 28°16 | 24°56 | 4° 2 | 29°59 | 29°18 | 27°50 | 29° 5 | S 23 |
| S 24 | 6 43 10 | 11° 5'27 | 1♋32 | 10°13 | 16°40 | 24°44 | 6°27 | 14°11 | 28°13 | 24°57 | 4° 2 | 29°R59 | 29°15 | 27°57 | 29°11 | S 24 |
| M25 | 6 47 7 | 12° 6'35 | 13°52 | 11°51 | 17°56 | 25°17 | 6°41 | 14°17 | 28°11 | 24°58 | 4° 2 | 29°59 | 29°11 | 28° 4 | 29°17 | M25 |
| T 26 | 6 51 3 | 13° 7'43 | 26° 3 | 13°30 | 19°11 | 25°49 | 6°54 | 14°24 | 28° 8 | 24°59 | 4° 1 | 29°58 | 29° 8 | 28°10 | 29°23 | T 26 |
| W27 | 6 55 0 | 14° 8'51 | 8♌ 5 | 15° 9 | 20°26 | 26°21 | 7° 8 | 14°30 | 28° 6 | 25° 0 | 4° 1 | 29°56 | 29° 5 | 28°17 | 29°29 | W27 |
| T 28 | 6 58 56 | 15° 9'58 | 20° 1 | 16°49 | 21°42 | 26°54 | 7°22 | 14°36 | 28° 3 | 25° 1 | 4° 1 | 29°53 | 29° 2 | 28°24 | 29°35 | T 28 |
| F 29 | 7 2 53 | 16°11'05 | 1♍53 | 18°29 | 22°57 | 27°26 | 7°36 | 14°43 | 28° 1 | 25° 2 | 4° 1 | 29°51 | 28°59 | 28°30 | 29°41 | F 29 |
| S 30 | 7 6 49 | 17°12'12 | 13°44 | 20° 9 | 24°13 | 27°58 | 7°50 | 14°49 | 27°58 | 25° 3 | 4° 0 | 29°48 | 28°56 | 28°37 | 29°47 | S 30 |
| S 31 | 7 10 46 | 18♑13'18 | 25♍37 | 21♑51 | 25♑28 | 28♎30 | 8♒ 4 | 14♐55 | 27♋56 | 25♓ 4 | 4♉ 0 | 29♊46 | 28♊52 | 28♌44 | 29♐53 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s57 | 17n39 | 4n16 | 20s46 | 0n18 | 23s 7 | 0s10 | 3s17 | 1n33 | 20s34 | 0s41 | 20s53 | 1n23 | 20n59 | 0n35 | 3s25 | 1s27 | 2s11 | 16s 5 | 23n31 | 23n31 | 17n 4 | 17s49 | 5n40 |
| S 2 | 23 2 | 13 57 | 4 49 | 21 9 | 0 11 | 23 16 | 0 13 | 3 30 | 1 33 | 20 31 | 0 41 | 20 54 | 1 23 | 21 0 | 0 35 | 3 25 | 1 27 | 2 11 | 16 5 | 23 31 | 23 31 | 17 2 | 17 49 | 5 40 |
| S 3 | 23 7 | 9 41 | 5 10 | 21 32 | 0 4 | 23 25 | 0 15 | 3 43 | 1 34 | 20 28 | 0 41 | 20 55 | 1 23 | 21 0 | 0 35 | 3 25 | 1 27 | 2 11 | 16 4 | 23 31 | 23 31 | 17 0 | 17 49 | 5 40 |
| M 4 | 23 12 | 5 1 | 5 17 | 21 53 | 0s 3 | 23 32 | 0 17 | 3 56 | 1 34 | 20 26 | 0 41 | 20 56 | 1 23 | 21 0 | 0 35 | 3 25 | 1 26 | 2 11 | 16 4 | 23 31 | 23 31 | 16 59 | 17 50 | 5 40 |
| T 5 | 23 16 | 0 5 | 5 10 | 22 14 | 0 10 | 23 39 | 0 20 | 4 10 | 1 34 | 20 23 | 0 41 | 20 57 | 1 23 | 21 1 | 0 35 | 3 25 | 1 26 | 2 11 | 16 4 | 23 31 | 23 31 | 16 57 | 17 50 | 5 40 |
| W 6 | 23 19 | 4s58 | 4 49 | 22 34 | 0 17 | 23 45 | 0 22 | 4 23 | 1 34 | 20 20 | 0 41 | 20 57 | 1 23 | 21 1 | 0 35 | 3 24 | 1 26 | 2 11 | 16 4 | 23 31 | 23 31 | 16 55 | 17 50 | 5 40 |
| T 7 | 23 22 | 9 58 | 4 13 | 22 52 | 0 24 | 23 51 | 0 24 | 4 36 | 1 34 | 20 17 | 0 41 | 20 58 | 1 23 | 21 2 | 0 35 | 3 24 | 1 26 | 2 11 | 16 3 | 23 31 | 23 31 | 16 53 | 17 50 | 5 40 |
| F 8 | 23 25 | 14 39 | 3 22 | 23 10 | 0 31 | 23 55 | 0 27 | 4 49 | 1 34 | 20 14 | 0 41 | 20 59 | 1 23 | 21 2 | 0 35 | 3 24 | 1 26 | 2 11 | 16 3 | 23 31 | 23 31 | 16 51 | 17 50 | 5 40 |
| S 9 | 23 27 | 18 44 | 2 19 | 23 26 | 0 37 | 23 59 | 0 29 | 5 2 | 1 34 | 20 11 | 0 41 | 21 0 | 1 23 | 21 3 | 0 35 | 3 24 | 1 26 | 2 11 | 16 3 | 23 31 | 23 31 | 16 49 | 17 50 | 5 40 |
| S 10 | 23 29 | 21 53 | 1 6 | 23 42 | 0 43 | 24 2 | 0 31 | 5 15 | 1 35 | 20 8 | 0 41 | 21 1 | 1 23 | 21 3 | 0 35 | 3 24 | 1 26 | 2 11 | 16 3 | 23 31 | 23 31 | 16 48 | 17 50 | 5 40 |
| M11 | 23 30 | 23 43 | 0s13 | 23 56 | 0 49 | 24 5 | 0 33 | 5 27 | 1 35 | 20 5 | 0 41 | 21 2 | 1 23 | 21 3 | 0 35 | 3 24 | 1 26 | 2 11 | 16 2 | 23 31 | 23 31 | 16 46 | 17 50 | 5 40 |
| T 12 | 23 31 | 23 59 | 1 32 | 24 9 | 0 56 | 24 6 | 0 36 | 5 40 | 1 35 | 20 2 | 0 41 | 21 3 | 1 23 | 21 4 | 0 35 | 3 23 | 1 26 | 2 11 | 16 2 | 23 31 | 23 31 | 16 44 | 17 50 | 5 40 |
| W13 | 23 31 | 22 37 | 2 46 | 24 20 | 1 1 | 24 7 | 0 38 | 5 53 | 1 35 | 19 59 | 0 41 | 21 4 | 1 23 | 21 4 | 0 35 | 3 23 | 1 26 | 2 11 | 16 2 | 23 31 | 23 31 | 16 42 | 17 50 | 5 40 |
| T 14 | 23 31 | 19 44 | 3 49 | 24 31 | 1 7 | 24 7 | 0 40 | 6 5 | 1 35 | 19 56 | 0 41 | 21 5 | 1 22 | 21 5 | 0 35 | 3 23 | 1 26 | 2 11 | 16 1 | 23 31 | 23 31 | 16 40 | 17 50 | 5 41 |
| F 15 | 23 30 | 15 37 | 4 37 | 24 40 | 1 12 | 24 7 | 0 42 | 6 18 | 1 35 | 19 53 | 0 41 | 21 6 | 1 22 | 21 5 | 0 35 | 3 23 | 1 26 | 2 10 | 16 1 | 23 31 | 23 31 | 16 38 | 17 50 | 5 41 |
| S 16 | 23 29 | 10 38 | 5 7 | 24 47 | 1 18 | 24 5 | 0 44 | 6 30 | 1 35 | 19 50 | 0 41 | 21 6 | 1 22 | 21 6 | 0 35 | 3 22 | 1 26 | 2 10 | 16 1 | 23 31 | 23 31 | 16 36 | 17 50 | 5 41 |
| S 17 | 23 28 | 5 10 | 5 17 | 24 54 | 1 23 | 24 3 | 0 46 | 6 43 | 1 35 | 19 47 | 0 41 | 21 7 | 1 22 | 21 6 | 0 35 | 3 22 | 1 26 | 2 10 | 16 0 | 23 31 | 23 31 | 16 34 | 17 50 | 5 41 |
| M18 | 23 26 | 0n27 | 5 9 | 24 59 | 1 28 | 24 0 | 0 48 | 6 55 | 1 35 | 19 43 | 0 41 | 21 8 | 1 22 | 21 7 | 0 35 | 3 22 | 1 26 | 2 10 | 16 0 | 23 31 | 23 31 | 16 32 | 17 50 | 5 41 |
| T 19 | 23 23 | 5 57 | 4 43 | 25 2 | 1 32 | 23 57 | 0 50 | 7 7 | 1 35 | 19 40 | 0 41 | 21 9 | 1 22 | 21 7 | 0 35 | 3 21 | 1 26 | 2 10 | 16 0 | 23 31 | 23 31 | 16 31 | 17 50 | 5 41 |
| W20 | 23 20 | 11 5 | 4 2 | 25 5 | 1 36 | 23 53 | 0 52 | 7 20 | 1 35 | 19 37 | 0 41 | 21 10 | 1 22 | 21 8 | 0 35 | 3 21 | 1 26 | 2 10 | 15 59 | 23 31 | 23 31 | 16 29 | 17 50 | 5 41 |
| T 21 | 23 17 | 15 37 | 3 9 | 25 5 | 1 41 | 23 47 | 0 54 | 7 32 | 1 36 | 19 34 | 0 41 | 21 11 | 1 22 | 21 8 | 0 35 | 3 21 | 1 26 | 2 10 | 15 59 | 23 31 | 23 31 | 16 27 | 17 50 | 5 41 |
| F 22 | 23 13 | 19 20 | 2 8 | 25 5 | 1 44 | 23 42 | 0 56 | 7 44 | 1 36 | 19 30 | 0 41 | 21 11 | 1 22 | 21 9 | 0 35 | 3 20 | 1 26 | 2 9 | 15 59 | 23 31 | 23 31 | 16 25 | 17 49 | 5 42 |
| S 23 | 23 8 | 22 4 | 1 0 | 25 2 | 1 48 | 23 35 | 0 58 | 7 56 | 1 36 | 19 27 | 0 41 | 21 12 | 1 22 | 21 9 | 0 35 | 3 20 | 1 26 | 2 9 | 15 59 | 23 31 | 23 31 | 16 23 | 17 49 | 5 42 |
| S 24 | 23 3 | 23 39 | 0n 9 | 24 58 | 1 51 | 23 28 | 1 0 | 8 8 | 1 36 | 19 23 | 0 41 | 21 13 | 1 22 | 21 10 | 0 35 | 3 19 | 1 26 | 2 9 | 15 58 | 23 31 | 23 31 | 16 21 | 17 49 | 5 42 |
| M25 | 22 58 | 24 4 | 1 16 | 24 53 | 1 54 | 23 20 | 1 1 | 8 20 | 1 36 | 19 20 | 0 41 | 21 14 | 1 22 | 21 10 | 0 35 | 3 19 | 1 26 | 2 9 | 15 58 | 23 31 | 23 31 | 16 19 | 17 49 | 5 42 |
| T 26 | 22 52 | 23 17 | 2 19 | 24 46 | 1 57 | 23 11 | 1 3 | 8 31 | 1 36 | 19 17 | 0 41 | 21 14 | 1 22 | 21 11 | 0 35 | 3 19 | 1 26 | 2 9 | 15 58 | 23 31 | 23 31 | 16 17 | 17 49 | 5 42 |
| W27 | 22 46 | 21 27 | 3 15 | 24 38 | 1 59 | 23 2 | 1 5 | 8 43 | 1 36 | 19 13 | 0 41 | 21 15 | 1 22 | 21 11 | 0 35 | 3 18 | 1 25 | 2 8 | 15 57 | 23 31 | 23 31 | 16 15 | 17 49 | 5 42 |
| T 28 | 22 39 | 18 41 | 4 3 | 24 28 | 2 1 | 22 52 | 1 6 | 8 55 | 1 36 | 19 10 | 0 42 | 21 16 | 1 22 | 21 12 | 0 35 | 3 18 | 1 25 | 2 8 | 15 57 | 23 31 | 23 31 | 16 13 | 17 49 | 5 43 |
| F 29 | 22 32 | 15 10 | 4 39 | 24 16 | 2 3 | 22 41 | 1 8 | 9 6 | 1 36 | 19 6 | 0 42 | 21 17 | 1 22 | 21 12 | 0 35 | 3 17 | 1 25 | 2 8 | 15 57 | 23 31 | 23 31 | 16 11 | 17 48 | 5 43 |
| S 30 | 22 25 | 11 5 | 5 3 | 24 3 | 2 4 | 22 29 | 1 10 | 9 17 | 1 36 | 19 3 | 0 42 | 21 17 | 1 22 | 21 13 | 0 35 | 3 17 | 1 25 | 2 8 | 15 56 | 23 31 | 23 31 | 16 9 | 17 48 | 5 43 |
| S 31 | 22s17 | 6n33 | 5n15 | 23s48 | 2s 5 | 22s17 | 1s11 | 9s29 | 1n36 | 18s59 | 0s42 | 21s18 | 1n22 | 21n14 | 0n35 | 3s16 | 1s25 | 2s 7 | 15s56 | 23n31 | 23n31 | 16n 7 | 17s48 | 5n43 |

Julian Day Number = 2221054.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'15, Lahiri = 15°03'15 Julian Calendar 1 Dec. 1368 == Greg. Calendar 9 Dec. 1368


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## JANUARY 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 14 42 | 19♉14'24 | 7♎36 | 23♉32 | 26♉43 | 29♎ 2 | 8♒18 | 15♐ 2 | 27°R53 | 25♓ 5 | 4°R 0 | 29°R45 | 28♊49 | 28♌51 | 29♐59 | M 1 |
| T 2 | 7 18 39 | 20°15'30 | 19°47 | 25°14 | 27°59 | 29°33 | 8°32 | 15° 8 | 27♋50 | 25° 6 | 4♉ 0 | 29°D44 | 28°46 | 28°57 | 0♉ 5 | T 2 |
| W 3 | 7 22 36 | 21°16'35 | 2♏12 | 26°57 | 29°14 | 0♏ 5 | 8°46 | 15°14 | 27°48 | 25° 7 | 4° 0 | 29♊44 | 28°43 | 29° 4 | 0°11 | W 3 |
| T 4 | 7 26 32 | 22°17'39 | 14°58 | 28°40 | 0♒29 | 0°36 | 9° 0 | 15°20 | 27°45 | 25° 9 | 3°59 | 29°46 | 28°40 | 29°11 | 0°16 | T 4 |
| F 5 | 7 30 29 | 23°18'44 | 28° 7 | 0♒23 | 1°45 | 1° 8 | 9°14 | 15°26 | 27°43 | 25°10 | 3°59 | 29°47 | 28°37 | 29°17 | 0°22 | F 5 |
| S 6 | 7 34 25 | 24°19'48 | 11♐42 | 2° 7 | 3° 0 | 1°39 | 9°28 | 15°32 | 27°40 | 25°11 | 3°59 | 29°49 | 28°33 | 29°24 | 0°28 | S 6 |
| S 7 | 7 38 22 | 25°20'51 | 25°45 | 3°51 | 4°15 | 2°10 | 9°42 | 15°38 | 27°37 | 25°13 | 3°59 | 29°R50 | 28°30 | 29°31 | 0°34 | S 7 |
| M 8 | 7 42 18 | 26°21'54 | 10♉13 | 5°35 | 5°30 | 2°41 | 9°56 | 15°44 | 27°35 | 25°14 | 3°59 | 29°49 | 28°27 | 29°37 | 0°39 | M 8 |
| T 9 | 7 46 15 | 27°22'55 | 25° 1 | 7°19 | 6°46 | 3°12 | 10°10 | 15°50 | 27°32 | 25°15 | 3°D59 | 29°48 | 28°24 | 29°44 | 0°45 | T 9 |
| W10 | 7 50 11 | 28°23'56 | 10♒ 3 | 9° 3 | 8° 1 | 3°42 | 10°24 | 15°56 | 27°29 | 25°17 | 3°59 | 29°45 | 28°21 | 29°51 | 0°51 | W10 |
| T 11 | 7 54 8 | 29°24'56 | 25° 9 | 10°47 | 9°16 | 4°13 | 10°39 | 16° 2 | 27°27 | 25°18 | 3°59 | 29°40 | 28°17 | 29°58 | 0°56 | T 11 |
| F 12 | 7 58 5 | 0♒25'55 | 10♓10 | 12°31 | 10°32 | 4°43 | 10°53 | 16° 8 | 27°24 | 25°20 | 3°59 | 29°36 | 28°14 | 0♍ 4 | 1° 2 | F 12 |
| S 13 | 8 2 1 | 1°26'52 | 24°57 | 14°14 | 11°47 | 5°13 | 11° 7 | 16°13 | 27°22 | 25°21 | 3°59 | 29°31 | 28°11 | 0°11 | 1° 7 | S 13 |
| S 14 | 8 5 58 | 2°27'48 | 9♈24 | 15°56 | 13° 2 | 5°43 | 11°21 | 16°19 | 27°19 | 25°23 | 3°59 | 29°28 | 28° 8 | 0°18 | 1°13 | S 14 |
| M15 | 8 9 54 | 3°28'42 | 23°27 | 17°37 | 14°17 | 6°13 | 11°36 | 16°24 | 27°16 | 25°24 | 4° 0 | 29°26 | 28° 5 | 0°24 | 1°18 | M15 |
| T 16 | 8 13 51 | 4°29'35 | 7♉ 7 | 19°17 | 15°32 | 6°43 | 11°50 | 16°30 | 27°14 | 25°26 | 4° 0 | 29°D26 | 28° 2 | 0°31 | 1°24 | T 16 |
| W17 | 8 17 47 | 5°30'27 | 20°23 | 20°54 | 16°47 | 7°13 | 12° 4 | 16°35 | 27°11 | 25°27 | 4° 0 | 29°27 | 27°58 | 0°38 | 1°29 | W17 |
| T 18 | 8 21 44 | 6°31'17 | 3♊19 | 22°30 | 18° 3 | 7°42 | 12°19 | 16°41 | 27° 9 | 25°29 | 4° 0 | 29°28 | 27°55 | 0°45 | 1°35 | T 18 |
| F 19 | 8 25 40 | 7°32'06 | 15°58 | 24° 3 | 19°18 | 8°12 | 12°33 | 16°46 | 27° 6 | 25°31 | 4° 0 | 29°30 | 27°52 | 0°51 | 1°40 | F 19 |
| S 20 | 8 29 37 | 8°32'54 | 28°24 | 25°32 | 20°33 | 8°41 | 12°47 | 16°51 | 27° 3 | 25°32 | 4° 0 | 29°R31 | 27°49 | 0°58 | 1°45 | S 20 |
| S 21 | 8 33 34 | 9°33'40 | 10♋38 | 26°57 | 21°48 | 9°10 | 13° 2 | 16°56 | 27° 1 | 25°34 | 4° 1 | 29°30 | 27°46 | 1° 5 | 1°50 | S 21 |
| M22 | 8 37 30 | 10°34'24 | 22°45 | 28°18 | 23° 3 | 9°38 | 13°16 | 17° 2 | 26°58 | 25°36 | 4° 1 | 29°27 | 27°43 | 1°11 | 1°56 | M22 |
| T 23 | 8 41 27 | 11°35'07 | 4♌45 | 29°34 | 24°18 | 10° 7 | 13°30 | 17° 7 | 26°56 | 25°37 | 4° 1 | 29°22 | 27°39 | 1°18 | 2° 1 | T 23 |
| W24 | 8 45 23 | 12°35'49 | 16°41 | 0♓43 | 25°33 | 10°35 | 13°45 | 17°12 | 26°53 | 25°39 | 4° 2 | 29°16 | 27°36 | 1°25 | 2° 6 | W24 |
| T 25 | 8 49 20 | 13°36'29 | 28°34 | 1°46 | 26°48 | 11° 4 | 13°59 | 17°16 | 26°51 | 25°41 | 4° 2 | 29° 7 | 27°33 | 1°32 | 2°11 | T 25 |
| F 26 | 8 53 16 | 14°37'08 | 10♍26 | 2°41 | 28° 3 | 11°32 | 14°14 | 17°21 | 26°48 | 25°43 | 4° 2 | 28°58 | 27°30 | 1°38 | 2°16 | F 26 |
| S 27 | 8 57 13 | 15°37'45 | 22°18 | 3°28 | 29°18 | 12° 0 | 14°28 | 17°26 | 26°46 | 25°45 | 4° 3 | 28°49 | 27°27 | 1°45 | 2°21 | S 27 |
| S 28 | 9 1 9 | 16°38'21 | 4♎13 | 4° 7 | 0♓33 | 12°27 | 14°42 | 17°31 | 26°44 | 25°46 | 4° 3 | 28°41 | 27°23 | 1°52 | 2°26 | S 28 |
| M29 | 9 5 6 | 17°38'56 | 16°13 | 4°35 | 1°48 | 12°55 | 14°57 | 17°35 | 26°41 | 25°48 | 4° 3 | 28°34 | 27°20 | 1°58 | 2°30 | M29 |
| T 30 | 9 9 3 | 18°39'30 | 28°22 | 4°54 | 3° 3 | 13°22 | 15°11 | 17°40 | 26°39 | 25°50 | 4° 4 | 28°30 | 27°17 | 2° 5 | 2°35 | T 30 |
| W31 | 9 12 59 | 19♒40'02 | 10♏44 | 5°R 3 | 4♓17 | 13♏49 | 15♒25 | 17♐45 | 26♋36 | 25♓52 | 4♉ 4 | 28♊27 | 27♊14 | 2♍12 | 2♉40 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s 8 | 1n45 | 5n12 | 23s31 | 2s 5 | 22s 4 | 1s12 | 9s40 | 1n36 | 18s55 | 0s42 | 21s19 | 1n22 | 21n14 | 0n35 | 3s16 | 1s25 | 2s 7 | 15s56 | 23n31 | 23n31 | 16n 5 | 17s48 | 5n44 |
| T 2 | 21 59 | 3s11 | 4 56 | 23 13 | 2 5 | 21 51 | 1 14 | 9 51 | 1 36 | 18 52 | 0 42 | 21 19 | 1 22 | 21 15 | 0 35 | 3 15 | 1 25 | 2 7 | 15 55 | 23 31 | 23 31 | 16 3 | 17 48 | 5 44 |
| W 3 | 21 50 | 8 7 | 4 26 | 22 53 | 2 5 | 21 36 | 1 15 | 10 2 | 1 36 | 18 48 | 0 42 | 21 20 | 1 22 | 21 15 | 0 35 | 3 15 | 1 25 | 2 7 | 15 55 | 23 31 | 23 31 | 16 2 | 17 47 | 5 44 |
| T 4 | 21 40 | 12 50 | 3 42 | 22 31 | 2 4 | 21 22 | 1 16 | 10 13 | 1 36 | 18 45 | 0 42 | 21 21 | 1 22 | 21 16 | 0 35 | 3 14 | 1 25 | 2 6 | 15 54 | 23 31 | 23 31 | 16 0 | 17 47 | 5 44 |
| F 5 | 21 30 | 17 7 | 2 46 | 22 7 | 2 2 | 21 6 | 1 18 | 10 24 | 1 36 | 18 41 | 0 42 | 21 21 | 1 23 | 21 16 | 0 35 | 3 14 | 1 25 | 2 6 | 15 54 | 23 31 | 23 31 | 15 58 | 17 47 | 5 45 |
| S 6 | 21 19 | 20 39 | 1 38 | 21 42 | 2 0 | 20 50 | 1 19 | 10 35 | 1 36 | 18 37 | 0 42 | 21 22 | 1 23 | 21 17 | 0 35 | 3 13 | 1 25 | 2 6 | 15 54 | 23 31 | 23 31 | 15 56 | 17 46 | 5 45 |
| S 7 | 21 8 | 23 5 | 0 22 | 21 16 | 1 58 | 20 33 | 1 20 | 10 46 | 1 36 | 18 33 | 0 42 | 21 23 | 1 23 | 21 17 | 0 36 | 3 13 | 1 25 | 2 5 | 15 53 | 23 31 | 23 31 | 15 54 | 17 46 | 5 45 |
| M 8 | 20 57 | 24 4 | 0s57 | 20 47 | 1 54 | 20 16 | 1 21 | 10 56 | 1 36 | 18 30 | 0 42 | 21 23 | 1 23 | 21 18 | 0 36 | 3 12 | 1 25 | 2 5 | 15 53 | 23 31 | 23 31 | 15 52 | 17 46 | 5 45 |
| T 9 | 20 45 | 23 24 | 2 14 | 20 17 | 1 51 | 19 58 | 1 22 | 11 7 | 1 36 | 18 26 | 0 42 | 21 24 | 1 23 | 21 18 | 0 36 | 3 12 | 1 25 | 2 5 | 15 53 | 23 31 | 23 31 | 15 50 | 17 46 | 5 46 |
| W10 | 20 33 | 21 2 | 3 23 | 19 46 | 1 46 | 19 40 | 1 23 | 11 17 | 1 36 | 18 22 | 0 42 | 21 24 | 1 23 | 21 19 | 0 36 | 3 11 | 1 25 | 2 4 | 15 52 | 23 31 | 23 31 | 15 48 | 17 45 | 5 46 |
| T 11 | 20 21 | 17 13 | 4 18 | 19 13 | 1 41 | 19 20 | 1 24 | 11 28 | 1 36 | 18 18 | 0 42 | 21 25 | 1 23 | 21 19 | 0 36 | 3 10 | 1 25 | 2 4 | 15 52 | 23 31 | 23 31 | 15 46 | 17 45 | 5 46 |
| F 12 | 20 8 | 12 19 | 4 55 | 18 38 | 1 36 | 19 1 | 1 25 | 11 38 | 1 36 | 18 14 | 0 42 | 21 25 | 1 23 | 21 20 | 0 36 | 3 10 | 1 25 | 2 4 | 15 52 | 23 31 | 23 31 | 15 44 | 17 45 | 5 46 |
| S 13 | 19 54 | 6 46 | 5 11 | 18 2 | 1 29 | 18 41 | 1 25 | 11 48 | 1 36 | 18 10 | 0 42 | 21 26 | 1 23 | 21 20 | 0 36 | 3 9 | 1 25 | 2 3 | 15 51 | 23 31 | 23 31 | 15 42 | 17 44 | 5 47 |
| S 14 | 19 41 | 0 59 | 5 8 | 17 25 | 1 22 | 18 20 | 1 26 | 11 58 | 1 36 | 18 7 | 0 42 | 21 27 | 1 23 | 21 21 | 0 36 | 3 8 | 1 25 | 2 3 | 15 51 | 23 31 | 23 30 | 15 40 | 17 44 | 5 47 |
| M15 | 19 27 | 4n43 | 4 45 | 16 47 | 1 14 | 17 59 | 1 27 | 12 8 | 1 36 | 18 3 | 0 42 | 21 27 | 1 23 | 21 21 | 0 36 | 3 8 | 1 25 | 2 3 | 15 51 | 23 31 | 23 30 | 15 38 | 17 44 | 5 47 |
| T 16 | 19 12 | 10 2 | 4 8 | 16 8 | 1 6 | 17 37 | 1 27 | 12 18 | 1 36 | 17 59 | 0 42 | 21 28 | 1 23 | 21 22 | 0 36 | 3 7 | 1 25 | 2 2 | 15 50 | 23 31 | 23 30 | 15 36 | 17 43 | 5 48 |
| W17 | 18 57 | 14 44 | 3 17 | 15 28 | 0 56 | 17 15 | 1 28 | 12 28 | 1 36 | 17 55 | 0 43 | 21 28 | 1 23 | 21 22 | 0 36 | 3 6 | 1 25 | 2 2 | 15 50 | 23 31 | 23 30 | 15 33 | 17 43 | 5 48 |
| T 18 | 18 42 | 18 38 | 2 18 | 14 47 | 0 46 | 16 52 | 1 28 | 12 37 | 1 36 | 17 51 | 0 43 | 21 29 | 1 23 | 21 23 | 0 36 | 3 6 | 1 25 | 2 2 | 15 50 | 23 31 | 23 30 | 15 31 | 17 42 | 5 48 |
| F 19 | 18 27 | 21 34 | 1 13 | 14 6 | 0 35 | 16 29 | 1 28 | 12 47 | 1 36 | 17 47 | 0 43 | 21 29 | 1 23 | 21 23 | 0 36 | 3 5 | 1 25 | 2 1 | 15 49 | 23 31 | 23 30 | 15 29 | 17 42 | 5 49 |
| S 20 | 18 11 | 23 25 | 0 6 | 13 25 | 0 23 | 16 6 | 1 29 | 12 56 | 1 35 | 17 43 | 0 43 | 21 30 | 1 23 | 21 24 | 0 36 | 3 4 | 1 25 | 2 1 | 15 49 | 23 31 | 23 30 | 15 27 | 17 42 | 5 49 |
| S 21 | 17 55 | 24 6 | 1n 0 | 12 44 | 0 10 | 15 41 | 1 29 | 13 5 | 1 35 | 17 39 | 0 43 | 21 30 | 1 23 | 21 24 | 0 36 | 3 4 | 1 25 | 2 0 | 15 49 | 23 31 | 23 30 | 15 25 | 17 41 | 5 49 |
| M22 | 17 39 | 23 37 | 2 3 | 12 4 | 0n 3 | 15 17 | 1 29 | 13 15 | 1 35 | 17 35 | 0 43 | 21 30 | 1 23 | 21 25 | 0 36 | 3 3 | 1 25 | 2 0 | 15 48 | 23 31 | 23 30 | 15 23 | 17 41 | 5 50 |
| T 23 | 17 22 | 22 2 | 2 59 | 11 24 | 0 17 | 14 52 | 1 29 | 13 24 | 1 35 | 17 31 | 0 43 | 21 31 | 1 23 | 21 25 | 0 36 | 3 2 | 1 25 | 2 0 | 15 48 | 23 31 | 23 30 | 15 21 | 17 40 | 5 50 |
| W24 | 17 5 | 19 30 | 3 47 | 10 46 | 0 32 | 14 27 | 1 29 | 13 33 | 1 35 | 17 27 | 0 43 | 21 31 | 1 23 | 21 26 | 0 36 | 3 2 | 1 25 | 1 59 | 15 48 | 23 31 | 23 30 | 15 19 | 17 40 | 5 51 |
| T 25 | 16 48 | 16 9 | 4 25 | 10 9 | 0 47 | 14 1 | 1 29 | 13 42 | 1 35 | 17 23 | 0 43 | 21 32 | 1 23 | 21 26 | 0 36 | 3 1 | 1 25 | 1 59 | 15 47 | 23 31 | 23 30 | 15 17 | 17 39 | 5 51 |
| F 26 | 16 30 | 12 10 | 4 51 | 9 35 | 1 3 | 13 35 | 1 29 | 13 51 | 1 35 | 17 18 | 0 43 | 21 32 | 1 23 | 21 27 | 0 36 | 3 0 | 1 25 | 1 58 | 15 47 | 23 31 | 23 30 | 15 15 | 17 39 | 5 51 |
| S 27 | 16 12 | 7 44 | 5 5 | 9 3 | 1 19 | 13 9 | 1 29 | 13 59 | 1 35 | 17 14 | 0 43 | 21 33 | 1 23 | 21 27 | 0 36 | 2 59 | 1 24 | 1 58 | 15 46 | 23 31 | 23 30 | 15 13 | 17 38 | 5 52 |
| S 28 | 15 54 | 3 0 | 5 6 | 8 34 | 1 35 | 12 42 | 1 29 | 14 8 | 1 34 | 17 10 | 0 43 | 21 33 | 1 23 | 21 28 | 0 36 | 2 59 | 1 24 | 1 57 | 15 46 | 23 31 | 23 30 | 15 11 | 17 38 | 5 52 |
| M29 | 15 36 | 1s54 | 4 53 | 8 8 | 1 51 | 12 15 | 1 28 | 14 16 | 1 34 | 17 6 | 0 43 | 21 33 | 1 23 | 21 28 | 0 36 | 2 58 | 1 24 | 1 57 | 15 46 | 23 31 | 23 30 | 15 9 | 17 37 | 5 53 |
| T 30 | 15 17 | 6 47 | 4 27 | 7 47 | 2 7 | 11 47 | 1 28 | 14 25 | 1 34 | 17 2 | 0 44 | 21 34 | 1 23 | 21 29 | 0 36 | 2 57 | 1 24 | 1 56 | 15 45 | 23 31 | 23 30 | 15 7 | 17 37 | 5 53 |
| W31 | 14s58 | 11s29 | 3n48 | 7s29 | 2n23 | 11s20 | 1s28 | 14s33 | 1n34 | 16s58 | 0s44 | 21s34 | 1n24 | 21n29 | 0n36 | 2s56 | 1s24 | 1s56 | 15s45 | 23n31 | 23n30 | 15n 5 | 17s36 | 5n53 |

Julian Day Number = 2221085.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'19, Lahiri = 15°03'20 Julian Calendar 1 Jan. 1369 == Greg. Calendar 9 Jan. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## FEBRUARY 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 16 56 | 20♒40'33 | 23♏24 | 5°R 2 | 5♓32 | 14♏16 | 15♒40 | 17♐49 | 26°R34 | 25♓54 | 4♉ 5 | 28°D27 | 27♊11 | 2♍18 | 2♋45 | T 1 |
| F 2 | 9 20 52 | 21°41'02 | 6♐25 | 4♓50 | 6°47 | 14°43 | 15°54 | 17°53 | 26♋32 | 25°56 | 4° 5 | 28♊28 | 27° 8 | 2°25 | 2°49 | F 2 |
| S 3 | 9 24 49 | 22°41'31 | 19°51 | 4°28 | 8° 2 | 15° 9 | 16° 8 | 17°58 | 26°29 | 25°58 | 4° 6 | 28°29 | 27° 4 | 2°32 | 2°54 | S 3 |
| S 4 | 9 28 45 | 23°41'58 | 3♋45 | 3°57 | 9°17 | 15°35 | 16°23 | 18° 2 | 26°27 | 26° 0 | 4° 6 | 28°R29 | 27° 1 | 2°39 | 2°58 | S 4 |
| M 5 | 9 32 42 | 24°42'23 | 18° 8 | 3°17 | 10°32 | 16° 1 | 16°37 | 18° 6 | 26°25 | 26° 2 | 4° 7 | 28°27 | 26°58 | 2°45 | 3° 3 | M 5 |
| T 6 | 9 36 38 | 25°42'48 | 2♒56 | 2°30 | 11°46 | 16°27 | 16°51 | 18°10 | 26°23 | 26° 4 | 4° 8 | 28°23 | 26°55 | 2°52 | 3° 7 | T 6 |
| W 7 | 9 40 35 | 26°43'10 | 18° 5 | 1°37 | 13° 1 | 16°53 | 17° 6 | 18°14 | 26°21 | 26° 6 | 4° 8 | 28°16 | 26°52 | 2°59 | 3°12 | W 7 |
| T 8 | 9 44 32 | 27°43'31 | 3♓24 | 0°38 | 14°16 | 17°18 | 17°20 | 18°18 | 26°18 | 26° 8 | 4° 9 | 28° 8 | 26°48 | 3° 5 | 3°16 | T 8 |
| F 9 | 9 48 28 | 28°43'50 | 18°42 | 29♒36 | 15°30 | 17°43 | 17°34 | 18°21 | 26°16 | 26°10 | 4° 9 | 27°58 | 26°45 | 3°12 | 3°20 | F 9 |
| S 10 | 9 52 25 | 29°44'07 | 3♈48 | 28°33 | 16°45 | 18° 7 | 17°48 | 18°25 | 26°14 | 26°12 | 4°10 | 27°49 | 26°42 | 3°19 | 3°24 | S 10 |
| S 11 | 9 56 21 | 0♓44'21 | 18°32 | 27°29 | 18° 0 | 18°32 | 18° 3 | 18°29 | 26°12 | 26°14 | 4°11 | 27°41 | 26°39 | 3°26 | 3°28 | S 11 |
| M12 | 10 0 18 | 1°44'34 | 2♉50 | 26°26 | 19°14 | 18°56 | 18°17 | 18°32 | 26°10 | 26°16 | 4°11 | 27°35 | 26°36 | 3°32 | 3°32 | M12 |
| T 13 | 10 4 14 | 2°44'45 | 16°38 | 25°26 | 20°29 | 19°20 | 18°31 | 18°36 | 26° 8 | 26°18 | 4°12 | 27°32 | 26°33 | 3°39 | 3°36 | T 13 |
| W14 | 10 8 11 | 3°44'54 | 29°58 | 24°30 | 21°43 | 19°43 | 18°45 | 18°39 | 26° 6 | 26°20 | 4°13 | 27°D31 | 26°29 | 3°46 | 3°40 | W14 |
| T 15 | 10 12 7 | 4°45'01 | 12♊53 | 23°38 | 22°58 | 20° 6 | 18°59 | 18°42 | 26° 4 | 26°23 | 4°14 | 27°31 | 26°26 | 3°52 | 3°44 | T 15 |
| F 16 | 10 16 4 | 5°45'05 | 25°27 | 22°52 | 24°12 | 20°29 | 19°13 | 18°46 | 26° 3 | 26°25 | 4°14 | 27°R31 | 26°23 | 3°59 | 3°48 | F 16 |
| S 17 | 10 20 1 | 6°45'07 | 7♋44 | 22°12 | 25°27 | 20°52 | 19°27 | 18°49 | 26° 1 | 26°27 | 4°15 | 27°31 | 26°20 | 4° 6 | 3°52 | S 17 |
| S 18 | 10 23 57 | 7°45'07 | 19°49 | 21°39 | 26°41 | 21°14 | 19°41 | 18°52 | 25°59 | 26°29 | 4°16 | 27°29 | 26°17 | 4°13 | 3°55 | S 18 |
| M19 | 10 27 54 | 8°45'05 | 1♌47 | 21°12 | 27°55 | 21°36 | 19°55 | 18°55 | 25°57 | 26°31 | 4°17 | 27°24 | 26°14 | 4°19 | 3°59 | M19 |
| T 20 | 10 31 50 | 9°45'01 | 13°40 | 20°52 | 29°10 | 21°58 | 20° 9 | 18°57 | 25°56 | 26°33 | 4°18 | 27°16 | 26°10 | 4°26 | 4° 2 | T 20 |
| W21 | 10 35 47 | 10°44'55 | 25°32 | 20°39 | 0♈24 | 22°19 | 20°23 | 19° 0 | 25°54 | 26°36 | 4°19 | 27° 5 | 26° 7 | 4°33 | 4° 6 | W21 |
| T 22 | 10 39 43 | 11°44'47 | 7♍23 | 20°32 | 1°38 | 22°40 | 20°37 | 19° 3 | 25°52 | 26°38 | 4°19 | 26°53 | 26° 4 | 4°39 | 4° 9 | T 22 |
| F 23 | 10 43 40 | 12°44'36 | 19°17 | 20°D31 | 2°52 | 23° 1 | 20°51 | 19° 5 | 25°51 | 26°40 | 4°20 | 26°39 | 26° 1 | 4°46 | 4°12 | F 23 |
| S 24 | 10 47 36 | 13°44'24 | 1♎13 | 20°37 | 4° 7 | 23°21 | 21° 5 | 19° 8 | 25°49 | 26°42 | 4°21 | 26°24 | 25°58 | 4°53 | 4°16 | S 24 |
| S 25 | 10 51 33 | 14°44'10 | 13°14 | 20°48 | 5°21 | 23°41 | 21°19 | 19°10 | 25°48 | 26°44 | 4°22 | 26°12 | 25°54 | 5° 0 | 4°19 | S 25 |
| M26 | 10 55 30 | 15°43'54 | 25°20 | 21° 5 | 6°35 | 24° 1 | 21°33 | 19°13 | 25°46 | 26°47 | 4°23 | 26° 1 | 25°51 | 5° 6 | 4°22 | M26 |
| T 27 | 10 59 26 | 16°43'36 | 7♏35 | 21°27 | 7°49 | 24°20 | 21°46 | 19°15 | 25°45 | 26°49 | 4°24 | 25°52 | 25°48 | 5°13 | 4°25 | T 27 |
| W28 | 11 3 23 | 17♓43'16 | 20♏ 0 | 21♒54 | 9♈ 3 | 24♏39 | 22♒ 0 | 19♐17 | 25♋44 | 26♓51 | 4♉25 | 25♊47 | 25♊45 | 5♍20 | 4♋28 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 14s39 | 15s50 | 2n57 | 7s15 | 2n37 | 10s52 | 1s27 | 14s41 | 1n34 | 16s53 | 0s44 | 21s34 | 1n24 | 21n30 | 0n36 | 2s56 | 1s24 | 1s56 | 15s45 | 23n31 | 23n29 | 15n 2 | 17s36 | 5n54 | T 1 |
| F 2 | 14 20 | 19 33 | 1 56 | 7 7 | 2 52 | 10 23 | 1 27 | 14 49 | 1 33 | 16 49 | 0 44 | 21 35 | 1 24 | 21 30 | 0 36 | 2 55 | 1 24 | 1 55 | 15 44 | 23 31 | 23 29 | 15 0 | 17 35 | 5 54 | F 2 |
| S 3 | 14 0 | 22 22 | 0 46 | 7 2 | 3 4 | 9 55 | 1 26 | 14 57 | 1 33 | 16 45 | 0 44 | 21 35 | 1 24 | 21 31 | 0 36 | 2 54 | 1 24 | 1 55 | 15 44 | 23 31 | 23 29 | 14 58 | 17 35 | 5 55 | S 3 |
| S 4 | 13 40 | 23 56 | 0s28 | 7 3 | 3 16 | 9 26 | 1 25 | 15 5 | 1 33 | 16 41 | 0 44 | 21 35 | 1 24 | 21 31 | 0 36 | 2 53 | 1 24 | 1 54 | 15 44 | 23 31 | 23 29 | 14 56 | 17 34 | 5 55 | S 4 |
| M 5 | 13 20 | 24 0 | 1 43 | 7 8 | 3 26 | 8 57 | 1 25 | 15 13 | 1 33 | 16 37 | 0 44 | 21 36 | 1 24 | 21 31 | 0 36 | 2 52 | 1 24 | 1 54 | 15 43 | 23 31 | 23 29 | 14 54 | 17 34 | 5 56 | M 5 |
| T 6 | 13 0 | 22 23 | 2 53 | 7 17 | 3 34 | 8 28 | 1 24 | 15 20 | 1 32 | 16 32 | 0 44 | 21 36 | 1 24 | 21 32 | 0 35 | 2 51 | 1 24 | 1 53 | 15 43 | 23 31 | 23 29 | 14 52 | 17 33 | 5 56 | T 6 |
| W 7 | 12 39 | 19 9 | 3 53 | 7 31 | 3 40 | 7 58 | 1 23 | 15 28 | 1 32 | 16 28 | 0 44 | 21 36 | 1 24 | 21 32 | 0 35 | 2 51 | 1 24 | 1 53 | 15 43 | 23 31 | 23 29 | 14 50 | 17 33 | 5 56 | W 7 |
| T 8 | 12 18 | 14 35 | 4 36 | 7 48 | 3 44 | 7 28 | 1 22 | 15 35 | 1 32 | 16 24 | 0 44 | 21 37 | 1 24 | 21 33 | 0 35 | 2 50 | 1 24 | 1 52 | 15 43 | 23 30 | 23 29 | 14 48 | 17 32 | 5 57 | T 8 |
| F 9 | 11 57 | 9 5 | 5 0 | 8 8 | 3 45 | 6 58 | 1 21 | 15 43 | 1 31 | 16 20 | 0 44 | 21 37 | 1 24 | 21 33 | 0 35 | 2 49 | 1 24 | 1 52 | 15 42 | 23 30 | 23 29 | 14 46 | 17 31 | 5 57 | F 9 |
| S 10 | 11 36 | 3 6 | 5 2 | 8 30 | 3 45 | 6 28 | 1 20 | 15 50 | 1 31 | 16 15 | 0 45 | 21 37 | 1 24 | 21 33 | 0 35 | 2 48 | 1 24 | 1 51 | 15 42 | 23 30 | 23 29 | 14 43 | 17 31 | 5 58 | S 10 |
| S 11 | 11 15 | 2n55 | 4 44 | 8 55 | 3 42 | 5 58 | 1 19 | 15 57 | 1 31 | 16 11 | 0 45 | 21 37 | 1 24 | 21 34 | 0 35 | 2 47 | 1 24 | 1 51 | 15 42 | 23 30 | 23 29 | 14 41 | 17 30 | 5 58 | S 11 |
| M12 | 10 53 | 8 36 | 4 9 | 9 20 | 3 37 | 5 28 | 1 17 | 16 4 | 1 30 | 16 7 | 0 45 | 21 38 | 1 24 | 21 34 | 0 35 | 2 46 | 1 24 | 1 50 | 15 41 | 23 30 | 23 29 | 14 39 | 17 30 | 5 59 | M12 |
| T 13 | 10 32 | 13 41 | 3 20 | 9 47 | 3 31 | 4 57 | 1 16 | 16 11 | 1 30 | 16 2 | 0 45 | 21 38 | 1 24 | 21 34 | 0 35 | 2 46 | 1 24 | 1 50 | 15 41 | 23 30 | 23 29 | 14 37 | 17 29 | 5 59 | T 13 |
| W14 | 10 10 | 17 55 | 2 21 | 10 13 | 3 22 | 4 26 | 1 15 | 16 17 | 1 30 | 15 58 | 0 45 | 21 38 | 1 24 | 21 35 | 0 35 | 2 45 | 1 24 | 1 49 | 15 41 | 23 30 | 23 28 | 14 35 | 17 28 | 6 0 | W14 |
| T 15 | 9 48 | 21 9 | 1 17 | 10 40 | 3 12 | 3 55 | 1 13 | 16 24 | 1 29 | 15 54 | 0 45 | 21 38 | 1 24 | 21 35 | 0 35 | 2 44 | 1 24 | 1 49 | 15 40 | 23 30 | 23 28 | 14 33 | 17 28 | 6 0 | T 15 |
| F 16 | 9 26 | 23 15 | 0 11 | 11 5 | 3 1 | 3 25 | 1 12 | 16 30 | 1 29 | 15 49 | 0 45 | 21 38 | 1 25 | 21 35 | 0 35 | 2 43 | 1 24 | 1 48 | 15 40 | 23 30 | 23 28 | 14 30 | 17 27 | 6 1 | F 16 |
| S 17 | 9 4 | 24 12 | 0n54 | 11 29 | 2 49 | 2 54 | 1 10 | 16 37 | 1 28 | 15 45 | 0 45 | 21 39 | 1 25 | 21 36 | 0 35 | 2 42 | 1 24 | 1 47 | 15 40 | 23 30 | 23 28 | 14 28 | 17 27 | 6 1 | S 17 |
| S 18 | 8 41 | 23 57 | 1 56 | 11 52 | 2 36 | 2 22 | 1 9 | 16 43 | 1 28 | 15 41 | 0 45 | 21 39 | 1 25 | 21 36 | 0 35 | 2 41 | 1 24 | 1 47 | 15 39 | 23 30 | 23 28 | 14 26 | 17 26 | 6 2 | S 18 |
| M19 | 8 19 | 22 37 | 2 51 | 12 14 | 2 23 | 1 51 | 1 7 | 16 49 | 1 27 | 15 36 | 0 46 | 21 39 | 1 25 | 21 36 | 0 35 | 2 40 | 1 24 | 1 46 | 15 39 | 23 30 | 23 28 | 14 24 | 17 25 | 6 2 | M19 |
| T 20 | 7 56 | 20 16 | 3 39 | 12 33 | 2 9 | 1 20 | 1 5 | 16 55 | 1 27 | 15 32 | 0 46 | 21 39 | 1 25 | 21 37 | 0 35 | 2 40 | 1 24 | 1 46 | 15 39 | 23 30 | 23 28 | 14 22 | 17 25 | 6 3 | T 20 |
| W21 | 7 34 | 17 4 | 4 17 | 12 51 | 1 55 | 0 49 | 1 4 | 17 1 | 1 26 | 15 28 | 0 46 | 21 39 | 1 25 | 21 37 | 0 35 | 2 39 | 1 24 | 1 45 | 15 39 | 23 29 | 23 28 | 14 20 | 17 24 | 6 3 | W21 |
| T 22 | 7 11 | 13 12 | 4 43 | 13 6 | 1 41 | 0 18 | 1 2 | 17 7 | 1 26 | 15 23 | 0 46 | 21 39 | 1 25 | 21 37 | 0 35 | 2 38 | 1 24 | 1 45 | 15 38 | 23 29 | 23 28 | 14 17 | 17 24 | 6 4 | T 22 |
| F 23 | 6 48 | 8 49 | 4 58 | 13 20 | 1 26 | 0n14 | 1 0 | 17 13 | 1 25 | 15 19 | 0 46 | 21 40 | 1 25 | 21 38 | 0 35 | 2 37 | 1 24 | 1 44 | 15 38 | 23 29 | 23 28 | 14 15 | 17 23 | 6 5 | F 23 |
| S 24 | 6 25 | 4 5 | 4 59 | 13 32 | 1 12 | 0 45 | 0 58 | 17 19 | 1 25 | 15 15 | 0 46 | 21 40 | 1 25 | 21 38 | 0 35 | 2 36 | 1 24 | 1 44 | 15 38 | 23 28 | 23 28 | 14 13 | 17 22 | 6 5 | S 24 |
| S 25 | 6 2 | 0s50 | 4 47 | 13 41 | 0 58 | 1 16 | 0 56 | 17 24 | 1 24 | 15 10 | 0 46 | 21 40 | 1 25 | 21 38 | 0 35 | 2 35 | 1 24 | 1 43 | 15 38 | 23 28 | 23 27 | 14 11 | 17 22 | 6 6 | S 25 |
| M26 | 5 39 | 5 46 | 4 22 | 13 49 | 0 45 | 1 48 | 0 54 | 17 30 | 1 23 | 15 6 | 0 46 | 21 40 | 1 25 | 21 38 | 0 35 | 2 34 | 1 24 | 1 43 | 15 37 | 23 28 | 23 27 | 14 9 | 17 21 | 6 6 | M26 |
| T 27 | 5 15 | 10 32 | 3 45 | 13 54 | 0 32 | 2 19 | 0 52 | 17 35 | 1 23 | 15 2 | 0 46 | 21 40 | 1 25 | 21 39 | 0 35 | 2 33 | 1 24 | 1 42 | 15 37 | 23 27 | 23 27 | 14 6 | 17 20 | 6 7 | T 27 |
| W28 | 4s52 | 14s58 | 2n57 | 13s58 | 0n19 | 2n50 | 0s50 | 17s40 | 1n22 | 14s58 | 0s47 | 21s40 | 1n25 | 21n39 | 0n35 | 2s32 | 1s24 | 1s42 | 15s37 | 23n27 | 23n27 | 14n 4 | 17s20 | 6n 7 | W28 |

Julian Day Number = 2221116.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'23, Lahiri = 15°03'24 Julian Calendar 1 Feb. 1369 == Greg. Calendar 9 Feb. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## MARCH 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 7 19 | 18♓42'54 | 2♐39 | 22♒25 | 10♈17 | 24♏57 | 22♒14 | 19♐19 | 25°R42 | 26♓53 | 4♉26 | 25°R45 | 25♊42 | 5♍26 | 4♑31 | T 1 |
| F 2 | 11 11 16 | 19°42'31 | 15°36 | 23° 1 | 11°31 | 25°15 | 22°27 | 19°21 | 25♋41 | 26°56 | 4°27 | 25♊44 | 25°39 | 5°33 | 4°33 | F 2 |
| S 3 | 11 15 12 | 20°42'06 | 28°55 | 23°41 | 12°45 | 25°33 | 22°41 | 19°23 | 25°40 | 26°58 | 4°28 | 25°44 | 25°35 | 5°40 | 4°36 | S 3 |
| S 4 | 11 19 9 | 21°41'40 | 12♑38 | 24°25 | 13°59 | 25°50 | 22°54 | 19°24 | 25°39 | 27° 0 | 4°29 | 25°43 | 25°32 | 5°47 | 4°39 | S 4 |
| M 5 | 11 23 5 | 22°41'11 | 26°48 | 25°12 | 15°13 | 26° 7 | 23° 8 | 19°26 | 25°38 | 27° 3 | 4°30 | 25°41 | 25°29 | 5°53 | 4°41 | M 5 |
| T 6 | 11 27 2 | 23°40'41 | 11♒23 | 26° 3 | 16°27 | 26°23 | 23°21 | 19°27 | 25°37 | 27° 5 | 4°31 | 25°36 | 25°26 | 6° 0 | 4°44 | T 6 |
| W 7 | 11 30 59 | 24°40'09 | 26°21 | 26°57 | 17°40 | 26°38 | 23°34 | 19°29 | 25°36 | 27° 7 | 4°32 | 25°28 | 25°23 | 6° 7 | 4°46 | W 7 |
| T 8 | 11 34 55 | 25°39'35 | 11♓33 | 27°53 | 18°54 | 26°54 | 23°48 | 19°30 | 25°35 | 27° 9 | 4°33 | 25°18 | 25°20 | 6°13 | 4°48 | T 8 |
| F 9 | 11 38 52 | 26°38'59 | 26°49 | 28°53 | 20° 8 | 27° 8 | 24° 1 | 19°31 | 25°34 | 27°12 | 4°34 | 25° 7 | 25°16 | 6°20 | 4°51 | F 9 |
| S 10 | 11 42 48 | 27°38'20 | 11♈59 | 29°55 | 21°22 | 27°23 | 24°14 | 19°33 | 25°33 | 27°14 | 4°36 | 24°56 | 25°13 | 6°27 | 4°53 | S 10 |
| S 11 | 11 46 45 | 28°37'40 | 26°51 | 1♓ 0 | 22°35 | 27°36 | 24°27 | 19°34 | 25°32 | 27°16 | 4°37 | 24°46 | 25°10 | 6°34 | 4°55 | S 11 |
| M12 | 11 50 41 | 29°36'57 | 11♉18 | 2° 7 | 23°49 | 27°50 | 24°40 | 19°35 | 25°31 | 27°18 | 4°38 | 24°38 | 25° 7 | 6°40 | 4°57 | M12 |
| T 13 | 11 54 38 | 0♈36'13 | 25°15 | 3°17 | 25° 2 | 28° 2 | 24°53 | 19°35 | 25°31 | 27°21 | 4°39 | 24°33 | 25° 4 | 6°47 | 4°59 | T 13 |
| W14 | 11 58 34 | 1°35'26 | 8♊43 | 4°29 | 26°16 | 28°15 | 25° 6 | 19°36 | 25°30 | 27°23 | 4°40 | 24°31 | 25° 0 | 6°54 | 5° 1 | W14 |
| T 15 | 12 2 31 | 2°34'36 | 21°43 | 5°42 | 27°29 | 28°26 | 25°19 | 19°37 | 25°29 | 27°25 | 4°41 | 24°D30 | 24°57 | 7° 0 | 5° 2 | T 15 |
| F 16 | 12 6 28 | 3°33'44 | 4♋19 | 6°58 | 28°43 | 28°37 | 25°32 | 19°37 | 25°29 | 27°27 | 4°42 | 24°R30 | 24°54 | 7° 7 | 5° 4 | F 16 |
| S 17 | 12 10 24 | 4°32'50 | 16°37 | 8°16 | 29°56 | 28°48 | 25°45 | 19°38 | 25°28 | 27°30 | 4°44 | 24°29 | 24°51 | 7°14 | 5° 5 | S 17 |
| S 18 | 12 14 21 | 5°31'54 | 28°41 | 9°36 | 1♉ 9 | 28°58 | 25°57 | 19°38 | 25°28 | 27°32 | 4°45 | 24°27 | 24°48 | 7°21 | 5° 7 | S 18 |
| M19 | 12 18 17 | 6°30'55 | 10♌36 | 10°57 | 2°23 | 29° 7 | 26°10 | 19°38 | 25°28 | 27°34 | 4°46 | 24°23 | 24°45 | 7°27 | 5° 8 | M19 |
| T 20 | 12 22 14 | 7°29'54 | 22°27 | 12°21 | 3°36 | 29°16 | 26°23 | 19°38 | 25°27 | 27°37 | 4°47 | 24°16 | 24°41 | 7°34 | 5°10 | T 20 |
| W21 | 12 26 10 | 8°28'50 | 4♍18 | 13°46 | 4°49 | 29°24 | 26°35 | 19°R38 | 25°27 | 27°39 | 4°49 | 24° 6 | 24°38 | 7°41 | 5°11 | W21 |
| T 22 | 12 30 7 | 9°27'45 | 16°10 | 15°12 | 6° 2 | 29°31 | 26°48 | 19°38 | 25°27 | 27°41 | 4°50 | 23°54 | 24°35 | 7°47 | 5°12 | T 22 |
| F 23 | 12 34 3 | 10°26'37 | 28° 7 | 16°41 | 7°15 | 29°38 | 27° 0 | 19°38 | 25°27 | 27°43 | 4°51 | 23°41 | 24°32 | 7°54 | 5°13 | F 23 |
| S 24 | 12 38 0 | 11°25'27 | 10♎10 | 18°11 | 8°28 | 29°44 | 27°12 | 19°38 | 25°27 | 27°45 | 4°52 | 23°27 | 24°29 | 8° 1 | 5°14 | S 24 |
| S 25 | 12 41 56 | 12°24'15 | 22°20 | 19°43 | 9°41 | 29°50 | 27°24 | 19°38 | 25°D27 | 27°48 | 4°54 | 23°15 | 24°25 | 8° 8 | 5°15 | S 25 |
| M26 | 12 45 53 | 13°23'01 | 4♏38 | 21°16 | 10°54 | 29°55 | 27°36 | 19°37 | 25°27 | 27°50 | 4°55 | 23° 5 | 24°22 | 8°14 | 5°16 | M26 |
| T 27 | 12 49 50 | 14°21'45 | 17° 5 | 22°51 | 12° 7 | 29°59 | 27°49 | 19°37 | 25°27 | 27°52 | 4°56 | 22°57 | 24°19 | 8°21 | 5°17 | T 27 |
| W28 | 12 53 46 | 15°20'28 | 29°42 | 24°28 | 13°20 | 0♐ 3 | 28° 0 | 19°36 | 25°27 | 27°54 | 4°57 | 22°52 | 24°16 | 8°28 | 5°17 | W28 |
| T 29 | 12 57 43 | 16°19'08 | 12♐31 | 26° 6 | 14°33 | 0° 5 | 28°12 | 19°35 | 25°27 | 27°56 | 4°59 | 22°50 | 24°13 | 8°34 | 5°18 | T 29 |
| F 30 | 13 1 39 | 17°17'47 | 25°34 | 27°46 | 15°45 | 0° 8 | 28°24 | 19°34 | 25°27 | 27°59 | 5° 0 | 22°D49 | 24°10 | 8°41 | 5°18 | F 30 |
| S 31 | 13 5 36 | 18♈16'24 | 8♑54 | 29♓28 | 16♉58 | 0♐ 9 | 28♒36 | 19♐33 | 25♋27 | 28♓ 1 | 5♉ 1 | 22♊50 | 24♊ 6 | 8♍48 | 5♑19 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s29 | 18s49 | 1n59 | 13s59 | 0n 6 | 3n21 | 0s48 | 17s45 | 1n21 | 14s53 | 0s47 | 21s40 | 1n26 | 21n39 | 0n35 | 2s32 | 1s24 | 1s41 | 15s37 | 23n27 | 23n27 | 14n 2 | 17s19 | 6n 8 |
| F 2 | 4 5 | 21 51 | 0 53 | 13 59 | 0s 6 | 3 52 | 0 46 | 17 50 | 1 21 | 14 49 | 0 47 | 21 40 | 1 26 | 21 39 | 0 35 | 2 31 | 1 24 | 1 40 | 15 36 | 23 27 | 23 27 | 14 0 | 17 18 | 6 8 |
| S 3 | 3 42 | 23 48 | 0s17 | 13 57 | 0 18 | 4 23 | 0 43 | 17 55 | 1 20 | 14 45 | 0 47 | 21 40 | 1 26 | 21 39 | 0 35 | 2 30 | 1 24 | 1 40 | 15 36 | 23 27 | 23 27 | 13 58 | 17 18 | 6 9 |
| S 4 | 3 18 | 24 23 | 1 28 | 13 53 | 0 29 | 4 54 | 0 41 | 18 0 | 1 19 | 14 40 | 0 47 | 21 40 | 1 26 | 21 40 | 0 35 | 2 29 | 1 24 | 1 39 | 15 36 | 23 27 | 23 27 | 13 55 | 17 17 | 6 10 |
| M 5 | 2 55 | 23 25 | 2 36 | 13 47 | 0 40 | 5 25 | 0 39 | 18 5 | 1 18 | 14 36 | 0 47 | 21 40 | 1 26 | 21 40 | 0 35 | 2 28 | 1 24 | 1 39 | 15 36 | 23 27 | 23 27 | 13 53 | 17 16 | 6 10 |
| T 6 | 2 31 | 20 53 | 3 36 | 13 40 | 0 50 | 5 56 | 0 36 | 18 9 | 1 18 | 14 32 | 0 47 | 21 40 | 1 26 | 21 40 | 0 35 | 2 27 | 1 24 | 1 38 | 15 35 | 23 27 | 23 27 | 13 51 | 17 16 | 6 11 |
| W 7 | 2 8 | 16 53 | 4 23 | 13 30 | 1 0 | 6 26 | 0 34 | 18 14 | 1 17 | 14 27 | 0 48 | 21 40 | 1 26 | 21 40 | 0 35 | 2 26 | 1 24 | 1 38 | 15 35 | 23 27 | 23 26 | 13 49 | 17 15 | 6 11 |
| T 8 | 1 44 | 11 45 | 4 52 | 13 19 | 1 9 | 6 57 | 0 31 | 18 18 | 1 16 | 14 23 | 0 48 | 21 41 | 1 26 | 21 40 | 0 35 | 2 25 | 1 24 | 1 37 | 15 35 | 23 26 | 23 26 | 13 46 | 17 14 | 6 12 |
| F 9 | 1 20 | 5 51 | 5 0 | 13 7 | 1 18 | 7 27 | 0 29 | 18 22 | 1 15 | 14 19 | 0 48 | 21 41 | 1 26 | 21 41 | 0 35 | 2 24 | 1 24 | 1 37 | 15 35 | 23 26 | 23 26 | 13 44 | 17 14 | 6 13 |
| S 10 | 0 57 | 0n21 | 4 47 | 12 53 | 1 26 | 7 57 | 0 26 | 18 26 | 1 14 | 14 15 | 0 48 | 21 41 | 1 26 | 21 41 | 0 35 | 2 23 | 1 24 | 1 36 | 15 34 | 23 25 | 23 26 | 13 42 | 17 13 | 6 13 |
| S 11 | 0 33 | 6 25 | 4 15 | 12 37 | 1 34 | 8 27 | 0 24 | 18 31 | 1 13 | 14 10 | 0 48 | 21 41 | 1 26 | 21 41 | 0 35 | 2 22 | 1 24 | 1 35 | 15 34 | 23 25 | 23 26 | 13 40 | 17 12 | 6 14 |
| M12 | 0 9 | 11 59 | 3 27 | 12 19 | 1 41 | 8 57 | 0 21 | 18 34 | 1 12 | 14 6 | 0 48 | 21 41 | 1 26 | 21 41 | 0 35 | 2 22 | 1 24 | 1 35 | 15 34 | 23 25 | 23 26 | 13 37 | 17 12 | 6 14 |
| T 13 | 0n14 | 16 45 | 2 28 | 12 1 | 1 48 | 9 26 | 0 19 | 18 38 | 1 11 | 14 2 | 0 48 | 21 41 | 1 26 | 21 41 | 0 35 | 2 21 | 1 24 | 1 34 | 15 34 | 23 25 | 23 26 | 13 35 | 17 11 | 6 15 |
| W14 | 0 38 | 20 28 | 1 22 | 11 40 | 1 54 | 9 55 | 0 16 | 18 42 | 1 10 | 13 58 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 20 | 1 24 | 1 34 | 15 34 | 23 24 | 23 26 | 13 33 | 17 10 | 6 15 |
| T 15 | 1 2 | 23 1 | 0 15 | 11 18 | 2 0 | 10 24 | 0 13 | 18 46 | 1 9 | 13 53 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 19 | 1 24 | 1 33 | 15 33 | 23 24 | 23 25 | 13 30 | 17 10 | 6 16 |
| F 16 | 1 25 | 24 19 | 0n52 | 10 55 | 2 5 | 10 53 | 0 11 | 18 49 | 1 8 | 13 49 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 18 | 1 24 | 1 33 | 15 33 | 23 24 | 23 25 | 13 28 | 17 9 | 6 17 |
| S 17 | 1 49 | 24 22 | 1 54 | 10 30 | 2 10 | 11 22 | 0 8 | 18 53 | 1 6 | 13 45 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 17 | 1 24 | 1 32 | 15 33 | 23 24 | 23 25 | 13 26 | 17 8 | 6 17 |
| S 18 | 2 12 | 23 16 | 2 50 | 10 4 | 2 14 | 11 50 | 0 5 | 18 56 | 1 5 | 13 41 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 16 | 1 24 | 1 32 | 15 33 | 23 24 | 23 25 | 13 24 | 17 8 | 6 18 |
| M19 | 2 36 | 21 8 | 3 38 | 9 36 | 2 18 | 12 18 | 0 2 | 18 59 | 1 4 | 13 37 | 0 49 | 21 40 | 1 27 | 21 41 | 0 35 | 2 15 | 1 24 | 1 31 | 15 33 | 23 24 | 23 25 | 13 21 | 17 7 | 6 19 |
| T 20 | 2 59 | 18 6 | 4 16 | 9 7 | 2 21 | 12 46 | 0n 1 | 19 2 | 1 3 | 13 33 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 14 | 1 24 | 1 30 | 15 33 | 23 24 | 23 25 | 13 19 | 17 6 | 6 19 |
| W21 | 3 22 | 14 21 | 4 43 | 8 37 | 2 24 | 13 13 | 0 3 | 19 5 | 1 1 | 13 28 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 14 | 1 24 | 1 30 | 15 32 | 23 23 | 23 25 | 13 17 | 17 6 | 6 20 |
| T 22 | 3 46 | 10 3 | 4 58 | 8 6 | 2 26 | 13 41 | 0 6 | 19 8 | 1 0 | 13 24 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 13 | 1 24 | 1 29 | 15 32 | 23 23 | 23 25 | 13 14 | 17 5 | 6 20 |
| F 23 | 4 9 | 5 20 | 5 0 | 7 33 | 2 28 | 14 7 | 0 9 | 19 11 | 0 59 | 13 20 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 12 | 1 24 | 1 29 | 15 32 | 23 22 | 23 24 | 13 12 | 17 4 | 6 21 |
| S 24 | 4 32 | 0 22 | 4 48 | 6 58 | 2 29 | 14 34 | 0 12 | 19 14 | 0 57 | 13 16 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 11 | 1 24 | 1 28 | 15 32 | 23 22 | 23 24 | 13 10 | 17 4 | 6 22 |
| S 25 | 4 55 | 4s39 | 4 23 | 6 23 | 2 30 | 15 0 | 0 15 | 19 17 | 0 56 | 13 12 | 0 50 | 21 40 | 1 27 | 21 41 | 0 35 | 2 10 | 1 24 | 1 28 | 15 32 | 23 21 | 23 24 | 13 8 | 17 3 | 6 22 |
| M26 | 5 18 | 9 34 | 3 46 | 5 46 | 2 30 | 15 26 | 0 18 | 19 19 | 0 54 | 13 8 | 0 51 | 21 40 | 1 27 | 21 41 | 0 35 | 2 9 | 1 24 | 1 27 | 15 32 | 23 20 | 23 24 | 13 5 | 17 2 | 6 23 |
| T 27 | 5 41 | 14 9 | 2 58 | 5 8 | 2 30 | 15 51 | 0 21 | 19 22 | 0 52 | 13 4 | 0 51 | 21 40 | 1 27 | 21 41 | 0 35 | 2 8 | 1 24 | 1 27 | 15 31 | 23 20 | 23 24 | 13 3 | 17 2 | 6 23 |
| W28 | 6 4 | 18 13 | 2 0 | 4 29 | 2 29 | 16 16 | 0 23 | 19 24 | 0 51 | 13 0 | 0 51 | 21 39 | 1 28 | 21 41 | 0 35 | 2 7 | 1 24 | 1 26 | 15 31 | 23 20 | 23 24 | 13 1 | 17 1 | 6 24 |
| T 29 | 6 26 | 21 28 | 0 55 | 3 49 | 2 28 | 16 41 | 0 26 | 19 26 | 0 49 | 12 56 | 0 51 | 21 39 | 1 28 | 21 41 | 0 35 | 2 7 | 1 24 | 1 26 | 15 31 | 23 20 | 23 24 | 12 58 | 17 1 | 6 25 |
| F 30 | 6 49 | 23 41 | 0s15 | 3 7 | 2 26 | 17 5 | 0 29 | 19 28 | 0 47 | 12 52 | 0 51 | 21 39 | 1 28 | 21 41 | 0 35 | 2 6 | 1 24 | 1 25 | 15 31 | 23 20 | 23 24 | 12 56 | 17 0 | 6 25 |
| S 31 | 7n11 | 24s38 | 1s25 | 2s25 | 2s24 | 17n28 | 0n32 | 19s30 | 0n46 | 12s48 | 0s51 | 21s39 | 1n28 | 21n41 | 0n34 | 2s 5 | 1s24 | 1s25 | 15s31 | 23n20 | 23n23 | 12n54 | 16s59 | 6n26 |

Julian Day Number = 2221144.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'27, Lahiri = 15°03'28 Julian Calendar 1 March 1369 == Greg. Calendar 9 March 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## APRIL 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 9 32 | 19♈15'00 | 22♉33 | 1♈11 | 18♉10 | 0°R10 | 28♒47 | 19°R32 | 25♋28 | 28♓ 3 | 5♉ 3 | 22°R50 | 24♊ 3 | 8♍55 | 5♉19 | S 1 |
| M 2 | 13 13 29 | 20°13'34 | 6♒33 | 2°55 | 19°23 | 0♐10 | 28°59 | 19♐31 | 25°28 | 28° 5 | 5° 4 | 22♊49 | 24° 0 | 9° 1 | 5°19 | M 2 |
| T 3 | 13 17 25 | 21°12'06 | 20°53 | 4°42 | 20°36 | 0° 9 | 29°10 | 19°30 | 25°29 | 28° 7 | 5° 5 | 22°46 | 23°57 | 9° 8 | 5°20 | T 3 |
| W 4 | 13 21 22 | 22°10'37 | 5♓32 | 6°30 | 21°48 | 0° 7 | 29°22 | 19°29 | 25°29 | 28° 9 | 5° 7 | 22°40 | 23°54 | 9°15 | 5°R20 | W 4 |
| T 5 | 13 25 19 | 23° 9'06 | 20°24 | 8°20 | 23° 0 | 0° 5 | 29°33 | 19°27 | 25°30 | 28°11 | 5° 8 | 22°33 | 23°51 | 9°21 | 5°20 | T 5 |
| F 6 | 13 29 15 | 24° 7'33 | 5♈22 | 10°11 | 24°13 | 0° 2 | 29°44 | 19°26 | 25°30 | 28°14 | 5° 9 | 22°24 | 23°47 | 9°28 | 5°19 | F 6 |
| S 7 | 13 33 12 | 25° 5'58 | 20°16 | 12° 4 | 25°25 | 29♏58 | 29°55 | 19°24 | 25°31 | 28°16 | 5°11 | 22°15 | 23°44 | 9°35 | 5°19 | S 7 |
| S 8 | 13 37 8 | 26° 4'21 | 4♉58 | 13°59 | 26°37 | 29°53 | 0♓ 6 | 19°23 | 25°32 | 28°18 | 5°12 | 22° 7 | 23°41 | 9°42 | 5°19 | S 8 |
| M 9 | 13 41 5 | 27° 2'43 | 19°21 | 15°55 | 27°50 | 29°48 | 0°17 | 19°21 | 25°32 | 28°20 | 5°13 | 22° 1 | 23°38 | 9°48 | 5°19 | M 9 |
| T 10 | 13 45 1 | 28° 1'03 | 3♊19 | 17°53 | 29° 2 | 29°42 | 0°28 | 19°19 | 25°33 | 28°22 | 5°15 | 21°57 | 23°35 | 9°55 | 5°18 | T 10 |
| W11 | 13 48 58 | 28°59'20 | 16°49 | 19°52 | 0♊14 | 29°35 | 0°39 | 19°17 | 25°34 | 28°24 | 5°16 | 21°D55 | 23°31 | 10° 2 | 5°18 | W11 |
| T 12 | 13 52 54 | 29°57'36 | 29°54 | 21°53 | 1°26 | 29°27 | 0°49 | 19°15 | 25°35 | 28°26 | 5°17 | 21°56 | 23°28 | 10° 9 | 5°17 | T 12 |
| F 13 | 13 56 51 | 0♉55'50 | 12♋35 | 23°56 | 2°38 | 29°19 | 1° 0 | 19°13 | 25°36 | 28°28 | 5°19 | 21°57 | 23°25 | 10°15 | 5°16 | F 13 |
| S 14 | 14 0 48 | 1°54'01 | 24°56 | 26° 0 | 3°50 | 29° 9 | 1°10 | 19°11 | 25°37 | 28°30 | 5°20 | 21°58 | 23°22 | 10°22 | 5°16 | S 14 |
| S 15 | 14 4 44 | 2°52'11 | 7♌ 3 | 28° 5 | 5° 1 | 28°59 | 1°20 | 19° 8 | 25°38 | 28°32 | 5°21 | 21°R58 | 23°19 | 10°29 | 5°15 | S 15 |
| M16 | 14 8 41 | 3°50'19 | 19° 0 | 0♉12 | 6°13 | 28°49 | 1°30 | 19° 6 | 25°39 | 28°34 | 5°23 | 21°56 | 23°16 | 10°35 | 5°14 | M16 |
| T 17 | 14 12 37 | 4°48'24 | 0♍52 | 2°20 | 7°25 | 28°37 | 1°40 | 19° 4 | 25°40 | 28°36 | 5°24 | 21°53 | 23°12 | 10°42 | 5°13 | T 17 |
| W18 | 14 16 34 | 5°46'28 | 12°44 | 4°29 | 8°36 | 28°25 | 1°50 | 19° 1 | 25°41 | 28°38 | 5°26 | 21°48 | 23° 9 | 10°49 | 5°12 | W18 |
| T 19 | 14 20 30 | 6°44'29 | 24°39 | 6°38 | 9°48 | 28°12 | 2° 0 | 18°58 | 25°43 | 28°39 | 5°27 | 21°41 | 23° 6 | 10°56 | 5°11 | T 19 |
| F 20 | 14 24 27 | 7°42'29 | 6♎41 | 8°48 | 10°59 | 27°59 | 2°10 | 18°56 | 25°44 | 28°41 | 5°28 | 21°33 | 23° 3 | 11° 2 | 5° 9 | F 20 |
| S 21 | 14 28 23 | 8°40'27 | 18°51 | 10°58 | 12°11 | 27°45 | 2°19 | 18°53 | 25°45 | 28°43 | 5°30 | 21°25 | 23° 0 | 11° 9 | 5° 8 | S 21 |
| S 22 | 14 32 20 | 9°38'23 | 1♏12 | 13° 9 | 13°22 | 27°30 | 2°29 | 18°50 | 25°47 | 28°45 | 5°31 | 21°18 | 22°57 | 11°16 | 5° 7 | S 22 |
| M23 | 14 36 17 | 10°36'18 | 13°44 | 15°19 | 14°33 | 27°15 | 2°38 | 18°47 | 25°48 | 28°47 | 5°32 | 21°12 | 22°53 | 11°22 | 5° 5 | M23 |
| T 24 | 14 40 13 | 11°34'11 | 26°28 | 17°29 | 15°45 | 26°59 | 2°47 | 18°44 | 25°50 | 28°49 | 5°34 | 21° 7 | 22°50 | 11°29 | 5° 4 | T 24 |
| W25 | 14 44 10 | 12°32'03 | 9♐24 | 19°37 | 16°56 | 26°42 | 2°57 | 18°41 | 25°51 | 28°50 | 5°35 | 21° 5 | 22°47 | 11°36 | 5° 2 | W25 |
| T 26 | 14 48 6 | 13°29'54 | 22°32 | 21°45 | 18° 7 | 26°25 | 3° 6 | 18°38 | 25°53 | 28°52 | 5°36 | 21°D 4 | 22°44 | 11°43 | 5° 0 | T 26 |
| F 27 | 14 52 3 | 14°27'43 | 5♑52 | 23°52 | 19°18 | 26° 8 | 3°14 | 18°35 | 25°55 | 28°54 | 5°38 | 21° 5 | 22°41 | 11°49 | 4°59 | F 27 |
| S 28 | 14 55 59 | 15°25'31 | 19°25 | 25°57 | 20°29 | 25°50 | 3°23 | 18°32 | 25°56 | 28°56 | 5°39 | 21° 7 | 22°37 | 11°56 | 4°57 | S 28 |
| S 29 | 14 59 56 | 16°23'17 | 3♒12 | 28° 0 | 21°39 | 25°31 | 3°32 | 18°28 | 25°58 | 28°57 | 5°40 | 21° 8 | 22°34 | 12° 3 | 4°55 | S 29 |
| M30 | 15 3 52 | 17♉21'03 | 17♒11 | 0♊ 0 | 22♊50 | 25♏12 | 3♓40 | 18♐25 | 26♋ 0 | 28♓59 | 5♉42 | 21°R 8 | 22♊31 | 12♍10 | 4♑53 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n34 | 24s 7 | 2s31 | 1s41 | 2s21 | 17n52 | 0n35 | 19s32 | 0n44 | 12s44 | 0s52 | 21s39 | 1n28 | 21n41 | 0n34 | 2s 4 | 1s24 | 1s24 | 15s31 | 23n20 | 23n23 | 12n51 | 16s59 | 6n26 |
| M 2 | 7 56 | 22 6 | 3 31 | 0 56 | 2 17 | 18 15 | 0 38 | 19 34 | 0 42 | 12 41 | 0 52 | 21 39 | 1 28 | 21 41 | 0 34 | 2 3 | 1 24 | 1 24 | 15 31 | 23 20 | 23 23 | 12 49 | 16 58 | 6 27 |
| T 3 | 8 18 | 18 40 | 4 19 | 0 10 | 2 13 | 18 37 | 0 41 | 19 36 | 0 40 | 12 37 | 0 52 | 21 39 | 1 28 | 21 41 | 0 34 | 2 2 | 1 24 | 1 23 | 15 31 | 23 19 | 23 23 | 12 47 | 16 57 | 6 28 |
| W 4 | 8 40 | 14 1 | 4 51 | 0n37 | 2 9 | 18 59 | 0 44 | 19 38 | 0 38 | 12 33 | 0 52 | 21 38 | 1 28 | 21 41 | 0 34 | 2 2 | 1 24 | 1 22 | 15 31 | 23 19 | 23 23 | 12 44 | 16 57 | 6 28 |
| T 5 | 9 2 | 8 28 | 5 4 | 1 25 | 2 4 | 19 20 | 0 46 | 19 39 | 0 36 | 12 29 | 0 52 | 21 38 | 1 28 | 21 41 | 0 34 | 2 1 | 1 25 | 1 22 | 15 30 | 23 19 | 23 23 | 12 42 | 16 56 | 6 29 |
| F 6 | 9 23 | 2 24 | 4 57 | 2 14 | 1 59 | 19 41 | 0 49 | 19 40 | 0 34 | 12 25 | 0 53 | 21 38 | 1 28 | 21 41 | 0 34 | 2 0 | 1 25 | 1 21 | 15 30 | 23 18 | 23 23 | 12 39 | 16 56 | 6 30 |
| S 7 | 9 45 | 3n48 | 4 29 | 3 3 | 1 53 | 20 2 | 0 52 | 19 42 | 0 32 | 12 22 | 0 53 | 21 38 | 1 28 | 21 40 | 0 34 | 1 59 | 1 25 | 1 21 | 15 30 | 23 18 | 23 22 | 12 37 | 16 55 | 6 30 |
| S 8 | 10 6 | 9 42 | 3 44 | 3 54 | 1 46 | 20 22 | 0 55 | 19 43 | 0 30 | 12 18 | 0 53 | 21 38 | 1 28 | 21 40 | 0 34 | 1 58 | 1 25 | 1 20 | 15 30 | 23 17 | 23 22 | 12 35 | 16 54 | 6 31 |
| M 9 | 10 27 | 14 58 | 2 45 | 4 45 | 1 39 | 20 41 | 0 58 | 19 44 | 0 27 | 12 14 | 0 53 | 21 38 | 1 28 | 21 40 | 0 34 | 1 58 | 1 25 | 1 20 | 15 30 | 23 17 | 23 22 | 12 32 | 16 54 | 6 31 |
| T 10 | 10 48 | 19 17 | 1 38 | 5 37 | 1 32 | 21 0 | 1 1 | 19 45 | 0 25 | 12 11 | 0 53 | 21 37 | 1 28 | 21 40 | 0 34 | 1 57 | 1 25 | 1 20 | 15 30 | 23 17 | 23 22 | 12 30 | 16 53 | 6 32 |
| W11 | 11 9 | 22 25 | 0 27 | 6 30 | 1 24 | 21 18 | 1 3 | 19 46 | 0 23 | 12 7 | 0 54 | 21 37 | 1 28 | 21 40 | 0 34 | 1 56 | 1 25 | 1 19 | 15 30 | 23 16 | 23 22 | 12 28 | 16 53 | 6 33 |
| T 12 | 11 30 | 24 14 | 0n43 | 7 23 | 1 16 | 21 36 | 1 6 | 19 46 | 0 20 | 12 3 | 0 54 | 21 37 | 1 28 | 21 40 | 0 34 | 1 55 | 1 25 | 1 19 | 15 30 | 23 16 | 23 22 | 12 25 | 16 52 | 6 33 |
| F 13 | 11 50 | 24 44 | 1 49 | 8 17 | 1 7 | 21 53 | 1 9 | 19 47 | 0 18 | 12 0 | 0 54 | 21 37 | 1 28 | 21 39 | 0 34 | 1 54 | 1 25 | 1 18 | 15 30 | 23 17 | 23 21 | 12 23 | 16 52 | 6 34 |
| S 14 | 12 11 | 23 58 | 2 48 | 9 11 | 0 58 | 22 9 | 1 11 | 19 47 | 0 15 | 11 56 | 0 54 | 21 36 | 1 29 | 21 39 | 0 34 | 1 54 | 1 25 | 1 18 | 15 30 | 23 17 | 23 21 | 12 20 | 16 51 | 6 34 |
| S 15 | 12 31 | 22 6 | 3 38 | 10 5 | 0 49 | 22 25 | 1 14 | 19 48 | 0 13 | 11 53 | 0 54 | 21 36 | 1 29 | 21 39 | 0 34 | 1 53 | 1 25 | 1 17 | 15 30 | 23 17 | 23 21 | 12 18 | 16 50 | 6 35 |
| M16 | 12 50 | 19 16 | 4 19 | 10 59 | 0 39 | 22 41 | 1 17 | 19 48 | 0 10 | 11 50 | 0 55 | 21 36 | 1 29 | 21 39 | 0 34 | 1 52 | 1 25 | 1 17 | 15 30 | 23 17 | 23 21 | 12 16 | 16 50 | 6 35 |
| T 17 | 13 10 | 15 41 | 4 47 | 11 53 | 0 29 | 22 55 | 1 19 | 19 48 | 0 8 | 11 46 | 0 55 | 21 36 | 1 29 | 21 38 | 0 34 | 1 51 | 1 25 | 1 16 | 15 30 | 23 16 | 23 21 | 12 13 | 16 49 | 6 36 |
| W18 | 13 30 | 11 29 | 5 4 | 12 46 | 0 18 | 23 10 | 1 22 | 19 48 | 0 5 | 11 43 | 0 55 | 21 36 | 1 29 | 21 38 | 0 34 | 1 51 | 1 25 | 1 16 | 15 30 | 23 16 | 23 21 | 12 11 | 16 49 | 6 37 |
| T 19 | 13 49 | 6 50 | 5 7 | 13 39 | 0 8 | 23 23 | 1 24 | 19 48 | 0 2 | 11 39 | 0 55 | 21 35 | 1 29 | 21 38 | 0 34 | 1 50 | 1 25 | 1 15 | 15 30 | 23 16 | 23 20 | 12 8 | 16 48 | 6 37 |
| F 20 | 14 8 | 1 53 | 4 57 | 14 31 | 0n 3 | 23 36 | 1 27 | 19 47 | 0s 1 | 11 36 | 0 56 | 21 35 | 1 29 | 21 38 | 0 34 | 1 49 | 1 25 | 1 15 | 15 30 | 23 15 | 23 20 | 12 6 | 16 48 | 6 38 |
| S 21 | 14 26 | 3s11 | 4 34 | 15 23 | 0 13 | 23 48 | 1 29 | 19 47 | 0 3 | 11 33 | 0 56 | 21 35 | 1 29 | 21 37 | 0 34 | 1 49 | 1 25 | 1 14 | 15 30 | 23 15 | 23 20 | 12 4 | 16 47 | 6 38 |
| S 22 | 14 45 | 8 14 | 3 57 | 16 13 | 0 24 | 24 0 | 1 32 | 19 46 | 0 6 | 11 30 | 0 56 | 21 34 | 1 29 | 21 37 | 0 34 | 1 48 | 1 25 | 1 14 | 15 30 | 23 14 | 23 20 | 12 1 | 16 47 | 6 39 |
| M23 | 15 3 | 13 1 | 3 8 | 17 2 | 0 34 | 24 11 | 1 34 | 19 46 | 0 9 | 11 27 | 0 56 | 21 34 | 1 29 | 21 37 | 0 34 | 1 47 | 1 25 | 1 14 | 15 30 | 23 14 | 23 20 | 11 59 | 16 46 | 6 39 |
| T 24 | 15 21 | 17 20 | 2 9 | 17 49 | 0 45 | 24 21 | 1 36 | 19 45 | 0 12 | 11 23 | 0 56 | 21 34 | 1 29 | 21 36 | 0 34 | 1 47 | 1 25 | 1 13 | 15 30 | 23 13 | 23 20 | 11 56 | 16 46 | 6 40 |
| W25 | 15 39 | 20 54 | 1 3 | 18 35 | 0 55 | 24 30 | 1 38 | 19 44 | 0 15 | 11 20 | 0 57 | 21 34 | 1 29 | 21 36 | 0 34 | 1 46 | 1 25 | 1 13 | 15 30 | 23 13 | 23 19 | 11 54 | 16 45 | 6 41 |
| T 26 | 15 57 | 23 27 | 0s 8 | 19 18 | 1 4 | 24 39 | 1 40 | 19 43 | 0 18 | 11 17 | 0 57 | 21 33 | 1 29 | 21 36 | 0 34 | 1 45 | 1 25 | 1 12 | 15 30 | 23 13 | 23 19 | 11 51 | 16 45 | 6 41 |
| F 27 | 16 14 | 24 43 | 1 20 | 19 59 | 1 14 | 24 48 | 1 43 | 19 42 | 0 21 | 11 14 | 0 57 | 21 33 | 1 29 | 21 35 | 0 34 | 1 45 | 1 25 | 1 12 | 15 30 | 23 13 | 23 19 | 11 49 | 16 44 | 6 42 |
| S 28 | 16 31 | 24 33 | 2 28 | 20 39 | 1 22 | 24 55 | 1 45 | 19 40 | 0 24 | 11 11 | 0 57 | 21 33 | 1 29 | 21 35 | 0 34 | 1 44 | 1 25 | 1 12 | 15 30 | 23 13 | 23 19 | 11 47 | 16 44 | 6 42 |
| S 29 | 16 48 | 22 54 | 3 29 | 21 15 | 1 31 | 25 2 | 1 47 | 19 39 | 0 27 | 11 9 | 0 58 | 21 32 | 1 29 | 21 35 | 0 34 | 1 43 | 1 25 | 1 11 | 15 30 | 23 13 | 23 19 | 11 44 | 16 43 | 6 43 |
| M30 | 17n 4 | 19s51 | 4s19 | 21n50 | 1n39 | 25n 8 | 1n49 | 19s37 | 0s31 | 11s 6 | 0s58 | 21s32 | 1n29 | 21n34 | 0n34 | 1s43 | 1s25 | 1s11 | 15s30 | 23n13 | 23n19 | 11n42 | 16s43 | 6n43 |

Julian Day Number = 2221175.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'32, Lahiri = 15°03'32 Julian Calendar 1 Apr. 1369 == Greg. Calendar 9 Apr. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## MAY 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 7 49 | 18♉18'47 | 1♓23 | 1♊59 | 24♊ 1 | 24°R53 | 3♓48 | 18°R21 | 26♋ 2 | 29♓ 1 | 5♉43 | 21°R 8 | 22♊28 | 12♍16 | 4°R51 | T 1 |
| W 2 | 15 11 46 | 19°16'30 | 15°45 | 3°55 | 25°11 | 24♏33 | 3°57 | 18♐18 | 26° 4 | 29° 2 | 5°44 | 21♊ 6 | 22°25 | 12°23 | 4♑49 | W 2 |
| T 3 | 15 15 42 | 20°14'12 | 0♈14 | 5°49 | 26°22 | 24°13 | 4° 5 | 18°14 | 26° 6 | 29° 4 | 5°46 | 21° 2 | 22°22 | 12°30 | 4°47 | T 3 |
| F 4 | 15 19 39 | 21°11'53 | 14°46 | 7°40 | 27°32 | 23°53 | 4°13 | 18°11 | 26° 8 | 29° 5 | 5°47 | 20°58 | 22°18 | 12°36 | 4°44 | F 4 |
| S 5 | 15 23 35 | 22° 9'33 | 29°15 | 9°28 | 28°43 | 23°32 | 4°20 | 18° 7 | 26°10 | 29° 7 | 5°48 | 20°54 | 22°15 | 12°43 | 4°42 | S 5 |
| S 6 | 15 27 32 | 23° 7'12 | 13♉34 | 11°13 | 29°53 | 23°11 | 4°28 | 18° 3 | 26°12 | 29° 8 | 5°50 | 20°50 | 22°12 | 12°50 | 4°40 | S 6 |
| M 7 | 15 31 28 | 24° 4'50 | 27°38 | 12°55 | 1♋ 3 | 22°51 | 4°35 | 17°59 | 26°14 | 29°10 | 5°51 | 20°48 | 22° 9 | 12°57 | 4°37 | M 7 |
| T 8 | 15 35 25 | 25° 2'26 | 11♊23 | 14°35 | 2°13 | 22°30 | 4°43 | 17°56 | 26°16 | 29°11 | 5°52 | 20°46 | 22° 6 | 13° 3 | 4°35 | T 8 |
| W 9 | 15 39 21 | 26° 0'02 | 24°47 | 16°11 | 3°23 | 22° 9 | 4°50 | 17°52 | 26°18 | 29°13 | 5°54 | 20°D46 | 22° 2 | 13°10 | 4°32 | W 9 |
| T 10 | 15 43 18 | 26°57'35 | 7♋49 | 17°44 | 4°33 | 21°48 | 4°57 | 17°48 | 26°20 | 29°14 | 5°55 | 20°47 | 21°59 | 13°17 | 4°30 | T 10 |
| F 11 | 15 47 15 | 27°55'08 | 20°30 | 19°14 | 5°43 | 21°27 | 5° 4 | 17°44 | 26°23 | 29°16 | 5°56 | 20°48 | 21°56 | 13°23 | 4°27 | F 11 |
| S 12 | 15 51 11 | 28°52'39 | 2♌53 | 20°41 | 6°53 | 21° 6 | 5°11 | 17°40 | 26°25 | 29°17 | 5°57 | 20°50 | 21°53 | 13°30 | 4°24 | S 12 |
| S 13 | 15 55 8 | 29°50'09 | 15° 2 | 22° 5 | 8° 3 | 20°46 | 5°17 | 17°36 | 26°27 | 29°18 | 5°59 | 20°51 | 21°50 | 13°37 | 4°21 | S 13 |
| M14 | 15 59 4 | 0♊47'38 | 27° 2 | 23°25 | 9°12 | 20°25 | 5°24 | 17°32 | 26°30 | 29°20 | 6° 0 | 20°R52 | 21°47 | 13°44 | 4°19 | M14 |
| T 15 | 16 3 1 | 1°45'05 | 8♍56 | 24°43 | 10°21 | 20° 5 | 5°30 | 17°27 | 26°32 | 29°21 | 6° 1 | 20°52 | 21°43 | 13°50 | 4°16 | T 15 |
| W16 | 16 6 57 | 2°42'31 | 20°49 | 25°56 | 11°31 | 19°45 | 5°36 | 17°23 | 26°35 | 29°22 | 6° 2 | 20°51 | 21°40 | 13°57 | 4°13 | W16 |
| T 17 | 16 10 54 | 3°39'55 | 2♎46 | 27° 7 | 12°40 | 19°26 | 5°42 | 17°19 | 26°37 | 29°23 | 6° 4 | 20°49 | 21°37 | 14° 4 | 4°10 | T 17 |
| F 18 | 16 14 50 | 4°37'19 | 14°51 | 28°14 | 13°49 | 19° 7 | 5°48 | 17°15 | 26°40 | 29°25 | 6° 5 | 20°47 | 21°34 | 14°11 | 4° 7 | F 18 |
| S 19 | 16 18 47 | 5°34'41 | 27° 8 | 29°18 | 14°58 | 18°48 | 5°53 | 17°11 | 26°42 | 29°26 | 6° 6 | 20°45 | 21°31 | 14°17 | 4° 3 | S 19 |
| S 20 | 16 22 44 | 6°32'02 | 9♏38 | 0♋18 | 16° 7 | 18°30 | 5°59 | 17° 6 | 26°45 | 29°27 | 6° 7 | 20°42 | 21°28 | 14°24 | 4° 0 | S 20 |
| M21 | 16 26 40 | 7°29'23 | 22°23 | 1°14 | 17°16 | 18°12 | 6° 4 | 17° 2 | 26°48 | 29°28 | 6° 9 | 20°41 | 21°24 | 14°31 | 3°57 | M21 |
| T 22 | 16 30 37 | 8°26'42 | 5♐25 | 2° 7 | 18°24 | 17°55 | 6° 9 | 16°58 | 26°50 | 29°29 | 6°10 | 20°40 | 21°21 | 14°37 | 3°54 | T 22 |
| W23 | 16 34 33 | 9°24'01 | 18°42 | 2°55 | 19°33 | 17°38 | 6°14 | 16°53 | 26°53 | 29°30 | 6°11 | 20°D39 | 21°18 | 14°44 | 3°51 | W23 |
| T 24 | 16 38 30 | 10°21'19 | 2♑14 | 3°40 | 20°41 | 17°22 | 6°19 | 16°49 | 26°56 | 29°31 | 6°12 | 20°40 | 21°15 | 14°51 | 3°47 | T 24 |
| F 25 | 16 42 26 | 11°18'36 | 16° 0 | 4°21 | 21°50 | 17° 7 | 6°24 | 16°45 | 26°59 | 29°32 | 6°13 | 20°40 | 21°12 | 14°58 | 3°44 | F 25 |
| S 26 | 16 46 23 | 12°15'53 | 29°56 | 4°58 | 22°58 | 16°52 | 6°28 | 16°40 | 27° 2 | 29°33 | 6°14 | 20°41 | 21° 8 | 15° 4 | 3°41 | S 26 |
| S 27 | 16 50 19 | 13°13'10 | 14♒ 0 | 5°31 | 24° 6 | 16°38 | 6°33 | 16°36 | 27° 4 | 29°34 | 6°16 | 20°42 | 21° 5 | 15°11 | 3°37 | S 27 |
| M28 | 16 54 16 | 14°10'26 | 28°10 | 5°59 | 25°14 | 16°24 | 6°37 | 16°31 | 27° 7 | 29°35 | 6°17 | 20°42 | 21° 2 | 15°18 | 3°34 | M28 |
| T 29 | 16 58 13 | 15° 7'41 | 12♓24 | 6°23 | 26°22 | 16°12 | 6°41 | 16°27 | 27°10 | 29°36 | 6°18 | 20°R42 | 20°59 | 15°24 | 3°30 | T 29 |
| W30 | 17 2 9 | 16° 4'57 | 26°39 | 6°43 | 27°29 | 15°59 | 6°44 | 16°23 | 27°13 | 29°37 | 6°19 | 20°42 | 20°56 | 15°31 | 3°27 | W30 |
| T 31 | 17 6 6 | 17♊ 2'12 | 10♈52 | 6♋58 | 28♋37 | 15♏48 | 6♓48 | 16♐18 | 27♋16 | 29♓38 | 6♉20 | 20♊42 | 20♊53 | 15♍38 | 3♑23 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n20 | 15s35 | 4s54 | 22n21 | 1n46 | 25n13 | 1n50 | 19s36 | 0s34 | 11s 3 | 0s58 | 21s32 | 1n29 | 21n34 | 0n34 | 1s42 | 1s25 | 1s10 | 15s30 | 23n13 | 23n18 | 11n39 | 16s43 | 6n44 |
| W 2 | 17 36 | 10 24 | 5 11 | 22 50 | 1 52 | 25 18 | 1 52 | 19 34 | 0 37 | 11 0 | 0 58 | 21 32 | 1 29 | 21 34 | 0 34 | 1 41 | 1 25 | 1 10 | 15 30 | 23 13 | 23 18 | 11 37 | 16 42 | 6 44 |
| T 3 | 17 52 | 4 37 | 5 8 | 23 17 | 1 58 | 25 22 | 1 54 | 19 32 | 0 40 | 10 57 | 0 59 | 21 31 | 1 29 | 21 33 | 0 34 | 1 41 | 1 25 | 1 10 | 15 30 | 23 13 | 23 18 | 11 34 | 16 42 | 6 45 |
| F 4 | 18 7 | 1n27 | 4 46 | 23 41 | 2 3 | 25 26 | 1 56 | 19 30 | 0 43 | 10 55 | 0 59 | 21 31 | 1 29 | 21 33 | 0 34 | 1 40 | 1 26 | 1 9 | 15 30 | 23 13 | 23 18 | 11 32 | 16 41 | 6 45 |
| S 5 | 18 22 | 7 25 | 4 5 | 24 2 | 2 7 | 25 28 | 1 57 | 19 28 | 0 46 | 10 52 | 0 59 | 21 31 | 1 29 | 21 32 | 0 34 | 1 40 | 1 26 | 1 9 | 15 30 | 23 12 | 23 18 | 11 29 | 16 41 | 6 46 |
| S 6 | 18 37 | 12 57 | 3 10 | 24 21 | 2 11 | 25 30 | 1 59 | 19 26 | 0 49 | 10 50 | 0 59 | 21 30 | 1 29 | 21 32 | 0 34 | 1 39 | 1 26 | 1 9 | 15 30 | 23 12 | 23 17 | 11 27 | 16 40 | 6 46 |
| M 7 | 18 51 | 17 42 | 2 3 | 24 38 | 2 13 | 25 31 | 2 0 | 19 24 | 0 53 | 10 47 | 1 0 | 21 30 | 1 29 | 21 32 | 0 34 | 1 39 | 1 26 | 1 8 | 15 30 | 23 12 | 23 17 | 11 24 | 16 40 | 6 47 |
| T 8 | 19 5 | 21 23 | 0 51 | 24 52 | 2 15 | 25 32 | 2 2 | 19 21 | 0 56 | 10 45 | 1 0 | 21 30 | 1 29 | 21 31 | 0 34 | 1 38 | 1 26 | 1 8 | 15 30 | 23 12 | 23 17 | 11 22 | 16 40 | 6 47 |
| W 9 | 19 19 | 23 47 | 0n22 | 25 4 | 2 16 | 25 32 | 2 3 | 19 19 | 0 59 | 10 42 | 1 0 | 21 29 | 1 29 | 21 31 | 0 34 | 1 37 | 1 26 | 1 8 | 15 30 | 23 12 | 23 17 | 11 19 | 16 39 | 6 48 |
| T 10 | 19 33 | 24 50 | 1 32 | 25 13 | 2 17 | 25 31 | 2 4 | 19 17 | 1 2 | 10 40 | 1 0 | 21 29 | 1 29 | 21 30 | 0 34 | 1 37 | 1 26 | 1 7 | 15 31 | 23 12 | 23 17 | 11 17 | 16 39 | 6 48 |
| F 11 | 19 46 | 24 32 | 2 36 | 25 21 | 2 16 | 25 29 | 2 5 | 19 14 | 1 5 | 10 38 | 1 1 | 21 29 | 1 29 | 21 30 | 0 34 | 1 36 | 1 26 | 1 7 | 15 31 | 23 12 | 23 17 | 11 15 | 16 39 | 6 48 |
| S 12 | 19 59 | 23 0 | 3 31 | 25 26 | 2 15 | 25 27 | 2 6 | 19 12 | 1 8 | 10 35 | 1 1 | 21 28 | 1 29 | 21 29 | 0 34 | 1 36 | 1 26 | 1 7 | 15 31 | 23 12 | 23 16 | 11 12 | 16 38 | 6 49 |
| S 13 | 20 11 | 20 27 | 4 16 | 25 30 | 2 13 | 25 24 | 2 7 | 19 9 | 1 11 | 10 33 | 1 1 | 21 28 | 1 29 | 21 29 | 0 34 | 1 35 | 1 26 | 1 6 | 15 31 | 23 12 | 23 16 | 11 10 | 16 38 | 6 49 |
| M14 | 20 23 | 17 3 | 4 48 | 25 31 | 2 10 | 25 20 | 2 8 | 19 7 | 1 14 | 10 31 | 1 1 | 21 28 | 1 29 | 21 28 | 0 33 | 1 35 | 1 26 | 1 6 | 15 31 | 23 12 | 23 16 | 11 7 | 16 38 | 6 50 |
| T 15 | 20 35 | 13 0 | 5 8 | 25 31 | 2 6 | 25 16 | 2 9 | 19 4 | 1 17 | 10 29 | 1 2 | 21 27 | 1 29 | 21 28 | 0 33 | 1 34 | 1 26 | 1 6 | 15 31 | 23 12 | 23 16 | 11 5 | 16 37 | 6 50 |
| W16 | 20 46 | 8 28 | 5 15 | 25 29 | 2 1 | 25 11 | 2 10 | 19 2 | 1 20 | 10 27 | 1 2 | 21 27 | 1 29 | 21 27 | 0 33 | 1 34 | 1 26 | 1 6 | 15 31 | 23 12 | 23 16 | 11 2 | 16 37 | 6 50 |
| T 17 | 20 57 | 3 36 | 5 8 | 25 25 | 1 56 | 25 5 | 2 10 | 18 59 | 1 23 | 10 25 | 1 2 | 21 26 | 1 29 | 21 27 | 0 33 | 1 34 | 1 26 | 1 5 | 15 31 | 23 12 | 23 15 | 11 0 | 16 37 | 6 51 |
| F 18 | 21 8 | 1s27 | 4 48 | 25 20 | 1 50 | 24 58 | 2 11 | 18 57 | 1 26 | 10 23 | 1 3 | 21 26 | 1 29 | 21 26 | 0 33 | 1 33 | 1 26 | 1 5 | 15 31 | 23 12 | 23 15 | 10 57 | 16 36 | 6 51 |
| S 19 | 21 19 | 6 32 | 4 14 | 25 14 | 1 43 | 24 51 | 2 11 | 18 54 | 1 29 | 10 21 | 1 3 | 21 26 | 1 29 | 21 26 | 0 33 | 1 33 | 1 26 | 1 5 | 15 31 | 23 12 | 23 15 | 10 54 | 16 36 | 6 52 |
| S 20 | 21 28 | 11 28 | 3 28 | 25 6 | 1 35 | 24 43 | 2 12 | 18 52 | 1 32 | 10 20 | 1 3 | 21 25 | 1 29 | 21 25 | 0 33 | 1 32 | 1 26 | 1 5 | 15 32 | 23 12 | 23 15 | 10 52 | 16 36 | 6 52 |
| M21 | 21 38 | 16 1 | 2 30 | 24 58 | 1 27 | 24 35 | 2 12 | 18 50 | 1 35 | 10 18 | 1 3 | 21 25 | 1 29 | 21 25 | 0 33 | 1 32 | 1 26 | 1 4 | 15 32 | 23 12 | 23 15 | 10 49 | 16 36 | 6 52 |
| T 22 | 21 47 | 19 55 | 1 23 | 24 48 | 1 17 | 24 26 | 2 12 | 18 47 | 1 37 | 10 16 | 1 4 | 21 25 | 1 29 | 21 24 | 0 33 | 1 32 | 1 26 | 1 4 | 15 32 | 23 11 | 23 14 | 10 47 | 16 35 | 6 53 |
| W23 | 21 56 | 22 52 | 0 11 | 24 37 | 1 7 | 24 16 | 2 12 | 18 45 | 1 40 | 10 15 | 1 4 | 21 24 | 1 29 | 21 24 | 0 33 | 1 31 | 1 26 | 1 4 | 15 32 | 23 11 | 23 14 | 10 44 | 16 35 | 6 53 |
| T 24 | 22 5 | 24 34 | 1s 4 | 24 25 | 0 57 | 24 6 | 2 12 | 18 43 | 1 43 | 10 13 | 1 4 | 21 24 | 1 29 | 21 23 | 0 33 | 1 31 | 1 26 | 1 4 | 15 32 | 23 11 | 23 14 | 10 42 | 16 35 | 6 53 |
| F 25 | 22 13 | 24 48 | 2 16 | 24 12 | 0 45 | 23 55 | 2 12 | 18 41 | 1 45 | 10 12 | 1 5 | 21 23 | 1 28 | 21 23 | 0 33 | 1 30 | 1 27 | 1 3 | 15 32 | 23 12 | 23 14 | 10 39 | 16 35 | 6 54 |
| S 26 | 22 20 | 23 30 | 3 21 | 23 58 | 0 33 | 23 43 | 2 12 | 18 39 | 1 48 | 10 10 | 1 5 | 21 23 | 1 28 | 21 22 | 0 33 | 1 30 | 1 27 | 1 3 | 15 33 | 23 12 | 23 13 | 10 37 | 16 34 | 6 54 |
| S 27 | 22 28 | 20 44 | 4 14 | 23 44 | 0 20 | 23 31 | 2 11 | 18 38 | 1 50 | 10 9 | 1 5 | 21 23 | 1 28 | 21 22 | 0 33 | 1 30 | 1 27 | 1 3 | 15 33 | 23 12 | 23 13 | 10 34 | 16 34 | 6 54 |
| M28 | 22 35 | 16 43 | 4 53 | 23 30 | 0 6 | 23 18 | 2 11 | 18 36 | 1 53 | 10 8 | 1 5 | 21 22 | 1 28 | 21 21 | 0 33 | 1 29 | 1 27 | 1 3 | 15 33 | 23 12 | 23 13 | 10 32 | 16 34 | 6 54 |
| T 29 | 22 41 | 11 45 | 5 13 | 23 14 | 0s 8 | 23 5 | 2 10 | 18 34 | 1 55 | 10 6 | 1 6 | 21 22 | 1 28 | 21 20 | 0 33 | 1 29 | 1 27 | 1 3 | 15 33 | 23 12 | 23 13 | 10 29 | 16 34 | 6 55 |
| W30 | 22 47 | 6 9 | 5 15 | 22 59 | 0 22 | 22 51 | 2 10 | 18 33 | 1 57 | 10 5 | 1 6 | 21 22 | 1 28 | 21 20 | 0 33 | 1 29 | 1 27 | 1 2 | 15 33 | 23 12 | 23 13 | 10 27 | 16 34 | 6 55 |
| T 31 | 22n53 | 0s15 | 4s57 | 22n43 | 0s37 | 22n37 | 2n 9 | 18s32 | 2s 0 | 10s 4 | 1s 6 | 21s21 | 1n28 | 21n19 | 0n33 | 1s29 | 1s27 | 1s 2 | 15s33 | 23n12 | 23n12 | 10n24 | 16s34 | 6n55 |

Julian Day Number = 2221205.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'36, Lahiri = 15°03'36 Julian Calendar 1 May 1369 == Greg. Calendar 9 May 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## JUNE 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 10 2 | 17♊59'27 | 25♈ 0 | 7♋ 8 | 29♋44 | 15°R38 | 6♓51 | 16°R14 | 27♋19 | 29♓38 | 6♉21 | 20°R42 | 20♊49 | 15♍45 | 3°R19 | F 1 |
| S 2 | 17 13 59 | 18°56'41 | 9♉ 1 | 7°14 | 0♌51 | 15♏28 | 6°54 | 16♐ 9 | 27°22 | 29°39 | 6°22 | 20♊41 | 20°46 | 15°51 | 3♑16 | S 2 |
| S 3 | 17 17 55 | 19°53'56 | 22°52 | 7°R16 | 1°58 | 15°19 | 6°58 | 16° 5 | 27°25 | 29°40 | 6°23 | 20°41 | 20°43 | 15°58 | 3°12 | S 3 |
| M 4 | 17 21 52 | 20°51'10 | 6♊31 | 7°13 | 3° 5 | 15°11 | 7° 0 | 16° 1 | 27°29 | 29°41 | 6°24 | 20°D41 | 20°40 | 16° 5 | 3° 9 | M 4 |
| T 5 | 17 25 48 | 21°48'24 | 19°55 | 7° 5 | 4°12 | 15° 3 | 7° 3 | 15°56 | 27°32 | 29°41 | 6°25 | 20°R41 | 20°37 | 16°12 | 3° 5 | T 5 |
| W 6 | 17 29 45 | 22°45'38 | 3♋ 2 | 6°54 | 5°19 | 14°57 | 7° 5 | 15°52 | 27°35 | 29°42 | 6°26 | 20°41 | 20°34 | 16°18 | 3° 1 | W 6 |
| T 7 | 17 33 42 | 23°42'51 | 15°54 | 6°38 | 6°25 | 14°51 | 7° 8 | 15°47 | 27°38 | 29°42 | 6°27 | 20°41 | 20°30 | 16°25 | 2°57 | T 7 |
| F 8 | 17 37 38 | 24°40'04 | 28°29 | 6°18 | 7°31 | 14°47 | 7°10 | 15°43 | 27°41 | 29°43 | 6°28 | 20°41 | 20°27 | 16°32 | 2°54 | F 8 |
| S 9 | 17 41 35 | 25°37'16 | 10♌49 | 5°54 | 8°38 | 14°43 | 7°12 | 15°39 | 27°45 | 29°43 | 6°29 | 20°40 | 20°24 | 16°38 | 2°50 | S 9 |
| S 10 | 17 45 31 | 26°34'28 | 22°58 | 5°27 | 9°44 | 14°40 | 7°13 | 15°34 | 27°48 | 29°44 | 6°30 | 20°39 | 20°21 | 16°45 | 2°46 | S 10 |
| M11 | 17 49 28 | 27°31'40 | 4♍57 | 4°57 | 10°49 | 14°37 | 7°15 | 15°30 | 27°51 | 29°44 | 6°31 | 20°39 | 20°18 | 16°52 | 2°42 | M11 |
| T 12 | 17 53 24 | 28°28'51 | 16°51 | 4°25 | 11°55 | 14°36 | 7°16 | 15°26 | 27°54 | 29°45 | 6°32 | 20°38 | 20°14 | 16°59 | 2°39 | T 12 |
| W13 | 17 57 21 | 29°26'01 | 28°45 | 3°51 | 13° 0 | 14°D35 | 7°17 | 15°22 | 27°58 | 29°45 | 6°33 | 20°D38 | 20°11 | 17° 5 | 2°35 | W13 |
| T 14 | 18 1 17 | 0♋23'12 | 10♎42 | 3°15 | 14° 5 | 14°36 | 7°18 | 15°18 | 28° 1 | 29°46 | 6°34 | 20°38 | 20° 8 | 17°12 | 2°31 | T 14 |
| F 15 | 18 5 14 | 1°20'22 | 22°48 | 2°39 | 15°10 | 14°37 | 7°19 | 15°13 | 28° 5 | 29°46 | 6°34 | 20°39 | 20° 5 | 17°19 | 2°27 | F 15 |
| S 16 | 18 9 11 | 2°17'31 | 5♏ 6 | 2° 2 | 16°15 | 14°39 | 7°20 | 15° 9 | 28° 8 | 29°46 | 6°35 | 20°40 | 20° 2 | 17°26 | 2°24 | S 16 |
| S 17 | 18 13 7 | 3°14'41 | 17°40 | 1°26 | 17°20 | 14°41 | 7°20 | 15° 5 | 28°11 | 29°47 | 6°36 | 20°41 | 19°59 | 17°32 | 2°20 | S 17 |
| M18 | 18 17 4 | 4°11'50 | 0♐34 | 0°51 | 18°24 | 14°45 | 7°R20 | 15° 1 | 28°15 | 29°47 | 6°37 | 20°42 | 19°55 | 17°39 | 2°16 | M18 |
| T 19 | 18 21 0 | 5° 9'00 | 13°49 | 0°17 | 19°28 | 14°49 | 7°20 | 14°57 | 28°18 | 29°47 | 6°38 | 20°43 | 19°52 | 17°46 | 2°12 | T 19 |
| W20 | 18 24 57 | 6° 6'09 | 27°25 | 29♊46 | 20°32 | 14°54 | 7°20 | 14°53 | 28°22 | 29°47 | 6°39 | 20°R43 | 19°49 | 17°52 | 2° 8 | W20 |
| T 21 | 18 28 53 | 7° 3'19 | 11♑21 | 29°17 | 21°36 | 15° 0 | 7°20 | 14°49 | 28°25 | 29°47 | 6°39 | 20°42 | 19°46 | 17°59 | 2° 5 | T 21 |
| F 22 | 18 32 50 | 8° 0'28 | 25°33 | 28°52 | 22°39 | 15° 7 | 7°19 | 14°45 | 28°29 | 29°47 | 6°40 | 20°40 | 19°43 | 18° 6 | 2° 1 | F 22 |
| S 23 | 18 36 47 | 8°57'38 | 9♒57 | 28°31 | 23°42 | 15°15 | 7°18 | 14°42 | 28°32 | 29°48 | 6°41 | 20°38 | 19°40 | 18°13 | 1°57 | S 23 |
| S 24 | 18 40 43 | 9°54'49 | 24°27 | 28°14 | 24°45 | 15°23 | 7°17 | 14°38 | 28°36 | 29°48 | 6°42 | 20°36 | 19°36 | 18°19 | 1°53 | S 24 |
| M25 | 18 44 40 | 10°51'59 | 8♓57 | 28° 2 | 25°48 | 15°32 | 7°16 | 14°34 | 28°39 | 29°R48 | 6°42 | 20°33 | 19°33 | 18°26 | 1°50 | M25 |
| T 26 | 18 48 36 | 11°49'11 | 23°23 | 27°54 | 26°50 | 15°41 | 7°15 | 14°30 | 28°43 | 29°48 | 6°43 | 20°32 | 19°30 | 18°33 | 1°46 | T 26 |
| W27 | 18 52 33 | 12°46'23 | 7♈41 | 27°D51 | 27°52 | 15°52 | 7°13 | 14°27 | 28°47 | 29°47 | 6°44 | 20°D31 | 19°27 | 18°39 | 1°42 | W27 |
| T 28 | 18 56 29 | 13°43'35 | 21°47 | 27°54 | 28°54 | 16° 3 | 7°11 | 14°23 | 28°50 | 29°47 | 6°44 | 20°31 | 19°24 | 18°46 | 1°39 | T 28 |
| F 29 | 19 0 26 | 14°40'48 | 5♉41 | 28° 2 | 29°56 | 16°14 | 7° 9 | 14°20 | 28°54 | 29°47 | 6°45 | 20°32 | 19°20 | 18°53 | 1°35 | F 29 |
| S 30 | 19 4 22 | 15♋38'03 | 19♉21 | 28♊16 | 0♍57 | 16♏27 | 7♓ 7 | 14♐16 | 28♋57 | 29♓47 | 6♉45 | 20♊33 | 19♊17 | 19♍ 0 | 1♑31 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n59 | 5n39 | 4s22 | 22n27 | 0s53 | 22n22 | 2n 8 | 18s31 | 2s 2 | 10s 3 | 1s 7 | 21s21 | 1n28 | 21n19 | 0n33 | 1s28 | 1s27 | 1s 2 | 15s34 | 23n12 | 23n12 | 10n21 | 16s33 | 6n56 |
| S 2 | 23 4 | 11 13 | 3 31 | 22 11 | 1 9 | 22 6 | 2 7 | 18 30 | 2 4 | 10 2 | 1 7 | 21 21 | 1 28 | 21 18 | 0 33 | 1 28 | 1 27 | 1 2 | 15 34 | 23 12 | 23 12 | 10 19 | 16 33 | 6 56 |
| S 3 | 23 8 | 16 10 | 2 28 | 21 54 | 1 25 | 21 50 | 2 6 | 18 29 | 2 6 | 10 2 | 1 7 | 21 20 | 1 28 | 21 17 | 0 33 | 1 28 | 1 27 | 1 2 | 15 34 | 23 12 | 23 12 | 10 16 | 16 33 | 6 56 |
| M 4 | 23 12 | 20 12 | 1 18 | 21 38 | 1 41 | 21 33 | 2 4 | 18 29 | 2 8 | 10 1 | 1 7 | 21 20 | 1 28 | 21 17 | 0 33 | 1 28 | 1 27 | 1 2 | 15 34 | 23 12 | 23 11 | 10 14 | 16 33 | 6 56 |
| T 5 | 23 16 | 23 4 | 0 4 | 21 22 | 1 58 | 21 16 | 2 3 | 18 28 | 2 10 | 10 0 | 1 8 | 21 19 | 1 28 | 21 16 | 0 33 | 1 27 | 1 27 | 1 2 | 15 34 | 23 12 | 23 11 | 10 11 | 16 33 | 6 56 |
| W 6 | 23 19 | 24 37 | 1n 8 | 21 6 | 2 14 | 20 58 | 2 2 | 18 28 | 2 12 | 9 59 | 1 8 | 21 19 | 1 28 | 21 15 | 0 33 | 1 27 | 1 27 | 1 1 | 15 35 | 23 12 | 23 11 | 10 9 | 16 33 | 6 57 |
| T 7 | 23 22 | 24 48 | 2 15 | 20 51 | 2 30 | 20 40 | 2 0 | 18 28 | 2 13 | 9 59 | 1 8 | 21 19 | 1 27 | 21 15 | 0 33 | 1 27 | 1 27 | 1 1 | 15 35 | 23 12 | 23 11 | 10 6 | 16 33 | 6 57 |
| F 8 | 23 25 | 23 42 | 3 14 | 20 36 | 2 46 | 20 21 | 1 58 | 18 28 | 2 15 | 9 58 | 1 9 | 21 18 | 1 27 | 21 14 | 0 33 | 1 27 | 1 27 | 1 1 | 15 35 | 23 12 | 23 11 | 10 3 | 16 33 | 6 57 |
| S 9 | 23 27 | 21 28 | 4 3 | 20 22 | 3 2 | 20 2 | 1 56 | 18 29 | 2 17 | 9 58 | 1 9 | 21 18 | 1 27 | 21 14 | 0 33 | 1 27 | 1 27 | 1 1 | 15 35 | 23 12 | 23 10 | 10 1 | 16 33 | 6 57 |
| S 10 | 23 29 | 18 19 | 4 40 | 20 8 | 3 17 | 19 43 | 1 55 | 18 30 | 2 18 | 9 58 | 1 9 | 21 18 | 1 27 | 21 13 | 0 33 | 1 27 | 1 27 | 1 1 | 15 35 | 23 11 | 23 10 | 9 58 | 16 32 | 6 57 |
| M11 | 23 30 | 14 27 | 5 5 | 19 55 | 3 31 | 19 23 | 1 52 | 18 30 | 2 20 | 9 57 | 1 10 | 21 17 | 1 27 | 21 12 | 0 33 | 1 26 | 1 27 | 1 1 | 15 36 | 23 11 | 23 10 | 9 56 | 16 32 | 6 57 |
| T 12 | 23 31 | 10 3 | 5 16 | 19 43 | 3 44 | 19 2 | 1 50 | 18 31 | 2 21 | 9 57 | 1 10 | 21 17 | 1 27 | 21 12 | 0 33 | 1 26 | 1 28 | 1 1 | 15 36 | 23 11 | 23 10 | 9 53 | 16 32 | 6 57 |
| W13 | 23 31 | 5 17 | 5 13 | 19 32 | 3 56 | 18 42 | 1 48 | 18 33 | 2 23 | 9 57 | 1 10 | 21 17 | 1 27 | 21 11 | 0 33 | 1 26 | 1 28 | 1 1 | 15 36 | 23 11 | 23 9 | 9 51 | 16 32 | 6 58 |
| T 14 | 23 31 | 0 18 | 4 57 | 19 21 | 4 8 | 18 20 | 1 45 | 18 34 | 2 24 | 9 57 | 1 10 | 21 16 | 1 27 | 21 10 | 0 33 | 1 26 | 1 28 | 1 1 | 15 36 | 23 11 | 23 9 | 9 48 | 16 32 | 6 58 |
| F 15 | 23 31 | 4s45 | 4 28 | 19 12 | 4 17 | 17 59 | 1 43 | 18 36 | 2 26 | 9 57 | 1 11 | 21 16 | 1 27 | 21 9 | 0 33 | 1 26 | 1 28 | 1 1 | 15 37 | 23 11 | 23 9 | 9 45 | 16 32 | 6 58 |
| S 16 | 23 30 | 9 43 | 3 46 | 19 5 | 4 26 | 17 37 | 1 40 | 18 37 | 2 27 | 9 57 | 1 11 | 21 16 | 1 26 | 21 9 | 0 33 | 1 26 | 1 28 | 1 1 | 15 37 | 23 11 | 23 9 | 9 43 | 16 32 | 6 58 |
| S 17 | 23 29 | 14 24 | 2 53 | 18 58 | 4 33 | 17 14 | 1 37 | 18 39 | 2 28 | 9 57 | 1 11 | 21 15 | 1 26 | 21 8 | 0 33 | 1 26 | 1 28 | 1 1 | 15 37 | 23 12 | 23 8 | 9 40 | 16 32 | 6 58 |
| M18 | 23 27 | 18 34 | 1 49 | 18 53 | 4 38 | 16 52 | 1 34 | 18 42 | 2 29 | 9 57 | 1 12 | 21 15 | 1 26 | 21 7 | 0 33 | 1 26 | 1 28 | 1 1 | 15 37 | 23 12 | 23 8 | 9 37 | 16 32 | 6 58 |
| T 19 | 23 25 | 21 54 | 0 38 | 18 49 | 4 42 | 16 29 | 1 31 | 18 44 | 2 30 | 9 58 | 1 12 | 21 15 | 1 26 | 21 7 | 0 33 | 1 26 | 1 28 | 1 1 | 15 38 | 23 12 | 23 8 | 9 35 | 16 32 | 6 58 |
| W20 | 23 23 | 24 7 | 0s37 | 18 47 | 4 44 | 16 5 | 1 28 | 18 47 | 2 32 | 9 58 | 1 12 | 21 14 | 1 26 | 21 6 | 0 33 | 1 26 | 1 28 | 1 1 | 15 38 | 23 12 | 23 8 | 9 32 | 16 32 | 6 58 |
| T 21 | 23 20 | 24 53 | 1 51 | 18 46 | 4 45 | 15 41 | 1 25 | 18 49 | 2 33 | 9 58 | 1 13 | 21 14 | 1 26 | 21 5 | 0 33 | 1 26 | 1 28 | 1 1 | 15 38 | 23 12 | 23 8 | 9 30 | 16 32 | 6 58 |
| F 22 | 23 17 | 24 4 | 3 0 | 18 47 | 4 44 | 15 17 | 1 21 | 18 52 | 2 34 | 9 59 | 1 13 | 21 14 | 1 26 | 21 5 | 0 33 | 1 26 | 1 28 | 1 1 | 15 38 | 23 12 | 23 7 | 9 27 | 16 32 | 6 58 |
| S 23 | 23 13 | 21 39 | 3 59 | 18 49 | 4 42 | 14 53 | 1 18 | 18 55 | 2 35 | 9 59 | 1 13 | 21 13 | 1 26 | 21 4 | 0 33 | 1 26 | 1 28 | 1 1 | 15 39 | 23 11 | 23 7 | 9 24 | 16 33 | 6 58 |
| S 24 | 23 9 | 17 51 | 4 43 | 18 53 | 4 38 | 14 29 | 1 14 | 18 59 | 2 35 | 10 0 | 1 14 | 21 13 | 1 25 | 21 3 | 0 33 | 1 26 | 1 28 | 1 1 | 15 39 | 23 11 | 23 7 | 9 22 | 16 33 | 6 58 |
| M25 | 23 5 | 12 59 | 5 8 | 18 58 | 4 33 | 14 4 | 1 10 | 19 2 | 2 36 | 10 1 | 1 14 | 21 13 | 1 25 | 21 2 | 0 33 | 1 26 | 1 28 | 1 1 | 15 39 | 23 11 | 23 7 | 9 19 | 16 33 | 6 58 |
| T 26 | 23 0 | 7 26 | 5 14 | 19 4 | 4 26 | 13 39 | 1 6 | 19 6 | 2 37 | 10 2 | 1 14 | 21 12 | 1 25 | 21 2 | 0 33 | 1 26 | 1 28 | 1 1 | 15 39 | 23 11 | 23 6 | 9 16 | 16 33 | 6 58 |
| W27 | 22 54 | 1 32 | 5 1 | 19 12 | 4 19 | 13 13 | 1 2 | 19 10 | 2 38 | 10 2 | 1 14 | 21 12 | 1 25 | 21 1 | 0 33 | 1 26 | 1 28 | 1 1 | 15 40 | 23 11 | 23 6 | 9 14 | 16 33 | 6 58 |
| T 28 | 22 49 | 4n22 | 4 29 | 19 20 | 4 10 | 12 48 | 0 58 | 19 14 | 2 39 | 10 3 | 1 15 | 21 12 | 1 25 | 21 0 | 0 33 | 1 26 | 1 28 | 1 1 | 15 40 | 23 11 | 23 6 | 9 11 | 16 33 | 6 58 |
| F 29 | 22 43 | 9 58 | 3 42 | 19 30 | 4 0 | 12 22 | 0 53 | 19 18 | 2 39 | 10 4 | 1 15 | 21 12 | 1 25 | 20 59 | 0 33 | 1 26 | 1 28 | 1 1 | 15 40 | 23 11 | 23 6 | 9 8 | 16 33 | 6 58 |
| S 30 | 22n36 | 15n 0 | 2s43 | 19n41 | 3s49 | 11n56 | 0n49 | 19s22 | 2s40 | 10s 5 | 1s15 | 21s11 | 1n25 | 20n59 | 0n33 | 1s26 | 1s29 | 1s 1 | 15s40 | 23n11 | 23n 5 | 9n 6 | 16s33 | 6n58 |

Julian Day Number = 2221236.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'40, Lahiri = 15°03'40 Julian Calendar 1 June 1369 == Greg. Calendar 9 June 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## JULY 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 8 19 | 16♋35'17 | 2♊48 | 28♊35 | 1♍58 | 16♏40 | 7°R 5 | 14°R13 | 29♋ 1 | 29°R47 | 6♉46 | 20♊35 | 19♊14 | 19♍ 6 | 1°R28 | S 1 |
| M 2 | 19 12 16 | 17°32'33 | 16° 1 | 29° 0 | 2°59 | 16°54 | 7♓ 2 | 14♐ 9 | 29° 5 | 29♓47 | 6°47 | 20°R36 | 19°11 | 19°13 | 1♑24 | M 2 |
| T 3 | 19 16 12 | 18°29'49 | 29° 1 | 29°31 | 3°59 | 17° 8 | 7° 0 | 14° 6 | 29° 8 | 29°46 | 6°47 | 20°35 | 19° 8 | 19°20 | 1°21 | T 3 |
| W 4 | 19 20 9 | 19°27'06 | 11♋49 | 0♋ 7 | 4°59 | 17°23 | 6°57 | 14° 3 | 29°12 | 29°46 | 6°48 | 20°34 | 19° 5 | 19°27 | 1°17 | W 4 |
| T 5 | 19 24 5 | 20°24'24 | 24°25 | 0°48 | 5°59 | 17°39 | 6°54 | 14° 0 | 29°16 | 29°46 | 6°48 | 20°31 | 19° 1 | 19°33 | 1°14 | T 5 |
| F 6 | 19 28 2 | 21°21'42 | 6♌49 | 1°36 | 6°58 | 17°56 | 6°50 | 13°57 | 29°19 | 29°46 | 6°49 | 20°26 | 18°58 | 19°40 | 1°10 | F 6 |
| S 7 | 19 31 58 | 22°19'00 | 19° 3 | 2°28 | 7°57 | 18°13 | 6°47 | 13°54 | 29°23 | 29°45 | 6°49 | 20°21 | 18°55 | 19°47 | 1° 7 | S 7 |
| S 8 | 19 35 55 | 23°16'20 | 1♍ 7 | 3°26 | 8°55 | 18°30 | 6°43 | 13°51 | 29°27 | 29°45 | 6°50 | 20°15 | 18°52 | 19°53 | 1° 4 | S 8 |
| M 9 | 19 39 51 | 24°13'39 | 13° 4 | 4°30 | 9°53 | 18°48 | 6°39 | 13°48 | 29°30 | 29°44 | 6°50 | 20°10 | 18°49 | 20° 0 | 1° 0 | M 9 |
| T 10 | 19 43 48 | 25°10'59 | 24°57 | 5°39 | 10°51 | 19° 7 | 6°35 | 13°45 | 29°34 | 29°44 | 6°50 | 20° 5 | 18°46 | 20° 7 | 0°57 | T 10 |
| W11 | 19 47 45 | 26° 8'20 | 6♎49 | 6°52 | 11°48 | 19°27 | 6°31 | 13°43 | 29°38 | 29°43 | 6°51 | 20° 2 | 18°42 | 20°14 | 0°54 | W11 |
| T 12 | 19 51 41 | 27° 5'41 | 18°44 | 8°11 | 12°45 | 19°46 | 6°27 | 13°40 | 29°41 | 29°43 | 6°51 | 20° 0 | 18°39 | 20°20 | 0°51 | T 12 |
| F 13 | 19 55 38 | 28° 3'03 | 0♏47 | 9°35 | 13°42 | 20° 7 | 6°22 | 13°38 | 29°45 | 29°42 | 6°52 | 20°D 0 | 18°36 | 20°27 | 0°47 | F 13 |
| S 14 | 19 59 34 | 29° 0'26 | 13° 3 | 11° 3 | 14°37 | 20°28 | 6°18 | 13°35 | 29°49 | 29°42 | 6°52 | 20° 1 | 18°33 | 20°34 | 0°44 | S 14 |
| S 15 | 20 3 31 | 29°57'49 | 25°37 | 12°36 | 15°33 | 20°49 | 6°13 | 13°33 | 29°52 | 29°41 | 6°52 | 20° 2 | 18°30 | 20°41 | 0°41 | S 15 |
| M16 | 20 7 27 | 0♌55'13 | 8♐32 | 14°13 | 16°28 | 21°11 | 6° 8 | 13°30 | 29°56 | 29°40 | 6°52 | 20° 3 | 18°26 | 20°47 | 0°38 | M16 |
| T 17 | 20 11 24 | 1°52'38 | 21°52 | 15°54 | 17°22 | 21°34 | 6° 3 | 13°28 | 29°59 | 29°40 | 6°53 | 20°R 4 | 18°23 | 20°54 | 0°35 | T 17 |
| W18 | 20 15 20 | 2°50'03 | 5♑38 | 17°38 | 18°16 | 21°57 | 5°57 | 13°26 | 0♌ 4 | 29°39 | 6°53 | 20° 3 | 18°20 | 21° 1 | 0°32 | W18 |
| T 19 | 20 19 17 | 3°47'29 | 19°49 | 19°26 | 19° 9 | 22°20 | 5°52 | 13°24 | 0° 7 | 29°38 | 6°53 | 20° 0 | 18°17 | 21° 7 | 0°29 | T 19 |
| F 20 | 20 23 14 | 4°44'57 | 4♒22 | 21°17 | 20° 2 | 22°44 | 5°46 | 13°22 | 0°11 | 29°37 | 6°53 | 19°55 | 18°14 | 21°14 | 0°27 | F 20 |
| S 21 | 20 27 10 | 5°42'25 | 19°11 | 23°11 | 20°54 | 23° 9 | 5°41 | 13°20 | 0°15 | 29°37 | 6°54 | 19°49 | 18°11 | 21°21 | 0°24 | S 21 |
| S 22 | 20 31 7 | 6°39'54 | 4♓ 8 | 25° 7 | 21°46 | 23°34 | 5°35 | 13°18 | 0°18 | 29°36 | 6°54 | 19°42 | 18° 7 | 21°28 | 0°21 | S 22 |
| M23 | 20 35 3 | 7°37'25 | 19° 3 | 27° 5 | 22°36 | 23°59 | 5°29 | 13°17 | 0°22 | 29°35 | 6°54 | 19°35 | 18° 4 | 21°34 | 0°19 | M23 |
| T 24 | 20 39 0 | 8°34'57 | 3♈48 | 29° 5 | 23°27 | 24°25 | 5°22 | 13°15 | 0°26 | 29°34 | 6°54 | 19°30 | 18° 1 | 21°41 | 0°16 | T 24 |
| W25 | 20 42 56 | 9°32'30 | 18°18 | 1♌ 6 | 24°16 | 24°51 | 5°16 | 13°14 | 0°29 | 29°33 | 6°54 | 19°26 | 17°58 | 21°48 | 0°14 | W25 |
| T 26 | 20 46 53 | 10°30'05 | 2♉28 | 3° 8 | 25° 5 | 25°17 | 5°10 | 13°12 | 0°33 | 29°32 | 6°54 | 19°24 | 17°55 | 21°54 | 0°11 | T 26 |
| F 27 | 20 50 49 | 11°27'42 | 16°17 | 5°10 | 25°53 | 25°44 | 5° 3 | 13°11 | 0°37 | 29°31 | 6°54 | 19°D24 | 17°52 | 22° 1 | 0° 9 | F 27 |
| S 28 | 20 54 46 | 12°25'20 | 29°46 | 7°13 | 26°40 | 26°12 | 4°57 | 13°10 | 0°40 | 29°30 | 6°54 | 19°25 | 17°48 | 22° 8 | 0° 6 | S 28 |
| S 29 | 20 58 43 | 13°23'00 | 12♊57 | 9°15 | 27°27 | 26°39 | 4°50 | 13° 9 | 0°44 | 29°29 | 6°R54 | 19°R26 | 17°45 | 22°15 | 0° 4 | S 29 |
| M30 | 21 2 39 | 14°20'41 | 25°52 | 11°18 | 28°12 | 27° 8 | 4°43 | 13° 8 | 0°48 | 29°28 | 6°54 | 19°25 | 17°42 | 22°21 | 0° 2 | M30 |
| T 31 | 21 6 36 | 15♌18'24 | 8♋33 | 13♌19 | 28♍57 | 27♏36 | 4♓36 | 13♐ 7 | 0♌51 | 29♓27 | 6♉54 | 19♊24 | 17♊39 | 22♍28 | 29♐59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n29 | 19n13 | 1s36 | 19n53 | 3s38 | 11n30 | 0n44 | 19s26 | 2s41 | 10s 7 | 1s16 | 21s11 | 1n24 | 20n58 | 0n33 | 1s26 | 1s29 | 1s 1 | 15s41 | 23n11 | 23n 5 | 9n 3 | 16s33 | 6n57 |
| M 2 | 22 22 | 22 22 | 0 25 | 20 5 | 3 26 | 11 4 | 0 39 | 19 31 | 2 41 | 10 8 | 1 16 | 21 11 | 1 24 | 20 57 | 0 33 | 1 27 | 1 29 | 1 1 | 15 41 | 23 11 | 23 5 | 9 1 | 16 33 | 6 57 |
| T 3 | 22 14 | 24 17 | 0n46 | 20 18 | 3 13 | 10 37 | 0 34 | 19 36 | 2 42 | 10 9 | 1 16 | 21 11 | 1 24 | 20 56 | 0 33 | 1 27 | 1 29 | 1 1 | 15 41 | 23 11 | 23 4 | 8 58 | 16 34 | 6 57 |
| W 4 | 22 6 | 24 53 | 1 54 | 20 32 | 3 0 | 10 10 | 0 29 | 19 41 | 2 42 | 10 10 | 1 16 | 21 11 | 1 24 | 20 56 | 0 33 | 1 27 | 1 29 | 1 1 | 15 42 | 23 11 | 23 4 | 8 55 | 16 34 | 6 57 |
| T 5 | 21 58 | 24 10 | 2 54 | 20 45 | 2 46 | 9 44 | 0 24 | 19 46 | 2 43 | 10 12 | 1 17 | 21 10 | 1 24 | 20 55 | 0 33 | 1 27 | 1 29 | 1 2 | 15 42 | 23 11 | 23 4 | 8 53 | 16 34 | 6 57 |
| F 6 | 21 49 | 22 16 | 3 46 | 20 59 | 2 32 | 9 17 | 0 19 | 19 51 | 2 43 | 10 13 | 1 17 | 21 10 | 1 24 | 20 54 | 0 33 | 1 27 | 1 29 | 1 2 | 15 42 | 23 11 | 23 4 | 8 50 | 16 34 | 6 57 |
| S 7 | 21 40 | 19 22 | 4 26 | 21 13 | 2 17 | 8 50 | 0 13 | 19 56 | 2 44 | 10 15 | 1 17 | 21 10 | 1 23 | 20 53 | 0 33 | 1 27 | 1 29 | 1 2 | 15 42 | 23 10 | 23 3 | 8 47 | 16 34 | 6 57 |
| S 8 | 21 30 | 15 41 | 4 54 | 21 26 | 2 3 | 8 22 | 0 8 | 20 1 | 2 44 | 10 17 | 1 18 | 21 10 | 1 23 | 20 53 | 0 33 | 1 28 | 1 29 | 1 2 | 15 43 | 23 10 | 23 3 | 8 45 | 16 35 | 6 57 |
| M 9 | 21 21 | 11 25 | 5 8 | 21 39 | 1 48 | 7 55 | 0 2 | 20 7 | 2 45 | 10 18 | 1 18 | 21 10 | 1 23 | 20 52 | 0 33 | 1 28 | 1 29 | 1 2 | 15 43 | 23 9 | 23 3 | 8 42 | 16 35 | 6 56 |
| T 10 | 21 10 | 6 45 | 5 10 | 21 51 | 1 34 | 7 28 | 0s 4 | 20 12 | 2 45 | 10 20 | 1 18 | 21 9 | 1 23 | 20 51 | 0 33 | 1 28 | 1 29 | 1 2 | 15 43 | 23 9 | 23 3 | 8 39 | 16 35 | 6 56 |
| W11 | 21 0 | 1 51 | 4 58 | 22 2 | 1 19 | 7 1 | 0 10 | 20 18 | 2 45 | 10 22 | 1 18 | 21 9 | 1 23 | 20 50 | 0 33 | 1 28 | 1 29 | 1 2 | 15 44 | 23 9 | 23 2 | 8 36 | 16 35 | 6 56 |
| T 12 | 20 49 | 3s 9 | 4 33 | 22 12 | 1 4 | 6 33 | 0 16 | 20 24 | 2 46 | 10 24 | 1 19 | 21 9 | 1 23 | 20 49 | 0 33 | 1 29 | 1 29 | 1 3 | 15 44 | 23 9 | 23 2 | 8 34 | 16 35 | 6 56 |
| F 13 | 20 37 | 8 6 | 3 56 | 22 20 | 0 50 | 6 6 | 0 22 | 20 30 | 2 46 | 10 26 | 1 19 | 21 9 | 1 22 | 20 49 | 0 33 | 1 29 | 1 29 | 1 3 | 15 44 | 23 9 | 23 2 | 8 31 | 16 36 | 6 56 |
| S 14 | 20 26 | 12 50 | 3 7 | 22 28 | 0 36 | 5 38 | 0 29 | 20 36 | 2 46 | 10 28 | 1 19 | 21 9 | 1 22 | 20 48 | 0 33 | 1 29 | 1 29 | 1 3 | 15 44 | 23 9 | 23 2 | 8 28 | 16 36 | 6 55 |
| S 15 | 20 14 | 17 9 | 2 9 | 22 33 | 0 22 | 5 11 | 0 35 | 20 42 | 2 46 | 10 30 | 1 20 | 21 9 | 1 22 | 20 47 | 0 33 | 1 29 | 1 29 | 1 3 | 15 45 | 23 9 | 23 1 | 8 26 | 16 36 | 6 55 |
| M16 | 20 1 | 20 47 | 1 2 | 22 36 | 0 9 | 4 43 | 0 42 | 20 48 | 2 46 | 10 32 | 1 20 | 21 9 | 1 22 | 20 46 | 0 33 | 1 30 | 1 29 | 1 3 | 15 45 | 23 9 | 23 1 | 8 23 | 16 36 | 6 55 |
| T 17 | 19 49 | 23 26 | 0s10 | 22 38 | 0n 3 | 4 16 | 0 49 | 20 54 | 2 47 | 10 34 | 1 20 | 21 9 | 1 22 | 20 46 | 0 33 | 1 30 | 1 29 | 1 4 | 15 45 | 23 9 | 23 1 | 8 20 | 16 37 | 6 55 |
| W18 | 19 36 | 24 47 | 1 23 | 22 37 | 0 16 | 3 48 | 0 56 | 21 0 | 2 47 | 10 36 | 1 20 | 21 8 | 1 22 | 20 45 | 0 33 | 1 30 | 1 29 | 1 4 | 15 46 | 23 9 | 23 0 | 8 18 | 16 37 | 6 54 |
| T 19 | 19 22 | 24 35 | 2 34 | 22 33 | 0 27 | 3 21 | 1 3 | 21 6 | 2 47 | 10 38 | 1 21 | 21 8 | 1 21 | 20 44 | 0 33 | 1 31 | 1 30 | 1 4 | 15 46 | 23 9 | 23 0 | 8 15 | 16 37 | 6 54 |
| F 20 | 19 9 | 22 44 | 3 36 | 22 27 | 0 38 | 2 53 | 1 10 | 21 13 | 2 47 | 10 41 | 1 21 | 21 8 | 1 21 | 20 43 | 0 33 | 1 31 | 1 30 | 1 4 | 15 46 | 23 8 | 23 0 | 8 12 | 16 38 | 6 54 |
| S 21 | 18 55 | 19 18 | 4 25 | 22 19 | 0 48 | 2 26 | 1 17 | 21 19 | 2 47 | 10 43 | 1 21 | 21 8 | 1 21 | 20 42 | 0 33 | 1 31 | 1 30 | 1 4 | 15 47 | 23 8 | 23 0 | 8 9 | 16 38 | 6 53 |
| S 22 | 18 40 | 14 37 | 4 56 | 22 8 | 0 58 | 1 59 | 1 25 | 21 25 | 2 47 | 10 45 | 1 21 | 21 8 | 1 21 | 20 42 | 0 33 | 1 32 | 1 30 | 1 5 | 15 47 | 23 7 | 22 59 | 8 7 | 16 38 | 6 53 |
| M23 | 18 26 | 9 3 | 5 7 | 21 54 | 1 6 | 1 32 | 1 32 | 21 32 | 2 47 | 10 48 | 1 21 | 21 8 | 1 21 | 20 41 | 0 33 | 1 32 | 1 30 | 1 5 | 15 47 | 23 7 | 22 59 | 8 4 | 16 38 | 6 53 |
| T 24 | 18 11 | 3 2 | 4 58 | 21 37 | 1 14 | 1 5 | 1 40 | 21 38 | 2 47 | 10 50 | 1 22 | 21 8 | 1 20 | 20 40 | 0 33 | 1 33 | 1 30 | 1 5 | 15 48 | 23 6 | 22 59 | 8 1 | 16 39 | 6 53 |
| W25 | 17 55 | 3n 3 | 4 29 | 21 18 | 1 21 | 0 38 | 1 48 | 21 45 | 2 47 | 10 53 | 1 22 | 21 8 | 1 20 | 20 39 | 0 33 | 1 33 | 1 30 | 1 5 | 15 48 | 23 6 | 22 58 | 7 59 | 16 39 | 6 52 |
| T 26 | 17 40 | 8 51 | 3 45 | 20 56 | 1 27 | 0 11 | 1 56 | 21 51 | 2 47 | 10 55 | 1 22 | 21 8 | 1 20 | 20 39 | 0 33 | 1 33 | 1 30 | 1 6 | 15 48 | 23 6 | 22 58 | 7 56 | 16 39 | 6 52 |
| F 27 | 17 24 | 14 5 | 2 48 | 20 32 | 1 32 | 0s15 | 2 4 | 21 58 | 2 47 | 10 58 | 1 22 | 21 8 | 1 20 | 20 38 | 0 33 | 1 34 | 1 30 | 1 6 | 15 48 | 23 6 | 22 58 | 7 53 | 16 40 | 6 52 |
| S 28 | 17 8 | 18 29 | 1 44 | 20 5 | 1 36 | 0 41 | 2 12 | 22 4 | 2 47 | 11 1 | 1 23 | 21 8 | 1 20 | 20 37 | 0 33 | 1 34 | 1 30 | 1 6 | 15 49 | 23 6 | 22 58 | 7 50 | 16 40 | 6 51 |
| S 29 | 16 52 | 21 51 | 0 35 | 19 36 | 1 40 | 1 8 | 2 20 | 22 11 | 2 47 | 11 3 | 1 23 | 21 8 | 1 19 | 20 36 | 0 33 | 1 35 | 1 30 | 1 6 | 15 49 | 23 6 | 22 57 | 7 48 | 16 40 | 6 51 |
| M30 | 16 35 | 24 2 | 0n34 | 19 5 | 1 42 | 1 34 | 2 29 | 22 17 | 2 47 | 11 6 | 1 23 | 21 8 | 1 19 | 20 35 | 0 33 | 1 35 | 1 30 | 1 7 | 15 49 | 23 6 | 22 57 | 7 45 | 16 41 | 6 50 |
| T 31 | 16n18 | 24n55 | 1n41 | 18n33 | 1n44 | 1s59 | 2s38 | 22s24 | 2s47 | 11s 9 | 1s23 | 21s 9 | 1n19 | 20n35 | 0n33 | 1s36 | 1s30 | 1s 7 | 15s50 | 23n 6 | 22n57 | 7n42 | 16s41 | 6n50 |

Julian Day Number = 2221266.5, Delta T = 08m40s
Ecliptic obliquity = 23°31'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'44, Lahiri = 15°03'44 Julian Calendar 1 July 1369 == Greg. Calendar 9 July 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## AUGUST 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 10 32 | 16♌16'08 | 21♋ 3 | 15♌20 | 29♍41 | 28♏ 5 | 4°R29 | 13°R 6 | 0♌55 | 29°R26 | 6°R54 | 19°R19 | 17♊36 | 22♍35 | 29°R58 | W 1 |
| T 2 | 21 14 29 | 17°13'54 | 3♌23 | 17°21 | 0♎24 | 28°34 | 4♓22 | 13♐ 5 | 0°58 | 29♓25 | 6♉54 | 19♊13 | 17°32 | 22°42 | 29♐56 | T 2 |
| F 3 | 21 18 25 | 18°11'42 | 15°35 | 19°20 | 1° 6 | 29° 4 | 4°14 | 13° 4 | 1° 2 | 29°24 | 6°54 | 19° 4 | 17°29 | 22°48 | 29°54 | F 3 |
| S 4 | 21 22 22 | 19° 9'30 | 27°40 | 21°19 | 1°47 | 29°34 | 4° 7 | 13° 4 | 1° 6 | 29°23 | 6°54 | 18°53 | 17°26 | 22°55 | 29°52 | S 4 |
| S 5 | 21 26 18 | 20° 7'21 | 9♍38 | 23°16 | 2°27 | 0♐ 4 | 4° 0 | 13° 3 | 1° 9 | 29°22 | 6°54 | 18°41 | 17°23 | 23° 2 | 29°50 | S 5 |
| M 6 | 21 30 15 | 21° 5'12 | 21°32 | 25°12 | 3° 6 | 0°35 | 3°52 | 13° 3 | 1°13 | 29°20 | 6°54 | 18°30 | 17°20 | 23° 8 | 29°48 | M 6 |
| T 7 | 21 34 12 | 22° 3'05 | 3♎23 | 27° 7 | 3°44 | 1° 6 | 3°44 | 13° 3 | 1°16 | 29°19 | 6°54 | 18°20 | 17°17 | 23°15 | 29°47 | T 7 |
| W 8 | 21 38 8 | 23° 0'59 | 15°14 | 29° 0 | 4°20 | 1°37 | 3°37 | 13° 2 | 1°20 | 29°18 | 6°53 | 18°12 | 17°13 | 23°22 | 29°45 | W 8 |
| T 9 | 21 42 5 | 23°58'55 | 27° 8 | 0♍52 | 4°56 | 2° 9 | 3°29 | 13°D 2 | 1°23 | 29°17 | 6°53 | 18° 6 | 17°10 | 23°29 | 29°44 | T 9 |
| F 10 | 21 46 1 | 24°56'52 | 9♏ 9 | 2°43 | 5°30 | 2°41 | 3°21 | 13° 2 | 1°27 | 29°15 | 6°53 | 18° 3 | 17° 7 | 23°35 | 29°42 | F 10 |
| S 11 | 21 49 58 | 25°54'50 | 21°22 | 4°33 | 6° 2 | 3°13 | 3°14 | 13° 2 | 1°30 | 29°14 | 6°53 | 18°D 1 | 17° 4 | 23°42 | 29°41 | S 11 |
| S 12 | 21 53 54 | 26°52'50 | 3♐51 | 6°22 | 6°34 | 3°46 | 3° 6 | 13° 3 | 1°34 | 29°13 | 6°52 | 18° 1 | 17° 1 | 23°49 | 29°40 | S 12 |
| M13 | 21 57 51 | 27°50'51 | 16°42 | 8° 9 | 7° 4 | 4°19 | 2°58 | 13° 3 | 1°37 | 29°11 | 6°52 | 18°R 2 | 16°58 | 23°56 | 29°39 | M13 |
| T 14 | 22 1 47 | 28°48'54 | 29°58 | 9°55 | 7°32 | 4°52 | 2°50 | 13° 3 | 1°40 | 29°10 | 6°52 | 18° 1 | 16°54 | 24° 2 | 29°37 | T 14 |
| W15 | 22 5 44 | 29°46'58 | 13♑44 | 11°39 | 7°59 | 5°26 | 2°42 | 13° 4 | 1°44 | 29° 9 | 6°51 | 17°59 | 16°51 | 24° 9 | 29°36 | W15 |
| T 16 | 22 9 41 | 0♍45'03 | 27°58 | 13°23 | 8°24 | 5°59 | 2°34 | 13° 4 | 1°47 | 29° 7 | 6°51 | 17°54 | 16°48 | 24°16 | 29°36 | T 16 |
| F 17 | 22 13 37 | 1°43'10 | 12♒40 | 15° 5 | 8°48 | 6°33 | 2°26 | 13° 5 | 1°50 | 29° 6 | 6°51 | 17°47 | 16°45 | 24°22 | 29°35 | F 17 |
| S 18 | 22 17 34 | 2°41'19 | 27°43 | 16°45 | 9°10 | 7° 7 | 2°18 | 13° 6 | 1°54 | 29° 4 | 6°50 | 17°37 | 16°42 | 24°29 | 29°34 | S 18 |
| S 19 | 22 21 30 | 3°39'29 | 12♓57 | 18°25 | 9°30 | 7°42 | 2°10 | 13° 7 | 1°57 | 29° 3 | 6°50 | 17°27 | 16°38 | 24°36 | 29°33 | S 19 |
| M20 | 22 25 27 | 4°37'41 | 28°12 | 20° 4 | 9°49 | 8°17 | 2° 2 | 13° 8 | 2° 0 | 29° 1 | 6°50 | 17°17 | 16°35 | 24°43 | 29°32 | M20 |
| T 21 | 22 29 23 | 5°35'55 | 13♈17 | 21°41 | 10° 5 | 8°52 | 1°54 | 13° 9 | 2° 4 | 29° 0 | 6°49 | 17° 8 | 16°32 | 24°49 | 29°32 | T 21 |
| W22 | 22 33 20 | 6°34'11 | 28° 3 | 23°17 | 10°19 | 9°27 | 1°47 | 13°10 | 2° 7 | 28°58 | 6°49 | 17° 1 | 16°29 | 24°56 | 29°31 | W22 |
| T 23 | 22 37 16 | 7°32'29 | 12♉25 | 24°52 | 10°32 | 10° 2 | 1°39 | 13°11 | 2°10 | 28°57 | 6°48 | 16°57 | 16°26 | 25° 3 | 29°31 | T 23 |
| F 24 | 22 41 13 | 8°30'49 | 26°19 | 26°26 | 10°42 | 10°38 | 1°31 | 13°13 | 2°13 | 28°55 | 6°48 | 16°55 | 16°23 | 25° 9 | 29°31 | F 24 |
| S 25 | 22 45 10 | 9°29'11 | 9♊48 | 27°59 | 10°50 | 11°14 | 1°23 | 13°14 | 2°16 | 28°54 | 6°47 | 16°55 | 16°19 | 25°16 | 29°30 | S 25 |
| S 26 | 22 49 6 | 10°27'36 | 22°54 | 29°30 | 10°57 | 11°50 | 1°15 | 13°16 | 2°19 | 28°52 | 6°47 | 16°54 | 16°16 | 25°23 | 29°30 | S 26 |
| M27 | 22 53 3 | 11°26'03 | 5♋39 | 1♎ 1 | 11° 0 | 12°27 | 1° 8 | 13°17 | 2°23 | 28°51 | 6°46 | 16°54 | 16°13 | 25°30 | 29°D30 | M27 |
| T 28 | 22 56 59 | 12°24'32 | 18° 9 | 2°30 | 11°R 2 | 13° 3 | 1° 0 | 13°19 | 2°26 | 28°49 | 6°45 | 16°51 | 16°10 | 25°36 | 29°30 | T 28 |
| W29 | 23 0 56 | 13°23'03 | 0♌27 | 3°58 | 11° 1 | 13°40 | 0°52 | 13°21 | 2°29 | 28°48 | 6°45 | 16°45 | 16° 7 | 25°43 | 29°30 | W29 |
| T 30 | 23 4 52 | 14°21'36 | 12°36 | 5°26 | 10°58 | 14°17 | 0°45 | 13°23 | 2°32 | 28°46 | 6°44 | 16°36 | 16° 3 | 25°50 | 29°31 | T 30 |
| F 31 | 23 8 49 | 15♍20'11 | 24♌37 | 6♎51 | 10♎53 | 14♐54 | 0♓37 | 13♐25 | 2♌35 | 28♓44 | 6♉44 | 16♊25 | 16♊ 0 | 25♍57 | 29♐31 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n 1 | 24n31 | 2n41 | 17n58 | 1n46 | 2s25 | 2s46 | 22s30 | 2s46 | 11s12 | 1s23 | 21s 9 | 1n19 | 20n34 | 0n33 | 1s36 | 1s30 | 1s 7 | 15s50 | 23n 5 | 22n56 | 7n39 | 16s42 | 6n50 |
| T 2 | 15 43 | 22 54 | 3 32 | 17 22 | 1 46 | 2 50 | 2 55 | 22 37 | 2 46 | 11 14 | 1 23 | 21 9 | 1 19 | 20 33 | 0 33 | 1 37 | 1 30 | 1 8 | 15 50 | 23 5 | 22 56 | 7 37 | 16 42 | 6 49 |
| F 3 | 15 26 | 20 15 | 4 13 | 16 45 | 1 46 | 3 15 | 3 4 | 22 43 | 2 46 | 11 17 | 1 24 | 21 9 | 1 19 | 20 32 | 0 33 | 1 37 | 1 30 | 1 8 | 15 51 | 23 4 | 22 56 | 7 34 | 16 42 | 6 49 |
| S 4 | 15 8 | 16 45 | 4 43 | 16 6 | 1 45 | 3 40 | 3 13 | 22 50 | 2 46 | 11 20 | 1 24 | 21 9 | 1 18 | 20 32 | 0 33 | 1 38 | 1 30 | 1 8 | 15 51 | 23 3 | 22 56 | 7 31 | 16 43 | 6 49 |
| S 5 | 14 50 | 12 36 | 4 59 | 15 27 | 1 44 | 4 4 | 3 22 | 22 56 | 2 46 | 11 23 | 1 24 | 21 9 | 1 18 | 20 31 | 0 33 | 1 38 | 1 30 | 1 9 | 15 51 | 23 2 | 22 55 | 7 28 | 16 43 | 6 48 |
| M 6 | 14 31 | 8 0 | 5 2 | 14 46 | 1 42 | 4 28 | 3 32 | 23 2 | 2 45 | 11 26 | 1 24 | 21 9 | 1 18 | 20 30 | 0 33 | 1 39 | 1 30 | 1 9 | 15 51 | 23 1 | 22 55 | 7 26 | 16 44 | 6 48 |
| T 7 | 14 12 | 3 7 | 4 53 | 14 4 | 1 39 | 4 52 | 3 41 | 23 9 | 2 45 | 11 29 | 1 24 | 21 9 | 1 18 | 20 29 | 0 33 | 1 39 | 1 30 | 1 9 | 15 52 | 23 0 | 22 55 | 7 23 | 16 44 | 6 47 |
| W 8 | 13 54 | 1s52 | 4 30 | 13 22 | 1 36 | 5 15 | 3 50 | 23 15 | 2 45 | 11 32 | 1 24 | 21 10 | 1 18 | 20 28 | 0 33 | 1 40 | 1 30 | 1 10 | 15 52 | 23 0 | 22 54 | 7 20 | 16 44 | 6 47 |
| T 9 | 13 34 | 6 49 | 3 56 | 12 39 | 1 33 | 5 38 | 4 0 | 23 21 | 2 45 | 11 35 | 1 25 | 21 10 | 1 17 | 20 28 | 0 33 | 1 40 | 1 30 | 1 10 | 15 52 | 22 59 | 22 54 | 7 17 | 16 45 | 6 47 |
| F 10 | 13 15 | 11 35 | 3 11 | 11 55 | 1 29 | 6 0 | 4 10 | 23 27 | 2 44 | 11 38 | 1 25 | 21 10 | 1 17 | 20 27 | 0 33 | 1 41 | 1 31 | 1 10 | 15 53 | 22 59 | 22 54 | 7 15 | 16 45 | 6 46 |
| S 11 | 12 55 | 15 58 | 2 17 | 11 11 | 1 25 | 6 22 | 4 19 | 23 33 | 2 44 | 11 40 | 1 25 | 21 10 | 1 17 | 20 26 | 0 33 | 1 41 | 1 31 | 1 11 | 15 53 | 22 59 | 22 53 | 7 12 | 16 46 | 6 46 |
| S 12 | 12 36 | 19 46 | 1 15 | 10 27 | 1 20 | 6 44 | 4 29 | 23 39 | 2 44 | 11 43 | 1 25 | 21 10 | 1 17 | 20 25 | 0 33 | 1 42 | 1 31 | 1 11 | 15 53 | 22 59 | 22 53 | 7 9 | 16 46 | 6 45 |
| M13 | 12 16 | 22 44 | 0 7 | 9 42 | 1 15 | 7 5 | 4 39 | 23 45 | 2 43 | 11 46 | 1 25 | 21 11 | 1 17 | 20 25 | 0 33 | 1 43 | 1 31 | 1 11 | 15 53 | 22 59 | 22 53 | 7 6 | 16 46 | 6 45 |
| T 14 | 11 56 | 24 34 | 1s 3 | 8 57 | 1 10 | 7 25 | 4 49 | 23 51 | 2 43 | 11 49 | 1 25 | 21 11 | 1 16 | 20 24 | 0 33 | 1 43 | 1 31 | 1 12 | 15 54 | 22 59 | 22 52 | 7 4 | 16 47 | 6 44 |
| W15 | 11 35 | 25 0 | 2 12 | 8 12 | 1 4 | 7 45 | 4 59 | 23 57 | 2 43 | 11 52 | 1 25 | 21 11 | 1 16 | 20 23 | 0 34 | 1 44 | 1 31 | 1 12 | 15 54 | 22 59 | 22 52 | 7 1 | 16 47 | 6 44 |
| T 16 | 11 15 | 23 49 | 3 15 | 7 27 | 0 58 | 8 4 | 5 9 | 24 3 | 2 42 | 11 55 | 1 25 | 21 11 | 1 16 | 20 23 | 0 34 | 1 44 | 1 31 | 1 12 | 15 54 | 22 58 | 22 52 | 6 58 | 16 48 | 6 43 |
| F 17 | 10 54 | 21 0 | 4 7 | 6 42 | 0 52 | 8 23 | 5 19 | 24 8 | 2 42 | 11 58 | 1 25 | 21 12 | 1 16 | 20 22 | 0 34 | 1 45 | 1 31 | 1 13 | 15 55 | 22 57 | 22 52 | 6 55 | 16 48 | 6 43 |
| S 18 | 10 33 | 16 44 | 4 43 | 5 57 | 0 46 | 8 41 | 5 29 | 24 14 | 2 42 | 12 1 | 1 26 | 21 12 | 1 16 | 20 21 | 0 34 | 1 45 | 1 31 | 1 13 | 15 55 | 22 57 | 22 51 | 6 52 | 16 49 | 6 43 |
| S 19 | 10 12 | 11 20 | 5 0 | 5 12 | 0 39 | 8 58 | 5 39 | 24 19 | 2 41 | 12 4 | 1 26 | 21 12 | 1 15 | 20 20 | 0 34 | 1 46 | 1 31 | 1 14 | 15 55 | 22 56 | 22 51 | 6 50 | 16 49 | 6 42 |
| M20 | 9 51 | 5 14 | 4 55 | 4 27 | 0 32 | 9 15 | 5 49 | 24 24 | 2 41 | 12 7 | 1 26 | 21 13 | 1 15 | 20 20 | 0 34 | 1 47 | 1 31 | 1 14 | 15 55 | 22 55 | 22 51 | 6 47 | 16 50 | 6 42 |
| T 21 | 9 29 | 1n 7 | 4 30 | 3 42 | 0 25 | 9 30 | 5 59 | 24 30 | 2 40 | 12 10 | 1 26 | 21 13 | 1 15 | 20 19 | 0 34 | 1 47 | 1 31 | 1 14 | 15 56 | 22 54 | 22 50 | 6 44 | 16 50 | 6 41 |
| W22 | 9 8 | 7 16 | 3 48 | 2 57 | 0 18 | 9 45 | 6 9 | 24 35 | 2 40 | 12 13 | 1 26 | 21 13 | 1 15 | 20 18 | 0 34 | 1 48 | 1 31 | 1 15 | 15 56 | 22 53 | 22 50 | 6 41 | 16 51 | 6 41 |
| T 23 | 8 46 | 12 53 | 2 51 | 2 13 | 0 11 | 9 59 | 6 19 | 24 39 | 2 39 | 12 16 | 1 26 | 21 14 | 1 15 | 20 18 | 0 34 | 1 49 | 1 31 | 1 15 | 15 56 | 22 53 | 22 50 | 6 38 | 16 51 | 6 40 |
| F 24 | 8 24 | 17 40 | 1 47 | 1 28 | 0 3 | 10 12 | 6 29 | 24 44 | 2 39 | 12 19 | 1 26 | 21 14 | 1 14 | 20 17 | 0 34 | 1 49 | 1 31 | 1 16 | 15 56 | 22 53 | 22 49 | 6 36 | 16 51 | 6 40 |
| S 25 | 8 2 | 21 23 | 0 37 | 0 45 | 0s 4 | 10 24 | 6 38 | 24 49 | 2 38 | 12 21 | 1 26 | 21 14 | 1 14 | 20 16 | 0 34 | 1 50 | 1 31 | 1 16 | 15 57 | 22 53 | 22 49 | 6 33 | 16 52 | 6 39 |
| S 26 | 7 40 | 23 51 | 0n32 | 0 1 | 0 12 | 10 35 | 6 48 | 24 53 | 2 38 | 12 24 | 1 26 | 21 15 | 1 14 | 20 15 | 0 34 | 1 50 | 1 31 | 1 16 | 15 57 | 22 53 | 22 49 | 6 30 | 16 52 | 6 39 |
| M27 | 7 18 | 25 1 | 1 37 | 0s42 | 0 20 | 10 45 | 6 57 | 24 58 | 2 37 | 12 27 | 1 26 | 21 15 | 1 14 | 20 15 | 0 34 | 1 51 | 1 31 | 1 17 | 15 57 | 22 52 | 22 48 | 6 27 | 16 53 | 6 38 |
| T 28 | 6 56 | 24 53 | 2 37 | 1 25 | 0 27 | 10 54 | 7 6 | 25 2 | 2 37 | 12 30 | 1 26 | 21 15 | 1 14 | 20 14 | 0 34 | 1 52 | 1 31 | 1 17 | 15 58 | 22 52 | 22 48 | 6 24 | 16 53 | 6 38 |
| W29 | 6 33 | 23 30 | 3 28 | 2 7 | 0 35 | 11 2 | 7 15 | 25 6 | 2 36 | 12 32 | 1 26 | 21 16 | 1 13 | 20 13 | 0 34 | 1 52 | 1 31 | 1 18 | 15 58 | 22 52 | 22 48 | 6 22 | 16 54 | 6 37 |
| T 30 | 6 11 | 21 4 | 4 9 | 2 49 | 0 43 | 11 8 | 7 23 | 25 10 | 2 36 | 12 35 | 1 26 | 21 16 | 1 13 | 20 13 | 0 34 | 1 53 | 1 31 | 1 18 | 15 58 | 22 51 | 22 47 | 6 19 | 16 54 | 6 37 |
| F 31 | 5n48 | 17n43 | 4n38 | 3s31 | 0s51 | 11s14 | 7s31 | 25s14 | 2s35 | 12s38 | 1s26 | 21s17 | 1n13 | 20n12 | 0n34 | 1s54 | 1s31 | 1s19 | 15s58 | 22n50 | 22n47 | 6n16 | 16s55 | 6n36 |

Julian Day Number = 2221297.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'48, Lahiri = 15°03'49 Julian Calendar 1 Aug. 1369 == Greg. Calendar 9 Aug. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## SEPTEMBER 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 12 45 | 16♍18'48 | 6♍34 | 8♎16 | 10°R45 | 15♐32 | 0°R30 | 13♐27 | 2♌37 | 28°R43 | 6°R43 | 16°R12 | 15♊57 | 26♍ 3 | 29♐31 | S 1 |
| S 2 | 23 16 42 | 17°17'28 | 18°28 | 9°40 | 10♎35 | 16° 9 | 0♓23 | 13°29 | 2°40 | 28♓41 | 6♉42 | 15♊57 | 15°54 | 26°10 | 29°32 | S 2 |
| M 3 | 23 20 39 | 18°16'09 | 0♎20 | 11° 2 | 10°23 | 16°47 | 0°16 | 13°31 | 2°43 | 28°39 | 6°42 | 15°43 | 15°51 | 26°17 | 29°32 | M 3 |
| T 4 | 23 24 35 | 19°14'52 | 12°11 | 12°23 | 10° 8 | 17°25 | 0° 8 | 13°34 | 2°46 | 28°38 | 6°41 | 15°30 | 15°48 | 26°23 | 29°33 | T 4 |
| W 5 | 23 28 32 | 20°13'37 | 24° 4 | 13°43 | 9°51 | 18° 4 | 0° 1 | 13°36 | 2°49 | 28°36 | 6°40 | 15°19 | 15°44 | 26°30 | 29°33 | W 5 |
| T 6 | 23 32 28 | 21°12'24 | 6♏ 0 | 15° 2 | 9°31 | 18°42 | 29♒54 | 13°39 | 2°52 | 28°35 | 6°39 | 15°11 | 15°41 | 26°37 | 29°34 | T 6 |
| F 7 | 23 36 25 | 22°11'12 | 18° 2 | 16°19 | 9° 9 | 19°21 | 29°48 | 13°41 | 2°54 | 28°33 | 6°39 | 15° 6 | 15°38 | 26°44 | 29°35 | F 7 |
| S 8 | 23 40 21 | 23°10'03 | 0♐15 | 17°34 | 8°46 | 19°59 | 29°41 | 13°44 | 2°57 | 28°31 | 6°38 | 15° 3 | 15°35 | 26°50 | 29°36 | S 8 |
| S 9 | 23 44 18 | 24° 8'55 | 12°42 | 18°48 | 8°20 | 20°38 | 29°34 | 13°47 | 3° 0 | 28°30 | 6°37 | 15°D 3 | 15°32 | 26°57 | 29°37 | S 9 |
| M10 | 23 48 14 | 25° 7'49 | 25°28 | 20° 1 | 7°52 | 21°18 | 29°28 | 13°50 | 3° 2 | 28°28 | 6°36 | 15°R 3 | 15°29 | 27° 4 | 29°38 | M10 |
| T 11 | 23 52 11 | 26° 6'45 | 8♑38 | 21°11 | 7°22 | 21°57 | 29°22 | 13°53 | 3° 5 | 28°26 | 6°36 | 15° 2 | 15°25 | 27°10 | 29°39 | T 11 |
| W12 | 23 56 7 | 27° 5'43 | 22°15 | 22°20 | 6°51 | 22°36 | 29°16 | 13°56 | 3° 7 | 28°25 | 6°35 | 15° 0 | 15°22 | 27°17 | 29°40 | W12 |
| T 13 | 0 0 4 | 28° 4'43 | 6♒22 | 23°27 | 6°18 | 23°16 | 29°10 | 13°59 | 3°10 | 28°23 | 6°34 | 14°56 | 15°19 | 27°24 | 29°42 | T 13 |
| F 14 | 0 4 1 | 29° 3'44 | 20°57 | 24°32 | 5°44 | 23°56 | 29° 4 | 14° 3 | 3°12 | 28°21 | 6°33 | 14°49 | 15°16 | 27°31 | 29°43 | F 14 |
| S 15 | 0 7 57 | 0♎ 2'47 | 5♓57 | 25°34 | 5° 9 | 24°36 | 28°58 | 14° 6 | 3°15 | 28°20 | 6°32 | 14°40 | 15°13 | 27°37 | 29°44 | S 15 |
| S 16 | 0 11 54 | 1° 1'52 | 21°13 | 26°34 | 4°33 | 25°16 | 28°52 | 14° 9 | 3°17 | 28°18 | 6°31 | 14°29 | 15° 9 | 27°44 | 29°46 | S 16 |
| M17 | 0 15 50 | 2° 0'58 | 6♈34 | 27°32 | 3°57 | 25°56 | 28°47 | 14°13 | 3°19 | 28°16 | 6°30 | 14°19 | 15° 6 | 27°51 | 29°48 | M17 |
| T 18 | 0 19 47 | 3° 0'07 | 21°49 | 28°26 | 3°20 | 26°36 | 28°42 | 14°17 | 3°22 | 28°15 | 6°29 | 14°10 | 15° 3 | 27°57 | 29°49 | T 18 |
| W19 | 0 23 43 | 3°59'18 | 6♉48 | 29°18 | 2°43 | 27°17 | 28°36 | 14°20 | 3°24 | 28°13 | 6°29 | 14° 3 | 15° 0 | 28° 4 | 29°51 | W19 |
| T 20 | 0 27 40 | 4°58'32 | 21°21 | 0♏ 6 | 2° 7 | 27°57 | 28°31 | 14°24 | 3°26 | 28°11 | 6°28 | 13°58 | 14°57 | 28°11 | 29°53 | T 20 |
| F 21 | 0 31 36 | 5°57'48 | 5♊27 | 0°50 | 1°30 | 28°38 | 28°27 | 14°28 | 3°28 | 28°10 | 6°27 | 13°57 | 14°54 | 28°18 | 29°55 | F 21 |
| S 22 | 0 35 33 | 6°57'06 | 19° 3 | 1°30 | 0°55 | 29°19 | 28°22 | 14°32 | 3°30 | 28° 8 | 6°26 | 13°D56 | 14°50 | 28°24 | 29°57 | S 22 |
| S 23 | 0 39 30 | 7°56'27 | 2♋12 | 2° 5 | 0°20 | 0♑ 0 | 28°18 | 14°36 | 3°33 | 28° 6 | 6°25 | 13°R57 | 14°47 | 28°31 | 29°59 | S 23 |
| M24 | 0 43 26 | 8°55'50 | 14°58 | 2°36 | 29♍46 | 0°41 | 28°13 | 14°40 | 3°35 | 28° 5 | 6°24 | 13°57 | 14°44 | 28°38 | 0♑ 1 | M24 |
| T 25 | 0 47 23 | 9°55'15 | 27°26 | 3° 2 | 29°14 | 1°22 | 28° 9 | 14°44 | 3°37 | 28° 3 | 6°23 | 13°55 | 14°41 | 28°45 | 0° 3 | T 25 |
| W26 | 0 51 19 | 10°54'42 | 9♌38 | 3°21 | 28°43 | 2° 4 | 28° 5 | 14°48 | 3°39 | 28° 1 | 6°22 | 13°51 | 14°38 | 28°51 | 0° 6 | W26 |
| T 27 | 0 55 16 | 11°54'12 | 21°41 | 3°34 | 28°14 | 2°45 | 28° 2 | 14°53 | 3°40 | 28° 0 | 6°21 | 13°45 | 14°35 | 28°58 | 0° 8 | T 27 |
| F 28 | 0 59 12 | 12°53'44 | 3♍37 | 3°R40 | 27°46 | 3°27 | 27°58 | 14°57 | 3°42 | 27°58 | 6°20 | 13°36 | 14°31 | 29° 5 | 0°11 | F 28 |
| S 29 | 1 3 9 | 13°53'19 | 15°30 | 3°39 | 27°21 | 4° 9 | 27°55 | 15° 1 | 3°44 | 27°57 | 6°19 | 13°25 | 14°28 | 29°11 | 0°13 | S 29 |
| S 30 | 1 7 5 | 14♎52'55 | 27♍21 | 3♏30 | 26♍58 | 4♑51 | 27♒51 | 15♐ 6 | 3♌46 | 27♓55 | 6♉18 | 13♊14 | 14♊25 | 29♍18 | 0♑16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n25 | 13n41 | 4n55 | 4s11 | 0s59 | 11s18 | 7s39 | 25s18 | 2s34 | 12s40 | 1s26 | 21s17 | 1n13 | 20n11 | 0n34 | 1s54 | 1s31 | 1s19 | 15s58 | 22n48 | 22n47 | 6n13 | 16s55 | 6n36 |
| S 2 | 5 2 | 9 9 | 4 59 | 4 52 | 1 7 | 11 21 | 7 47 | 25 21 | 2 34 | 12 43 | 1 26 | 21 18 | 1 13 | 20 11 | 0 34 | 1 55 | 1 31 | 1 19 | 15 59 | 22 47 | 22 46 | 6 10 | 16 56 | 6 35 |
| M 3 | 4 39 | 4 18 | 4 50 | 5 31 | 1 15 | 11 22 | 7 54 | 25 24 | 2 33 | 12 46 | 1 26 | 21 18 | 1 13 | 20 10 | 0 34 | 1 56 | 1 31 | 1 20 | 15 59 | 22 45 | 22 46 | 6 7 | 16 56 | 6 35 |
| T 4 | 4 16 | 0s43 | 4 28 | 6 10 | 1 22 | 11 22 | 8 0 | 25 27 | 2 33 | 12 48 | 1 26 | 21 19 | 1 12 | 20 10 | 0 34 | 1 56 | 1 31 | 1 20 | 15 59 | 22 44 | 22 46 | 6 5 | 16 57 | 6 34 |
| W 5 | 3 53 | 5 44 | 3 54 | 6 49 | 1 30 | 11 21 | 8 6 | 25 30 | 2 32 | 12 50 | 1 26 | 21 19 | 1 12 | 20 9 | 0 34 | 1 57 | 1 31 | 1 21 | 15 59 | 22 43 | 22 45 | 6 2 | 16 57 | 6 34 |
| T 6 | 3 30 | 10 34 | 3 11 | 7 27 | 1 38 | 11 18 | 8 11 | 25 33 | 2 31 | 12 53 | 1 26 | 21 20 | 1 12 | 20 8 | 0 34 | 1 58 | 1 31 | 1 21 | 16 0 | 22 42 | 22 45 | 5 59 | 16 58 | 6 34 |
| F 7 | 3 7 | 15 4 | 2 18 | 8 3 | 1 46 | 11 14 | 8 16 | 25 36 | 2 31 | 12 55 | 1 26 | 21 20 | 1 12 | 20 8 | 0 34 | 1 58 | 1 31 | 1 22 | 16 0 | 22 41 | 22 45 | 5 56 | 16 58 | 6 33 |
| S 8 | 2 43 | 19 1 | 1 17 | 8 40 | 1 53 | 11 8 | 8 20 | 25 38 | 2 30 | 12 58 | 1 26 | 21 21 | 1 12 | 20 7 | 0 34 | 1 59 | 1 31 | 1 22 | 16 0 | 22 41 | 22 44 | 5 53 | 16 59 | 6 33 |
| S 9 | 2 20 | 22 12 | 0 12 | 9 15 | 2 1 | 11 1 | 8 23 | 25 40 | 2 29 | 13 0 | 1 26 | 21 21 | 1 11 | 20 7 | 0 34 | 2 0 | 1 31 | 1 22 | 16 0 | 22 41 | 22 44 | 5 50 | 16 59 | 6 32 |
| M10 | 1 56 | 24 22 | 0s55 | 9 49 | 2 8 | 10 52 | 8 26 | 25 43 | 2 29 | 13 2 | 1 26 | 21 22 | 1 11 | 20 6 | 0 34 | 2 0 | 1 31 | 1 23 | 16 0 | 22 41 | 22 44 | 5 48 | 17 0 | 6 32 |
| T 11 | 1 33 | 25 16 | 2 1 | 10 23 | 2 15 | 10 42 | 8 28 | 25 44 | 2 28 | 13 4 | 1 25 | 21 22 | 1 11 | 20 5 | 0 34 | 2 1 | 1 31 | 1 23 | 16 1 | 22 41 | 22 43 | 5 45 | 17 0 | 6 31 |
| W12 | 1 10 | 24 41 | 3 3 | 10 55 | 2 22 | 10 30 | 8 29 | 25 46 | 2 27 | 13 6 | 1 25 | 21 23 | 1 11 | 20 5 | 0 34 | 2 2 | 1 31 | 1 24 | 16 1 | 22 41 | 22 43 | 5 42 | 17 1 | 6 31 |
| T 13 | 0 46 | 22 33 | 3 56 | 11 26 | 2 29 | 10 17 | 8 29 | 25 48 | 2 27 | 13 8 | 1 25 | 21 23 | 1 11 | 20 4 | 0 34 | 2 2 | 1 31 | 1 24 | 16 1 | 22 40 | 22 43 | 5 39 | 17 1 | 6 30 |
| F 14 | 0 22 | 18 55 | 4 36 | 11 57 | 2 35 | 10 3 | 8 28 | 25 49 | 2 26 | 13 10 | 1 25 | 21 24 | 1 11 | 20 4 | 0 34 | 2 3 | 1 31 | 1 25 | 16 1 | 22 39 | 22 42 | 5 36 | 17 2 | 6 30 |
| S 15 | 0s 1 | 13 58 | 4 58 | 12 26 | 2 42 | 9 47 | 8 26 | 25 50 | 2 25 | 13 12 | 1 25 | 21 24 | 1 10 | 20 3 | 0 34 | 2 4 | 1 31 | 1 25 | 16 1 | 22 38 | 22 42 | 5 33 | 17 2 | 6 29 |
| S 16 | 0 25 | 8 4 | 4 59 | 12 53 | 2 48 | 9 30 | 8 23 | 25 51 | 2 25 | 13 14 | 1 25 | 21 25 | 1 10 | 20 3 | 0 34 | 2 4 | 1 31 | 1 25 | 16 2 | 22 37 | 22 42 | 5 31 | 17 3 | 6 29 |
| M17 | 0 48 | 1 39 | 4 39 | 13 19 | 2 53 | 9 12 | 8 20 | 25 51 | 2 24 | 13 16 | 1 25 | 21 26 | 1 10 | 20 2 | 0 34 | 2 5 | 1 31 | 1 26 | 16 2 | 22 36 | 22 41 | 5 28 | 17 3 | 6 28 |
| T 18 | 1 12 | 4n50 | 3 59 | 13 44 | 2 59 | 8 53 | 8 15 | 25 52 | 2 23 | 13 18 | 1 25 | 21 26 | 1 10 | 20 2 | 0 34 | 2 6 | 1 31 | 1 26 | 16 2 | 22 35 | 22 41 | 5 25 | 17 4 | 6 28 |
| W19 | 1 35 | 10 56 | 3 3 | 14 7 | 3 4 | 8 34 | 8 9 | 25 52 | 2 22 | 13 19 | 1 25 | 21 27 | 1 10 | 20 1 | 0 34 | 2 6 | 1 31 | 1 27 | 16 2 | 22 34 | 22 40 | 5 22 | 17 4 | 6 27 |
| T 20 | 1 59 | 16 17 | 1 57 | 14 28 | 3 8 | 8 13 | 8 3 | 25 52 | 2 22 | 13 21 | 1 25 | 21 27 | 1 9 | 20 1 | 0 34 | 2 7 | 1 31 | 1 27 | 16 2 | 22 33 | 22 40 | 5 19 | 17 5 | 6 27 |
| F 21 | 2 23 | 20 33 | 0 45 | 14 48 | 3 12 | 7 52 | 7 56 | 25 52 | 2 21 | 13 23 | 1 24 | 21 28 | 1 9 | 20 0 | 0 35 | 2 8 | 1 31 | 1 28 | 16 2 | 22 33 | 22 40 | 5 16 | 17 5 | 6 26 |
| S 22 | 2 46 | 23 31 | 0n27 | 15 5 | 3 15 | 7 30 | 7 48 | 25 51 | 2 20 | 13 24 | 1 24 | 21 29 | 1 9 | 20 0 | 0 35 | 2 8 | 1 31 | 1 28 | 16 3 | 22 33 | 22 39 | 5 13 | 17 5 | 6 26 |
| S 23 | 3 10 | 25 6 | 1 36 | 15 20 | 3 18 | 7 8 | 7 39 | 25 50 | 2 19 | 13 25 | 1 24 | 21 29 | 1 9 | 19 59 | 0 35 | 2 9 | 1 31 | 1 28 | 16 3 | 22 33 | 22 39 | 5 10 | 17 6 | 6 25 |
| M24 | 3 33 | 25 17 | 2 37 | 15 33 | 3 20 | 6 46 | 7 29 | 25 50 | 2 18 | 13 27 | 1 24 | 21 30 | 1 9 | 19 59 | 0 35 | 2 10 | 1 31 | 1 29 | 16 3 | 22 33 | 22 39 | 5 8 | 17 6 | 6 25 |
| T 25 | 3 57 | 24 10 | 3 30 | 15 43 | 3 21 | 6 24 | 7 19 | 25 48 | 2 18 | 13 28 | 1 24 | 21 30 | 1 9 | 19 59 | 0 35 | 2 10 | 1 31 | 1 29 | 16 3 | 22 33 | 22 38 | 5 5 | 17 7 | 6 24 |
| W26 | 4 20 | 21 56 | 4 12 | 15 50 | 3 21 | 6 1 | 7 8 | 25 47 | 2 17 | 13 29 | 1 24 | 21 31 | 1 8 | 19 58 | 0 35 | 2 11 | 1 31 | 1 30 | 16 3 | 22 33 | 22 38 | 5 2 | 17 7 | 6 24 |
| T 27 | 4 43 | 18 46 | 4 42 | 15 53 | 3 21 | 5 39 | 6 56 | 25 45 | 2 16 | 13 31 | 1 24 | 21 32 | 1 8 | 19 58 | 0 35 | 2 12 | 1 31 | 1 30 | 16 3 | 22 32 | 22 38 | 4 59 | 17 8 | 6 24 |
| F 28 | 5 7 | 14 51 | 4 59 | 15 54 | 3 19 | 5 17 | 6 44 | 25 44 | 2 15 | 13 32 | 1 24 | 21 32 | 1 8 | 19 57 | 0 35 | 2 12 | 1 31 | 1 31 | 16 3 | 22 31 | 22 37 | 4 56 | 17 8 | 6 23 |
| S 29 | 5 30 | 10 23 | 5 3 | 15 50 | 3 16 | 4 55 | 6 31 | 25 42 | 2 14 | 13 33 | 1 23 | 21 33 | 1 8 | 19 57 | 0 35 | 2 13 | 1 31 | 1 31 | 16 3 | 22 29 | 22 37 | 4 53 | 17 9 | 6 23 |
| S 30 | 5s53 | 5n33 | 4n54 | 15s43 | 3s11 | 4s34 | 6s19 | 25s39 | 2s13 | 13s34 | 1s23 | 21s34 | 1n 8 | 19n57 | 0n35 | 2s14 | 1s31 | 1s31 | 16s 3 | 22n28 | 22n37 | 4n50 | 17s 9 | 6n22 |

Julian Day Number = 2221328.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'53, Lahiri = 15°03'53 Julian Calendar 1 Sept. 1369 == Greg. Calendar 9 Sept. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## OCTOBER 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 11 2 | 15♎52'33 | 9♎14 | 3°R13 | 26°R36 | 5♑33 | 27°R48 | 15♐11 | 3♌47 | 27°R53 | 6°R17 | 13°R 2 | 14♊22 | 29♍25 | 0♑18 | M 1 |
| T 2 | 1 14 59 | 16°52'14 | 21° 8 | 2♏47 | 26♍18 | 6°15 | 27♒46 | 15°15 | 3°49 | 27♓52 | 6♉16 | 12♊52 | 14°19 | 29°32 | 0°21 | T 2 |
| W 3 | 1 18 55 | 17°51'57 | 3♏ 6 | 2°13 | 26° 1 | 6°57 | 27°43 | 15°20 | 3°51 | 27°50 | 6°15 | 12°43 | 14°15 | 29°38 | 0°24 | W 3 |
| T 4 | 1 22 52 | 18°51'41 | 15°10 | 1°29 | 25°47 | 7°39 | 27°41 | 15°25 | 3°52 | 27°49 | 6°14 | 12°37 | 14°12 | 29°45 | 0°27 | T 4 |
| F 5 | 1 26 48 | 19°51'28 | 27°20 | 0°37 | 25°35 | 8°22 | 27°38 | 15°30 | 3°54 | 27°47 | 6°12 | 12°33 | 14° 9 | 29°52 | 0°30 | F 5 |
| S 6 | 1 30 45 | 20°51'16 | 9♐40 | 29♎38 | 25°26 | 9° 4 | 27°36 | 15°35 | 3°55 | 27°46 | 6°11 | 12°D32 | 14° 6 | 29°58 | 0°33 | S 6 |
| S 7 | 1 34 41 | 21°51'06 | 22°12 | 28°31 | 25°19 | 9°47 | 27°35 | 15°40 | 3°57 | 27°44 | 6°10 | 12°32 | 14° 3 | 0♎ 5 | 0°36 | S 7 |
| M 8 | 1 38 38 | 22°50'58 | 5♑ 1 | 27°20 | 25°15 | 10°30 | 27°33 | 15°45 | 3°58 | 27°43 | 6° 9 | 12°33 | 14° 0 | 0°12 | 0°39 | M 8 |
| T 9 | 1 42 34 | 23°50'52 | 18° 8 | 26° 5 | 25°D13 | 11°12 | 27°32 | 15°50 | 3°59 | 27°41 | 6° 8 | 12°R34 | 13°56 | 0°19 | 0°43 | T 9 |
| W10 | 1 46 31 | 24°50'48 | 1♒39 | 24°48 | 25°13 | 11°55 | 27°30 | 15°55 | 4° 1 | 27°40 | 6° 7 | 12°34 | 13°53 | 0°25 | 0°46 | W10 |
| T 11 | 1 50 28 | 25°50'45 | 15°34 | 23°32 | 25°16 | 12°38 | 27°29 | 16° 0 | 4° 2 | 27°38 | 6° 6 | 12°32 | 13°50 | 0°32 | 0°49 | T 11 |
| F 12 | 1 54 24 | 26°50'43 | 29°54 | 22°20 | 25°22 | 13°21 | 27°29 | 16° 6 | 4° 3 | 27°37 | 6° 5 | 12°29 | 13°47 | 0°39 | 0°53 | F 12 |
| S 13 | 1 58 21 | 27°50'43 | 14♓37 | 21°13 | 25°29 | 14° 4 | 27°28 | 16°11 | 4° 4 | 27°36 | 6° 4 | 12°23 | 13°44 | 0°45 | 0°56 | S 13 |
| S 14 | 2 2 17 | 28°50'45 | 29°37 | 20°13 | 25°39 | 14°48 | 27°28 | 16°17 | 4° 5 | 27°34 | 6° 3 | 12°17 | 13°40 | 0°52 | 1° 0 | S 14 |
| M15 | 2 6 14 | 29°50'49 | 14♈45 | 19°23 | 25°51 | 15°31 | 27°D28 | 16°22 | 4° 6 | 27°33 | 6° 1 | 12°10 | 13°37 | 0°59 | 1° 3 | M15 |
| T 16 | 2 10 10 | 0♏50'54 | 29°53 | 18°43 | 26° 5 | 16°14 | 27°28 | 16°28 | 4° 7 | 27°32 | 6° 0 | 12° 4 | 13°34 | 1° 6 | 1° 7 | T 16 |
| W17 | 2 14 7 | 1°51'01 | 14♉50 | 18°14 | 26°21 | 16°58 | 27°28 | 16°33 | 4° 8 | 27°30 | 5°59 | 12° 0 | 13°31 | 1°12 | 1°11 | W17 |
| T 18 | 2 18 3 | 2°51'10 | 29°27 | 17°57 | 26°39 | 17°41 | 27°28 | 16°39 | 4° 9 | 27°29 | 5°58 | 11°57 | 13°28 | 1°19 | 1°15 | T 18 |
| F 19 | 2 22 0 | 3°51'22 | 13♊40 | 17°D52 | 26°59 | 18°25 | 27°29 | 16°45 | 4° 9 | 27°28 | 5°57 | 11°D57 | 13°25 | 1°26 | 1°19 | F 19 |
| S 20 | 2 25 57 | 4°51'35 | 27°24 | 17°58 | 27°21 | 19° 9 | 27°30 | 16°51 | 4°10 | 27°26 | 5°56 | 11°57 | 13°21 | 1°32 | 1°23 | S 20 |
| S 21 | 2 29 53 | 5°51'50 | 10♋41 | 18°14 | 27°45 | 19°52 | 27°31 | 16°56 | 4°11 | 27°25 | 5°55 | 11°59 | 13°18 | 1°39 | 1°27 | S 21 |
| M22 | 2 33 50 | 6°52'08 | 23°34 | 18°41 | 28°11 | 20°36 | 27°32 | 17° 2 | 4°11 | 27°24 | 5°54 | 12° 0 | 13°15 | 1°46 | 1°31 | M22 |
| T 23 | 2 37 46 | 7°52'27 | 6♌ 5 | 19°16 | 28°38 | 21°20 | 27°33 | 17° 8 | 4°12 | 27°23 | 5°52 | 12°R 1 | 13°12 | 1°53 | 1°35 | T 23 |
| W24 | 2 41 43 | 8°52'49 | 18°19 | 20° 0 | 29° 8 | 22° 4 | 27°35 | 17°14 | 4°12 | 27°22 | 5°51 | 12° 1 | 13° 9 | 1°59 | 1°39 | W24 |
| T 25 | 2 45 39 | 9°53'12 | 0♍21 | 20°51 | 29°38 | 22°48 | 27°37 | 17°20 | 4°13 | 27°21 | 5°50 | 11°59 | 13° 6 | 2° 6 | 1°43 | T 25 |
| F 26 | 2 49 36 | 10°53'37 | 12°16 | 21°48 | 0♎10 | 23°32 | 27°39 | 17°26 | 4°13 | 27°19 | 5°49 | 11°55 | 13° 2 | 2°13 | 1°47 | F 26 |
| S 27 | 2 53 32 | 11°54'04 | 24° 7 | 22°51 | 0°44 | 24°16 | 27°41 | 17°33 | 4°13 | 27°18 | 5°48 | 11°51 | 12°59 | 2°19 | 1°52 | S 27 |
| S 28 | 2 57 29 | 12°54'33 | 5♎59 | 23°59 | 1°19 | 25° 0 | 27°44 | 17°39 | 4°14 | 27°17 | 5°47 | 11°45 | 12°56 | 2°26 | 1°56 | S 28 |
| M29 | 3 1 26 | 13°55'04 | 17°53 | 25°11 | 1°56 | 25°44 | 27°46 | 17°45 | 4°14 | 27°16 | 5°46 | 11°40 | 12°53 | 2°33 | 2° 1 | M29 |
| T 30 | 3 5 22 | 14°55'36 | 29°53 | 26°27 | 2°34 | 26°28 | 27°49 | 17°51 | 4°14 | 27°15 | 5°45 | 11°35 | 12°50 | 2°40 | 2° 5 | T 30 |
| W31 | 3 9 19 | 15♏56'10 | 12♏ 0 | 27♎46 | 3♎13 | 27♑13 | 27♒52 | 17♐58 | 4♌14 | 27♓14 | 5♉44 | 11♊32 | 12♊46 | 2♎46 | 2♑10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s16 | 0n31 | 4n33 | 15s31 | 3s 5 | 4s14 | 6s 5 | 25s37 | 2s13 | 13s34 | 1s23 | 21s34 | 1n 8 | 19n56 | 0n35 | 2s14 | 1s31 | 1s32 | 16s 4 | 22n26 | 22n36 | 4n47 | 17s10 | 6n22 |
| T 2 | 6 39 | 4s35 | 3 59 | 15 15 | 2 57 | 3 54 | 5 52 | 25 34 | 2 12 | 13 35 | 1 23 | 21 35 | 1 8 | 19 56 | 0 35 | 2 15 | 1 31 | 1 32 | 16 4 | 22 25 | 22 36 | 4 44 | 17 10 | 6 21 |
| W 3 | 7 2 | 9 32 | 3 15 | 14 55 | 2 48 | 3 35 | 5 38 | 25 31 | 2 11 | 13 36 | 1 23 | 21 36 | 1 7 | 19 55 | 0 35 | 2 15 | 1 31 | 1 33 | 16 4 | 22 24 | 22 35 | 4 42 | 17 10 | 6 21 |
| T 4 | 7 25 | 14 11 | 2 21 | 14 29 | 2 37 | 3 16 | 5 24 | 25 28 | 2 10 | 13 37 | 1 23 | 21 36 | 1 7 | 19 55 | 0 35 | 2 16 | 1 31 | 1 33 | 16 4 | 22 23 | 22 35 | 4 39 | 17 11 | 6 20 |
| F 5 | 7 47 | 18 19 | 1 21 | 13 59 | 2 24 | 2 59 | 5 10 | 25 24 | 2 9 | 13 37 | 1 22 | 21 37 | 1 7 | 19 55 | 0 35 | 2 17 | 1 31 | 1 33 | 16 4 | 22 23 | 22 35 | 4 36 | 17 11 | 6 20 |
| S 6 | 8 10 | 21 43 | 0 15 | 13 24 | 2 9 | 2 42 | 4 56 | 25 21 | 2 8 | 13 38 | 1 22 | 21 38 | 1 7 | 19 54 | 0 35 | 2 17 | 1 31 | 1 34 | 16 4 | 22 23 | 22 34 | 4 33 | 17 12 | 6 20 |
| S 7 | 8 33 | 24 9 | 0s52 | 12 44 | 1 53 | 2 27 | 4 42 | 25 17 | 2 7 | 13 38 | 1 22 | 21 38 | 1 7 | 19 54 | 0 35 | 2 18 | 1 31 | 1 34 | 16 4 | 22 23 | 22 34 | 4 30 | 17 12 | 6 19 |
| M 8 | 8 55 | 25 24 | 1 58 | 12 2 | 1 35 | 2 12 | 4 28 | 25 12 | 2 6 | 13 39 | 1 22 | 21 39 | 1 7 | 19 54 | 0 35 | 2 18 | 1 31 | 1 35 | 16 4 | 22 23 | 22 34 | 4 27 | 17 12 | 6 19 |
| T 9 | 9 17 | 25 16 | 3 0 | 11 17 | 1 16 | 1 58 | 4 14 | 25 8 | 2 5 | 13 39 | 1 22 | 21 40 | 1 6 | 19 54 | 0 35 | 2 19 | 1 31 | 1 35 | 16 4 | 22 23 | 22 33 | 4 24 | 17 13 | 6 18 |
| W10 | 9 39 | 23 39 | 3 54 | 10 30 | 0 55 | 1 46 | 4 0 | 25 3 | 2 5 | 13 39 | 1 21 | 21 41 | 1 6 | 19 53 | 0 35 | 2 19 | 1 31 | 1 35 | 16 4 | 22 23 | 22 33 | 4 21 | 17 13 | 6 18 |
| T 11 | 10 1 | 20 36 | 4 35 | 9 43 | 0 35 | 1 34 | 3 46 | 24 58 | 2 4 | 13 39 | 1 21 | 21 41 | 1 6 | 19 53 | 0 35 | 2 20 | 1 31 | 1 36 | 16 4 | 22 23 | 22 32 | 4 18 | 17 14 | 6 18 |
| F 12 | 10 23 | 16 14 | 5 1 | 8 56 | 0 14 | 1 24 | 3 32 | 24 53 | 2 3 | 13 40 | 1 21 | 21 42 | 1 6 | 19 53 | 0 35 | 2 21 | 1 31 | 1 36 | 16 4 | 22 22 | 22 32 | 4 15 | 17 14 | 6 17 |
| S 13 | 10 45 | 10 49 | 5 8 | 8 12 | 0n 6 | 1 14 | 3 18 | 24 48 | 2 2 | 13 40 | 1 21 | 21 43 | 1 6 | 19 53 | 0 35 | 2 21 | 1 31 | 1 37 | 16 4 | 22 21 | 22 32 | 4 13 | 17 14 | 6 17 |
| S 14 | 11 6 | 4 39 | 4 55 | 7 32 | 0 26 | 1 6 | 3 5 | 24 42 | 2 1 | 13 40 | 1 21 | 21 43 | 1 6 | 19 52 | 0 35 | 2 22 | 1 31 | 1 37 | 16 4 | 22 21 | 22 31 | 4 10 | 17 15 | 6 16 |
| M15 | 11 27 | 1n50 | 4 20 | 6 56 | 0 44 | 0 58 | 2 52 | 24 36 | 2 0 | 13 39 | 1 21 | 21 44 | 1 6 | 19 52 | 0 35 | 2 22 | 1 31 | 1 37 | 16 4 | 22 20 | 22 31 | 4 7 | 17 15 | 6 16 |
| T 16 | 11 49 | 8 13 | 3 28 | 6 25 | 1 1 | 0 52 | 2 39 | 24 30 | 1 59 | 13 39 | 1 20 | 21 45 | 1 5 | 19 52 | 0 35 | 2 23 | 1 31 | 1 38 | 16 4 | 22 19 | 22 30 | 4 4 | 17 15 | 6 16 |
| W17 | 12 9 | 14 5 | 2 22 | 6 0 | 1 17 | 0 47 | 2 26 | 24 24 | 1 58 | 13 39 | 1 20 | 21 45 | 1 5 | 19 52 | 0 35 | 2 23 | 1 31 | 1 38 | 16 4 | 22 18 | 22 30 | 4 1 | 17 16 | 6 15 |
| T 18 | 12 30 | 19 0 | 1 7 | 5 41 | 1 30 | 0 42 | 2 14 | 24 17 | 1 57 | 13 39 | 1 20 | 21 46 | 1 5 | 19 52 | 0 36 | 2 24 | 1 31 | 1 38 | 16 4 | 22 18 | 22 30 | 3 58 | 17 16 | 6 15 |
| F 19 | 12 51 | 22 40 | 0n 9 | 5 28 | 1 42 | 0 39 | 2 1 | 24 10 | 1 56 | 13 38 | 1 20 | 21 47 | 1 5 | 19 52 | 0 36 | 2 24 | 1 31 | 1 39 | 16 4 | 22 18 | 22 29 | 3 55 | 17 16 | 6 14 |
| S 20 | 13 11 | 24 53 | 1 23 | 5 21 | 1 52 | 0 37 | 1 49 | 24 3 | 1 55 | 13 38 | 1 20 | 21 48 | 1 5 | 19 52 | 0 36 | 2 25 | 1 31 | 1 39 | 16 4 | 22 18 | 22 29 | 3 52 | 17 17 | 6 14 |
| S 21 | 13 31 | 25 35 | 2 30 | 5 20 | 2 0 | 0 36 | 1 38 | 23 56 | 1 54 | 13 37 | 1 19 | 21 48 | 1 5 | 19 51 | 0 36 | 2 25 | 1 31 | 1 39 | 16 4 | 22 18 | 22 28 | 3 49 | 17 17 | 6 14 |
| M22 | 13 51 | 24 52 | 3 27 | 5 24 | 2 6 | 0 36 | 1 26 | 23 48 | 1 53 | 13 37 | 1 19 | 21 49 | 1 5 | 19 51 | 0 36 | 2 26 | 1 31 | 1 40 | 16 4 | 22 18 | 22 28 | 3 46 | 17 17 | 6 13 |
| T 23 | 14 11 | 22 54 | 4 13 | 5 33 | 2 11 | 0 36 | 1 15 | 23 40 | 1 52 | 13 36 | 1 19 | 21 50 | 1 5 | 19 51 | 0 36 | 2 26 | 1 31 | 1 40 | 16 4 | 22 19 | 22 28 | 3 43 | 17 18 | 6 13 |
| W24 | 14 30 | 19 55 | 4 46 | 5 46 | 2 15 | 0 38 | 1 4 | 23 32 | 1 51 | 13 35 | 1 19 | 21 50 | 1 4 | 19 51 | 0 36 | 2 26 | 1 31 | 1 40 | 16 4 | 22 19 | 22 27 | 3 40 | 17 18 | 6 13 |
| T 25 | 14 50 | 16 9 | 5 6 | 6 3 | 2 17 | 0 40 | 0 54 | 23 24 | 1 50 | 13 34 | 1 19 | 21 51 | 1 4 | 19 51 | 0 36 | 2 27 | 1 31 | 1 41 | 16 4 | 22 18 | 22 27 | 3 37 | 17 18 | 6 12 |
| F 26 | 15 9 | 11 47 | 5 12 | 6 24 | 2 18 | 0 44 | 0 43 | 23 16 | 1 49 | 13 33 | 1 18 | 21 52 | 1 4 | 19 51 | 0 36 | 2 27 | 1 31 | 1 41 | 16 4 | 22 18 | 22 26 | 3 34 | 17 19 | 6 12 |
| S 27 | 15 27 | 7 0 | 5 5 | 6 47 | 2 18 | 0 48 | 0 33 | 23 7 | 1 48 | 13 32 | 1 18 | 21 52 | 1 4 | 19 51 | 0 36 | 2 28 | 1 31 | 1 41 | 16 4 | 22 17 | 22 26 | 3 32 | 17 19 | 6 12 |
| S 28 | 15 46 | 1 59 | 4 45 | 7 13 | 2 17 | 0 53 | 0 23 | 22 58 | 1 47 | 13 31 | 1 18 | 21 53 | 1 4 | 19 51 | 0 36 | 2 28 | 1 31 | 1 42 | 16 4 | 22 16 | 22 26 | 3 29 | 17 19 | 6 11 |
| M29 | 16 4 | 3s 9 | 4 12 | 7 41 | 2 15 | 0 59 | 0 14 | 22 49 | 1 46 | 13 30 | 1 18 | 21 54 | 1 4 | 19 51 | 0 36 | 2 28 | 1 31 | 1 42 | 16 4 | 22 16 | 22 25 | 3 26 | 17 19 | 6 11 |
| T 30 | 16 22 | 8 13 | 3 29 | 8 11 | 2 12 | 1 5 | 0 5 | 22 39 | 1 45 | 13 29 | 1 18 | 21 54 | 1 4 | 19 51 | 0 36 | 2 29 | 1 31 | 1 42 | 16 4 | 22 15 | 22 25 | 3 23 | 17 20 | 6 11 |
| W31 | 16s40 | 13s 2 | 2n35 | 8s43 | 2n 9 | 1s13 | 0n 4 | 22s30 | 1s44 | 13s28 | 1s17 | 21s55 | 1n 4 | 19n51 | 0n36 | 2s29 | 1s31 | 1s42 | 16s 4 | 22n15 | 22n24 | 3n20 | 17s20 | 6n11 |

Julian Day Number = 2221358.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°56'57, Lahiri = 15°03'57 Julian Calendar 1 Oct. 1369 == Greg. Calendar 9 Oct. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## NOVEMBER 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 13 15 | 16♏56'46 | 24♏15 | 29♎ 7 | 3♎53 | 27♉57 | 27♒56 | 18♐ 4 | 4°R14 | 27°R13 | 5°R42 | 11°R29 | 12♊43 | 2♎53 | 2♉14 | T 1 |
| F 2 | 3 17 12 | 17°57'23 | 6♐41 | 0♏31 | 4°35 | 28°42 | 27°59 | 18°10 | 4♌14 | 27♓12 | 5♉41 | 11°D28 | 12°40 | 3° 0 | 2°19 | F 2 |
| S 3 | 3 21 8 | 18°58'02 | 19°17 | 1°56 | 5°17 | 29°26 | 28° 3 | 18°17 | 4°14 | 27°12 | 5°40 | 11♊28 | 12°37 | 3° 6 | 2°24 | S 3 |
| S 4 | 3 25 5 | 19°58'42 | 2♉ 5 | 3°23 | 6° 1 | 0♒10 | 28° 7 | 18°23 | 4°14 | 27°11 | 5°39 | 11°29 | 12°34 | 3°13 | 2°28 | S 4 |
| M 5 | 3 29 1 | 20°59'23 | 15° 6 | 4°51 | 6°46 | 0°55 | 28°11 | 18°30 | 4°14 | 27°10 | 5°38 | 11°31 | 12°31 | 3°20 | 2°33 | M 5 |
| T 6 | 3 32 58 | 22° 0'06 | 28°22 | 6°20 | 7°32 | 1°40 | 28°15 | 18°36 | 4°14 | 27° 9 | 5°37 | 11°32 | 12°27 | 3°27 | 2°38 | T 6 |
| W 7 | 3 36 55 | 23° 0'49 | 11♒55 | 7°51 | 8°18 | 2°24 | 28°19 | 18°43 | 4°13 | 27° 8 | 5°36 | 11°33 | 12°24 | 3°33 | 2°43 | W 7 |
| T 8 | 3 40 51 | 24° 1'34 | 25°45 | 9°21 | 9° 6 | 3° 9 | 28°24 | 18°49 | 4°13 | 27° 8 | 5°35 | 11°R33 | 12°21 | 3°40 | 2°48 | T 8 |
| F 9 | 3 44 48 | 25° 2'20 | 9♓52 | 10°53 | 9°54 | 3°54 | 28°29 | 18°56 | 4°13 | 27° 7 | 5°34 | 11°33 | 12°18 | 3°47 | 2°53 | F 9 |
| S 10 | 3 48 44 | 26° 3'06 | 24°15 | 12°25 | 10°44 | 4°38 | 28°33 | 19° 3 | 4°12 | 27° 6 | 5°33 | 11°32 | 12°15 | 3°53 | 2°58 | S 10 |
| S 11 | 3 52 41 | 27° 3'54 | 8♈50 | 13°57 | 11°34 | 5°23 | 28°39 | 19° 9 | 4°12 | 27° 5 | 5°32 | 11°30 | 12°12 | 4° 0 | 3° 3 | S 11 |
| M12 | 3 56 37 | 28° 4'42 | 23°32 | 15°29 | 12°25 | 6° 8 | 28°44 | 19°16 | 4°11 | 27° 5 | 5°31 | 11°28 | 12° 8 | 4° 7 | 3° 8 | M12 |
| T 13 | 4 0 34 | 29° 5'32 | 8♉16 | 17° 2 | 13°17 | 6°53 | 28°49 | 19°23 | 4°10 | 27° 4 | 5°30 | 11°27 | 12° 5 | 4°14 | 3°13 | T 13 |
| W14 | 4 4 30 | 0♐ 6'22 | 22°54 | 18°35 | 14° 9 | 7°38 | 28°55 | 19°30 | 4°10 | 27° 4 | 5°29 | 11°25 | 12° 2 | 4°20 | 3°18 | W14 |
| T 15 | 4 8 27 | 1° 7'14 | 7♊19 | 20° 8 | 15° 3 | 8°22 | 29° 1 | 19°36 | 4° 9 | 27° 3 | 5°28 | 11°D25 | 11°59 | 4°27 | 3°23 | T 15 |
| F 16 | 4 12 24 | 2° 8'07 | 21°26 | 21°41 | 15°57 | 9° 7 | 29° 7 | 19°43 | 4° 8 | 27° 3 | 5°27 | 11°25 | 11°56 | 4°34 | 3°28 | F 16 |
| S 17 | 4 16 20 | 3° 9'02 | 5♋11 | 23°15 | 16°51 | 9°52 | 29°13 | 19°50 | 4° 7 | 27° 2 | 5°26 | 11°26 | 11°52 | 4°40 | 3°34 | S 17 |
| S 18 | 4 20 17 | 4° 9'57 | 18°32 | 24°48 | 17°47 | 10°37 | 29°19 | 19°57 | 4° 6 | 27° 2 | 5°25 | 11°26 | 11°49 | 4°47 | 3°39 | S 18 |
| M19 | 4 24 13 | 5°10'54 | 1♌29 | 26°22 | 18°43 | 11°22 | 29°26 | 20° 4 | 4° 6 | 27° 1 | 5°24 | 11°27 | 11°46 | 4°54 | 3°44 | M19 |
| T 20 | 4 28 10 | 6°11'52 | 14° 6 | 27°55 | 19°39 | 12° 7 | 29°33 | 20°11 | 4° 5 | 27° 1 | 5°23 | 11°28 | 11°43 | 5° 1 | 3°49 | T 20 |
| W21 | 4 32 6 | 7°12'51 | 26°24 | 29°29 | 20°36 | 12°52 | 29°40 | 20°18 | 4° 4 | 27° 1 | 5°22 | 11°28 | 11°40 | 5° 7 | 3°55 | W21 |
| T 22 | 4 36 3 | 8°13'51 | 8♍29 | 1♐ 2 | 21°34 | 13°37 | 29°47 | 20°25 | 4° 2 | 27° 0 | 5°21 | 11°R28 | 11°37 | 5°14 | 4° 0 | T 22 |
| F 23 | 4 39 59 | 9°14'52 | 20°25 | 2°36 | 22°32 | 14°22 | 29°54 | 20°32 | 4° 1 | 27° 0 | 5°20 | 11°28 | 11°33 | 5°21 | 4° 6 | F 23 |
| S 24 | 4 43 56 | 10°15'55 | 2♎17 | 4° 9 | 23°31 | 15° 7 | 0♓ 1 | 20°39 | 4° 0 | 27° 0 | 5°19 | 11°28 | 11°30 | 5°27 | 4°11 | S 24 |
| S 25 | 4 47 53 | 11°16'58 | 14° 9 | 5°43 | 24°30 | 15°52 | 0° 9 | 20°46 | 3°59 | 27° 0 | 5°18 | 11°D28 | 11°27 | 5°34 | 4°16 | S 25 |
| M26 | 4 51 49 | 12°18'03 | 26° 5 | 7°17 | 25°30 | 16°37 | 0°16 | 20°53 | 3°58 | 27° 0 | 5°17 | 11°28 | 11°24 | 5°41 | 4°22 | M26 |
| T 27 | 4 55 46 | 13°19'08 | 8♏10 | 8°51 | 26°30 | 17°22 | 0°24 | 21° 0 | 3°56 | 26°59 | 5°16 | 11°28 | 11°21 | 5°48 | 4°28 | T 27 |
| W28 | 4 59 42 | 14°20'14 | 20°25 | 10°25 | 27°30 | 18° 7 | 0°32 | 21° 7 | 3°55 | 26°59 | 5°16 | 11°28 | 11°18 | 5°54 | 4°33 | W28 |
| T 29 | 5 3 39 | 15°21'21 | 2♐53 | 11°59 | 28°31 | 18°52 | 0°40 | 21°14 | 3°53 | 26°59 | 5°15 | 11°28 | 11°14 | 6° 1 | 4°39 | T 29 |
| F 30 | 5 7 35 | 16♐22'29 | 15♐36 | 13♐33 | 29♎33 | 19♒37 | 0♓48 | 21♐21 | 3♌52 | 26°D59 | 5♉14 | 11°R29 | 11♊11 | 6♎ 8 | 4♉44 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s57 | 17s24 | 1n33 | 9s15 | 2n 5 | 1s21 | 0n13 | 22s20 | 1s43 | 13s26 | 1s17 | 21s56 | 1n 3 | 19n51 | 0n36 | 2s29 | 1s31 | 1s43 | 16s 4 | 22n14 | 22n24 | 3n17 | 17s20 | 6n10 |
| F 2 | 17 14 | 21 4 | 0 26 | 9 49 | 2 0 | 1 30 | 0 22 | 22 10 | 1 42 | 13 25 | 1 17 | 21 56 | 1 3 | 19 51 | 0 36 | 2 30 | 1 30 | 1 43 | 16 4 | 22 14 | 22 24 | 3 14 | 17 20 | 6 10 |
| S 3 | 17 31 | 23 48 | 0s43 | 10 23 | 1 55 | 1 39 | 0 30 | 21 59 | 1 41 | 13 24 | 1 17 | 21 57 | 1 3 | 19 51 | 0 36 | 2 30 | 1 30 | 1 43 | 16 4 | 22 14 | 22 23 | 3 11 | 17 20 | 6 10 |
| S 4 | 17 48 | 25 21 | 1 51 | 10 58 | 1 50 | 1 49 | 0 38 | 21 49 | 1 40 | 13 22 | 1 17 | 21 58 | 1 3 | 19 51 | 0 36 | 2 30 | 1 30 | 1 43 | 16 3 | 22 14 | 22 23 | 3 8 | 17 21 | 6 9 |
| M 5 | 18 4 | 25 34 | 2 55 | 11 33 | 1 44 | 2 0 | 0 45 | 21 38 | 1 39 | 13 21 | 1 16 | 21 59 | 1 3 | 19 51 | 0 36 | 2 31 | 1 30 | 1 44 | 16 3 | 22 14 | 22 22 | 3 5 | 17 21 | 6 9 |
| T 6 | 18 20 | 24 19 | 3 51 | 12 8 | 1 38 | 2 11 | 0 53 | 21 27 | 1 38 | 13 19 | 1 16 | 21 59 | 1 3 | 19 51 | 0 36 | 2 31 | 1 30 | 1 44 | 16 3 | 22 15 | 22 22 | 3 2 | 17 21 | 6 9 |
| W 7 | 18 35 | 21 40 | 4 35 | 12 43 | 1 32 | 2 23 | 1 0 | 21 16 | 1 37 | 13 17 | 1 16 | 22 0 | 1 3 | 19 51 | 0 36 | 2 31 | 1 30 | 1 44 | 16 3 | 22 15 | 22 22 | 2 59 | 17 21 | 6 9 |
| T 8 | 18 51 | 17 44 | 5 4 | 13 18 | 1 26 | 2 36 | 1 7 | 21 5 | 1 36 | 13 15 | 1 16 | 22 1 | 1 3 | 19 52 | 0 36 | 2 32 | 1 30 | 1 44 | 16 3 | 22 15 | 22 21 | 2 56 | 17 21 | 6 8 |
| F 9 | 19 5 | 12 46 | 5 16 | 13 53 | 1 19 | 2 49 | 1 13 | 20 53 | 1 35 | 13 14 | 1 16 | 22 1 | 1 3 | 19 52 | 0 36 | 2 32 | 1 30 | 1 45 | 16 3 | 22 15 | 22 21 | 2 53 | 17 21 | 6 8 |
| S 10 | 19 20 | 7 0 | 5 8 | 14 28 | 1 12 | 3 2 | 1 20 | 20 42 | 1 34 | 13 12 | 1 15 | 22 2 | 1 2 | 19 52 | 0 36 | 2 32 | 1 30 | 1 45 | 16 3 | 22 15 | 22 20 | 2 50 | 17 22 | 6 8 |
| S 11 | 19 34 | 0 47 | 4 41 | 15 2 | 1 6 | 3 16 | 1 26 | 20 30 | 1 33 | 13 10 | 1 15 | 22 2 | 1 2 | 19 52 | 0 36 | 2 32 | 1 30 | 1 45 | 16 3 | 22 14 | 22 20 | 2 47 | 17 22 | 6 8 |
| M12 | 19 48 | 5n32 | 3 55 | 15 36 | 0 59 | 3 31 | 1 32 | 20 17 | 1 32 | 13 8 | 1 15 | 22 3 | 1 2 | 19 52 | 0 37 | 2 33 | 1 30 | 1 45 | 16 2 | 22 14 | 22 20 | 2 44 | 17 22 | 6 7 |
| T 13 | 20 1 | 11 35 | 2 53 | 16 9 | 0 52 | 3 46 | 1 38 | 20 5 | 1 31 | 13 6 | 1 15 | 22 4 | 1 2 | 19 52 | 0 37 | 2 33 | 1 30 | 1 45 | 16 2 | 22 14 | 22 19 | 2 41 | 17 22 | 6 7 |
| W14 | 20 15 | 16 56 | 1 41 | 16 42 | 0 45 | 4 1 | 1 43 | 19 53 | 1 30 | 13 3 | 1 15 | 22 4 | 1 2 | 19 53 | 0 37 | 2 33 | 1 30 | 1 45 | 16 2 | 22 14 | 22 19 | 2 38 | 17 22 | 6 7 |
| T 15 | 20 27 | 21 14 | 0 23 | 17 14 | 0 38 | 4 17 | 1 48 | 19 40 | 1 29 | 13 1 | 1 14 | 22 5 | 1 2 | 19 53 | 0 37 | 2 33 | 1 30 | 1 46 | 16 2 | 22 14 | 22 18 | 2 35 | 17 22 | 6 7 |
| F 16 | 20 40 | 24 10 | 0n55 | 17 45 | 0 31 | 4 33 | 1 53 | 19 27 | 1 28 | 12 59 | 1 14 | 22 6 | 1 2 | 19 53 | 0 37 | 2 33 | 1 30 | 1 46 | 16 2 | 22 14 | 22 18 | 2 32 | 17 22 | 6 7 |
| S 17 | 20 52 | 25 33 | 2 8 | 18 16 | 0 24 | 4 50 | 1 58 | 19 14 | 1 27 | 12 56 | 1 14 | 22 6 | 1 2 | 19 53 | 0 37 | 2 33 | 1 30 | 1 46 | 16 2 | 22 14 | 22 17 | 2 29 | 17 22 | 6 6 |
| S 18 | 21 3 | 25 24 | 3 12 | 18 46 | 0 17 | 5 6 | 2 3 | 19 1 | 1 26 | 12 54 | 1 14 | 22 7 | 1 2 | 19 53 | 0 37 | 2 33 | 1 30 | 1 46 | 16 1 | 22 14 | 22 17 | 2 26 | 17 22 | 6 6 |
| M19 | 21 14 | 23 51 | 4 3 | 19 15 | 0 10 | 5 24 | 2 7 | 18 47 | 1 25 | 12 52 | 1 14 | 22 7 | 1 2 | 19 54 | 0 37 | 2 34 | 1 30 | 1 46 | 16 1 | 22 14 | 22 17 | 2 23 | 17 22 | 6 6 |
| T 20 | 21 25 | 21 9 | 4 42 | 19 43 | 0 3 | 5 41 | 2 11 | 18 34 | 1 24 | 12 49 | 1 14 | 22 8 | 1 2 | 19 54 | 0 37 | 2 34 | 1 30 | 1 46 | 16 1 | 22 14 | 22 16 | 2 20 | 17 22 | 6 6 |
| W21 | 21 35 | 17 33 | 5 6 | 20 10 | 0s 4 | 5 59 | 2 15 | 18 20 | 1 23 | 12 46 | 1 13 | 22 9 | 1 1 | 19 54 | 0 37 | 2 34 | 1 30 | 1 46 | 16 1 | 22 14 | 22 16 | 2 17 | 17 22 | 6 6 |
| T 22 | 21 45 | 13 18 | 5 17 | 20 37 | 0 11 | 6 17 | 2 19 | 18 6 | 1 22 | 12 44 | 1 13 | 22 9 | 1 1 | 19 55 | 0 37 | 2 34 | 1 30 | 1 46 | 16 1 | 22 14 | 22 15 | 2 14 | 17 22 | 6 6 |
| F 23 | 21 55 | 8 36 | 5 13 | 21 2 | 0 18 | 6 36 | 2 23 | 17 52 | 1 21 | 12 41 | 1 13 | 22 10 | 1 1 | 19 55 | 0 37 | 2 34 | 1 30 | 1 47 | 16 0 | 22 14 | 22 15 | 2 11 | 17 22 | 6 5 |
| S 24 | 22 4 | 3 37 | 4 57 | 21 27 | 0 24 | 6 54 | 2 26 | 17 38 | 1 20 | 12 38 | 1 13 | 22 10 | 1 1 | 19 55 | 0 37 | 2 34 | 1 30 | 1 47 | 16 0 | 22 14 | 22 14 | 2 8 | 17 22 | 6 5 |
| S 25 | 22 13 | 1s30 | 4 27 | 21 50 | 0 31 | 7 13 | 2 29 | 17 23 | 1 19 | 12 36 | 1 13 | 22 11 | 1 1 | 19 55 | 0 37 | 2 34 | 1 30 | 1 47 | 16 0 | 22 14 | 22 14 | 2 5 | 17 22 | 6 5 |
| M26 | 22 21 | 6 36 | 3 46 | 22 13 | 0 37 | 7 32 | 2 32 | 17 9 | 1 18 | 12 33 | 1 12 | 22 11 | 1 1 | 19 56 | 0 37 | 2 34 | 1 30 | 1 47 | 16 0 | 22 14 | 22 14 | 2 3 | 17 22 | 6 5 |
| T 27 | 22 29 | 11 31 | 2 55 | 22 34 | 0 43 | 7 51 | 2 35 | 16 54 | 1 17 | 12 30 | 1 12 | 22 12 | 1 1 | 19 56 | 0 37 | 2 34 | 1 29 | 1 47 | 16 0 | 22 14 | 22 13 | 2 0 | 17 22 | 6 5 |
| W28 | 22 36 | 16 5 | 1 54 | 22 54 | 0 49 | 8 10 | 2 37 | 16 39 | 1 15 | 12 27 | 1 12 | 22 13 | 1 1 | 19 57 | 0 37 | 2 34 | 1 29 | 1 47 | 15 59 | 22 14 | 22 13 | 1 57 | 17 22 | 6 5 |
| T 29 | 22 43 | 20 2 | 0 47 | 23 13 | 0 55 | 8 30 | 2 40 | 16 24 | 1 14 | 12 24 | 1 12 | 22 13 | 1 1 | 19 57 | 0 37 | 2 34 | 1 29 | 1 47 | 15 59 | 22 14 | 22 12 | 1 54 | 17 22 | 6 5 |
| F 30 | 22s49 | 23s 7 | 0s23 | 23s31 | 1s 1 | 8s49 | 2n42 | 16s 9 | 1s13 | 12s21 | 1s12 | 22s14 | 1n 1 | 19n57 | 0n37 | 2s34 | 1s29 | 1s47 | 15s59 | 22n14 | 22n12 | 1n51 | 17s22 | 6n 5 |

Julian Day Number = 2221389.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'01, Lahiri = 15°04'01 Julian Calendar 1 Nov. 1369 == Greg. Calendar 9 Nov. 1369


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# ASTRODIENST EPHEMERIS for the year 1369
# geocentric

## DECEMBER 1369 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 11 32 | 17♐23'38 | 28♐34 | 15♐ 8 | 0♏35 | 20♒23 | 0♓57 | 21♐28 | 3°R50 | 26♓59 | 5°R13 | 11°R28 | 11♊ 8 | 6♎14 | 4♑50 | S 1 |
| S 2 | 5 15 28 | 18°24'47 | 11♑46 | 16°42 | 1°37 | 21° 8 | 1° 5 | 21°35 | 3♌49 | 26°59 | 5♉12 | 11♊28 | 11° 5 | 6°21 | 4°55 | S 2 |
| M 3 | 5 19 25 | 19°25'56 | 25°12 | 18°17 | 2°39 | 21°53 | 1°14 | 21°42 | 3°47 | 26°59 | 5°12 | 11°27 | 11° 2 | 6°28 | 5° 1 | M 3 |
| T 4 | 5 23 22 | 20°27'06 | 8♒49 | 19°52 | 3°42 | 22°38 | 1°23 | 21°49 | 3°46 | 27° 0 | 5°11 | 11°26 | 10°58 | 6°35 | 5° 7 | T 4 |
| W 5 | 5 27 18 | 21°28'16 | 22°38 | 21°27 | 4°46 | 23°23 | 1°32 | 21°56 | 3°44 | 27° 0 | 5°10 | 11°24 | 10°55 | 6°41 | 5°12 | W 5 |
| T 6 | 5 31 15 | 22°29'26 | 6♓36 | 23° 3 | 5°49 | 24° 8 | 1°41 | 22° 3 | 3°42 | 27° 0 | 5° 9 | 11°24 | 10°52 | 6°48 | 5°18 | T 6 |
| F 7 | 5 35 11 | 23°30'36 | 20°41 | 24°38 | 6°53 | 24°53 | 1°50 | 22°10 | 3°40 | 27° 0 | 5° 9 | 11°D23 | 10°49 | 6°55 | 5°24 | F 7 |
| S 8 | 5 39 8 | 24°31'46 | 4♈52 | 26°14 | 7°57 | 25°39 | 1°59 | 22°17 | 3°39 | 27° 0 | 5° 8 | 11°23 | 10°46 | 7° 1 | 5°29 | S 8 |
| S 9 | 5 43 4 | 25°32'56 | 19° 6 | 27°50 | 9° 2 | 26°24 | 2° 9 | 22°24 | 3°37 | 27° 1 | 5° 7 | 11°24 | 10°43 | 7° 8 | 5°35 | S 9 |
| M10 | 5 47 1 | 26°34'06 | 3♉22 | 29°26 | 10° 7 | 27° 9 | 2°19 | 22°31 | 3°35 | 27° 1 | 5° 7 | 11°25 | 10°39 | 7°15 | 5°41 | M10 |
| T 11 | 5 50 57 | 27°35'16 | 17°35 | 1♑ 3 | 11°12 | 27°54 | 2°28 | 22°38 | 3°33 | 27° 1 | 5° 6 | 11°26 | 10°36 | 7°22 | 5°47 | T 11 |
| W12 | 5 54 54 | 28°36'26 | 1♊44 | 2°40 | 12°17 | 28°39 | 2°38 | 22°45 | 3°31 | 27° 2 | 5° 5 | 11°27 | 10°33 | 7°28 | 5°52 | W12 |
| T 13 | 5 58 51 | 29°37'36 | 15°44 | 4°17 | 13°23 | 29°24 | 2°48 | 22°52 | 3°29 | 27° 2 | 5° 5 | 11°R28 | 10°30 | 7°35 | 5°58 | T 13 |
| F 14 | 6 2 47 | 0♑38'46 | 29°31 | 5°54 | 14°29 | 0♓ 9 | 2°58 | 22°59 | 3°27 | 27° 3 | 5° 4 | 11°27 | 10°27 | 7°42 | 6° 4 | F 14 |
| S 15 | 6 6 44 | 1°39'56 | 13♋ 3 | 7°32 | 15°35 | 0°54 | 3° 9 | 23° 6 | 3°25 | 27° 3 | 5° 4 | 11°25 | 10°24 | 7°48 | 6°10 | S 15 |
| S 16 | 6 10 40 | 2°41'07 | 26°17 | 9°10 | 16°41 | 1°39 | 3°19 | 23°13 | 3°23 | 27° 4 | 5° 3 | 11°22 | 10°20 | 7°55 | 6°15 | S 16 |
| M17 | 6 14 37 | 3°42'17 | 9♌12 | 10°48 | 17°48 | 2°24 | 3°29 | 23°20 | 3°20 | 27° 4 | 5° 3 | 11°18 | 10°17 | 8° 2 | 6°21 | M17 |
| T 18 | 6 18 33 | 4°43'27 | 21°49 | 12°27 | 18°55 | 3° 9 | 3°40 | 23°27 | 3°18 | 27° 5 | 5° 2 | 11°15 | 10°14 | 8° 9 | 6°27 | T 18 |
| W19 | 6 22 30 | 5°44'38 | 4♍10 | 14° 5 | 20° 2 | 3°54 | 3°51 | 23°34 | 3°16 | 27° 6 | 5° 2 | 11°11 | 10°11 | 8°15 | 6°33 | W19 |
| T 20 | 6 26 27 | 6°45'48 | 16°17 | 15°44 | 21° 9 | 4°39 | 4° 2 | 23°41 | 3°14 | 27° 6 | 5° 1 | 11° 8 | 10° 8 | 8°22 | 6°38 | T 20 |
| F 21 | 6 30 23 | 7°46'59 | 28°14 | 17°23 | 22°17 | 5°24 | 4°12 | 23°48 | 3°12 | 27° 7 | 5° 1 | 11° 6 | 10° 4 | 8°29 | 6°44 | F 21 |
| S 22 | 6 34 20 | 8°48'09 | 10♎ 6 | 19° 2 | 23°24 | 6° 9 | 4°24 | 23°55 | 3° 9 | 27° 8 | 5° 0 | 11°D 6 | 10° 1 | 8°35 | 6°50 | S 22 |
| S 23 | 6 38 16 | 9°49'20 | 21°58 | 20°42 | 24°32 | 6°54 | 4°35 | 24° 2 | 3° 7 | 27° 8 | 5° 0 | 11° 7 | 9°58 | 8°42 | 6°56 | S 23 |
| M24 | 6 42 13 | 10°50'31 | 3♏54 | 22°21 | 25°40 | 7°39 | 4°46 | 24° 9 | 3° 5 | 27° 9 | 4°59 | 11° 8 | 9°55 | 8°49 | 7° 2 | M24 |
| T 25 | 6 46 9 | 11°51'41 | 16° 0 | 24° 0 | 26°48 | 8°24 | 4°57 | 24°16 | 3° 2 | 27°10 | 4°59 | 11°10 | 9°52 | 8°55 | 7° 7 | T 25 |
| W26 | 6 50 6 | 12°52'52 | 28°19 | 25°38 | 27°57 | 9° 9 | 5° 9 | 24°22 | 3° 0 | 27°11 | 4°59 | 11°12 | 9°49 | 9° 2 | 7°13 | W26 |
| T 27 | 6 54 2 | 13°54'02 | 10♐56 | 27°17 | 29° 5 | 9°54 | 5°20 | 24°29 | 2°57 | 27°12 | 4°58 | 11°R12 | 9°45 | 9° 9 | 7°19 | T 27 |
| F 28 | 6 57 59 | 14°55'12 | 23°52 | 28°55 | 0♐14 | 10°39 | 5°32 | 24°36 | 2°55 | 27°13 | 4°58 | 11°12 | 9°42 | 9°16 | 7°24 | F 28 |
| S 29 | 7 1 56 | 15°56'22 | 7♑ 9 | 0♒31 | 1°23 | 11°24 | 5°44 | 24°43 | 2°53 | 27°14 | 4°58 | 11° 9 | 9°39 | 9°22 | 7°30 | S 29 |
| S 30 | 7 5 52 | 16°57'31 | 20°46 | 2° 7 | 2°32 | 12° 9 | 5°55 | 24°50 | 2°50 | 27°15 | 4°58 | 11° 5 | 9°36 | 9°29 | 7°36 | S 30 |
| M31 | 7 9 49 | 17♑58'40 | 4♒40 | 3♒42 | 3♐41 | 12♓54 | 6♓ 7 | 24♐56 | 2♌48 | 27♓16 | 4♉57 | 10♊59 | 9♊33 | 9♎36 | 7♑42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 25s 4 | 1s33 | 23s48 | 1s 7 | 9s 9 | 2n44 | 15s53 | 1s12 | 12s17 | 1s12 | 22s14 | 1n 1 | 19n58 | 0n37 | 2s34 | 1s29 | 1s47 | 15s59 | 22n14 | 22n11 | 1n48 | 17s22 | 6n 5 |
| S 2 | 23 1 | 25 39 | 2 40 | 24 3 | 1 12 | 9 29 | 2 46 | 15 38 | 1 11 | 12 14 | 1 11 | 22 15 | 1 1 | 19 58 | 0 37 | 2 34 | 1 29 | 1 47 | 15 58 | 22 14 | 22 11 | 1 45 | 17 22 | 6 4 |
| M 3 | 23 6 | 24 46 | 3 39 | 24 17 | 1 18 | 9 49 | 2 48 | 15 22 | 1 10 | 12 11 | 1 11 | 22 15 | 1 1 | 19 59 | 0 37 | 2 34 | 1 29 | 1 47 | 15 58 | 22 14 | 22 10 | 1 42 | 17 21 | 6 4 |
| T 4 | 23 11 | 22 24 | 4 27 | 24 30 | 1 23 | 10 9 | 2 49 | 15 7 | 1 9 | 12 8 | 1 11 | 22 16 | 1 0 | 19 59 | 0 37 | 2 34 | 1 29 | 1 47 | 15 58 | 22 14 | 22 10 | 1 39 | 17 21 | 6 4 |
| W 5 | 23 15 | 18 44 | 5 0 | 24 42 | 1 28 | 10 28 | 2 51 | 14 51 | 1 8 | 12 4 | 1 11 | 22 16 | 1 0 | 19 59 | 0 37 | 2 34 | 1 29 | 1 47 | 15 58 | 22 14 | 22 10 | 1 36 | 17 21 | 6 4 |
| T 6 | 23 18 | 14 0 | 5 15 | 24 52 | 1 32 | 10 48 | 2 52 | 14 35 | 1 7 | 12 1 | 1 11 | 22 17 | 1 0 | 20 0 | 0 37 | 2 34 | 1 29 | 1 47 | 15 57 | 22 13 | 22 9 | 1 33 | 17 21 | 6 4 |
| F 7 | 23 22 | 8 29 | 5 12 | 25 1 | 1 37 | 11 8 | 2 53 | 14 19 | 1 6 | 11 57 | 1 10 | 22 17 | 1 0 | 20 0 | 0 37 | 2 33 | 1 29 | 1 47 | 15 57 | 22 13 | 22 9 | 1 30 | 17 21 | 6 4 |
| S 8 | 23 25 | 2 30 | 4 50 | 25 9 | 1 41 | 11 28 | 2 54 | 14 2 | 1 5 | 11 54 | 1 10 | 22 18 | 1 0 | 20 1 | 0 37 | 2 33 | 1 29 | 1 47 | 15 57 | 22 13 | 22 8 | 1 26 | 17 21 | 6 4 |
| S 9 | 23 27 | 3n38 | 4 11 | 25 15 | 1 45 | 11 48 | 2 54 | 13 46 | 1 4 | 11 50 | 1 10 | 22 18 | 1 0 | 20 1 | 0 37 | 2 33 | 1 29 | 1 47 | 15 57 | 22 14 | 22 8 | 1 23 | 17 20 | 6 4 |
| M10 | 23 29 | 9 37 | 3 15 | 25 20 | 1 49 | 12 8 | 2 55 | 13 30 | 1 3 | 11 47 | 1 10 | 22 19 | 1 0 | 20 2 | 0 37 | 2 33 | 1 29 | 1 47 | 15 56 | 22 14 | 22 7 | 1 20 | 17 20 | 6 4 |
| T 11 | 23 30 | 15 5 | 2 8 | 25 23 | 1 52 | 12 28 | 2 55 | 13 13 | 1 2 | 11 43 | 1 10 | 22 19 | 1 0 | 20 2 | 0 38 | 2 33 | 1 29 | 1 47 | 15 56 | 22 14 | 22 7 | 1 17 | 17 20 | 6 4 |
| W12 | 23 31 | 19 42 | 0 53 | 25 25 | 1 55 | 12 47 | 2 56 | 12 56 | 1 1 | 11 39 | 1 10 | 22 19 | 1 0 | 20 3 | 0 38 | 2 33 | 1 29 | 1 47 | 15 56 | 22 14 | 22 6 | 1 14 | 17 20 | 6 4 |
| T 13 | 23 31 | 23 9 | 0n24 | 25 25 | 1 58 | 13 7 | 2 56 | 12 39 | 1 0 | 11 36 | 1 10 | 22 20 | 1 0 | 20 3 | 0 38 | 2 32 | 1 29 | 1 47 | 15 55 | 22 14 | 22 6 | 1 11 | 17 20 | 6 4 |
| F 14 | 23 31 | 25 9 | 1 38 | 25 24 | 2 0 | 13 26 | 2 56 | 12 23 | 0 59 | 11 32 | 1 10 | 22 20 | 1 0 | 20 4 | 0 38 | 2 32 | 1 29 | 1 46 | 15 55 | 22 14 | 22 5 | 1 8 | 17 19 | 6 4 |
| S 15 | 23 31 | 25 37 | 2 45 | 25 21 | 2 3 | 13 45 | 2 56 | 12 6 | 0 58 | 11 28 | 1 9 | 22 21 | 1 0 | 20 4 | 0 38 | 2 32 | 1 29 | 1 46 | 15 55 | 22 14 | 22 5 | 1 5 | 17 19 | 6 4 |
| S 16 | 23 30 | 24 36 | 3 42 | 25 16 | 2 4 | 14 5 | 2 56 | 11 49 | 0 57 | 11 24 | 1 9 | 22 21 | 1 0 | 20 5 | 0 38 | 2 32 | 1 29 | 1 46 | 15 54 | 22 13 | 22 5 | 1 2 | 17 19 | 6 4 |
| M17 | 23 28 | 22 17 | 4 26 | 25 10 | 2 6 | 14 24 | 2 55 | 11 31 | 0 56 | 11 20 | 1 9 | 22 22 | 1 0 | 20 5 | 0 38 | 2 31 | 1 29 | 1 46 | 15 54 | 22 13 | 22 4 | 0 59 | 17 18 | 6 4 |
| T 18 | 23 26 | 18 57 | 4 56 | 25 3 | 2 7 | 14 42 | 2 55 | 11 14 | 0 55 | 11 16 | 1 9 | 22 22 | 1 0 | 20 6 | 0 38 | 2 31 | 1 29 | 1 46 | 15 54 | 22 12 | 22 4 | 0 56 | 17 18 | 6 4 |
| W19 | 23 24 | 14 51 | 5 12 | 24 53 | 2 8 | 15 1 | 2 54 | 10 57 | 0 54 | 11 12 | 1 9 | 22 22 | 1 0 | 20 6 | 0 38 | 2 31 | 1 28 | 1 46 | 15 54 | 22 12 | 22 3 | 0 53 | 17 18 | 6 4 |
| T 20 | 23 21 | 10 13 | 5 13 | 24 42 | 2 8 | 15 19 | 2 53 | 10 39 | 0 53 | 11 8 | 1 9 | 22 23 | 1 0 | 20 7 | 0 38 | 2 30 | 1 28 | 1 46 | 15 53 | 22 11 | 22 3 | 0 50 | 17 18 | 6 4 |
| F 21 | 23 18 | 5 17 | 5 0 | 24 30 | 2 7 | 15 37 | 2 52 | 10 22 | 0 52 | 11 4 | 1 9 | 22 23 | 1 0 | 20 7 | 0 38 | 2 30 | 1 28 | 1 46 | 15 53 | 22 11 | 22 2 | 0 47 | 17 17 | 6 4 |
| S 22 | 23 14 | 0 12 | 4 35 | 24 15 | 2 7 | 15 55 | 2 51 | 10 4 | 0 51 | 11 0 | 1 9 | 22 23 | 1 0 | 20 8 | 0 38 | 2 30 | 1 28 | 1 45 | 15 53 | 22 11 | 22 2 | 0 44 | 17 17 | 6 4 |
| S 23 | 23 9 | 4s55 | 3 58 | 23 59 | 2 5 | 16 13 | 2 50 | 9 47 | 0 50 | 10 56 | 1 8 | 22 24 | 0 59 | 20 8 | 0 38 | 2 29 | 1 28 | 1 45 | 15 52 | 22 11 | 22 1 | 0 41 | 17 17 | 6 4 |
| M24 | 23 5 | 9 53 | 3 10 | 23 42 | 2 4 | 16 30 | 2 49 | 9 29 | 0 49 | 10 51 | 1 8 | 22 24 | 0 59 | 20 9 | 0 38 | 2 29 | 1 28 | 1 45 | 15 52 | 22 11 | 22 1 | 0 38 | 17 16 | 6 4 |
| T 25 | 22 59 | 14 33 | 2 14 | 23 22 | 2 1 | 16 48 | 2 48 | 9 11 | 0 48 | 10 47 | 1 8 | 22 24 | 0 59 | 20 10 | 0 38 | 2 29 | 1 28 | 1 45 | 15 52 | 22 12 | 22 0 | 0 35 | 17 16 | 6 4 |
| W26 | 22 54 | 18 43 | 1 10 | 23 1 | 1 58 | 17 4 | 2 46 | 8 53 | 0 47 | 10 43 | 1 8 | 22 25 | 0 59 | 20 10 | 0 38 | 2 28 | 1 28 | 1 45 | 15 51 | 22 12 | 22 0 | 0 32 | 17 15 | 6 5 |
| T 27 | 22 48 | 22 8 | 0 2 | 22 39 | 1 54 | 17 21 | 2 45 | 8 35 | 0 46 | 10 38 | 1 8 | 22 25 | 0 59 | 20 11 | 0 38 | 2 28 | 1 28 | 1 44 | 15 51 | 22 12 | 21 59 | 0 29 | 17 15 | 6 5 |
| F 28 | 22 41 | 24 31 | 1s 9 | 22 15 | 1 50 | 17 37 | 2 43 | 8 18 | 0 45 | 10 34 | 1 8 | 22 25 | 0 59 | 20 11 | 0 38 | 2 27 | 1 28 | 1 44 | 15 51 | 22 12 | 21 59 | 0 26 | 17 15 | 6 5 |
| S 29 | 22 34 | 25 36 | 2 17 | 21 49 | 1 45 | 17 53 | 2 41 | 8 0 | 0 44 | 10 30 | 1 8 | 22 26 | 0 59 | 20 12 | 0 38 | 2 27 | 1 28 | 1 44 | 15 50 | 22 11 | 21 58 | 0 23 | 17 14 | 6 5 |
| S 30 | 22 27 | 25 11 | 3 19 | 21 22 | 1 39 | 18 8 | 2 39 | 7 41 | 0 43 | 10 25 | 1 8 | 22 26 | 0 59 | 20 13 | 0 38 | 2 27 | 1 28 | 1 44 | 15 50 | 22 11 | 21 58 | 0 20 | 17 14 | 6 5 |
| M31 | 22s19 | 23s12 | 4s10 | 20s54 | 1s33 | 18s23 | 2n37 | 7s23 | 0s42 | 10s21 | 1s 7 | 22s26 | 0n59 | 20n13 | 0n38 | 2s26 | 1s28 | 1s43 | 15s50 | 22n10 | 21n58 | 0n17 | 17s13 | 6n 5 |

Julian Day Number = 2221419.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'05, Lahiri = 15°04'05 Julian Calendar 1 Dec. 1369 == Greg. Calendar 9 Dec. 1369


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## JANUARY 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 13 45 | 18♑59'48 | 18♒48 | 5♒15 | 4♐51 | 13♓39 | 6♓19 | 25♐ 3 | 2°R45 | 27♓17 | 4°R57 | 10°R53 | 9♊30 | 9♎42 | 7♑47 | T 1 |
| W 2 | 7 17 42 | 20° 0'55 | 3♓ 4 | 6°45 | 6° 0 | 14°23 | 6°31 | 25°10 | 2♏42 | 27°18 | 4♉57 | 10♊47 | 9°26 | 9°49 | 7°53 | W 2 |
| T 3 | 7 21 38 | 21° 2'01 | 17°23 | 8°14 | 7°10 | 15° 8 | 6°44 | 25°16 | 2°40 | 27°19 | 4°57 | 10°41 | 9°23 | 9°56 | 7°59 | T 3 |
| F 4 | 7 25 35 | 22° 3'06 | 1♈41 | 9°39 | 8°19 | 15°53 | 6°56 | 25°23 | 2°37 | 27°20 | 4°57 | 10°38 | 9°20 | 10° 3 | 8° 4 | F 4 |
| S 5 | 7 29 31 | 23° 4'10 | 15°55 | 11° 0 | 9°29 | 16°38 | 7° 8 | 25°29 | 2°35 | 27°22 | 4°56 | 10°36 | 9°17 | 10° 9 | 8°10 | S 5 |
| S 6 | 7 33 28 | 24° 5'13 | 0♉ 2 | 12°18 | 10°39 | 17°22 | 7°21 | 25°36 | 2°32 | 27°23 | 4°56 | 10°D36 | 9°14 | 10°16 | 8°15 | S 6 |
| M 7 | 7 37 25 | 25° 6'15 | 14° 0 | 13°30 | 11°49 | 18° 7 | 7°33 | 25°42 | 2°30 | 27°24 | 4°56 | 10°37 | 9°10 | 10°23 | 8°21 | M 7 |
| T 8 | 7 41 21 | 26° 7'16 | 27°50 | 14°37 | 12°59 | 18°52 | 7°46 | 25°49 | 2°27 | 27°25 | 4°56 | 10°38 | 9° 7 | 10°29 | 8°27 | T 8 |
| W 9 | 7 45 18 | 27° 8'16 | 11♊31 | 15°37 | 14° 9 | 19°36 | 7°58 | 25°55 | 2°24 | 27°27 | 4°56 | 10°R39 | 9° 4 | 10°36 | 8°32 | W 9 |
| T 10 | 7 49 14 | 28° 9'15 | 25° 3 | 16°30 | 15°20 | 20°21 | 8°11 | 26° 1 | 2°22 | 27°28 | 4°D56 | 10°38 | 9° 1 | 10°43 | 8°38 | T 10 |
| F 11 | 7 53 11 | 29°10'12 | 8♋24 | 17°15 | 16°30 | 21° 6 | 8°24 | 26° 8 | 2°19 | 27°29 | 4°56 | 10°34 | 8°58 | 10°49 | 8°43 | F 11 |
| S 12 | 7 57 7 | 0♒11'09 | 21°34 | 17°51 | 17°41 | 21°50 | 8°37 | 26°14 | 2°17 | 27°31 | 4°56 | 10°29 | 8°55 | 10°56 | 8°49 | S 12 |
| S 13 | 8 1 4 | 1°12'04 | 4♌31 | 18°17 | 18°51 | 22°35 | 8°50 | 26°20 | 2°14 | 27°32 | 4°56 | 10°21 | 8°51 | 11° 3 | 8°54 | S 13 |
| M14 | 8 5 1 | 2°12'58 | 17°15 | 18°32 | 20° 2 | 23°19 | 9° 3 | 26°26 | 2°11 | 27°34 | 4°56 | 10°11 | 8°48 | 11°10 | 8°59 | M14 |
| T 15 | 8 8 57 | 3°13'52 | 29°46 | 18°R37 | 21°13 | 24° 4 | 9°16 | 26°33 | 2° 9 | 27°35 | 4°56 | 10° 1 | 8°45 | 11°16 | 9° 5 | T 15 |
| W16 | 8 12 54 | 4°14'44 | 12♍ 3 | 18°31 | 22°24 | 24°48 | 9°29 | 26°39 | 2° 6 | 27°37 | 4°56 | 9°51 | 8°42 | 11°23 | 9°10 | W16 |
| T 17 | 8 16 50 | 5°15'35 | 24° 8 | 18°14 | 23°35 | 25°32 | 9°42 | 26°45 | 2° 3 | 27°38 | 4°57 | 9°42 | 8°39 | 11°30 | 9°16 | T 17 |
| F 18 | 8 20 47 | 6°16'25 | 6♎ 5 | 17°45 | 24°46 | 26°17 | 9°55 | 26°51 | 2° 1 | 27°40 | 4°57 | 9°35 | 8°36 | 11°36 | 9°21 | F 18 |
| S 19 | 8 24 43 | 7°17'14 | 17°56 | 17° 7 | 25°57 | 27° 1 | 10° 9 | 26°57 | 1°58 | 27°41 | 4°57 | 9°30 | 8°32 | 11°43 | 9°26 | S 19 |
| S 20 | 8 28 40 | 8°18'03 | 29°46 | 16°19 | 27° 8 | 27°45 | 10°22 | 27° 3 | 1°56 | 27°43 | 4°57 | 9°28 | 8°29 | 11°50 | 9°31 | S 20 |
| M21 | 8 32 36 | 9°18'50 | 11♏40 | 15°23 | 28°20 | 28°30 | 10°35 | 27° 8 | 1°53 | 27°44 | 4°57 | 9°D28 | 8°26 | 11°56 | 9°37 | M21 |
| T 22 | 8 36 33 | 10°19'36 | 23°44 | 14°20 | 29°31 | 29°14 | 10°49 | 27°14 | 1°50 | 27°46 | 4°58 | 9°28 | 8°23 | 12° 3 | 9°42 | T 22 |
| W23 | 8 40 29 | 11°20'22 | 6♐ 2 | 13°13 | 0♑42 | 29°58 | 11° 2 | 27°20 | 1°48 | 27°48 | 4°58 | 9°R29 | 8°20 | 12°10 | 9°47 | W23 |
| T 24 | 8 44 26 | 12°21'06 | 18°40 | 12° 3 | 1°54 | 0♈42 | 11°16 | 27°26 | 1°45 | 27°50 | 4°58 | 9°29 | 8°16 | 12°17 | 9°52 | T 24 |
| F 25 | 8 48 23 | 13°21'49 | 1♑41 | 10°53 | 3° 5 | 1°26 | 11°30 | 27°31 | 1°43 | 27°51 | 4°58 | 9°26 | 8°13 | 12°23 | 9°57 | F 25 |
| S 26 | 8 52 19 | 14°22'31 | 15° 8 | 9°43 | 4°17 | 2°10 | 11°43 | 27°37 | 1°40 | 27°53 | 4°59 | 9°22 | 8°10 | 12°30 | 10° 2 | S 26 |
| S 27 | 8 56 16 | 15°23'11 | 29° 1 | 8°36 | 5°29 | 2°54 | 11°57 | 27°42 | 1°38 | 27°55 | 4°59 | 9°14 | 8° 7 | 12°37 | 10° 7 | S 27 |
| M28 | 9 0 12 | 16°23'51 | 13♒17 | 7°33 | 6°41 | 3°38 | 12°11 | 27°48 | 1°35 | 27°57 | 5° 0 | 9° 4 | 8° 4 | 12°43 | 10°12 | M28 |
| T 29 | 9 4 9 | 17°24'28 | 27°52 | 6°36 | 7°52 | 4°22 | 12°25 | 27°53 | 1°33 | 27°58 | 5° 0 | 8°54 | 8° 1 | 12°50 | 10°17 | T 29 |
| W30 | 9 8 5 | 18°25'04 | 12♓37 | 5°45 | 9° 4 | 5° 6 | 12°38 | 27°59 | 1°30 | 28° 0 | 5° 0 | 8°43 | 7°57 | 12°57 | 10°22 | W30 |
| T 31 | 9 12 2 | 19♒25'38 | 27♓24 | 5♒ 2 | 10♑16 | 5♈50 | 12♓52 | 28♐ 4 | 1♏28 | 28♓ 2 | 5♉ 1 | 8♊33 | 7♊54 | 13♎ 3 | 10♑27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s10 | 19s47 | 4s47 | 20s24 | 1s26 | 18s38 | 2n35 | 7s 5 | 0s41 | 10s16 | 1s 7 | 22s27 | 0n59 | 20n14 | 0n38 | 2s26 | 1s28 | 1s43 | 15s49 | 22n 9 | 21n57 | 0n14 | 17s13 | 6n 5 |
| W 2 | 22 1 | 15 11 | 5 7 | 19 54 | 1 17 | 18 52 | 2 33 | 6 47 | 0 40 | 10 11 | 1 7 | 22 27 | 0 59 | 20 14 | 0 38 | 2 25 | 1 28 | 1 43 | 15 49 | 22 8 | 21 57 | 0 11 | 17 12 | 6 5 |
| T 3 | 21 52 | 9 43 | 5 8 | 19 22 | 1 8 | 19 6 | 2 31 | 6 29 | 0 39 | 10 7 | 1 7 | 22 27 | 0 59 | 20 15 | 0 38 | 2 25 | 1 28 | 1 43 | 15 49 | 22 8 | 21 56 | 0 8 | 17 12 | 6 6 |
| F 4 | 21 43 | 3 45 | 4 49 | 18 50 | 0 58 | 19 19 | 2 29 | 6 10 | 0 38 | 10 2 | 1 7 | 22 27 | 0 59 | 20 16 | 0 38 | 2 24 | 1 28 | 1 42 | 15 48 | 22 7 | 21 56 | 0 5 | 17 11 | 6 6 |
| S 5 | 21 33 | 2n23 | 4 13 | 18 17 | 0 48 | 19 32 | 2 26 | 5 52 | 0 37 | 9 57 | 1 7 | 22 28 | 0 59 | 20 16 | 0 38 | 2 24 | 1 28 | 1 42 | 15 48 | 22 7 | 21 55 | 0 2 | 17 11 | 6 6 |
| S 6 | 21 22 | 8 22 | 3 22 | 17 45 | 0 36 | 19 45 | 2 24 | 5 34 | 0 36 | 9 53 | 1 7 | 22 28 | 0 59 | 20 17 | 0 38 | 2 23 | 1 28 | 1 42 | 15 48 | 22 7 | 21 55 | 0s 1 | 17 10 | 6 6 |
| M 7 | 21 11 | 13 53 | 2 19 | 17 12 | 0 23 | 19 57 | 2 21 | 5 15 | 0 35 | 9 48 | 1 7 | 22 28 | 0 59 | 20 17 | 0 38 | 2 23 | 1 28 | 1 42 | 15 47 | 22 7 | 21 54 | 0 4 | 17 10 | 6 6 |
| T 8 | 21 0 | 18 38 | 1 9 | 16 39 | 0 9 | 20 8 | 2 19 | 4 57 | 0 34 | 9 43 | 1 7 | 22 28 | 0 59 | 20 18 | 0 38 | 2 22 | 1 28 | 1 41 | 15 47 | 22 7 | 21 54 | 0 7 | 17 9 | 6 6 |
| W 9 | 20 48 | 22 19 | 0n 5 | 16 8 | 0n 5 | 20 19 | 2 16 | 4 39 | 0 34 | 9 38 | 1 7 | 22 29 | 0 59 | 20 19 | 0 38 | 2 22 | 1 28 | 1 41 | 15 47 | 22 7 | 21 53 | 0 10 | 17 9 | 6 7 |
| T 10 | 20 36 | 24 43 | 1 17 | 15 37 | 0 20 | 20 30 | 2 13 | 4 20 | 0 33 | 9 33 | 1 7 | 22 29 | 0 59 | 20 19 | 0 38 | 2 21 | 1 28 | 1 41 | 15 46 | 22 7 | 21 53 | 0 13 | 17 8 | 6 7 |
| F 11 | 20 24 | 25 39 | 2 24 | 15 9 | 0 36 | 20 40 | 2 11 | 4 2 | 0 32 | 9 29 | 1 6 | 22 29 | 0 59 | 20 20 | 0 38 | 2 20 | 1 28 | 1 40 | 15 46 | 22 7 | 21 52 | 0 17 | 17 8 | 6 7 |
| S 12 | 20 11 | 25 6 | 3 22 | 14 42 | 0 53 | 20 50 | 2 8 | 3 43 | 0 31 | 9 24 | 1 6 | 22 29 | 0 59 | 20 20 | 0 38 | 2 20 | 1 28 | 1 40 | 15 46 | 22 6 | 21 52 | 0 20 | 17 7 | 6 7 |
| S 13 | 19 58 | 23 13 | 4 8 | 14 17 | 1 10 | 20 59 | 2 5 | 3 25 | 0 30 | 9 19 | 1 6 | 22 29 | 0 59 | 20 21 | 0 38 | 2 19 | 1 27 | 1 40 | 15 45 | 22 5 | 21 51 | 0 23 | 17 7 | 6 7 |
| M14 | 19 44 | 20 11 | 4 42 | 13 56 | 1 28 | 21 7 | 2 2 | 3 6 | 0 29 | 9 14 | 1 6 | 22 30 | 0 59 | 20 22 | 0 38 | 2 19 | 1 27 | 1 39 | 15 45 | 22 3 | 21 51 | 0 26 | 17 6 | 6 8 |
| T 15 | 19 30 | 16 17 | 5 0 | 13 38 | 1 45 | 21 15 | 1 59 | 2 48 | 0 28 | 9 9 | 1 6 | 22 30 | 0 59 | 20 22 | 0 38 | 2 18 | 1 27 | 1 39 | 15 45 | 22 2 | 21 50 | 0 29 | 17 6 | 6 8 |
| W16 | 19 16 | 11 46 | 5 5 | 13 23 | 2 3 | 21 23 | 1 56 | 2 29 | 0 27 | 9 4 | 1 6 | 22 30 | 0 59 | 20 23 | 0 38 | 2 17 | 1 27 | 1 39 | 15 44 | 22 0 | 21 50 | 0 32 | 17 5 | 6 8 |
| T 17 | 19 1 | 6 51 | 4 56 | 13 12 | 2 20 | 21 29 | 1 53 | 2 11 | 0 26 | 8 59 | 1 6 | 22 30 | 0 59 | 20 23 | 0 38 | 2 17 | 1 27 | 1 38 | 15 44 | 21 59 | 21 49 | 0 35 | 17 4 | 6 8 |
| F 18 | 18 46 | 1 46 | 4 34 | 13 5 | 2 36 | 21 36 | 1 50 | 1 52 | 0 25 | 8 54 | 1 6 | 22 30 | 0 59 | 20 24 | 0 38 | 2 16 | 1 27 | 1 38 | 15 43 | 21 58 | 21 49 | 0 38 | 17 4 | 6 9 |
| S 19 | 18 31 | 3s22 | 4 0 | 13 3 | 2 51 | 21 41 | 1 46 | 1 34 | 0 24 | 8 48 | 1 6 | 22 30 | 0 59 | 20 25 | 0 38 | 2 15 | 1 27 | 1 37 | 15 43 | 21 57 | 21 48 | 0 41 | 17 3 | 6 9 |
| S 20 | 18 15 | 8 22 | 3 16 | 13 4 | 3 5 | 21 46 | 1 43 | 1 15 | 0 23 | 8 43 | 1 6 | 22 30 | 0 59 | 20 25 | 0 38 | 2 15 | 1 27 | 1 37 | 15 43 | 21 57 | 21 48 | 0 44 | 17 2 | 6 9 |
| M21 | 17 59 | 13 7 | 2 23 | 13 9 | 3 17 | 21 51 | 1 40 | 0 57 | 0 23 | 8 38 | 1 6 | 22 31 | 0 59 | 20 26 | 0 38 | 2 14 | 1 27 | 1 37 | 15 42 | 21 57 | 21 47 | 0 47 | 17 2 | 6 9 |
| T 22 | 17 43 | 17 26 | 1 23 | 13 17 | 3 27 | 21 55 | 1 37 | 0 38 | 0 22 | 8 33 | 1 6 | 22 31 | 0 59 | 20 26 | 0 38 | 2 13 | 1 27 | 1 36 | 15 42 | 21 57 | 21 47 | 0 50 | 17 1 | 6 10 |
| W23 | 17 26 | 21 5 | 0 18 | 13 29 | 3 35 | 21 58 | 1 33 | 0 20 | 0 21 | 8 28 | 1 6 | 22 31 | 0 59 | 20 27 | 0 38 | 2 13 | 1 27 | 1 36 | 15 42 | 21 57 | 21 46 | 0 53 | 17 1 | 6 10 |
| T 24 | 17 9 | 23 51 | 0s49 | 13 43 | 3 40 | 22 1 | 1 30 | 0 1 | 0 20 | 8 22 | 1 6 | 22 31 | 0 59 | 20 27 | 0 38 | 2 12 | 1 27 | 1 35 | 15 41 | 21 57 | 21 46 | 0 56 | 17 0 | 6 10 |
| F 25 | 16 52 | 25 26 | 1 55 | 13 59 | 3 43 | 22 3 | 1 26 | 0n17 | 0 19 | 8 17 | 1 5 | 22 31 | 0 59 | 20 28 | 0 38 | 2 11 | 1 27 | 1 35 | 15 41 | 21 57 | 21 45 | 0 59 | 16 59 | 6 11 |
| S 26 | 16 34 | 25 36 | 2 58 | 14 17 | 3 44 | 22 4 | 1 23 | 0 35 | 0 18 | 8 12 | 1 5 | 22 31 | 0 59 | 20 29 | 0 38 | 2 11 | 1 27 | 1 35 | 15 41 | 21 56 | 21 45 | 1 2 | 16 59 | 6 11 |
| S 27 | 16 17 | 24 12 | 3 51 | 14 36 | 3 42 | 22 5 | 1 20 | 0 54 | 0 17 | 8 7 | 1 5 | 22 31 | 0 59 | 20 29 | 0 38 | 2 10 | 1 27 | 1 34 | 15 40 | 21 55 | 21 44 | 1 5 | 16 58 | 6 11 |
| M28 | 15 59 | 21 14 | 4 32 | 14 55 | 3 38 | 22 5 | 1 16 | 1 12 | 0 16 | 8 1 | 1 5 | 22 31 | 0 59 | 20 30 | 0 38 | 2 9 | 1 27 | 1 34 | 15 40 | 21 53 | 21 44 | 1 9 | 16 57 | 6 12 |
| T 29 | 15 40 | 16 53 | 4 56 | 15 15 | 3 33 | 22 5 | 1 13 | 1 30 | 0 16 | 7 56 | 1 5 | 22 31 | 0 59 | 20 30 | 0 38 | 2 8 | 1 27 | 1 33 | 15 40 | 21 52 | 21 43 | 1 12 | 16 57 | 6 12 |
| W30 | 15 22 | 11 29 | 5 1 | 15 35 | 3 25 | 22 4 | 1 9 | 1 49 | 0 15 | 7 51 | 1 5 | 22 32 | 0 59 | 20 31 | 0 38 | 2 8 | 1 27 | 1 33 | 15 39 | 21 50 | 21 43 | 1 15 | 16 56 | 6 12 |
| T 31 | 15s 3 | 5s24 | 4s46 | 15s54 | 3n17 | 22s 2 | 1n 6 | 2n 7 | 0s14 | 7s45 | 1s 5 | 22s32 | 0n59 | 20n31 | 0n38 | 2s 7 | 1s27 | 1s32 | 15s39 | 21n48 | 21n42 | 1s18 | 16s55 | 6n13 |

Julian Day Number = 2221450.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'09, Lahiri = 15°04'10 Julian Calendar 1 Jan. 1370 == Greg. Calendar 9 Jan. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## FEBRUARY 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 15 58 | 20♒26'11 | 12♈ 5 | 4°R25 | 11♑28 | 6♈34 | 13♓ 6 | 28♐ 9 | 1°R25 | 28♓ 4 | 5♉ 1 | 8°R25 | 7♊51 | 13♎10 | 10♑31 | F 1 |
| S 2 | 9 19 55 | 21°26'42 | 26°35 | 3♒57 | 12°40 | 7°18 | 13°20 | 28°14 | 1♏23 | 28° 6 | 5° 2 | 8♊21 | 7°48 | 13°17 | 10°36 | S 2 |
| S 3 | 9 23 52 | 22°27'10 | 10♉49 | 3°35 | 13°52 | 8° 2 | 13°34 | 28°19 | 1°20 | 28° 8 | 5° 2 | 8°19 | 7°45 | 13°24 | 10°41 | S 3 |
| M 4 | 9 27 48 | 23°27'37 | 24°46 | 3°22 | 15° 4 | 8°46 | 13°48 | 28°24 | 1°18 | 28°10 | 5° 3 | 8°D18 | 7°42 | 13°30 | 10°45 | M 4 |
| T 5 | 9 31 45 | 24°28'02 | 8♊26 | 3°D15 | 16°16 | 9°29 | 14° 2 | 28°29 | 1°16 | 28°12 | 5° 3 | 8°R18 | 7°38 | 13°37 | 10°50 | T 5 |
| W 6 | 9 35 41 | 25°28'25 | 21°51 | 3°16 | 17°28 | 10°13 | 14°17 | 28°34 | 1°13 | 28°14 | 5° 4 | 8°18 | 7°35 | 13°44 | 10°55 | W 6 |
| T 7 | 9 39 38 | 26°28'46 | 5♋ 2 | 3°23 | 18°41 | 10°57 | 14°31 | 28°39 | 1°11 | 28°16 | 5° 4 | 8°15 | 7°32 | 13°50 | 10°59 | T 7 |
| F 8 | 9 43 34 | 27°29'05 | 18° 1 | 3°36 | 19°53 | 11°40 | 14°45 | 28°44 | 1° 9 | 28°18 | 5° 5 | 8°10 | 7°29 | 13°57 | 11° 3 | F 8 |
| S 9 | 9 47 31 | 28°29'22 | 0♌49 | 3°55 | 21° 5 | 12°24 | 14°59 | 28°48 | 1° 6 | 28°20 | 5° 6 | 8° 2 | 7°26 | 14° 4 | 11° 8 | S 9 |
| S 10 | 9 51 28 | 29°29'37 | 13°27 | 4°20 | 22°17 | 13° 7 | 15°13 | 28°53 | 1° 4 | 28°22 | 5° 6 | 7°50 | 7°22 | 14°10 | 11°12 | S 10 |
| M11 | 9 55 24 | 0♓29'50 | 25°55 | 4°49 | 23°30 | 13°51 | 15°28 | 28°57 | 1° 2 | 28°24 | 5° 7 | 7°37 | 7°19 | 14°17 | 11°17 | M11 |
| T 12 | 9 59 21 | 1°30'02 | 8♍13 | 5°24 | 24°42 | 14°34 | 15°42 | 29° 2 | 1° 0 | 28°26 | 5° 8 | 7°23 | 7°16 | 14°24 | 11°21 | T 12 |
| W13 | 10 3 17 | 2°30'11 | 20°22 | 6° 2 | 25°55 | 15°18 | 15°56 | 29° 6 | 0°58 | 28°28 | 5° 8 | 7° 9 | 7°13 | 14°30 | 11°25 | W13 |
| T 14 | 10 7 14 | 3°30'19 | 2♎22 | 6°45 | 27° 7 | 16° 1 | 16°11 | 29°11 | 0°56 | 28°30 | 5° 9 | 6°56 | 7°10 | 14°37 | 11°29 | T 14 |
| F 15 | 10 11 10 | 4°30'25 | 14°16 | 7°31 | 28°20 | 16°44 | 16°25 | 29°15 | 0°54 | 28°32 | 5°10 | 6°45 | 7° 7 | 14°44 | 11°33 | F 15 |
| S 16 | 10 15 7 | 5°30'29 | 26° 6 | 8°21 | 29°32 | 17°28 | 16°39 | 29°19 | 0°51 | 28°34 | 5°10 | 6°38 | 7° 3 | 14°51 | 11°37 | S 16 |
| S 17 | 10 19 3 | 6°30'31 | 7♏54 | 9°14 | 0♒45 | 18°11 | 16°54 | 29°23 | 0°49 | 28°36 | 5°11 | 6°33 | 7° 0 | 14°57 | 11°41 | S 17 |
| M18 | 10 23 0 | 7°30'32 | 19°47 | 10°10 | 1°57 | 18°54 | 17° 8 | 29°27 | 0°48 | 28°38 | 5°12 | 6°31 | 6°57 | 15° 4 | 11°45 | M18 |
| T 19 | 10 26 56 | 8°30'32 | 1♐48 | 11° 9 | 3°10 | 19°37 | 17°22 | 29°31 | 0°46 | 28°41 | 5°13 | 6°30 | 6°54 | 15°11 | 11°49 | T 19 |
| W20 | 10 30 53 | 9°30'29 | 14° 3 | 12°11 | 4°22 | 20°20 | 17°37 | 29°35 | 0°44 | 28°43 | 5°14 | 6°30 | 6°51 | 15°17 | 11°53 | W20 |
| T 21 | 10 34 50 | 10°30'25 | 26°37 | 13°15 | 5°35 | 21° 3 | 17°51 | 29°38 | 0°42 | 28°45 | 5°15 | 6°29 | 6°47 | 15°24 | 11°56 | T 21 |
| F 22 | 10 38 46 | 11°30'20 | 9♑35 | 14°21 | 6°48 | 21°46 | 18° 6 | 29°42 | 0°40 | 28°47 | 5°15 | 6°27 | 6°44 | 15°31 | 12° 0 | F 22 |
| S 23 | 10 42 43 | 12°30'12 | 23° 2 | 15°30 | 8° 1 | 22°29 | 18°20 | 29°46 | 0°38 | 28°49 | 5°16 | 6°22 | 6°41 | 15°37 | 12° 4 | S 23 |
| S 24 | 10 46 39 | 13°30'03 | 6♒58 | 16°41 | 9°13 | 23°12 | 18°35 | 29°49 | 0°37 | 28°51 | 5°17 | 6°15 | 6°38 | 15°44 | 12° 7 | S 24 |
| M25 | 10 50 36 | 14°29'52 | 21°22 | 17°54 | 10°26 | 23°55 | 18°49 | 29°53 | 0°35 | 28°54 | 5°18 | 6° 5 | 6°35 | 15°51 | 12°11 | M25 |
| T 26 | 10 54 32 | 15°29'39 | 6♓10 | 19° 8 | 11°39 | 24°38 | 19° 4 | 29°56 | 0°33 | 28°56 | 5°19 | 5°54 | 6°32 | 15°58 | 12°14 | T 26 |
| W27 | 10 58 29 | 16°29'24 | 21°13 | 20°25 | 12°52 | 25°21 | 19°18 | 29°59 | 0°32 | 28°58 | 5°20 | 5°42 | 6°28 | 16° 4 | 12°17 | W27 |
| T 28 | 11 2 25 | 17♓29'07 | 6♈22 | 21♒43 | 14♒ 4 | 26♈ 4 | 19♓33 | 0♑ 2 | 0♏30 | 29♓ 0 | 5♉21 | 5♊32 | 6♊25 | 16♎11 | 12♑21 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s44 | 0n56 | 4s12 | 16s12 | 3n 7 | 22s 0 | 1n 2 | 2n25 | 0s13 | 7s40 | 1s 5 | 22s32 | 0n59 | 20n32 | 0n38 | 2s 6 | 1s27 | 1s32 | 15s39 | 21n47 | 21n42 | 1s21 | 16s54 | 6n13 |
| S 2 | 14 24 | 7 9 | 3 22 | 16 29 | 2 56 | 21 57 | 0 59 | 2 43 | 0 12 | 7 34 | 1 5 | 22 32 | 0 59 | 20 32 | 0 38 | 2 5 | 1 27 | 1 31 | 15 38 | 21 46 | 21 41 | 1 24 | 16 54 | 6 13 |
| S 3 | 14 5 | 12 54 | 2 20 | 16 45 | 2 44 | 21 53 | 0 55 | 3 1 | 0 11 | 7 29 | 1 5 | 22 32 | 0 59 | 20 33 | 0 38 | 2 4 | 1 27 | 1 31 | 15 38 | 21 46 | 21 41 | 1 27 | 16 53 | 6 14 |
| M 4 | 13 45 | 17 53 | 1 11 | 17 0 | 2 32 | 21 49 | 0 52 | 3 19 | 0 11 | 7 23 | 1 5 | 22 32 | 0 59 | 20 34 | 0 38 | 2 4 | 1 27 | 1 30 | 15 38 | 21 46 | 21 40 | 1 30 | 16 52 | 6 14 |
| T 5 | 13 25 | 21 48 | 0n 1 | 17 14 | 2 19 | 21 44 | 0 48 | 3 37 | 0 10 | 7 18 | 1 5 | 22 32 | 0 59 | 20 34 | 0 38 | 2 3 | 1 27 | 1 30 | 15 37 | 21 46 | 21 40 | 1 33 | 16 52 | 6 14 |
| W 6 | 13 4 | 24 27 | 1 11 | 17 27 | 2 7 | 21 38 | 0 45 | 3 55 | 0 9 | 7 12 | 1 5 | 22 32 | 0 59 | 20 35 | 0 38 | 2 2 | 1 27 | 1 29 | 15 37 | 21 46 | 21 39 | 1 36 | 16 51 | 6 15 |
| T 7 | 12 44 | 25 42 | 2 16 | 17 37 | 1 54 | 21 32 | 0 41 | 4 13 | 0 8 | 7 7 | 1 5 | 22 32 | 0 59 | 20 35 | 0 38 | 2 1 | 1 27 | 1 29 | 15 37 | 21 46 | 21 39 | 1 39 | 16 50 | 6 15 |
| F 8 | 12 23 | 25 30 | 3 13 | 17 47 | 1 41 | 21 25 | 0 38 | 4 31 | 0 7 | 7 1 | 1 5 | 22 32 | 0 59 | 20 36 | 0 38 | 2 0 | 1 27 | 1 29 | 15 36 | 21 45 | 21 38 | 1 42 | 16 49 | 6 16 |
| S 9 | 12 2 | 23 56 | 4 0 | 17 55 | 1 28 | 21 18 | 0 34 | 4 49 | 0 6 | 6 56 | 1 5 | 22 32 | 0 59 | 20 36 | 0 38 | 2 0 | 1 27 | 1 28 | 15 36 | 21 43 | 21 37 | 1 45 | 16 49 | 6 16 |
| S 10 | 11 41 | 21 12 | 4 33 | 18 2 | 1 15 | 21 10 | 0 31 | 5 7 | 0 6 | 6 50 | 1 5 | 22 32 | 0 59 | 20 37 | 0 38 | 1 59 | 1 27 | 1 28 | 15 36 | 21 42 | 21 37 | 1 48 | 16 48 | 6 16 |
| M11 | 11 20 | 17 31 | 4 53 | 18 7 | 1 3 | 21 1 | 0 27 | 5 24 | 0 5 | 6 45 | 1 5 | 22 32 | 0 59 | 20 37 | 0 38 | 1 58 | 1 27 | 1 27 | 15 35 | 21 39 | 21 36 | 1 51 | 16 47 | 6 17 |
| T 12 | 10 59 | 13 8 | 4 59 | 18 11 | 0 50 | 20 52 | 0 24 | 5 42 | 0 4 | 6 39 | 1 5 | 22 32 | 0 59 | 20 37 | 0 38 | 1 57 | 1 27 | 1 26 | 15 35 | 21 37 | 21 36 | 1 55 | 16 46 | 6 17 |
| W13 | 10 37 | 8 18 | 4 52 | 18 13 | 0 38 | 20 42 | 0 20 | 6 0 | 0 3 | 6 34 | 1 5 | 22 32 | 0 59 | 20 38 | 0 38 | 1 56 | 1 27 | 1 26 | 15 35 | 21 35 | 21 35 | 1 58 | 16 46 | 6 18 |
| T 14 | 10 15 | 3 12 | 4 31 | 18 13 | 0 26 | 20 32 | 0 17 | 6 17 | 0 3 | 6 28 | 1 5 | 22 32 | 0 59 | 20 38 | 0 38 | 1 55 | 1 27 | 1 25 | 15 35 | 21 33 | 21 35 | 2 1 | 16 45 | 6 18 |
| F 15 | 9 53 | 1s59 | 3 59 | 18 13 | 0 15 | 20 21 | 0 13 | 6 34 | 0 2 | 6 22 | 1 5 | 22 32 | 0 59 | 20 39 | 0 38 | 1 55 | 1 27 | 1 25 | 15 34 | 21 31 | 21 34 | 2 4 | 16 44 | 6 18 |
| S 16 | 9 31 | 7 4 | 3 16 | 18 11 | 0 4 | 20 9 | 0 10 | 6 52 | 0 1 | 6 17 | 1 5 | 22 32 | 0 59 | 20 39 | 0 38 | 1 54 | 1 27 | 1 24 | 15 34 | 21 29 | 21 34 | 2 7 | 16 43 | 6 19 |
| S 17 | 9 9 | 11 54 | 2 25 | 18 7 | 0s 7 | 19 57 | 0 7 | 7 9 | 0 0 | 6 11 | 1 5 | 22 32 | 0 59 | 20 40 | 0 38 | 1 53 | 1 27 | 1 24 | 15 34 | 21 29 | 21 33 | 2 10 | 16 43 | 6 19 |
| M18 | 8 47 | 16 21 | 1 27 | 18 2 | 0 17 | 19 44 | 0 3 | 7 26 | 0n 1 | 6 6 | 1 5 | 22 32 | 0 59 | 20 40 | 0 38 | 1 52 | 1 27 | 1 23 | 15 33 | 21 28 | 21 33 | 2 13 | 16 42 | 6 20 |
| T 19 | 8 24 | 20 11 | 0 25 | 17 55 | 0 27 | 19 31 | 0 0 | 7 43 | 0 1 | 6 0 | 1 5 | 22 32 | 0 59 | 20 40 | 0 38 | 1 51 | 1 27 | 1 23 | 15 33 | 21 28 | 21 32 | 2 16 | 16 41 | 6 20 |
| W20 | 8 2 | 23 14 | 0s40 | 17 47 | 0 36 | 19 17 | 0s 3 | 8 0 | 0 2 | 5 54 | 1 5 | 22 32 | 0 59 | 20 41 | 0 38 | 1 50 | 1 27 | 1 22 | 15 33 | 21 28 | 21 32 | 2 19 | 16 40 | 6 21 |
| T 21 | 7 39 | 25 13 | 1 44 | 17 38 | 0 46 | 19 2 | 0 6 | 8 17 | 0 3 | 5 49 | 1 5 | 22 32 | 0 59 | 20 41 | 0 38 | 1 49 | 1 27 | 1 22 | 15 32 | 21 28 | 21 31 | 2 22 | 16 39 | 6 21 |
| F 22 | 7 16 | 25 55 | 2 45 | 17 27 | 0 54 | 18 47 | 0 9 | 8 34 | 0 4 | 5 43 | 1 5 | 22 32 | 0 59 | 20 42 | 0 38 | 1 48 | 1 27 | 1 21 | 15 32 | 21 28 | 21 31 | 2 25 | 16 39 | 6 22 |
| S 23 | 6 54 | 25 9 | 3 40 | 17 15 | 1 3 | 18 32 | 0 13 | 8 51 | 0 4 | 5 37 | 1 5 | 22 32 | 0 59 | 20 42 | 0 38 | 1 48 | 1 27 | 1 21 | 15 32 | 21 27 | 21 30 | 2 28 | 16 38 | 6 22 |
| S 24 | 6 31 | 22 50 | 4 23 | 17 1 | 1 11 | 18 16 | 0 16 | 9 8 | 0 5 | 5 32 | 1 5 | 22 32 | 0 59 | 20 42 | 0 38 | 1 47 | 1 27 | 1 20 | 15 32 | 21 26 | 21 30 | 2 32 | 16 37 | 6 23 |
| M25 | 6 7 | 19 1 | 4 51 | 16 46 | 1 18 | 17 59 | 0 19 | 9 24 | 0 6 | 5 26 | 1 5 | 22 32 | 0 59 | 20 43 | 0 38 | 1 46 | 1 27 | 1 20 | 15 31 | 21 24 | 21 29 | 2 35 | 16 36 | 6 23 |
| T 26 | 5 44 | 13 56 | 5 1 | 16 29 | 1 25 | 17 42 | 0 22 | 9 41 | 0 6 | 5 20 | 1 5 | 22 32 | 0 59 | 20 43 | 0 38 | 1 45 | 1 27 | 1 19 | 15 31 | 21 22 | 21 28 | 2 38 | 16 35 | 6 23 |
| W27 | 5 21 | 7 56 | 4 50 | 16 11 | 1 32 | 17 24 | 0 25 | 9 57 | 0 7 | 5 14 | 1 5 | 22 32 | 0 59 | 20 43 | 0 38 | 1 44 | 1 27 | 1 19 | 15 31 | 21 20 | 21 28 | 2 41 | 16 35 | 6 24 |
| T 28 | 4s58 | 1s25 | 4s19 | 15s52 | 1s38 | 17s 6 | 0s28 | 10n13 | 0n 8 | 5s 9 | 1s 5 | 22s32 | 0n59 | 20n44 | 0n38 | 1s43 | 1s27 | 1s18 | 15s31 | 21n18 | 21n27 | 2s44 | 16s34 | 6n24 |

Julian Day Number = 2221481.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'14, Lahiri = 15°04'14 Julian Calendar 1 Feb. 1370 == Greg. Calendar 9 Feb. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## MARCH 1370 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 6 22 | 18♓28'48 | 21♈27 | 23♒ 3 | 15♒17 | 26♈47 | 19♓47 | 0♑ 5 | 0°R29 | 29♓ 3 | 5♉22 | 5°R24 | 6♊22 | 16♎18 | 12♑24 | F 1 |
| S 2 | 11 10 19 | 19°28'27 | 6♉18 | 24°25 | 16°30 | 27°29 | 20° 2 | 0° 8 | 0♌27 | 29° 5 | 5°23 | 5♊18 | 6°19 | 16°24 | 12°27 | S 2 |
| S 3 | 11 14 15 | 20°28'03 | 20°48 | 25°48 | 17°43 | 28°12 | 20°16 | 0°11 | 0°26 | 29° 7 | 5°24 | 5°16 | 6°16 | 16°31 | 12°30 | S 3 |
| M 4 | 11 18 12 | 21°27'37 | 4♊56 | 27°12 | 18°56 | 28°55 | 20°31 | 0°14 | 0°24 | 29° 9 | 5°25 | 5°D15 | 6°13 | 16°38 | 12°33 | M 4 |
| T 5 | 11 22 8 | 22°27'09 | 18°40 | 28°39 | 20° 9 | 29°37 | 20°45 | 0°17 | 0°23 | 29°12 | 5°26 | 5°R15 | 6° 9 | 16°44 | 12°36 | T 5 |
| W 6 | 11 26 5 | 23°26'39 | 2♋ 2 | 0♓ 6 | 21°22 | 0♉20 | 21° 0 | 0°19 | 0°22 | 29°14 | 5°27 | 5°15 | 6° 6 | 16°51 | 12°39 | W 6 |
| T 7 | 11 30 1 | 24°26'06 | 15° 5 | 1°36 | 22°35 | 1° 2 | 21°14 | 0°22 | 0°20 | 29°16 | 5°28 | 5°13 | 6° 3 | 16°58 | 12°42 | T 7 |
| F 8 | 11 33 58 | 25°25'31 | 27°52 | 3° 6 | 23°47 | 1°45 | 21°29 | 0°24 | 0°19 | 29°18 | 5°29 | 5° 9 | 6° 0 | 17° 4 | 12°45 | F 8 |
| S 9 | 11 37 54 | 26°24'53 | 10♌26 | 4°38 | 25° 0 | 2°27 | 21°43 | 0°27 | 0°18 | 29°21 | 5°30 | 5° 2 | 5°57 | 17°11 | 12°47 | S 9 |
| S 10 | 11 41 51 | 27°24'13 | 22°48 | 6°11 | 26°13 | 3°10 | 21°58 | 0°29 | 0°17 | 29°23 | 5°31 | 4°53 | 5°53 | 17°18 | 12°50 | S 10 |
| M11 | 11 45 48 | 28°23'31 | 5♍ 1 | 7°46 | 27°26 | 3°52 | 22°12 | 0°31 | 0°16 | 29°25 | 5°32 | 4°41 | 5°50 | 17°24 | 12°52 | M11 |
| T 12 | 11 49 44 | 29°22'46 | 17° 7 | 9°22 | 28°39 | 4°34 | 22°27 | 0°33 | 0°15 | 29°27 | 5°33 | 4°29 | 5°47 | 17°31 | 12°55 | T 12 |
| W13 | 11 53 41 | 0♈22'00 | 29° 7 | 11° 0 | 29°52 | 5°16 | 22°41 | 0°35 | 0°14 | 29°30 | 5°35 | 4°16 | 5°44 | 17°38 | 12°57 | W13 |
| T 14 | 11 57 37 | 1°21'11 | 11♎ 1 | 12°39 | 1♓ 5 | 5°59 | 22°56 | 0°37 | 0°13 | 29°32 | 5°36 | 4° 5 | 5°41 | 17°45 | 12°59 | T 14 |
| F 15 | 12 1 34 | 2°20'20 | 22°52 | 14°19 | 2°18 | 6°41 | 23°10 | 0°39 | 0°12 | 29°34 | 5°37 | 3°56 | 5°38 | 17°51 | 13° 2 | F 15 |
| S 16 | 12 5 30 | 3°19'28 | 4♏41 | 16° 1 | 3°31 | 7°23 | 23°24 | 0°40 | 0°12 | 29°37 | 5°38 | 3°50 | 5°34 | 17°58 | 13° 4 | S 16 |
| S 17 | 12 9 27 | 4°18'33 | 16°31 | 17°45 | 4°44 | 8° 5 | 23°39 | 0°42 | 0°11 | 29°39 | 5°39 | 3°45 | 5°31 | 18° 5 | 13° 6 | S 17 |
| M18 | 12 13 23 | 5°17'37 | 28°25 | 19°29 | 5°57 | 8°47 | 23°53 | 0°44 | 0°10 | 29°41 | 5°40 | 3°D44 | 5°28 | 18°11 | 13° 8 | M18 |
| T 19 | 12 17 20 | 6°16'39 | 10♐27 | 21°15 | 7°10 | 9°29 | 24° 7 | 0°45 | 0° 9 | 29°43 | 5°42 | 3°44 | 5°25 | 18°18 | 13°10 | T 19 |
| W20 | 12 21 16 | 7°15'38 | 22°42 | 23° 3 | 8°24 | 10°11 | 24°22 | 0°46 | 0° 9 | 29°46 | 5°43 | 3°45 | 5°22 | 18°25 | 13°12 | W20 |
| T 21 | 12 25 13 | 8°14'37 | 5♑14 | 24°52 | 9°37 | 10°53 | 24°36 | 0°47 | 0° 8 | 29°48 | 5°44 | 3°R45 | 5°19 | 18°31 | 13°13 | T 21 |
| F 22 | 12 29 10 | 9°13'33 | 18° 8 | 26°42 | 10°50 | 11°35 | 24°50 | 0°49 | 0° 8 | 29°50 | 5°45 | 3°45 | 5°15 | 18°38 | 13°15 | F 22 |
| S 23 | 12 33 6 | 10°12'28 | 1♒28 | 28°34 | 12° 3 | 12°16 | 25° 5 | 0°50 | 0° 7 | 29°52 | 5°47 | 3°43 | 5°12 | 18°45 | 13°17 | S 23 |
| S 24 | 12 37 3 | 11°11'21 | 15°17 | 0♈28 | 13°16 | 12°58 | 25°19 | 0°50 | 0° 7 | 29°55 | 5°48 | 3°39 | 5° 9 | 18°51 | 13°18 | S 24 |
| M25 | 12 40 59 | 12°10'12 | 29°36 | 2°23 | 14°29 | 13°40 | 25°33 | 0°51 | 0° 7 | 29°57 | 5°49 | 3°33 | 5° 6 | 18°58 | 13°20 | M25 |
| T 26 | 12 44 56 | 13° 9'01 | 14♓20 | 4°19 | 15°42 | 14°22 | 25°47 | 0°52 | 0° 7 | 29°59 | 5°50 | 3°25 | 5° 3 | 19° 5 | 13°21 | T 26 |
| W27 | 12 48 52 | 14° 7'48 | 29°25 | 6°17 | 16°55 | 15° 3 | 26° 1 | 0°53 | 0° 6 | 0♈ 1 | 5°52 | 3°18 | 4°59 | 19°11 | 13°23 | W27 |
| T 28 | 12 52 49 | 15° 6'34 | 14♈41 | 8°16 | 18° 8 | 15°45 | 26°15 | 0°53 | 0° 6 | 0° 4 | 5°53 | 3°11 | 4°56 | 19°18 | 13°24 | T 28 |
| F 29 | 12 56 45 | 16° 5'17 | 29°56 | 10°17 | 19°22 | 16°27 | 26°29 | 0°53 | 0° 6 | 0° 6 | 5°54 | 3° 5 | 4°53 | 19°25 | 13°25 | F 29 |
| S 30 | 13 0 42 | 17° 3'58 | 15♉ 1 | 12°19 | 20°35 | 17° 8 | 26°44 | 0°54 | 0°D 6 | 0° 8 | 5°55 | 3° 2 | 4°50 | 19°32 | 13°26 | S 30 |
| S 31 | 13 4 39 | 18♈ 2'38 | 29♉47 | 14♈22 | 21♓48 | 17♉50 | 26♓58 | 0♑54 | 0♌ 6 | 0♈10 | 5♉57 | 3°D 1 | 4♊47 | 19♎38 | 13♑27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s34 | 5n 9 | 3s30 | 15s31 | 1s44 | 16s48 | 0s31 | 10n30 | 0n 9 | 5s 3 | 1s 5 | 22s32 | 0n59 | 20n44 | 0n38 | 1s42 | 1s27 | 1s17 | 15s30 | 21n17 | 21n27 | 2s47 | 16s33 | 6n25 |
| S 2 | 4 11 | 11 21 | 2 27 | 15 9 | 1 50 | 16 29 | 0 33 | 10 46 | 0 9 | 4 57 | 1 5 | 22 32 | 0 59 | 20 44 | 0 38 | 1 41 | 1 27 | 1 17 | 15 30 | 21 16 | 21 26 | 2 50 | 16 32 | 6 25 |
| S 3 | 3 47 | 16 48 | 1 16 | 14 46 | 1 55 | 16 9 | 0 36 | 11 2 | 0 10 | 4 52 | 1 5 | 22 32 | 0 59 | 20 45 | 0 38 | 1 40 | 1 27 | 1 16 | 15 30 | 21 15 | 21 26 | 2 53 | 16 32 | 6 26 |
| M 4 | 3 24 | 21 10 | 0 2 | 14 21 | 1 59 | 15 49 | 0 39 | 11 17 | 0 11 | 4 46 | 1 5 | 22 32 | 0 59 | 20 45 | 0 38 | 1 40 | 1 27 | 1 16 | 15 30 | 21 15 | 21 25 | 2 56 | 16 31 | 6 27 |
| T 5 | 3 0 | 24 12 | 1n11 | 13 55 | 2 3 | 15 29 | 0 42 | 11 33 | 0 11 | 4 40 | 1 5 | 22 32 | 0 59 | 20 45 | 0 38 | 1 39 | 1 27 | 1 15 | 15 29 | 21 15 | 21 25 | 2 59 | 16 30 | 6 27 |
| W 6 | 2 37 | 25 47 | 2 17 | 13 27 | 2 7 | 15 8 | 0 44 | 11 49 | 0 12 | 4 35 | 1 5 | 22 32 | 0 59 | 20 45 | 0 38 | 1 38 | 1 27 | 1 15 | 15 29 | 21 15 | 21 24 | 3 2 | 16 29 | 6 28 |
| T 7 | 2 13 | 25 53 | 3 15 | 12 58 | 2 10 | 14 46 | 0 47 | 12 4 | 0 13 | 4 29 | 1 5 | 22 32 | 0 59 | 20 46 | 0 38 | 1 37 | 1 27 | 1 14 | 15 29 | 21 15 | 21 24 | 3 5 | 16 28 | 6 28 |
| F 8 | 1 49 | 24 36 | 4 1 | 12 28 | 2 13 | 14 25 | 0 49 | 12 20 | 0 13 | 4 23 | 1 5 | 22 32 | 0 59 | 20 46 | 0 38 | 1 36 | 1 27 | 1 14 | 15 29 | 21 14 | 21 23 | 3 9 | 16 28 | 6 29 |
| S 9 | 1 26 | 22 6 | 4 35 | 11 57 | 2 16 | 14 3 | 0 52 | 12 35 | 0 14 | 4 17 | 1 5 | 22 32 | 0 59 | 20 46 | 0 38 | 1 35 | 1 27 | 1 13 | 15 28 | 21 13 | 21 22 | 3 12 | 16 27 | 6 29 |
| S 10 | 1 2 | 18 37 | 4 56 | 11 24 | 2 18 | 13 40 | 0 54 | 12 50 | 0 15 | 4 12 | 1 5 | 22 32 | 1 0 | 20 46 | 0 38 | 1 34 | 1 27 | 1 13 | 15 28 | 21 11 | 21 22 | 3 15 | 16 26 | 6 30 |
| M11 | 0 38 | 14 23 | 5 2 | 10 50 | 2 19 | 13 17 | 0 56 | 13 5 | 0 15 | 4 6 | 1 5 | 22 32 | 1 0 | 20 47 | 0 38 | 1 33 | 1 27 | 1 12 | 15 28 | 21 9 | 21 21 | 3 18 | 16 25 | 6 30 |
| T 12 | 0 15 | 9 37 | 4 55 | 10 14 | 2 20 | 12 54 | 0 59 | 13 20 | 0 16 | 4 0 | 1 5 | 22 32 | 1 0 | 20 47 | 0 38 | 1 32 | 1 27 | 1 11 | 15 28 | 21 7 | 21 21 | 3 21 | 16 25 | 6 31 |
| W13 | 0n 9 | 4 33 | 4 35 | 9 38 | 2 21 | 12 30 | 1 1 | 13 35 | 0 17 | 3 55 | 1 5 | 22 32 | 1 0 | 20 47 | 0 38 | 1 31 | 1 27 | 1 11 | 15 28 | 21 4 | 21 20 | 3 24 | 16 24 | 6 31 |
| T 14 | 0 32 | 0s39 | 4 3 | 9 0 | 2 21 | 12 6 | 1 3 | 13 50 | 0 17 | 3 49 | 1 5 | 22 32 | 1 0 | 20 47 | 0 37 | 1 31 | 1 27 | 1 10 | 15 27 | 21 2 | 21 20 | 3 27 | 16 23 | 6 32 |
| F 15 | 0 56 | 5 50 | 3 20 | 8 21 | 2 20 | 11 42 | 1 5 | 14 5 | 0 18 | 3 43 | 1 5 | 22 32 | 1 0 | 20 47 | 0 37 | 1 30 | 1 27 | 1 10 | 15 27 | 21 1 | 21 19 | 3 30 | 16 22 | 6 32 |
| S 16 | 1 20 | 10 48 | 2 29 | 7 40 | 2 19 | 11 18 | 1 7 | 14 19 | 0 19 | 3 38 | 1 5 | 22 32 | 1 0 | 20 47 | 0 37 | 1 29 | 1 27 | 1 9 | 15 27 | 20 59 | 21 18 | 3 33 | 16 22 | 6 33 |
| S 17 | 1 43 | 15 23 | 1 31 | 6 58 | 2 18 | 10 53 | 1 9 | 14 33 | 0 19 | 3 32 | 1 5 | 22 32 | 1 0 | 20 47 | 0 37 | 1 28 | 1 27 | 1 9 | 15 27 | 20 59 | 21 18 | 3 36 | 16 21 | 6 34 |
| M18 | 2 7 | 19 25 | 0 28 | 6 16 | 2 16 | 10 28 | 1 11 | 14 47 | 0 20 | 3 26 | 1 5 | 22 31 | 1 0 | 20 48 | 0 37 | 1 27 | 1 27 | 1 8 | 15 27 | 20 58 | 21 17 | 3 39 | 16 20 | 6 34 |
| T 19 | 2 30 | 22 41 | 0s36 | 5 31 | 2 14 | 10 2 | 1 13 | 15 1 | 0 21 | 3 21 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 26 | 1 27 | 1 8 | 15 26 | 20 58 | 21 17 | 3 42 | 16 19 | 6 35 |
| W20 | 2 53 | 24 59 | 1 40 | 4 46 | 2 11 | 9 36 | 1 15 | 15 15 | 0 21 | 3 15 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 25 | 1 27 | 1 7 | 15 26 | 20 58 | 21 16 | 3 46 | 16 19 | 6 35 |
| T 21 | 3 17 | 26 6 | 2 41 | 4 0 | 2 7 | 9 10 | 1 16 | 15 29 | 0 22 | 3 9 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 24 | 1 27 | 1 6 | 15 26 | 20 59 | 21 16 | 3 49 | 16 18 | 6 36 |
| F 22 | 3 40 | 25 51 | 3 35 | 3 12 | 2 3 | 8 44 | 1 18 | 15 43 | 0 22 | 3 4 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 23 | 1 27 | 1 6 | 15 26 | 20 58 | 21 15 | 3 52 | 16 17 | 6 36 |
| S 23 | 4 3 | 24 7 | 4 20 | 2 23 | 1 59 | 8 17 | 1 20 | 15 56 | 0 23 | 2 58 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 22 | 1 27 | 1 5 | 15 26 | 20 58 | 21 15 | 3 55 | 16 16 | 6 37 |
| S 24 | 4 26 | 20 57 | 4 51 | 1 33 | 1 54 | 7 51 | 1 21 | 16 10 | 0 24 | 2 53 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 22 | 1 27 | 1 5 | 15 26 | 20 57 | 21 14 | 3 58 | 16 16 | 6 37 |
| M25 | 4 50 | 16 25 | 5 6 | 0 43 | 1 48 | 7 24 | 1 22 | 16 23 | 0 24 | 2 47 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 21 | 1 27 | 1 4 | 15 25 | 20 56 | 21 13 | 4 1 | 16 15 | 6 38 |
| T 26 | 5 13 | 10 49 | 5 1 | 0n 9 | 1 42 | 6 57 | 1 24 | 16 36 | 0 25 | 2 41 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 20 | 1 27 | 1 4 | 15 25 | 20 55 | 21 13 | 4 4 | 16 14 | 6 39 |
| W27 | 5 35 | 4 27 | 4 36 | 1 2 | 1 36 | 6 29 | 1 25 | 16 49 | 0 25 | 2 36 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 19 | 1 27 | 1 3 | 15 25 | 20 53 | 21 12 | 4 7 | 16 14 | 6 39 |
| T 28 | 5 58 | 2n16 | 3 51 | 1 56 | 1 29 | 6 2 | 1 26 | 17 1 | 0 26 | 2 30 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 18 | 1 27 | 1 3 | 15 25 | 20 52 | 21 12 | 4 10 | 16 13 | 6 40 |
| F 29 | 6 21 | 8 51 | 2 49 | 2 50 | 1 22 | 5 34 | 1 27 | 17 14 | 0 26 | 2 25 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 17 | 1 27 | 1 2 | 15 25 | 20 51 | 21 11 | 4 13 | 16 12 | 6 40 |
| S 30 | 6 44 | 14 52 | 1 36 | 3 45 | 1 14 | 5 6 | 1 28 | 17 27 | 0 27 | 2 19 | 1 6 | 22 31 | 1 0 | 20 48 | 0 37 | 1 16 | 1 27 | 1 2 | 15 25 | 20 50 | 21 10 | 4 17 | 16 12 | 6 41 |
| S 31 | 7n 6 | 19n53 | 0s17 | 4n41 | 1s 5 | 4s38 | 1s29 | 17n39 | 0n28 | 2s14 | 1s 6 | 22s31 | 1n 0 | 20n48 | 0n37 | 1s16 | 1s27 | 1s 1 | 15s25 | 20n50 | 21n10 | 4s20 | 16s11 | 6n42 |

Julian Day Number = 2221509.5, Delta T = 08m39s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'17, Lahiri = 15°04'18 Julian Calendar 1 March 1370 == Greg. Calendar 9 March 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## APRIL 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 8 35 | 19♈ 1'15 | 14♊ 9 | 16♈26 | 23♓ 1 | 18♉31 | 27♓12 | 0♑54 | 0♌ 6 | 0♈12 | 5♉58 | 3♊ 1 | 4♊44 | 19♎45 | 13♑28 | M 1 |
| T 2 | 13 12 32 | 19°59'50 | 28° 4 | 18°32 | 24°14 | 19°13 | 27°25 | 0°R54 | 0° 6 | 0°14 | 5°59 | 3° 2 | 4°40 | 19°52 | 13°29 | T 2 |
| W 3 | 13 16 28 | 20°58'22 | 11♋34 | 20°38 | 25°27 | 19°54 | 27°39 | 0°54 | 0° 6 | 0°17 | 6° 1 | 3° 3 | 4°37 | 19°58 | 13°30 | W 3 |
| T 4 | 13 20 25 | 21°56'53 | 24°39 | 22°45 | 26°40 | 20°35 | 27°53 | 0°54 | 0° 7 | 0°19 | 6° 2 | 3°R 4 | 4°34 | 20° 5 | 13°30 | T 4 |
| F 5 | 13 24 21 | 22°55'21 | 7♌24 | 24°53 | 27°54 | 21°17 | 28° 7 | 0°54 | 0° 7 | 0°21 | 6° 3 | 3° 2 | 4°31 | 20°12 | 13°31 | F 5 |
| S 6 | 13 28 18 | 23°53'47 | 19°52 | 27° 1 | 29° 7 | 21°58 | 28°21 | 0°53 | 0° 7 | 0°23 | 6° 5 | 3° 0 | 4°28 | 20°18 | 13°31 | S 6 |
| S 7 | 13 32 14 | 24°52'11 | 2♍ 6 | 29°10 | 0♈20 | 22°39 | 28°35 | 0°53 | 0° 8 | 0°25 | 6° 6 | 2°55 | 4°24 | 20°25 | 13°32 | S 7 |
| M 8 | 13 36 11 | 25°50'33 | 14°11 | 1♉18 | 1°33 | 23°20 | 28°48 | 0°52 | 0° 8 | 0°27 | 6° 7 | 2°49 | 4°21 | 20°32 | 13°32 | M 8 |
| T 9 | 13 40 8 | 26°48'52 | 26° 8 | 3°25 | 2°46 | 24° 1 | 29° 2 | 0°52 | 0° 9 | 0°29 | 6° 9 | 2°43 | 4°18 | 20°38 | 13°32 | T 9 |
| W10 | 13 44 4 | 27°47'10 | 8♎ 1 | 5°32 | 3°59 | 24°42 | 29°15 | 0°51 | 0° 9 | 0°31 | 6°10 | 2°36 | 4°15 | 20°45 | 13°33 | W10 |
| T 11 | 13 48 1 | 28°45'26 | 19°52 | 7°38 | 5°13 | 25°24 | 29°29 | 0°50 | 0°10 | 0°33 | 6°11 | 2°30 | 4°12 | 20°52 | 13°33 | T 11 |
| F 12 | 13 51 57 | 29°43'39 | 1♏42 | 9°43 | 6°26 | 26° 5 | 29°43 | 0°49 | 0°10 | 0°36 | 6°13 | 2°26 | 4° 9 | 20°58 | 13°R33 | F 12 |
| S 13 | 13 55 54 | 0♉41'52 | 13°33 | 11°46 | 7°39 | 26°45 | 29°56 | 0°48 | 0°11 | 0°38 | 6°14 | 2°23 | 4° 5 | 21° 5 | 13°33 | S 13 |
| S 14 | 13 59 50 | 1°40'02 | 25°28 | 13°47 | 8°52 | 27°26 | 0♈ 9 | 0°47 | 0°12 | 0°40 | 6°15 | 2°21 | 4° 2 | 21°12 | 13°33 | S 14 |
| M15 | 14 3 47 | 2°38'11 | 7♐28 | 15°46 | 10° 5 | 28° 7 | 0°23 | 0°46 | 0°13 | 0°42 | 6°17 | 2°D21 | 3°59 | 21°18 | 13°32 | M15 |
| T 16 | 14 7 43 | 3°36'18 | 19°37 | 17°42 | 11°18 | 28°48 | 0°36 | 0°44 | 0°13 | 0°44 | 6°18 | 2°22 | 3°56 | 21°25 | 13°32 | T 16 |
| W17 | 14 11 40 | 4°34'24 | 1♑58 | 19°36 | 12°32 | 29°29 | 0°49 | 0°43 | 0°14 | 0°46 | 6°19 | 2°23 | 3°53 | 21°32 | 13°32 | W17 |
| T 18 | 14 15 37 | 5°32'28 | 14°34 | 21°27 | 13°45 | 0♊10 | 1° 2 | 0°41 | 0°15 | 0°47 | 6°21 | 2°25 | 3°50 | 21°38 | 13°31 | T 18 |
| F 19 | 14 19 33 | 6°30'31 | 27°29 | 23°15 | 14°58 | 0°51 | 1°16 | 0°40 | 0°16 | 0°49 | 6°22 | 2°26 | 3°46 | 21°45 | 13°31 | F 19 |
| S 20 | 14 23 30 | 7°28'32 | 10♒46 | 24°59 | 16°11 | 1°31 | 1°29 | 0°38 | 0°17 | 0°51 | 6°24 | 2°R26 | 3°43 | 21°52 | 13°30 | S 20 |
| S 21 | 14 27 26 | 8°26'33 | 24°28 | 26°40 | 17°25 | 2°12 | 1°42 | 0°36 | 0°19 | 0°53 | 6°25 | 2°26 | 3°40 | 21°59 | 13°30 | S 21 |
| M22 | 14 31 23 | 9°24'31 | 8♓35 | 28°18 | 18°38 | 2°53 | 1°55 | 0°34 | 0°20 | 0°55 | 6°26 | 2°24 | 3°37 | 22° 5 | 13°29 | M22 |
| T 23 | 14 35 19 | 10°22'29 | 23° 6 | 29°52 | 19°51 | 3°33 | 2° 7 | 0°32 | 0°21 | 0°57 | 6°28 | 2°21 | 3°34 | 22°12 | 13°28 | T 23 |
| W24 | 14 39 16 | 11°20'24 | 7♈57 | 1♊23 | 21° 4 | 4°14 | 2°20 | 0°30 | 0°22 | 0°59 | 6°29 | 2°18 | 3°30 | 22°19 | 13°27 | W24 |
| T 25 | 14 43 12 | 12°18'19 | 23° 1 | 2°50 | 22°17 | 4°54 | 2°33 | 0°28 | 0°24 | 1° 1 | 6°30 | 2°16 | 3°27 | 22°25 | 13°26 | T 25 |
| F 26 | 14 47 9 | 13°16'12 | 8♉10 | 4°13 | 23°31 | 5°35 | 2°46 | 0°26 | 0°25 | 1° 2 | 6°32 | 2°14 | 3°24 | 22°32 | 13°25 | F 26 |
| S 27 | 14 51 6 | 14°14'04 | 23°14 | 5°32 | 24°44 | 6°15 | 2°58 | 0°24 | 0°26 | 1° 4 | 6°33 | 2°13 | 3°21 | 22°39 | 13°24 | S 27 |
| S 28 | 14 55 2 | 15°11'54 | 8♊ 5 | 6°47 | 25°57 | 6°56 | 3°11 | 0°21 | 0°28 | 1° 6 | 6°34 | 2°D13 | 3°18 | 22°45 | 13°23 | S 28 |
| M29 | 14 58 59 | 16° 9'43 | 22°35 | 7°59 | 27°10 | 7°36 | 3°23 | 0°19 | 0°29 | 1° 8 | 6°36 | 2°14 | 3°15 | 22°52 | 13°22 | M29 |
| T 30 | 15 2 55 | 17♉ 7'30 | 6♋39 | 9♊ 6 | 28♈24 | 8♊16 | 3♈36 | 0♑16 | 0♌31 | 1♈ 9 | 6♉37 | 2♊15 | 3♊11 | 22♎59 | 13♑20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n28 | 23n34 | 1n 0 | 5n37 | 0s56 | 4s10 | 1s30 | 17n51 | 0n28 | 2s 8 | 1s 6 | 22s31 | 1n 0 | 20n48 | 0n37 | 1s15 | 1s27 | 1s 1 | 15s25 | 20n50 | 21n 9 | 4s23 | 16s10 | 6n42 |
| T 2 | 7 51 | 25 42 | 2 12 | 6 34 | 0 47 | 3 41 | 1 31 | 18 3 | 0 29 | 2 3 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 14 | 1 27 | 1 0 | 15 24 | 20 50 | 21 9 | 4 26 | 16 10 | 6 43 |
| W 3 | 8 13 | 26 14 | 3 14 | 7 31 | 0 37 | 3 13 | 1 32 | 18 15 | 0 29 | 1 57 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 13 | 1 27 | 1 0 | 15 24 | 20 50 | 21 8 | 4 29 | 16 9 | 6 43 |
| T 4 | 8 35 | 25 16 | 4 3 | 8 27 | 0 27 | 2 45 | 1 33 | 18 26 | 0 30 | 1 52 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 12 | 1 27 | 0 59 | 15 24 | 20 51 | 21 8 | 4 32 | 16 8 | 6 44 |
| F 5 | 8 57 | 22 59 | 4 40 | 9 24 | 0 17 | 2 16 | 1 33 | 18 38 | 0 30 | 1 46 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 11 | 1 27 | 0 59 | 15 24 | 20 50 | 21 7 | 4 35 | 16 8 | 6 44 |
| S 6 | 9 18 | 19 41 | 5 2 | 10 21 | 0 7 | 1 47 | 1 34 | 18 49 | 0 31 | 1 41 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 10 | 1 27 | 0 58 | 15 24 | 20 50 | 21 6 | 4 38 | 16 7 | 6 45 |
| S 7 | 9 40 | 15 35 | 5 10 | 11 16 | 0n 4 | 1 18 | 1 34 | 19 0 | 0 31 | 1 36 | 1 7 | 22 31 | 1 0 | 20 48 | 0 37 | 1 10 | 1 27 | 0 58 | 15 24 | 20 49 | 21 6 | 4 41 | 16 6 | 6 46 |
| M 8 | 10 1 | 10 55 | 5 4 | 12 12 | 0 15 | 0 50 | 1 35 | 19 11 | 0 32 | 1 30 | 1 7 | 22 31 | 1 0 | 20 47 | 0 37 | 1 9 | 1 27 | 0 57 | 15 24 | 20 48 | 21 5 | 4 44 | 16 6 | 6 46 |
| T 9 | 10 22 | 5 54 | 4 45 | 13 6 | 0 26 | 0 21 | 1 35 | 19 22 | 0 33 | 1 25 | 1 7 | 22 31 | 1 0 | 20 47 | 0 37 | 1 8 | 1 27 | 0 57 | 15 24 | 20 46 | 21 5 | 4 47 | 16 5 | 6 47 |
| W10 | 10 43 | 0 41 | 4 13 | 13 59 | 0 36 | 0n 8 | 1 35 | 19 33 | 0 33 | 1 19 | 1 7 | 22 31 | 1 0 | 20 47 | 0 37 | 1 7 | 1 27 | 0 56 | 15 24 | 20 45 | 21 4 | 4 51 | 16 5 | 6 47 |
| T 11 | 11 4 | 4s32 | 3 31 | 14 51 | 0 47 | 0 37 | 1 35 | 19 43 | 0 34 | 1 14 | 1 7 | 22 31 | 1 0 | 20 47 | 0 37 | 1 6 | 1 27 | 0 56 | 15 24 | 20 44 | 21 3 | 4 54 | 16 4 | 6 48 |
| F 12 | 11 25 | 9 36 | 2 40 | 15 41 | 0 57 | 1 6 | 1 36 | 19 53 | 0 34 | 1 9 | 1 7 | 22 31 | 1 0 | 20 47 | 0 37 | 1 6 | 1 27 | 0 55 | 15 24 | 20 43 | 21 3 | 4 57 | 16 3 | 6 48 |
| S 13 | 11 45 | 14 21 | 1 41 | 16 29 | 1 8 | 1 35 | 1 36 | 20 4 | 0 35 | 1 4 | 1 8 | 22 31 | 1 0 | 20 47 | 0 37 | 1 5 | 1 27 | 0 55 | 15 23 | 20 42 | 21 2 | 5 0 | 16 3 | 6 49 |
| S 14 | 12 6 | 18 35 | 0 38 | 17 16 | 1 18 | 2 4 | 1 36 | 20 14 | 0 35 | 0 58 | 1 8 | 22 31 | 1 0 | 20 47 | 0 37 | 1 4 | 1 27 | 0 54 | 15 23 | 20 42 | 21 2 | 5 3 | 16 2 | 6 50 |
| M15 | 12 26 | 22 6 | 0s28 | 18 0 | 1 27 | 2 33 | 1 35 | 20 23 | 0 36 | 0 53 | 1 8 | 22 31 | 1 0 | 20 46 | 0 37 | 1 3 | 1 27 | 0 54 | 15 23 | 20 42 | 21 1 | 5 6 | 16 2 | 6 50 |
| T 16 | 12 46 | 24 40 | 1 33 | 18 42 | 1 36 | 3 2 | 1 35 | 20 33 | 0 36 | 0 48 | 1 8 | 22 31 | 1 0 | 20 46 | 0 37 | 1 3 | 1 27 | 0 53 | 15 23 | 20 42 | 21 1 | 5 9 | 16 1 | 6 51 |
| W17 | 13 5 | 26 6 | 2 36 | 19 22 | 1 44 | 3 30 | 1 35 | 20 42 | 0 37 | 0 43 | 1 8 | 22 31 | 1 0 | 20 46 | 0 37 | 1 2 | 1 27 | 0 53 | 15 23 | 20 43 | 21 0 | 5 12 | 16 1 | 6 51 |
| T 18 | 13 25 | 26 14 | 3 31 | 19 59 | 1 52 | 3 59 | 1 35 | 20 52 | 0 37 | 0 38 | 1 8 | 22 31 | 1 0 | 20 46 | 0 37 | 1 1 | 1 27 | 0 52 | 15 23 | 20 43 | 20 59 | 5 15 | 16 0 | 6 52 |
| F 19 | 13 44 | 24 57 | 4 18 | 20 34 | 1 59 | 4 28 | 1 34 | 21 1 | 0 38 | 0 32 | 1 8 | 22 31 | 1 0 | 20 45 | 0 37 | 1 0 | 1 27 | 0 52 | 15 23 | 20 43 | 20 59 | 5 18 | 16 0 | 6 52 |
| S 20 | 14 3 | 22 17 | 4 53 | 21 7 | 2 6 | 4 57 | 1 34 | 21 9 | 0 38 | 0 27 | 1 8 | 22 31 | 1 0 | 20 45 | 0 36 | 1 0 | 1 27 | 0 52 | 15 23 | 20 43 | 20 58 | 5 21 | 15 59 | 6 53 |
| S 21 | 14 22 | 18 18 | 5 12 | 21 37 | 2 12 | 5 25 | 1 33 | 21 18 | 0 38 | 0 22 | 1 9 | 22 31 | 1 0 | 20 45 | 0 36 | 0 59 | 1 27 | 0 51 | 15 23 | 20 43 | 20 58 | 5 25 | 15 59 | 6 54 |
| M22 | 14 41 | 13 13 | 5 13 | 22 4 | 2 17 | 5 54 | 1 33 | 21 27 | 0 39 | 0 17 | 1 9 | 22 31 | 1 0 | 20 45 | 0 36 | 0 58 | 1 27 | 0 51 | 15 23 | 20 43 | 20 57 | 5 28 | 15 58 | 6 54 |
| T 23 | 14 59 | 7 15 | 4 54 | 22 29 | 2 21 | 6 22 | 1 32 | 21 35 | 0 39 | 0 12 | 1 9 | 22 31 | 1 0 | 20 44 | 0 36 | 0 57 | 1 27 | 0 50 | 15 23 | 20 42 | 20 56 | 5 31 | 15 58 | 6 55 |
| W24 | 15 17 | 0 46 | 4 16 | 22 52 | 2 24 | 6 50 | 1 31 | 21 43 | 0 40 | 0 7 | 1 9 | 22 31 | 1 0 | 20 44 | 0 36 | 0 57 | 1 27 | 0 50 | 15 23 | 20 42 | 20 56 | 5 34 | 15 57 | 6 55 |
| T 25 | 15 35 | 5n53 | 3 20 | 23 12 | 2 27 | 7 18 | 1 31 | 21 51 | 0 40 | 0 2 | 1 9 | 22 31 | 1 0 | 20 44 | 0 36 | 0 56 | 1 28 | 0 49 | 15 23 | 20 41 | 20 55 | 5 37 | 15 57 | 6 56 |
| F 26 | 15 53 | 12 15 | 2 9 | 23 29 | 2 28 | 7 46 | 1 30 | 21 59 | 0 41 | 0n 3 | 1 9 | 22 31 | 1 0 | 20 43 | 0 36 | 0 55 | 1 28 | 0 49 | 15 23 | 20 41 | 20 54 | 5 40 | 15 56 | 6 56 |
| S 27 | 16 10 | 17 51 | 0 49 | 23 45 | 2 29 | 8 14 | 1 29 | 22 6 | 0 41 | 0 8 | 1 9 | 22 31 | 1 0 | 20 43 | 0 36 | 0 55 | 1 28 | 0 49 | 15 23 | 20 41 | 20 54 | 5 43 | 15 56 | 6 57 |
| S 28 | 16 27 | 22 16 | 0n32 | 23 58 | 2 29 | 8 42 | 1 28 | 22 14 | 0 42 | 0 12 | 1 9 | 22 31 | 1 0 | 20 43 | 0 36 | 0 54 | 1 28 | 0 48 | 15 23 | 20 41 | 20 53 | 5 46 | 15 55 | 6 57 |
| M29 | 16 44 | 25 9 | 1 50 | 24 9 | 2 28 | 9 9 | 1 27 | 22 21 | 0 42 | 0 17 | 1 10 | 22 31 | 1 0 | 20 42 | 0 36 | 0 53 | 1 28 | 0 48 | 15 23 | 20 41 | 20 53 | 5 49 | 15 55 | 6 58 |
| T 30 | 17n 0 | 26n20 | 2n59 | 24n18 | 2n26 | 9n36 | 1s26 | 22n28 | 0n43 | 0n22 | 1s10 | 22s31 | 1n 0 | 20n42 | 0n36 | 0s53 | 1s28 | 0s47 | 15s23 | 20n41 | 20n52 | 5s52 | 15s55 | 6n59 |

Julian Day Number = 2221540.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'22, Lahiri = 15°04'22 Julian Calendar 1 Apr. 1370 == Greg. Calendar 9 Apr. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## MAY 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 6 52 | 18♉ 5'16 | 20♋17 | 10♊10 | 29♈37 | 8♊57 | 3♈48 | 0°R14 | 0♌33 | 1♈11 | 6♉38 | 2♊16 | 3♊ 8 | 23♎ 5 | 13°R19 | W 1 |
| T 2 | 15 10 48 | 19° 2'59 | 3♌30 | 11° 9 | 0♉50 | 9°37 | 4° 0 | 0♏11 | 0°34 | 1°13 | 6°40 | 2°17 | 3° 5 | 23°12 | 13♏17 | T 2 |
| F 3 | 15 14 45 | 20° 0'41 | 16°19 | 12° 4 | 2° 3 | 10°17 | 4°13 | 0° 8 | 0°36 | 1°14 | 6°41 | 2°R17 | 3° 2 | 23°19 | 13°16 | F 3 |
| S 4 | 15 18 41 | 20°58'22 | 28°48 | 12°55 | 3°17 | 10°58 | 4°25 | 0° 5 | 0°38 | 1°16 | 6°42 | 2°17 | 2°59 | 23°25 | 13°14 | S 4 |
| S 5 | 15 22 38 | 21°56'00 | 11♍ 1 | 13°41 | 4°30 | 11°38 | 4°37 | 0° 3 | 0°40 | 1°18 | 6°44 | 2°16 | 2°56 | 23°32 | 13°13 | S 5 |
| M 6 | 15 26 35 | 22°53'38 | 23° 2 | 14°23 | 5°43 | 12°18 | 4°49 | 29♐59 | 0°41 | 1°19 | 6°45 | 2°15 | 2°52 | 23°39 | 13°11 | M 6 |
| T 7 | 15 30 31 | 23°51'13 | 4♎56 | 15° 1 | 6°56 | 12°58 | 5° 0 | 29°56 | 0°43 | 1°21 | 6°46 | 2°14 | 2°49 | 23°45 | 13° 9 | T 7 |
| W 8 | 15 34 28 | 24°48'48 | 16°46 | 15°34 | 8°10 | 13°38 | 5°12 | 29°53 | 0°45 | 1°22 | 6°48 | 2°13 | 2°46 | 23°52 | 13° 7 | W 8 |
| T 9 | 15 38 24 | 25°46'20 | 28°36 | 16° 2 | 9°23 | 14°18 | 5°24 | 29°50 | 0°47 | 1°24 | 6°49 | 2°12 | 2°43 | 23°59 | 13° 5 | T 9 |
| F 10 | 15 42 21 | 26°43'52 | 10♏28 | 16°26 | 10°36 | 14°58 | 5°35 | 29°47 | 0°49 | 1°25 | 6°50 | 2°12 | 2°40 | 24° 5 | 13° 3 | F 10 |
| S 11 | 15 46 17 | 27°41'22 | 22°24 | 16°45 | 11°49 | 15°38 | 5°47 | 29°44 | 0°51 | 1°27 | 6°52 | 2°11 | 2°36 | 24°12 | 13° 1 | S 11 |
| S 12 | 15 50 14 | 28°38'52 | 4♐28 | 17° 0 | 13° 3 | 16°18 | 5°58 | 29°40 | 0°53 | 1°28 | 6°53 | 2°D11 | 2°33 | 24°19 | 12°59 | S 12 |
| M13 | 15 54 10 | 29°36'20 | 16°40 | 17°10 | 14°16 | 16°58 | 6°10 | 29°37 | 0°56 | 1°30 | 6°54 | 2°11 | 2°30 | 24°25 | 12°57 | M13 |
| T 14 | 15 58 7 | 0♊33'47 | 29° 2 | 17°15 | 15°29 | 17°38 | 6°21 | 29°33 | 0°58 | 1°31 | 6°55 | 2°12 | 2°27 | 24°32 | 12°54 | T 14 |
| W15 | 16 2 4 | 1°31'14 | 11♏37 | 17°R15 | 16°43 | 18°18 | 6°32 | 29°30 | 1° 0 | 1°32 | 6°57 | 2°12 | 2°24 | 24°39 | 12°52 | W15 |
| T 16 | 16 6 0 | 2°28'39 | 24°26 | 17°11 | 17°56 | 18°58 | 6°43 | 29°26 | 1° 2 | 1°34 | 6°58 | 2°R12 | 2°21 | 24°45 | 12°50 | T 16 |
| F 17 | 16 9 57 | 3°26'04 | 7♒30 | 17° 3 | 19° 9 | 19°37 | 6°54 | 29°22 | 1° 5 | 1°35 | 6°59 | 2°12 | 2°17 | 24°52 | 12°47 | F 17 |
| S 18 | 16 13 53 | 4°23'28 | 20°52 | 16°51 | 20°23 | 20°17 | 7° 5 | 29°19 | 1° 7 | 1°36 | 7° 0 | 2°12 | 2°14 | 24°59 | 12°45 | S 18 |
| S 19 | 16 17 50 | 5°20'52 | 4♓32 | 16°34 | 21°36 | 20°57 | 7°16 | 29°15 | 1° 9 | 1°38 | 7° 2 | 2°D11 | 2°11 | 25° 5 | 12°42 | S 19 |
| M20 | 16 21 46 | 6°18'14 | 18°30 | 16°14 | 22°49 | 21°37 | 7°26 | 29°11 | 1°12 | 1°39 | 7° 3 | 2°12 | 2° 8 | 25°12 | 12°40 | M20 |
| T 21 | 16 25 43 | 7°15'36 | 2♈46 | 15°50 | 24° 3 | 22°16 | 7°37 | 29° 7 | 1°14 | 1°40 | 7° 4 | 2°12 | 2° 5 | 25°19 | 12°37 | T 21 |
| W22 | 16 29 39 | 8°12'58 | 17°18 | 15°24 | 25°16 | 22°56 | 7°47 | 29° 3 | 1°17 | 1°41 | 7° 5 | 2°12 | 2° 2 | 25°26 | 12°34 | W22 |
| T 23 | 16 33 36 | 9°10'19 | 2♉ 2 | 14°55 | 26°29 | 23°35 | 7°58 | 28°59 | 1°19 | 1°42 | 7° 6 | 2°13 | 1°58 | 25°32 | 12°31 | T 23 |
| F 24 | 16 37 33 | 10° 7'39 | 16°51 | 14°24 | 27°43 | 24°15 | 8° 8 | 28°55 | 1°22 | 1°43 | 7° 8 | 2°13 | 1°55 | 25°39 | 12°29 | F 24 |
| S 25 | 16 41 29 | 11° 4'59 | 1♊39 | 13°52 | 28°56 | 24°55 | 8°18 | 28°51 | 1°25 | 1°44 | 7° 9 | 2°R14 | 1°52 | 25°46 | 12°26 | S 25 |
| S 26 | 16 45 26 | 12° 2'19 | 16°19 | 13°18 | 0♊10 | 25°34 | 8°28 | 28°47 | 1°27 | 1°46 | 7°10 | 2°13 | 1°49 | 25°52 | 12°23 | S 26 |
| M27 | 16 49 22 | 12°59'37 | 0♋43 | 12°45 | 1°23 | 26°14 | 8°38 | 28°43 | 1°30 | 1°47 | 7°11 | 2°13 | 1°46 | 25°59 | 12°20 | M27 |
| T 28 | 16 53 19 | 13°56'55 | 14°48 | 12°11 | 2°36 | 26°53 | 8°48 | 28°39 | 1°33 | 1°48 | 7°12 | 2°11 | 1°42 | 26° 6 | 12°17 | T 28 |
| W29 | 16 57 15 | 14°54'13 | 28°29 | 11°38 | 3°50 | 27°33 | 8°57 | 28°34 | 1°36 | 1°48 | 7°13 | 2°10 | 1°39 | 26°12 | 12°14 | W29 |
| T 30 | 17 1 12 | 15°51'29 | 11♌46 | 11° 7 | 5° 3 | 28°12 | 9° 7 | 28°30 | 1°38 | 1°49 | 7°14 | 2° 8 | 1°36 | 26°19 | 12°11 | T 30 |
| F 31 | 17 5 9 | 16♊48'44 | 24♌39 | 10♊37 | 6♊17 | 28♊51 | 9♈16 | 28♐26 | 1♌41 | 1♈50 | 7♉16 | 2♊ 7 | 1♊33 | 26♎26 | 12♏ 8 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ☊ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n17 | 25n52 | 3n56 | 24n24 | 2n23 | 10n 3 | 1s25 | 22n35 | 0n43 | 0n27 | 1s10 | 22s31 | 1n 0 | 20n42 | 0n36 | 0s52 | 1s28 | 0s47 | 15s23 | 20n41 | 20n51 | 5s55 | 15s54 | 6n59 |
| T 2 | 17 33 | 23 56 | 4 38 | 24 29 | 2 19 | 10 30 | 1 24 | 22 41 | 0 43 | 0 32 | 1 10 | 22 31 | 1 0 | 20 41 | 0 36 | 0 51 | 1 28 | 0 47 | 15 23 | 20 41 | 20 51 | 5 59 | 15 54 | 7 0 |
| F 3 | 17 48 | 20 50 | 5 4 | 24 32 | 2 14 | 10 57 | 1 22 | 22 48 | 0 44 | 0 36 | 1 10 | 22 31 | 1 0 | 20 41 | 0 36 | 0 51 | 1 28 | 0 46 | 15 23 | 20 41 | 20 50 | 6 2 | 15 53 | 7 0 |
| S 4 | 18 4 | 16 52 | 5 16 | 24 33 | 2 8 | 11 23 | 1 21 | 22 54 | 0 44 | 0 41 | 1 10 | 22 31 | 1 0 | 20 40 | 0 36 | 0 50 | 1 28 | 0 46 | 15 23 | 20 41 | 20 50 | 6 5 | 15 53 | 7 1 |
| S 5 | 18 19 | 12 17 | 5 13 | 24 32 | 2 2 | 11 49 | 1 20 | 23 0 | 0 45 | 0 46 | 1 10 | 22 31 | 1 0 | 20 40 | 0 36 | 0 50 | 1 28 | 0 46 | 15 24 | 20 41 | 20 49 | 6 8 | 15 53 | 7 1 |
| M 6 | 18 34 | 7 18 | 4 56 | 24 30 | 1 54 | 12 15 | 1 18 | 23 6 | 0 45 | 0 50 | 1 11 | 22 31 | 1 0 | 20 40 | 0 36 | 0 49 | 1 28 | 0 45 | 15 24 | 20 41 | 20 48 | 6 11 | 15 52 | 7 2 |
| T 7 | 18 48 | 2 7 | 4 27 | 24 26 | 1 46 | 12 40 | 1 17 | 23 11 | 0 46 | 0 55 | 1 11 | 22 31 | 1 0 | 20 39 | 0 36 | 0 48 | 1 28 | 0 45 | 15 24 | 20 41 | 20 48 | 6 14 | 15 52 | 7 2 |
| W 8 | 19 2 | 3s 8 | 3 46 | 24 20 | 1 36 | 13 5 | 1 15 | 23 17 | 0 46 | 0 59 | 1 11 | 22 31 | 1 0 | 20 39 | 0 36 | 0 48 | 1 28 | 0 45 | 15 24 | 20 41 | 20 47 | 6 17 | 15 52 | 7 3 |
| T 9 | 19 16 | 8 17 | 2 56 | 24 12 | 1 26 | 13 30 | 1 14 | 23 22 | 0 46 | 1 4 | 1 11 | 22 31 | 1 0 | 20 38 | 0 36 | 0 47 | 1 28 | 0 44 | 15 24 | 20 40 | 20 46 | 6 20 | 15 52 | 7 3 |
| F 10 | 19 30 | 13 9 | 1 58 | 24 4 | 1 14 | 13 55 | 1 12 | 23 27 | 0 47 | 1 8 | 1 11 | 22 31 | 1 0 | 20 38 | 0 36 | 0 47 | 1 28 | 0 44 | 15 24 | 20 40 | 20 46 | 6 23 | 15 51 | 7 3 |
| S 11 | 19 43 | 17 34 | 0 54 | 23 53 | 1 2 | 14 19 | 1 10 | 23 32 | 0 47 | 1 13 | 1 11 | 22 31 | 1 0 | 20 37 | 0 36 | 0 46 | 1 28 | 0 44 | 15 24 | 20 40 | 20 45 | 6 26 | 15 51 | 7 4 |
| S 12 | 19 56 | 21 19 | 0s13 | 23 42 | 0 49 | 14 43 | 1 9 | 23 36 | 0 48 | 1 17 | 1 12 | 22 31 | 1 0 | 20 37 | 0 36 | 0 46 | 1 28 | 0 43 | 15 24 | 20 40 | 20 45 | 6 29 | 15 51 | 7 4 |
| M13 | 20 8 | 24 10 | 1 19 | 23 29 | 0 35 | 15 7 | 1 7 | 23 41 | 0 48 | 1 21 | 1 12 | 22 31 | 1 0 | 20 36 | 0 36 | 0 45 | 1 28 | 0 43 | 15 24 | 20 40 | 20 44 | 6 33 | 15 50 | 7 5 |
| T 14 | 20 20 | 25 55 | 2 24 | 23 15 | 0 21 | 15 30 | 1 5 | 23 45 | 0 48 | 1 26 | 1 12 | 22 31 | 1 0 | 20 36 | 0 36 | 0 45 | 1 28 | 0 43 | 15 24 | 20 40 | 20 43 | 6 36 | 15 50 | 7 5 |
| W15 | 20 32 | 26 22 | 3 22 | 23 0 | 0 5 | 15 53 | 1 3 | 23 49 | 0 49 | 1 30 | 1 12 | 22 31 | 1 0 | 20 35 | 0 36 | 0 44 | 1 28 | 0 42 | 15 24 | 20 40 | 20 43 | 6 39 | 15 50 | 7 6 |
| T 16 | 20 44 | 25 25 | 4 11 | 22 44 | 0s11 | 16 15 | 1 1 | 23 53 | 0 49 | 1 34 | 1 12 | 22 31 | 1 0 | 20 35 | 0 36 | 0 44 | 1 28 | 0 42 | 15 24 | 20 40 | 20 42 | 6 42 | 15 50 | 7 6 |
| F 17 | 20 55 | 23 6 | 4 48 | 22 27 | 0 27 | 16 37 | 0 59 | 23 56 | 0 49 | 1 38 | 1 13 | 22 31 | 1 0 | 20 34 | 0 36 | 0 43 | 1 28 | 0 42 | 15 25 | 20 40 | 20 41 | 6 45 | 15 50 | 7 7 |
| S 18 | 21 6 | 19 30 | 5 11 | 22 9 | 0 44 | 16 59 | 0 57 | 24 0 | 0 50 | 1 42 | 1 13 | 22 31 | 1 0 | 20 34 | 0 36 | 0 43 | 1 29 | 0 42 | 15 25 | 20 40 | 20 41 | 6 48 | 15 49 | 7 7 |
| S 19 | 21 16 | 14 48 | 5 17 | 21 50 | 1 1 | 17 20 | 0 55 | 24 3 | 0 50 | 1 47 | 1 13 | 22 31 | 1 0 | 20 33 | 0 36 | 0 42 | 1 29 | 0 41 | 15 25 | 20 40 | 20 40 | 6 51 | 15 49 | 7 7 |
| M20 | 21 26 | 9 14 | 5 5 | 21 31 | 1 18 | 17 41 | 0 53 | 24 6 | 0 51 | 1 51 | 1 13 | 22 31 | 1 0 | 20 33 | 0 36 | 0 42 | 1 29 | 0 41 | 15 25 | 20 40 | 20 40 | 6 54 | 15 49 | 7 8 |
| T 21 | 21 36 | 3 4 | 4 33 | 21 11 | 1 35 | 18 1 | 0 51 | 24 9 | 0 51 | 1 55 | 1 13 | 22 31 | 1 0 | 20 32 | 0 36 | 0 41 | 1 29 | 0 41 | 15 25 | 20 40 | 20 39 | 6 57 | 15 49 | 7 8 |
| W22 | 21 45 | 3n22 | 3 44 | 20 52 | 1 52 | 18 21 | 0 49 | 24 11 | 0 51 | 1 59 | 1 13 | 22 31 | 1 0 | 20 31 | 0 36 | 0 41 | 1 29 | 0 41 | 15 25 | 20 40 | 20 38 | 7 0 | 15 49 | 7 9 |
| T 23 | 21 54 | 9 43 | 2 40 | 20 32 | 2 9 | 18 40 | 0 47 | 24 14 | 0 52 | 2 2 | 1 14 | 22 31 | 1 0 | 20 31 | 0 36 | 0 41 | 1 29 | 0 40 | 15 25 | 20 41 | 20 38 | 7 3 | 15 49 | 7 9 |
| F 24 | 22 3 | 15 35 | 1 24 | 20 12 | 2 25 | 18 59 | 0 45 | 24 16 | 0 52 | 2 6 | 1 14 | 22 31 | 1 0 | 20 30 | 0 36 | 0 40 | 1 29 | 0 40 | 15 26 | 20 41 | 20 37 | 7 6 | 15 49 | 7 9 |
| S 25 | 22 11 | 20 31 | 0 3 | 19 52 | 2 41 | 19 18 | 0 43 | 24 18 | 0 52 | 2 10 | 1 14 | 22 31 | 1 0 | 20 30 | 0 36 | 0 40 | 1 29 | 0 40 | 15 26 | 20 41 | 20 36 | 7 10 | 15 48 | 7 10 |
| S 26 | 22 19 | 24 6 | 1n17 | 19 33 | 2 56 | 19 36 | 0 41 | 24 19 | 0 53 | 2 14 | 1 14 | 22 31 | 1 0 | 20 29 | 0 36 | 0 39 | 1 29 | 0 40 | 15 26 | 20 41 | 20 36 | 7 13 | 15 48 | 7 10 |
| M27 | 22 26 | 26 3 | 2 31 | 19 15 | 3 11 | 19 53 | 0 38 | 24 21 | 0 53 | 2 18 | 1 14 | 22 31 | 1 0 | 20 28 | 0 36 | 0 39 | 1 29 | 0 39 | 15 26 | 20 41 | 20 35 | 7 16 | 15 48 | 7 10 |
| T 28 | 22 33 | 26 15 | 3 35 | 18 58 | 3 24 | 20 10 | 0 36 | 24 22 | 0 53 | 2 21 | 1 15 | 22 31 | 1 0 | 20 28 | 0 36 | 0 39 | 1 29 | 0 39 | 15 26 | 20 40 | 20 34 | 7 19 | 15 48 | 7 11 |
| W29 | 22 40 | 24 50 | 4 23 | 18 41 | 3 36 | 20 26 | 0 34 | 24 24 | 0 54 | 2 25 | 1 15 | 22 31 | 1 0 | 20 27 | 0 36 | 0 38 | 1 29 | 0 39 | 15 26 | 20 40 | 20 34 | 7 22 | 15 48 | 7 11 |
| T 30 | 22 46 | 22 4 | 4 57 | 18 26 | 3 47 | 20 42 | 0 31 | 24 25 | 0 54 | 2 28 | 1 15 | 22 31 | 1 0 | 20 26 | 0 36 | 0 38 | 1 29 | 0 39 | 15 26 | 20 40 | 20 33 | 7 25 | 15 48 | 7 11 |
| F 31 | 22n52 | 18n16 | 5n14 | 18n13 | 3s57 | 20n57 | 0s29 | 24n25 | 0n54 | 2n32 | 1s15 | 22s31 | 0n59 | 20n26 | 0n36 | 0s38 | 1s29 | 0s39 | 15s27 | 20n39 | 20n33 | 7s28 | 15s48 | 7n12 |

Julian Day Number = 2221570.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'26, Lahiri = 15°04'26 Julian Calendar 1 May 1370 == Greg. Calendar 9 May 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## JUNE 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 5 | 17♊45'59 | 7♍11 | 10°R10 | 7♊30 | 29♊31 | 9♈25 | 28°R22 | 1♌44 | 1♈51 | 7♉17 | 2°R 6 | 1♊30 | 26♎32 | 12°R 4 | S 1 |
| S 2 | 17 13 2 | 18°43'13 | 19°25 | 9♊45 | 8°44 | 0♋10 | 9°35 | 28♐17 | 1°47 | 1°52 | 7°18 | 2°D 5 | 1°27 | 26°39 | 12♑ 1 | S 2 |
| M 3 | 17 16 58 | 19°40'26 | 1♎27 | 9°24 | 9°57 | 0°49 | 9°44 | 28°13 | 1°50 | 1°53 | 7°19 | 2♊ 6 | 1°23 | 26°46 | 11°58 | M 3 |
| T 4 | 17 20 55 | 20°37'38 | 13°20 | 9° 7 | 11°11 | 1°29 | 9°53 | 28° 9 | 1°53 | 1°54 | 7°20 | 2° 7 | 1°20 | 26°52 | 11°55 | T 4 |
| W 5 | 17 24 51 | 21°34'50 | 25°10 | 8°53 | 12°24 | 2° 8 | 10° 1 | 28° 4 | 1°56 | 1°54 | 7°21 | 2° 8 | 1°17 | 26°59 | 11°51 | W 5 |
| T 6 | 17 28 48 | 22°32'01 | 7♏ 1 | 8°44 | 13°37 | 2°47 | 10°10 | 28° 0 | 1°59 | 1°55 | 7°22 | 2°10 | 1°14 | 27° 6 | 11°48 | T 6 |
| F 7 | 17 32 44 | 23°29'12 | 18°56 | 8°38 | 14°51 | 3°26 | 10°19 | 27°56 | 2° 2 | 1°56 | 7°23 | 2°11 | 1°11 | 27°12 | 11°45 | F 7 |
| S 8 | 17 36 41 | 24°26'22 | 0♐59 | 8°D38 | 16° 4 | 4° 6 | 10°27 | 27°51 | 2° 5 | 1°56 | 7°24 | 2°R12 | 1° 8 | 27°19 | 11°41 | S 8 |
| S 9 | 17 40 38 | 25°23'32 | 13°13 | 8°42 | 17°18 | 4°45 | 10°35 | 27°47 | 2° 8 | 1°57 | 7°25 | 2°11 | 1° 4 | 27°26 | 11°38 | S 9 |
| M10 | 17 44 34 | 26°20'42 | 25°40 | 8°51 | 18°32 | 5°24 | 10°43 | 27°42 | 2°12 | 1°58 | 7°26 | 2°10 | 1° 1 | 27°32 | 11°34 | M10 |
| T 11 | 17 48 31 | 27°17'51 | 8♑21 | 9° 5 | 19°45 | 6° 3 | 10°51 | 27°38 | 2°15 | 1°58 | 7°27 | 2° 7 | 0°58 | 27°39 | 11°31 | T 11 |
| W12 | 17 52 27 | 28°15'01 | 21°16 | 9°23 | 20°59 | 6°42 | 10°59 | 27°34 | 2°18 | 1°59 | 7°28 | 2° 3 | 0°55 | 27°46 | 11°27 | W12 |
| T 13 | 17 56 24 | 29°12'10 | 4♒25 | 9°47 | 22°12 | 7°21 | 11° 7 | 27°29 | 2°21 | 1°59 | 7°29 | 1°59 | 0°52 | 27°52 | 11°24 | T 13 |
| F 14 | 18 0 20 | 0♋ 9'20 | 17°48 | 10°15 | 23°26 | 8° 0 | 11°14 | 27°25 | 2°24 | 2° 0 | 7°29 | 1°55 | 0°48 | 27°59 | 11°20 | F 14 |
| S 15 | 18 4 17 | 1° 6'29 | 1♓24 | 10°48 | 24°39 | 8°39 | 11°22 | 27°20 | 2°28 | 2° 0 | 7°30 | 1°52 | 0°45 | 28° 6 | 11°17 | S 15 |
| S 16 | 18 8 13 | 2° 3'39 | 15°12 | 11°26 | 25°53 | 9°18 | 11°29 | 27°16 | 2°31 | 2° 0 | 7°31 | 1°50 | 0°42 | 28°12 | 11°13 | S 16 |
| M17 | 18 12 10 | 3° 0'49 | 29°10 | 12° 9 | 27° 7 | 9°57 | 11°36 | 27°12 | 2°34 | 2° 1 | 7°32 | 1°D49 | 0°39 | 28°19 | 11°10 | M17 |
| T 18 | 18 16 7 | 3°57'59 | 13♈18 | 12°56 | 28°20 | 10°36 | 11°43 | 27° 7 | 2°38 | 2° 1 | 7°33 | 1°49 | 0°36 | 28°26 | 11° 6 | T 18 |
| W19 | 18 20 3 | 4°55'09 | 27°34 | 13°48 | 29°34 | 11°15 | 11°50 | 27° 3 | 2°41 | 2° 1 | 7°34 | 1°50 | 0°33 | 28°32 | 11° 2 | W19 |
| T 20 | 18 24 0 | 5°52'20 | 11♉56 | 14°44 | 0♋48 | 11°54 | 11°57 | 26°58 | 2°44 | 2° 2 | 7°35 | 1°51 | 0°29 | 28°39 | 10°59 | T 20 |
| F 21 | 18 27 56 | 6°49'32 | 26°20 | 15°45 | 2° 1 | 12°33 | 12° 3 | 26°54 | 2°48 | 2° 2 | 7°35 | 1°R52 | 0°26 | 28°46 | 10°55 | F 21 |
| S 22 | 18 31 53 | 7°46'44 | 10♊44 | 16°51 | 3°15 | 13°12 | 12°10 | 26°50 | 2°51 | 2° 2 | 7°36 | 1°52 | 0°23 | 28°52 | 10°51 | S 22 |
| S 23 | 18 35 49 | 8°43'56 | 25° 1 | 18° 0 | 4°29 | 13°51 | 12°16 | 26°46 | 2°55 | 2° 2 | 7°37 | 1°50 | 0°20 | 28°59 | 10°48 | S 23 |
| M24 | 18 39 46 | 9°41'09 | 9♋ 9 | 19°14 | 5°42 | 14°30 | 12°22 | 26°41 | 2°58 | 2° 2 | 7°38 | 1°47 | 0°17 | 29° 6 | 10°44 | M24 |
| T 25 | 18 43 42 | 10°38'22 | 23° 1 | 20°33 | 6°56 | 15° 8 | 12°28 | 26°37 | 3° 2 | 2° 2 | 7°38 | 1°41 | 0°14 | 29°12 | 10°40 | T 25 |
| W26 | 18 47 39 | 11°35'35 | 6♌35 | 21°55 | 8°10 | 15°47 | 12°34 | 26°33 | 3° 5 | 2° 2 | 7°39 | 1°35 | 0°10 | 29°19 | 10°37 | W26 |
| T 27 | 18 51 36 | 12°32'48 | 19°48 | 23°22 | 9°24 | 16°26 | 12°39 | 26°29 | 3° 9 | 2°R 2 | 7°40 | 1°29 | 0° 7 | 29°26 | 10°33 | T 27 |
| F 28 | 18 55 32 | 13°30'01 | 2♍40 | 24°53 | 10°37 | 17° 5 | 12°44 | 26°25 | 3°12 | 2° 2 | 7°40 | 1°22 | 0° 4 | 29°32 | 10°30 | F 28 |
| S 29 | 18 59 29 | 14°27'15 | 15°13 | 26°27 | 11°51 | 17°44 | 12°50 | 26°21 | 3°16 | 2° 2 | 7°41 | 1°17 | 0° 1 | 29°39 | 10°26 | S 29 |
| S 30 | 19 3 25 | 15♋24'28 | 27♍28 | 28♊ 5 | 13♋ 5 | 18♋22 | 12♈55 | 26♐16 | 3♌19 | 2♈ 2 | 7♉42 | 1♊14 | 29♉58 | 29♎46 | 10♑22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 13n46 | 5n15 | 18n 1 | 4s 5 | 21n12 | 0s27 | 24n26 | 0n55 | 2n35 | 1s16 | 22s31 | 0n59 | 20n25 | 0n36 | 0s38 | 1s29 | 0s39 | 15s27 | 20n39 | 20n32 | 7s31 | 15s48 | 7n12 |
| S 2 | 23 2 | 8 50 | 5 2 | 17 50 | 4 12 | 21 26 | 0 24 | 24 26 | 0 55 | 2 39 | 1 16 | 22 31 | 0 59 | 20 25 | 0 36 | 0 37 | 1 29 | 0 38 | 15 27 | 20 39 | 20 31 | 7 34 | 15 48 | 7 12 |
| M 3 | 23 7 | 3 38 | 4 36 | 17 42 | 4 17 | 21 39 | 0 22 | 24 26 | 0 55 | 2 42 | 1 16 | 22 31 | 0 59 | 20 24 | 0 36 | 0 37 | 1 29 | 0 38 | 15 27 | 20 39 | 20 31 | 7 37 | 15 48 | 7 13 |
| T 4 | 23 11 | 1s38 | 3 58 | 17 35 | 4 21 | 21 52 | 0 20 | 24 26 | 0 56 | 2 45 | 1 16 | 22 31 | 0 59 | 20 23 | 0 36 | 0 37 | 1 29 | 0 38 | 15 27 | 20 39 | 20 30 | 7 40 | 15 48 | 7 13 |
| W 5 | 23 15 | 6 49 | 3 10 | 17 31 | 4 24 | 22 4 | 0 17 | 24 26 | 0 56 | 2 49 | 1 16 | 22 31 | 0 59 | 20 22 | 0 36 | 0 36 | 1 29 | 0 38 | 15 28 | 20 40 | 20 29 | 7 43 | 15 48 | 7 13 |
| T 6 | 23 19 | 11 47 | 2 15 | 17 28 | 4 25 | 22 16 | 0 15 | 24 26 | 0 56 | 2 52 | 1 17 | 22 31 | 0 59 | 20 22 | 0 35 | 0 36 | 1 30 | 0 38 | 15 28 | 20 40 | 20 29 | 7 46 | 15 48 | 7 13 |
| F 7 | 23 22 | 16 21 | 1 13 | 17 27 | 4 25 | 22 27 | 0 13 | 24 25 | 0 56 | 2 55 | 1 17 | 22 31 | 0 59 | 20 21 | 0 35 | 0 36 | 1 30 | 0 38 | 15 28 | 20 40 | 20 28 | 7 49 | 15 48 | 7 14 |
| S 8 | 23 24 | 20 19 | 0 7 | 17 28 | 4 24 | 22 37 | 0 10 | 24 24 | 0 57 | 2 58 | 1 17 | 22 31 | 0 59 | 20 20 | 0 35 | 0 36 | 1 30 | 0 38 | 15 28 | 20 40 | 20 27 | 7 53 | 15 48 | 7 14 |
| S 9 | 23 26 | 23 28 | 1s 0 | 17 31 | 4 22 | 22 47 | 0 8 | 24 23 | 0 57 | 3 1 | 1 17 | 22 31 | 0 59 | 20 20 | 0 35 | 0 36 | 1 30 | 0 38 | 15 28 | 20 40 | 20 27 | 7 56 | 15 48 | 7 14 |
| M10 | 23 28 | 25 33 | 2 6 | 17 36 | 4 18 | 22 56 | 0 5 | 24 22 | 0 57 | 3 4 | 1 18 | 22 31 | 0 59 | 20 19 | 0 35 | 0 35 | 1 30 | 0 37 | 15 29 | 20 40 | 20 26 | 7 59 | 15 48 | 7 14 |
| T 11 | 23 30 | 26 21 | 3 6 | 17 43 | 4 14 | 23 5 | 0 3 | 24 21 | 0 58 | 3 7 | 1 18 | 22 31 | 0 59 | 20 18 | 0 35 | 0 35 | 1 30 | 0 37 | 15 29 | 20 39 | 20 25 | 8 2 | 15 48 | 7 14 |
| W12 | 23 31 | 25 45 | 3 58 | 17 51 | 4 8 | 23 12 | 0 1 | 24 19 | 0 58 | 3 10 | 1 18 | 22 31 | 0 59 | 20 17 | 0 35 | 0 35 | 1 30 | 0 37 | 15 29 | 20 39 | 20 25 | 8 5 | 15 49 | 7 15 |
| T 13 | 23 31 | 23 43 | 4 38 | 18 1 | 4 1 | 23 19 | 0n 2 | 24 17 | 0 58 | 3 13 | 1 18 | 22 31 | 0 59 | 20 17 | 0 35 | 0 35 | 1 30 | 0 37 | 15 29 | 20 38 | 20 24 | 8 8 | 15 49 | 7 15 |
| F 14 | 23 31 | 20 21 | 5 4 | 18 12 | 3 54 | 23 26 | 0 4 | 24 15 | 0 58 | 3 16 | 1 19 | 22 31 | 0 58 | 20 16 | 0 35 | 0 35 | 1 30 | 0 37 | 15 29 | 20 37 | 20 23 | 8 11 | 15 49 | 7 15 |
| S 15 | 23 31 | 15 53 | 5 13 | 18 25 | 3 45 | 23 32 | 0 7 | 24 13 | 0 59 | 3 18 | 1 19 | 22 31 | 0 58 | 20 15 | 0 35 | 0 35 | 1 30 | 0 37 | 15 30 | 20 36 | 20 23 | 8 14 | 15 49 | 7 15 |
| S 16 | 23 30 | 10 32 | 5 4 | 18 39 | 3 36 | 23 37 | 0 9 | 24 11 | 0 59 | 3 21 | 1 19 | 22 31 | 0 58 | 20 14 | 0 35 | 0 35 | 1 30 | 0 37 | 15 30 | 20 36 | 20 22 | 8 17 | 15 49 | 7 15 |
| M17 | 23 29 | 4 35 | 4 38 | 18 55 | 3 27 | 23 41 | 0 11 | 24 8 | 0 59 | 3 23 | 1 19 | 22 31 | 0 58 | 20 14 | 0 35 | 0 35 | 1 30 | 0 37 | 15 30 | 20 36 | 20 21 | 8 20 | 15 49 | 7 15 |
| T 18 | 23 28 | 1n40 | 3 55 | 19 11 | 3 16 | 23 44 | 0 14 | 24 5 | 1 0 | 3 26 | 1 20 | 22 31 | 0 58 | 20 13 | 0 35 | 0 34 | 1 30 | 0 37 | 15 30 | 20 36 | 20 21 | 8 23 | 15 49 | 7 15 |
| W19 | 23 26 | 7 54 | 2 56 | 19 28 | 3 5 | 23 47 | 0 16 | 24 2 | 1 0 | 3 28 | 1 20 | 22 31 | 0 58 | 20 12 | 0 35 | 0 34 | 1 30 | 0 37 | 15 31 | 20 36 | 20 20 | 8 26 | 15 50 | 7 16 |
| T 20 | 23 23 | 13 46 | 1 47 | 19 46 | 2 54 | 23 50 | 0 18 | 23 59 | 1 0 | 3 31 | 1 20 | 22 31 | 0 58 | 20 11 | 0 35 | 0 34 | 1 30 | 0 37 | 15 31 | 20 36 | 20 19 | 8 29 | 15 50 | 7 16 |
| F 21 | 23 21 | 18 55 | 0 30 | 20 4 | 2 42 | 23 51 | 0 21 | 23 56 | 1 0 | 3 33 | 1 20 | 22 31 | 0 58 | 20 11 | 0 35 | 0 34 | 1 30 | 0 37 | 15 31 | 20 36 | 20 19 | 8 32 | 15 50 | 7 16 |
| S 22 | 23 18 | 22 56 | 0n48 | 20 23 | 2 30 | 23 52 | 0 23 | 23 52 | 1 1 | 3 35 | 1 21 | 22 31 | 0 58 | 20 10 | 0 35 | 0 34 | 1 30 | 0 37 | 15 31 | 20 36 | 20 18 | 8 35 | 15 50 | 7 16 |
| S 23 | 23 14 | 25 28 | 2 3 | 20 42 | 2 17 | 23 52 | 0 25 | 23 48 | 1 1 | 3 37 | 1 21 | 22 31 | 0 58 | 20 9 | 0 35 | 0 34 | 1 31 | 0 37 | 15 32 | 20 36 | 20 17 | 8 39 | 15 50 | 7 16 |
| M24 | 23 10 | 26 21 | 3 9 | 21 1 | 2 4 | 23 52 | 0 28 | 23 45 | 1 1 | 3 40 | 1 21 | 22 31 | 0 57 | 20 8 | 0 35 | 0 34 | 1 31 | 0 37 | 15 32 | 20 35 | 20 17 | 8 42 | 15 51 | 7 16 |
| T 25 | 23 6 | 25 32 | 4 2 | 21 20 | 1 51 | 23 50 | 0 30 | 23 41 | 1 1 | 3 42 | 1 21 | 22 31 | 0 57 | 20 7 | 0 35 | 0 34 | 1 31 | 0 37 | 15 32 | 20 34 | 20 16 | 8 45 | 15 51 | 7 16 |
| W26 | 23 1 | 23 13 | 4 41 | 21 39 | 1 38 | 23 48 | 0 32 | 23 36 | 1 2 | 3 44 | 1 22 | 22 31 | 0 57 | 20 6 | 0 35 | 0 34 | 1 31 | 0 37 | 15 32 | 20 33 | 20 15 | 8 48 | 15 51 | 7 16 |
| T 27 | 22 56 | 19 43 | 5 3 | 21 57 | 1 25 | 23 45 | 0 34 | 23 32 | 1 2 | 3 46 | 1 22 | 22 31 | 0 57 | 20 6 | 0 35 | 0 34 | 1 31 | 0 37 | 15 33 | 20 32 | 20 15 | 8 51 | 15 51 | 7 16 |
| F 28 | 22 50 | 15 22 | 5 9 | 22 14 | 1 12 | 23 42 | 0 36 | 23 27 | 1 2 | 3 47 | 1 22 | 22 31 | 0 57 | 20 5 | 0 35 | 0 34 | 1 31 | 0 37 | 15 33 | 20 30 | 20 14 | 8 54 | 15 52 | 7 16 |
| S 29 | 22 44 | 10 28 | 5 1 | 22 30 | 0 58 | 23 38 | 0 39 | 23 22 | 1 2 | 3 49 | 1 22 | 22 31 | 0 57 | 20 4 | 0 35 | 0 34 | 1 31 | 0 37 | 15 33 | 20 29 | 20 13 | 8 57 | 15 52 | 7 16 |
| S 30 | 22n38 | 5n15 | 4n38 | 22n45 | 0s45 | 23n33 | 0n41 | 23n17 | 1n 3 | 3n51 | 1s23 | 22s31 | 0n57 | 20n 3 | 0n35 | 0s35 | 1s31 | 0s37 | 15s34 | 20n29 | 20n13 | 9s 0 | 15s52 | 7n16 |

Julian Day Number = 2221601.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'30, Lahiri = 15°04'30 Julian Calendar 1 June 1370 == Greg. Calendar 9 June 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## JULY 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 7 22 | 16♋21'42 | 9♎30 | 29♊47 | 14♋19 | 19♋ 1 | 13♈ 0 | 26°R12 | 3♌23 | 2°R 2 | 7♉42 | 1°R12 | 29♉54 | 29♎52 | 10°R19 | M 1 |
| T 2 | 19 11 18 | 17°18'56 | 21°23 | 1♋33 | 15°33 | 19°40 | 13° 4 | 26♐ 8 | 3°27 | 2♈ 2 | 7°43 | 1°D12 | 29°51 | 29°59 | 10♑15 | T 2 |
| W 3 | 19 15 15 | 18°16'10 | 3♏13 | 3°22 | 16°47 | 20°18 | 13° 9 | 26° 5 | 3°30 | 2° 2 | 7°43 | 1♊13 | 29°48 | 0♏ 6 | 10°11 | W 3 |
| T 4 | 19 19 11 | 19°13'25 | 15° 4 | 5°13 | 18° 0 | 20°57 | 13°13 | 26° 1 | 3°34 | 2° 2 | 7°44 | 1°14 | 29°45 | 0°12 | 10° 8 | T 4 |
| F 5 | 19 23 8 | 20°10'40 | 27° 2 | 7° 8 | 19°14 | 21°36 | 13°17 | 25°57 | 3°37 | 2° 1 | 7°44 | 1°R15 | 29°42 | 0°19 | 10° 4 | F 5 |
| S 6 | 19 27 5 | 21° 7'55 | 9♐11 | 9° 5 | 20°28 | 22°14 | 13°21 | 25°53 | 3°41 | 2° 1 | 7°45 | 1°15 | 29°39 | 0°26 | 10° 1 | S 6 |
| S 7 | 19 31 1 | 22° 5'11 | 21°35 | 11° 5 | 21°42 | 22°53 | 13°25 | 25°49 | 3°45 | 2° 1 | 7°45 | 1°13 | 29°35 | 0°32 | 9°57 | S 7 |
| M 8 | 19 34 58 | 23° 2'28 | 4♑16 | 13° 6 | 22°56 | 23°31 | 13°29 | 25°46 | 3°48 | 2° 1 | 7°46 | 1° 9 | 29°32 | 0°39 | 9°54 | M 8 |
| T 9 | 19 38 54 | 23°59'45 | 17°15 | 15° 9 | 24°10 | 24°10 | 13°32 | 25°42 | 3°52 | 2° 0 | 7°46 | 1° 2 | 29°29 | 0°46 | 9°50 | T 9 |
| W10 | 19 42 51 | 24°57'03 | 0♒33 | 17°13 | 25°24 | 24°48 | 13°36 | 25°38 | 3°56 | 2° 0 | 7°47 | 0°54 | 29°26 | 0°52 | 9°47 | W10 |
| T 11 | 19 46 47 | 25°54'21 | 14° 7 | 19°18 | 26°38 | 25°27 | 13°39 | 25°35 | 3°59 | 1°59 | 7°47 | 0°45 | 29°23 | 0°59 | 9°43 | T 11 |
| F 12 | 19 50 44 | 26°51'41 | 27°55 | 21°24 | 27°52 | 26° 6 | 13°42 | 25°31 | 4° 3 | 1°59 | 7°48 | 0°36 | 29°20 | 1° 6 | 9°40 | F 12 |
| S 13 | 19 54 41 | 27°49'01 | 11♓54 | 23°30 | 29° 6 | 26°44 | 13°44 | 25°28 | 4° 7 | 1°58 | 7°48 | 0°29 | 29°16 | 1°12 | 9°37 | S 13 |
| S 14 | 19 58 37 | 28°46'22 | 25°59 | 25°36 | 0♌20 | 27°22 | 13°47 | 25°25 | 4°10 | 1°58 | 7°48 | 0°23 | 29°13 | 1°19 | 9°33 | S 14 |
| M15 | 20 2 34 | 29°43'45 | 10♈ 8 | 27°42 | 1°34 | 28° 1 | 13°49 | 25°22 | 4°14 | 1°57 | 7°49 | 0°19 | 29°10 | 1°26 | 9°30 | M15 |
| T 16 | 20 6 30 | 0♌41'09 | 24°17 | 29°47 | 2°48 | 28°39 | 13°51 | 25°18 | 4°18 | 1°57 | 7°49 | 0°17 | 29° 7 | 1°32 | 9°27 | T 16 |
| W17 | 20 10 27 | 1°38'34 | 8♉26 | 1♌52 | 4° 2 | 29°18 | 13°53 | 25°15 | 4°21 | 1°56 | 7°49 | 0°D17 | 29° 4 | 1°39 | 9°23 | W17 |
| T 18 | 20 14 23 | 2°36'00 | 22°33 | 3°56 | 5°16 | 29°56 | 13°55 | 25°12 | 4°25 | 1°56 | 7°50 | 0°18 | 29° 0 | 1°46 | 9°20 | T 18 |
| F 19 | 20 18 20 | 3°33'28 | 6♊37 | 5°58 | 6°30 | 0♌35 | 13°57 | 25° 9 | 4°29 | 1°55 | 7°50 | 0°R18 | 28°57 | 1°52 | 9°17 | F 19 |
| S 20 | 20 22 16 | 4°30'57 | 20°36 | 8° 0 | 7°44 | 1°13 | 13°58 | 25° 6 | 4°33 | 1°54 | 7°50 | 0°16 | 28°54 | 1°59 | 9°14 | S 20 |
| S 21 | 20 26 13 | 5°28'27 | 4♋28 | 10° 1 | 8°58 | 1°52 | 13°59 | 25° 3 | 4°36 | 1°54 | 7°50 | 0°12 | 28°51 | 2° 6 | 9°11 | S 21 |
| M22 | 20 30 10 | 6°25'59 | 18°11 | 12° 0 | 10°12 | 2°30 | 14° 0 | 25° 1 | 4°40 | 1°53 | 7°50 | 0° 5 | 28°48 | 2°12 | 9° 8 | M22 |
| T 23 | 20 34 6 | 7°23'32 | 1♌43 | 13°58 | 11°26 | 3° 8 | 14° 1 | 24°58 | 4°44 | 1°52 | 7°51 | 29♉56 | 28°45 | 2°19 | 9° 5 | T 23 |
| W24 | 20 38 3 | 8°21'06 | 15° 1 | 15°54 | 12°41 | 3°47 | 14° 1 | 24°55 | 4°47 | 1°51 | 7°51 | 29°45 | 28°41 | 2°26 | 9° 2 | W24 |
| T 25 | 20 41 59 | 9°18'41 | 28° 2 | 17°49 | 13°55 | 4°25 | 14° 2 | 24°53 | 4°51 | 1°50 | 7°51 | 29°34 | 28°38 | 2°32 | 8°59 | T 25 |
| F 26 | 20 45 56 | 10°16'17 | 10♍46 | 19°43 | 15° 9 | 5° 3 | 14°R 2 | 24°50 | 4°55 | 1°50 | 7°51 | 29°23 | 28°35 | 2°39 | 8°56 | F 26 |
| S 27 | 20 49 52 | 11°13'54 | 23°13 | 21°35 | 16°23 | 5°42 | 14° 2 | 24°48 | 4°59 | 1°49 | 7°51 | 29°13 | 28°32 | 2°46 | 8°53 | S 27 |
| S 28 | 20 53 49 | 12°11'32 | 5♎25 | 23°25 | 17°37 | 6°20 | 14° 2 | 24°46 | 5° 2 | 1°48 | 7°51 | 29° 5 | 28°29 | 2°52 | 8°50 | S 28 |
| M29 | 20 57 45 | 13° 9'11 | 17°26 | 25°15 | 18°51 | 6°58 | 14° 1 | 24°44 | 5° 6 | 1°47 | 7°51 | 29° 0 | 28°26 | 2°59 | 8°48 | M29 |
| T 30 | 21 1 42 | 14° 6'52 | 29°18 | 27° 2 | 20° 6 | 7°37 | 14° 1 | 24°41 | 5°10 | 1°46 | 7°51 | 28°57 | 28°22 | 3° 5 | 8°45 | T 30 |
| W31 | 21 5 39 | 15♌ 4'33 | 11♏ 6 | 28♌48 | 21♌20 | 8♌15 | 14♈ 0 | 24♐39 | 5♌13 | 1♈45 | 7°R51 | 28°D56 | 28♉19 | 3♏12 | 8♑42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n31 | 0s 3 | 4n 3 | 22n59 | 0s32 | 23n27 | 0n43 | 23n12 | 1n 3 | 3n53 | 1s23 | 22s31 | 0n57 | 20n 2 | 0n35 | 0s35 | 1s31 | 0s37 | 15s34 | 20n28 | 20n12 | 9s 3 | 15s53 | 7n16 |
| T 2 | 22 24 | 5 18 | 3 19 | 23 11 | 0 20 | 23 21 | 0 45 | 23 7 | 1 3 | 3 54 | 1 23 | 22 31 | 0 57 | 20 1 | 0 35 | 0 35 | 1 31 | 0 37 | 15 34 | 20 28 | 20 11 | 9 6 | 15 53 | 7 16 |
| W 3 | 22 16 | 10 21 | 2 26 | 23 22 | 0 7 | 23 14 | 0 47 | 23 1 | 1 3 | 3 56 | 1 23 | 22 31 | 0 56 | 20 1 | 0 35 | 0 35 | 1 31 | 0 38 | 15 34 | 20 28 | 20 11 | 9 9 | 15 53 | 7 16 |
| T 4 | 22 8 | 15 2 | 1 26 | 23 30 | 0n 5 | 23 7 | 0 49 | 22 56 | 1 3 | 3 57 | 1 24 | 22 31 | 0 56 | 20 0 | 0 35 | 0 35 | 1 31 | 0 38 | 15 35 | 20 29 | 20 10 | 9 12 | 15 53 | 7 16 |
| F 5 | 22 0 | 19 12 | 0 23 | 23 36 | 0 16 | 22 58 | 0 51 | 22 50 | 1 4 | 3 58 | 1 24 | 22 31 | 0 56 | 19 59 | 0 35 | 0 35 | 1 31 | 0 38 | 15 35 | 20 29 | 20 9 | 9 15 | 15 54 | 7 16 |
| S 6 | 21 51 | 22 37 | 0s43 | 23 40 | 0 27 | 22 49 | 0 52 | 22 44 | 1 4 | 4 0 | 1 24 | 22 31 | 0 56 | 19 58 | 0 35 | 0 35 | 1 31 | 0 38 | 15 35 | 20 29 | 20 9 | 9 18 | 15 54 | 7 16 |
| S 7 | 21 42 | 25 2 | 1 47 | 23 41 | 0 38 | 22 40 | 0 54 | 22 38 | 1 4 | 4 1 | 1 25 | 22 31 | 0 56 | 19 57 | 0 35 | 0 35 | 1 31 | 0 38 | 15 35 | 20 28 | 20 8 | 9 21 | 15 54 | 7 16 |
| M 8 | 21 33 | 26 15 | 2 48 | 23 40 | 0 48 | 22 29 | 0 56 | 22 31 | 1 4 | 4 2 | 1 25 | 22 31 | 0 56 | 19 56 | 0 35 | 0 36 | 1 31 | 0 38 | 15 36 | 20 28 | 20 7 | 9 24 | 15 55 | 7 15 |
| T 9 | 21 23 | 26 4 | 3 41 | 23 36 | 0 57 | 22 18 | 0 58 | 22 25 | 1 4 | 4 3 | 1 25 | 22 31 | 0 56 | 19 55 | 0 35 | 0 36 | 1 31 | 0 38 | 15 36 | 20 26 | 20 7 | 9 27 | 15 55 | 7 15 |
| W10 | 21 13 | 24 24 | 4 24 | 23 29 | 1 5 | 22 7 | 1 0 | 22 18 | 1 5 | 4 4 | 1 25 | 22 31 | 0 56 | 19 55 | 0 35 | 0 36 | 1 31 | 0 38 | 15 36 | 20 25 | 20 6 | 9 30 | 15 56 | 7 15 |
| T 11 | 21 2 | 21 19 | 4 53 | 23 20 | 1 13 | 21 54 | 1 1 | 22 11 | 1 5 | 4 5 | 1 26 | 22 31 | 0 55 | 19 54 | 0 35 | 0 36 | 1 32 | 0 39 | 15 37 | 20 23 | 20 5 | 9 33 | 15 56 | 7 15 |
| F 12 | 20 51 | 17 0 | 5 5 | 23 7 | 1 20 | 21 41 | 1 3 | 22 4 | 1 5 | 4 6 | 1 26 | 22 31 | 0 55 | 19 53 | 0 35 | 0 37 | 1 32 | 0 39 | 15 37 | 20 21 | 20 5 | 9 36 | 15 56 | 7 15 |
| S 13 | 20 40 | 11 44 | 4 59 | 22 53 | 1 26 | 21 28 | 1 4 | 21 57 | 1 5 | 4 7 | 1 26 | 22 32 | 0 55 | 19 52 | 0 35 | 0 37 | 1 32 | 0 39 | 15 37 | 20 19 | 20 4 | 9 40 | 15 57 | 7 15 |
| S 14 | 20 29 | 5 49 | 4 35 | 22 35 | 1 31 | 21 13 | 1 6 | 21 50 | 1 5 | 4 8 | 1 27 | 22 32 | 0 55 | 19 51 | 0 35 | 0 37 | 1 32 | 0 39 | 15 37 | 20 18 | 20 3 | 9 43 | 15 57 | 7 15 |
| M15 | 20 17 | 0n25 | 3 55 | 22 15 | 1 36 | 20 59 | 1 7 | 21 42 | 1 6 | 4 8 | 1 27 | 22 32 | 0 55 | 19 50 | 0 35 | 0 37 | 1 32 | 0 39 | 15 38 | 20 17 | 20 2 | 9 46 | 15 58 | 7 14 |
| T 16 | 20 4 | 6 40 | 3 0 | 21 53 | 1 39 | 20 43 | 1 9 | 21 34 | 1 6 | 4 9 | 1 27 | 22 32 | 0 55 | 19 49 | 0 35 | 0 38 | 1 32 | 0 39 | 15 38 | 20 17 | 20 2 | 9 49 | 15 58 | 7 14 |
| W17 | 19 52 | 12 34 | 1 54 | 21 28 | 1 42 | 20 27 | 1 10 | 21 27 | 1 6 | 4 9 | 1 27 | 22 32 | 0 55 | 19 48 | 0 35 | 0 38 | 1 32 | 0 40 | 15 38 | 20 17 | 20 1 | 9 52 | 15 58 | 7 14 |
| T 18 | 19 39 | 17 48 | 0 41 | 21 2 | 1 44 | 20 11 | 1 12 | 21 19 | 1 6 | 4 10 | 1 28 | 22 32 | 0 54 | 19 48 | 0 35 | 0 38 | 1 32 | 0 40 | 15 39 | 20 17 | 20 0 | 9 55 | 15 59 | 7 14 |
| F 19 | 19 26 | 22 2 | 0n34 | 20 33 | 1 46 | 19 53 | 1 13 | 21 10 | 1 6 | 4 10 | 1 28 | 22 32 | 0 54 | 19 47 | 0 35 | 0 38 | 1 32 | 0 40 | 15 39 | 20 17 | 20 0 | 9 58 | 15 59 | 7 14 |
| S 20 | 19 12 | 24 57 | 1 46 | 20 3 | 1 47 | 19 36 | 1 14 | 21 2 | 1 6 | 4 10 | 1 28 | 22 32 | 0 54 | 19 46 | 0 35 | 0 39 | 1 32 | 0 40 | 15 39 | 20 17 | 19 59 | 10 1 | 16 0 | 7 13 |
| S 21 | 18 58 | 26 18 | 2 51 | 19 31 | 1 47 | 19 17 | 1 15 | 20 54 | 1 7 | 4 11 | 1 28 | 22 32 | 0 54 | 19 45 | 0 35 | 0 39 | 1 32 | 0 40 | 15 40 | 20 16 | 19 58 | 10 4 | 16 0 | 7 13 |
| M22 | 18 44 | 26 1 | 3 46 | 18 57 | 1 46 | 18 58 | 1 16 | 20 45 | 1 7 | 4 11 | 1 29 | 22 32 | 0 54 | 19 44 | 0 35 | 0 39 | 1 32 | 0 41 | 15 40 | 20 14 | 19 58 | 10 7 | 16 0 | 7 13 |
| T 23 | 18 29 | 24 11 | 4 27 | 18 22 | 1 45 | 18 39 | 1 17 | 20 36 | 1 7 | 4 11 | 1 29 | 22 32 | 0 54 | 19 43 | 0 35 | 0 40 | 1 32 | 0 41 | 15 40 | 20 12 | 19 57 | 10 10 | 16 1 | 7 13 |
| W24 | 18 14 | 21 2 | 4 52 | 17 46 | 1 43 | 18 19 | 1 18 | 20 28 | 1 7 | 4 11 | 1 29 | 22 32 | 0 54 | 19 42 | 0 35 | 0 40 | 1 32 | 0 41 | 15 40 | 20 10 | 19 56 | 10 13 | 16 1 | 7 12 |
| T 25 | 17 59 | 16 55 | 5 2 | 17 9 | 1 41 | 17 58 | 1 19 | 20 19 | 1 7 | 4 11 | 1 30 | 22 32 | 0 53 | 19 41 | 0 35 | 0 41 | 1 32 | 0 41 | 15 41 | 20 8 | 19 56 | 10 16 | 16 2 | 7 12 |
| F 26 | 17 44 | 12 7 | 4 56 | 16 30 | 1 38 | 17 38 | 1 20 | 20 9 | 1 7 | 4 10 | 1 30 | 22 32 | 0 53 | 19 40 | 0 35 | 0 41 | 1 32 | 0 42 | 15 41 | 20 5 | 19 55 | 10 19 | 16 2 | 7 12 |
| S 27 | 17 28 | 6 56 | 4 36 | 15 51 | 1 35 | 17 16 | 1 21 | 20 0 | 1 8 | 4 10 | 1 30 | 22 32 | 0 53 | 19 40 | 0 35 | 0 41 | 1 32 | 0 42 | 15 41 | 20 3 | 19 54 | 10 22 | 16 3 | 7 12 |
| S 28 | 17 12 | 1 34 | 4 4 | 15 11 | 1 31 | 16 54 | 1 22 | 19 51 | 1 8 | 4 10 | 1 30 | 22 32 | 0 53 | 19 39 | 0 35 | 0 42 | 1 32 | 0 42 | 15 42 | 20 1 | 19 53 | 10 25 | 16 3 | 7 11 |
| M29 | 16 56 | 3s46 | 3 21 | 14 31 | 1 27 | 16 32 | 1 22 | 19 41 | 1 8 | 4 9 | 1 31 | 22 32 | 0 53 | 19 38 | 0 35 | 0 42 | 1 32 | 0 42 | 15 42 | 20 0 | 19 53 | 10 28 | 16 4 | 7 11 |
| T 30 | 16 39 | 8 55 | 2 30 | 13 49 | 1 22 | 16 9 | 1 23 | 19 32 | 1 8 | 4 9 | 1 31 | 22 32 | 0 53 | 19 37 | 0 35 | 0 43 | 1 32 | 0 43 | 15 42 | 20 0 | 19 52 | 10 31 | 16 4 | 7 11 |
| W31 | 16n22 | 13s44 | 1n33 | 13n 8 | 1n17 | 15n46 | 1n24 | 19n22 | 1n 8 | 4n 8 | 1s31 | 22s32 | 0n53 | 19n36 | 0n35 | 0s43 | 1s33 | 0s43 | 15s43 | 19n59 | 19n51 | 10s34 | 16s 5 | 7n10 |

Julian Day Number = 2221631.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'20, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'34, Lahiri = 15°04'35 Julian Calendar 1 July 1370 == Greg. Calendar 9 July 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## AUGUST 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 9 35 | 16♌ 2'16 | 22♏57 | 0♍33 | 22♌34 | 8♌53 | 13°R59 | 24°R37 | 5♌17 | 1°R44 | 7°R51 | 28°R56 | 28♉16 | 3♏19 | 8°R40 | T 1 |
| F 2 | 21 13 32 | 16°59'59 | 4♐56 | 2°17 | 23°48 | 9°32 | 13♈58 | 24♐36 | 5°21 | 1♈43 | 7♉51 | 28♉56 | 28°13 | 3°25 | 8♑37 | F 2 |
| S 3 | 21 17 28 | 17°57'44 | 17° 7 | 3°59 | 25° 2 | 10°10 | 13°56 | 24°34 | 5°24 | 1°42 | 7°51 | 28°55 | 28°10 | 3°32 | 8°35 | S 3 |
| S 4 | 21 21 25 | 18°55'31 | 29°35 | 5°39 | 26°17 | 10°48 | 13°55 | 24°32 | 5°28 | 1°41 | 7°51 | 28°52 | 28° 6 | 3°39 | 8°33 | S 4 |
| M 5 | 21 25 21 | 19°53'18 | 12♑25 | 7°18 | 27°31 | 11°26 | 13°53 | 24°31 | 5°32 | 1°39 | 7°51 | 28°46 | 28° 3 | 3°45 | 8°30 | M 5 |
| T 6 | 21 29 18 | 20°51'07 | 25°38 | 8°56 | 28°45 | 12° 5 | 13°51 | 24°29 | 5°35 | 1°38 | 7°51 | 28°38 | 28° 0 | 3°52 | 8°28 | T 6 |
| W 7 | 21 33 14 | 21°48'57 | 9♒14 | 10°32 | 29°59 | 12°43 | 13°49 | 24°28 | 5°39 | 1°37 | 7°51 | 28°27 | 27°57 | 3°59 | 8°26 | W 7 |
| T 8 | 21 37 11 | 22°46'49 | 23°11 | 12° 7 | 1♍14 | 13°21 | 13°46 | 24°26 | 5°42 | 1°36 | 7°51 | 28°16 | 27°54 | 4° 5 | 8°24 | T 8 |
| F 9 | 21 41 8 | 23°44'42 | 7♓25 | 13°41 | 2°28 | 13°59 | 13°44 | 24°25 | 5°46 | 1°35 | 7°50 | 28° 4 | 27°51 | 4°12 | 8°22 | F 9 |
| S 10 | 21 45 4 | 24°42'36 | 21°50 | 15°13 | 3°42 | 14°37 | 13°41 | 24°24 | 5°50 | 1°33 | 7°50 | 27°54 | 27°47 | 4°19 | 8°20 | S 10 |
| S 11 | 21 49 1 | 25°40'32 | 6♈20 | 16°44 | 4°57 | 15°15 | 13°38 | 24°23 | 5°53 | 1°32 | 7°50 | 27°46 | 27°44 | 4°25 | 8°18 | S 11 |
| M12 | 21 52 57 | 26°38'31 | 20°49 | 18°14 | 6°11 | 15°54 | 13°35 | 24°22 | 5°57 | 1°31 | 7°50 | 27°40 | 27°41 | 4°32 | 8°16 | M12 |
| T 13 | 21 56 54 | 27°36'31 | 5♉11 | 19°42 | 7°25 | 16°32 | 13°32 | 24°21 | 6° 0 | 1°30 | 7°49 | 27°37 | 27°38 | 4°39 | 8°14 | T 13 |
| W14 | 22 0 50 | 28°34'33 | 19°24 | 21° 9 | 8°40 | 17°10 | 13°28 | 24°20 | 6° 4 | 1°28 | 7°49 | 27°36 | 27°35 | 4°45 | 8°12 | W14 |
| T 15 | 22 4 47 | 29°32'37 | 3♊27 | 22°35 | 9°54 | 17°48 | 13°24 | 24°20 | 6° 7 | 1°27 | 7°49 | 27°36 | 27°31 | 4°52 | 8°10 | T 15 |
| F 16 | 22 8 43 | 0♍30'43 | 17°19 | 23°59 | 11° 8 | 18°26 | 13°20 | 24°19 | 6°11 | 1°26 | 7°48 | 27°36 | 27°28 | 4°59 | 8° 9 | F 16 |
| S 17 | 22 12 40 | 1°28'52 | 1♋ 0 | 25°21 | 12°23 | 19° 4 | 13°16 | 24°19 | 6°14 | 1°24 | 7°48 | 27°33 | 27°25 | 5° 5 | 8° 7 | S 17 |
| S 18 | 22 16 37 | 2°27'02 | 14°31 | 26°42 | 13°37 | 19°43 | 13°12 | 24°18 | 6°18 | 1°23 | 7°48 | 27°29 | 27°22 | 5°12 | 8° 6 | S 18 |
| M19 | 22 20 33 | 3°25'14 | 27°51 | 28° 2 | 14°51 | 20°21 | 13° 8 | 24°18 | 6°21 | 1°21 | 7°47 | 27°21 | 27°19 | 5°19 | 8° 4 | M19 |
| T 20 | 22 24 30 | 4°23'28 | 11♌ 0 | 29°20 | 16° 6 | 20°59 | 13° 3 | 24°18 | 6°24 | 1°20 | 7°47 | 27°11 | 27°16 | 5°25 | 8° 3 | T 20 |
| W21 | 22 28 26 | 5°21'44 | 23°57 | 0♎37 | 17°20 | 21°37 | 12°58 | 24°D18 | 6°28 | 1°19 | 7°47 | 26°58 | 27°12 | 5°32 | 8° 2 | W21 |
| T 22 | 22 32 23 | 6°20'02 | 6♍41 | 1°51 | 18°34 | 22°15 | 12°53 | 24°18 | 6°31 | 1°17 | 7°46 | 26°45 | 27° 9 | 5°39 | 8° 1 | T 22 |
| F 23 | 22 36 19 | 7°18'22 | 19°12 | 3° 5 | 19°49 | 22°53 | 12°48 | 24°18 | 6°34 | 1°16 | 7°46 | 26°32 | 27° 6 | 5°45 | 7°59 | F 23 |
| S 24 | 22 40 16 | 8°16'43 | 1♎29 | 4°16 | 21° 3 | 23°31 | 12°43 | 24°18 | 6°38 | 1°14 | 7°45 | 26°21 | 27° 3 | 5°52 | 7°58 | S 24 |
| S 25 | 22 44 12 | 9°15'06 | 13°35 | 5°25 | 22°17 | 24° 9 | 12°37 | 24°19 | 6°41 | 1°13 | 7°45 | 26°12 | 27° 0 | 5°59 | 7°57 | S 25 |
| M26 | 22 48 9 | 10°13'31 | 25°31 | 6°33 | 23°32 | 24°48 | 12°32 | 24°19 | 6°44 | 1°11 | 7°44 | 26° 5 | 26°57 | 6° 5 | 7°57 | M26 |
| T 27 | 22 52 5 | 11°11'58 | 7♏20 | 7°38 | 24°46 | 25°26 | 12°26 | 24°19 | 6°47 | 1° 9 | 7°44 | 26° 1 | 26°53 | 6°12 | 7°56 | T 27 |
| W28 | 22 56 2 | 12°10'26 | 19° 7 | 8°41 | 26° 1 | 26° 4 | 12°20 | 24°20 | 6°51 | 1° 8 | 7°43 | 26° 0 | 26°50 | 6°19 | 7°55 | W28 |
| T 29 | 22 59 59 | 13° 8'56 | 0♐56 | 9°42 | 27°15 | 26°42 | 12°14 | 24°21 | 6°54 | 1° 6 | 7°42 | 26°D 0 | 26°47 | 6°25 | 7°54 | T 29 |
| F 30 | 23 3 55 | 14° 7'28 | 12°53 | 10°40 | 28°29 | 27°20 | 12° 8 | 24°22 | 6°57 | 1° 5 | 7°42 | 26°R 0 | 26°44 | 6°32 | 7°54 | F 30 |
| S 31 | 23 7 52 | 15♍ 6'01 | 25♐ 2 | 11♎35 | 29♍44 | 27♌58 | 12♈ 2 | 24♐22 | 7♌ 0 | 1♈ 3 | 7♉41 | 26♉ 0 | 26♉41 | 6♏38 | 7♑53 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n 5 | 18s 4 | 0n32 | 12n26 | 1n12 | 15n22 | 1n24 | 19n12 | 1n 8 | 4n 8 | 1s32 | 22s32 | 0n52 | 19n35 | 0n35 | 0s43 | 1s33 | 0s43 | 15s43 | 19n59 | 19n51 | 10s37 | 16s 5 | 7n10 | |
| F 2 | 15 48 | 21 43 | 0s32 | 11 43 | 1 6 | 14 58 | 1 25 | 19 2 | 1 8 | 4 7 | 1 32 | 22 32 | 0 52 | 19 34 | 0 35 | 0 44 | 1 33 | 0 44 | 15 43 | 19 59 | 19 50 | 10 40 | 16 6 | 7 10 | |
| S 3 | 15 30 | 24 28 | 1 35 | 11 1 | 1 0 | 14 33 | 1 25 | 18 51 | 1 9 | 4 6 | 1 32 | 22 33 | 0 52 | 19 33 | 0 35 | 0 44 | 1 33 | 0 44 | 15 43 | 19 59 | 19 49 | 10 43 | 16 6 | 7 9 | |
| S 4 | 15 12 | 26 6 | 2 35 | 10 18 | 0 53 | 14 8 | 1 25 | 18 41 | 1 9 | 4 5 | 1 32 | 22 33 | 0 52 | 19 33 | 0 35 | 0 45 | 1 33 | 0 44 | 15 44 | 19 59 | 19 48 | 10 46 | 16 7 | 7 9 | |
| M 5 | 14 54 | 26 24 | 3 29 | 9 35 | 0 47 | 13 43 | 1 25 | 18 31 | 1 9 | 4 4 | 1 33 | 22 33 | 0 52 | 19 32 | 0 35 | 0 45 | 1 33 | 0 44 | 15 44 | 19 57 | 19 48 | 10 49 | 16 7 | 7 9 | |
| T 6 | 14 36 | 25 14 | 4 13 | 8 52 | 0 40 | 13 17 | 1 26 | 18 20 | 1 9 | 4 3 | 1 33 | 22 33 | 0 52 | 19 31 | 0 35 | 0 46 | 1 33 | 0 45 | 15 44 | 19 55 | 19 47 | 10 52 | 16 8 | 7 8 | |
| W 7 | 14 17 | 22 34 | 4 44 | 8 9 | 0 33 | 12 51 | 1 26 | 18 9 | 1 9 | 4 2 | 1 33 | 22 33 | 0 52 | 19 30 | 0 35 | 0 46 | 1 33 | 0 45 | 15 45 | 19 53 | 19 46 | 10 55 | 16 8 | 7 8 | |
| T 8 | 13 58 | 18 32 | 4 59 | 7 26 | 0 26 | 12 25 | 1 26 | 17 59 | 1 9 | 4 1 | 1 33 | 22 33 | 0 51 | 19 29 | 0 36 | 0 47 | 1 33 | 0 45 | 15 45 | 19 51 | 19 46 | 10 58 | 16 9 | 7 7 | |
| F 9 | 13 39 | 13 24 | 4 57 | 6 43 | 0 18 | 11 58 | 1 26 | 17 48 | 1 9 | 4 0 | 1 34 | 22 33 | 0 51 | 19 28 | 0 36 | 0 47 | 1 33 | 0 46 | 15 45 | 19 48 | 19 45 | 11 1 | 16 9 | 7 7 | |
| S 10 | 13 20 | 7 27 | 4 35 | 6 0 | 0 10 | 11 31 | 1 26 | 17 37 | 1 9 | 3 59 | 1 34 | 22 33 | 0 51 | 19 27 | 0 36 | 0 48 | 1 33 | 0 46 | 15 46 | 19 46 | 19 44 | 11 4 | 16 10 | 7 7 | |
| S 11 | 13 0 | 1 5 | 3 56 | 5 17 | 0 2 | 11 3 | 1 26 | 17 25 | 1 9 | 3 57 | 1 34 | 22 33 | 0 51 | 19 26 | 0 36 | 0 48 | 1 33 | 0 46 | 15 46 | 19 44 | 19 43 | 11 7 | 16 10 | 7 6 | |
| M12 | 12 41 | 5n21 | 3 1 | 4 35 | 0s 6 | 10 36 | 1 25 | 17 14 | 1 10 | 3 56 | 1 34 | 22 33 | 0 51 | 19 26 | 0 36 | 0 49 | 1 33 | 0 47 | 15 46 | 19 42 | 19 43 | 11 10 | 16 11 | 7 6 | |
| T 13 | 12 21 | 11 29 | 1 56 | 3 53 | 0 14 | 10 8 | 1 25 | 17 3 | 1 10 | 3 54 | 1 35 | 22 34 | 0 51 | 19 25 | 0 36 | 0 50 | 1 33 | 0 47 | 15 46 | 19 42 | 19 42 | 11 13 | 16 11 | 7 5 | |
| W14 | 12 1 | 16 57 | 0 43 | 3 11 | 0 22 | 9 40 | 1 25 | 16 51 | 1 10 | 3 53 | 1 35 | 22 34 | 0 50 | 19 24 | 0 36 | 0 50 | 1 33 | 0 48 | 15 47 | 19 42 | 19 41 | 11 16 | 16 12 | 7 5 | |
| T 15 | 11 40 | 21 25 | 0n31 | 2 30 | 0 30 | 9 11 | 1 24 | 16 40 | 1 10 | 3 51 | 1 35 | 22 34 | 0 50 | 19 23 | 0 36 | 0 51 | 1 33 | 0 48 | 15 47 | 19 42 | 19 41 | 11 19 | 16 12 | 7 5 | |
| F 16 | 11 20 | 24 37 | 1 42 | 1 49 | 0 39 | 8 42 | 1 24 | 16 28 | 1 10 | 3 49 | 1 35 | 22 34 | 0 50 | 19 22 | 0 36 | 0 51 | 1 33 | 0 48 | 15 47 | 19 41 | 19 40 | 11 22 | 16 13 | 7 4 | |
| S 17 | 10 59 | 26 18 | 2 47 | 1 8 | 0 47 | 8 13 | 1 23 | 16 16 | 1 10 | 3 47 | 1 36 | 22 34 | 0 50 | 19 21 | 0 36 | 0 52 | 1 33 | 0 49 | 15 48 | 19 41 | 19 39 | 11 25 | 16 13 | 7 4 | |
| S 18 | 10 38 | 26 23 | 3 41 | 0 28 | 0 56 | 7 44 | 1 23 | 16 4 | 1 10 | 3 46 | 1 36 | 22 34 | 0 50 | 19 20 | 0 36 | 0 52 | 1 33 | 0 49 | 15 48 | 19 40 | 19 38 | 11 28 | 16 14 | 7 3 | |
| M19 | 10 17 | 24 56 | 4 22 | 0s12 | 1 4 | 7 15 | 1 22 | 15 52 | 1 10 | 3 44 | 1 36 | 22 34 | 0 50 | 19 20 | 0 36 | 0 53 | 1 33 | 0 49 | 15 48 | 19 38 | 19 38 | 11 31 | 16 14 | 7 3 | |
| T 20 | 9 56 | 22 9 | 4 49 | 0 51 | 1 13 | 6 45 | 1 21 | 15 40 | 1 10 | 3 42 | 1 36 | 22 35 | 0 49 | 19 19 | 0 36 | 0 54 | 1 33 | 0 50 | 15 48 | 19 36 | 19 37 | 11 34 | 16 15 | 7 2 | |
| W21 | 9 35 | 18 18 | 5 0 | 1 30 | 1 22 | 6 15 | 1 20 | 15 28 | 1 10 | 3 40 | 1 36 | 22 35 | 0 49 | 19 18 | 0 36 | 0 54 | 1 33 | 0 50 | 15 49 | 19 33 | 19 36 | 11 37 | 16 15 | 7 2 | |
| T 22 | 9 13 | 13 40 | 4 56 | 2 7 | 1 30 | 5 45 | 1 20 | 15 15 | 1 11 | 3 37 | 1 37 | 22 35 | 0 49 | 19 17 | 0 36 | 0 55 | 1 33 | 0 51 | 15 49 | 19 30 | 19 35 | 11 40 | 16 16 | 7 1 | |
| F 23 | 8 51 | 8 33 | 4 38 | 2 44 | 1 39 | 5 15 | 1 19 | 15 3 | 1 11 | 3 35 | 1 37 | 22 35 | 0 49 | 19 16 | 0 36 | 0 55 | 1 33 | 0 51 | 15 49 | 19 27 | 19 35 | 11 43 | 16 17 | 7 1 | |
| S 24 | 8 30 | 3 10 | 4 7 | 3 21 | 1 48 | 4 45 | 1 18 | 14 50 | 1 11 | 3 33 | 1 37 | 22 35 | 0 49 | 19 15 | 0 36 | 0 56 | 1 33 | 0 51 | 15 49 | 19 24 | 19 34 | 11 46 | 16 17 | 7 1 | |
| S 25 | 8 8 | 2s14 | 3 25 | 3 56 | 1 56 | 4 14 | 1 17 | 14 38 | 1 11 | 3 31 | 1 37 | 22 35 | 0 49 | 19 15 | 0 36 | 0 57 | 1 33 | 0 52 | 15 50 | 19 22 | 19 33 | 11 49 | 16 18 | 7 0 | |
| M26 | 7 46 | 7 30 | 2 34 | 4 31 | 2 5 | 3 44 | 1 15 | 14 25 | 1 11 | 3 28 | 1 37 | 22 35 | 0 49 | 19 14 | 0 36 | 0 57 | 1 33 | 0 52 | 15 50 | 19 21 | 19 33 | 11 52 | 16 18 | 7 0 | |
| T 27 | 7 23 | 12 28 | 1 37 | 5 4 | 2 13 | 3 13 | 1 14 | 14 12 | 1 11 | 3 26 | 1 38 | 22 36 | 0 48 | 19 13 | 0 36 | 0 58 | 1 34 | 0 52 | 15 50 | 19 20 | 19 32 | 11 55 | 16 19 | 6 59 | |
| W28 | 7 1 | 16 59 | 0 37 | 5 37 | 2 21 | 2 42 | 1 13 | 13 59 | 1 11 | 3 23 | 1 38 | 22 36 | 0 48 | 19 12 | 0 36 | 0 59 | 1 34 | 0 53 | 15 50 | 19 19 | 19 31 | 11 58 | 16 19 | 6 59 | |
| T 29 | 6 39 | 20 51 | 0s26 | 6 8 | 2 29 | 2 12 | 1 12 | 13 46 | 1 11 | 3 21 | 1 38 | 22 36 | 0 48 | 19 12 | 0 36 | 0 59 | 1 34 | 0 53 | 15 51 | 19 19 | 19 30 | 12 1 | 16 20 | 6 58 | |
| F 30 | 6 16 | 23 53 | 1 29 | 6 39 | 2 37 | 1 41 | 1 10 | 13 33 | 1 11 | 3 18 | 1 38 | 22 36 | 0 48 | 19 11 | 0 36 | 1 0 | 1 34 | 0 54 | 15 51 | 19 19 | 19 30 | 12 4 | 16 20 | 6 58 | |
| S 31 | 5n53 | 25s54 | 2s28 | 7s 8 | 2s45 | 1n10 | 1n 9 | 13n20 | 1n11 | 3n16 | 1s38 | 22s36 | 0n48 | 19n10 | 0n36 | 1s 1 | 1s34 | 0s54 | 15s51 | 19n19 | 19n29 | 12s 7 | 16s21 | 6n57 | |

Julian Day Number = 2221662.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'38, Lahiri = 15°04'39 Julian Calendar 1 Aug. 1370 == Greg. Calendar 9 Aug. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## SEPTEMBER 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 11 48 | 16♍ 4'37 | 7♉30 | 12♎27 | 0♎58 | 28♌36 | 11°R55 | 24♐23 | 7♌ 3 | 1°R 2 | 7°R41 | 25°R58 | 26♉37 | 6♏45 | 7°R53 | S 1 |
| M 2 | 23 15 45 | 17° 3'13 | 20°21 | 13°17 | 2°13 | 29°14 | 11♈49 | 24°25 | 7° 6 | 1♈ 0 | 7♉40 | 25♉53 | 26°34 | 6°52 | 7♉52 | M 2 |
| T 3 | 23 19 41 | 18° 1'52 | 3♒38 | 14° 3 | 3°27 | 29°52 | 11°42 | 24°26 | 7° 9 | 0°58 | 7°39 | 25°47 | 26°31 | 6°58 | 7°52 | T 3 |
| W 4 | 23 23 38 | 19° 0'32 | 17°23 | 14°45 | 4°41 | 0♍30 | 11°35 | 24°27 | 7°12 | 0°57 | 7°39 | 25°38 | 26°28 | 7° 5 | 7°52 | W 4 |
| T 5 | 23 27 34 | 19°59'14 | 1♓34 | 15°23 | 5°56 | 1° 8 | 11°28 | 24°28 | 7°15 | 0°55 | 7°38 | 25°28 | 26°25 | 7°12 | 7°52 | T 5 |
| F 6 | 23 31 31 | 20°57'58 | 16° 6 | 15°57 | 7°10 | 1°46 | 11°21 | 24°30 | 7°18 | 0°54 | 7°37 | 25°18 | 26°22 | 7°18 | 7°D52 | F 6 |
| S 7 | 23 35 28 | 21°56'44 | 0♈54 | 16°26 | 8°24 | 2°24 | 11°14 | 24°32 | 7°21 | 0°52 | 7°37 | 25° 9 | 26°18 | 7°25 | 7°52 | S 7 |
| S 8 | 23 39 24 | 22°55'32 | 15°48 | 16°51 | 9°39 | 3° 2 | 11° 7 | 24°33 | 7°24 | 0°50 | 7°36 | 25° 1 | 26°15 | 7°32 | 7°52 | S 8 |
| M 9 | 23 43 21 | 23°54'22 | 0♉40 | 17°10 | 10°53 | 3°40 | 10°59 | 24°35 | 7°27 | 0°49 | 7°35 | 24°57 | 26°12 | 7°38 | 7°52 | M 9 |
| T 10 | 23 47 17 | 24°53'15 | 15°23 | 17°23 | 12° 8 | 4°18 | 10°52 | 24°37 | 7°30 | 0°47 | 7°34 | 24°55 | 26° 9 | 7°45 | 7°52 | T 10 |
| W11 | 23 51 14 | 25°52'10 | 29°52 | 17°30 | 13°22 | 4°56 | 10°44 | 24°39 | 7°32 | 0°45 | 7°33 | 24°D54 | 26° 6 | 7°52 | 7°53 | W11 |
| T 12 | 23 55 10 | 26°51'07 | 14♊ 3 | 17°R30 | 14°36 | 5°34 | 10°37 | 24°41 | 7°35 | 0°44 | 7°33 | 24°55 | 26° 3 | 7°58 | 7°53 | T 12 |
| F 13 | 23 59 7 | 27°50'07 | 27°55 | 17°23 | 15°51 | 6°13 | 10°29 | 24°43 | 7°38 | 0°42 | 7°32 | 24°R55 | 25°59 | 8° 5 | 7°54 | F 13 |
| S 14 | 0 3 3 | 28°49'09 | 11♋30 | 17° 9 | 17° 5 | 6°51 | 10°21 | 24°45 | 7°41 | 0°40 | 7°31 | 24°55 | 25°56 | 8°12 | 7°54 | S 14 |
| S 15 | 0 7 0 | 29°48'13 | 24°48 | 16°48 | 18°19 | 7°29 | 10°13 | 24°48 | 7°43 | 0°39 | 7°30 | 24°52 | 25°53 | 8°18 | 7°55 | S 15 |
| M16 | 0 10 57 | 0♎47'20 | 7♌52 | 16°19 | 19°34 | 8° 7 | 10° 6 | 24°50 | 7°46 | 0°37 | 7°29 | 24°47 | 25°50 | 8°25 | 7°56 | M16 |
| T 17 | 0 14 53 | 1°46'28 | 20°41 | 15°41 | 20°48 | 8°45 | 9°58 | 24°52 | 7°48 | 0°35 | 7°28 | 24°39 | 25°47 | 8°32 | 7°56 | T 17 |
| W18 | 0 18 50 | 2°45'40 | 3♍19 | 14°57 | 22° 2 | 9°23 | 9°50 | 24°55 | 7°51 | 0°34 | 7°28 | 24°30 | 25°43 | 8°38 | 7°57 | W18 |
| T 19 | 0 22 46 | 3°44'53 | 15°45 | 14° 5 | 23°17 | 10° 1 | 9°42 | 24°58 | 7°53 | 0°32 | 7°27 | 24°21 | 25°40 | 8°45 | 7°58 | T 19 |
| F 20 | 0 26 43 | 4°44'08 | 28° 1 | 13° 6 | 24°31 | 10°39 | 9°34 | 25° 1 | 7°56 | 0°30 | 7°26 | 24°11 | 25°37 | 8°52 | 7°59 | F 20 |
| S 21 | 0 30 39 | 5°43'26 | 10♎ 7 | 12° 2 | 25°46 | 11°17 | 9°26 | 25° 3 | 7°58 | 0°29 | 7°25 | 24° 3 | 25°34 | 8°58 | 8° 0 | S 21 |
| S 22 | 0 34 36 | 6°42'45 | 22° 5 | 10°54 | 27° 0 | 11°55 | 9°18 | 25° 6 | 8° 0 | 0°27 | 7°24 | 23°56 | 25°31 | 9° 5 | 8° 2 | S 22 |
| M23 | 0 38 32 | 7°42'07 | 3♏56 | 9°43 | 28°14 | 12°33 | 9° 9 | 25° 9 | 8° 3 | 0°25 | 7°23 | 23°52 | 25°28 | 9°11 | 8° 3 | M23 |
| T 24 | 0 42 29 | 8°41'30 | 15°43 | 8°32 | 29°29 | 13°11 | 9° 1 | 25°13 | 8° 5 | 0°24 | 7°22 | 23°50 | 25°24 | 9°18 | 8° 4 | T 24 |
| W25 | 0 46 26 | 9°40'56 | 27°29 | 7°21 | 0♏43 | 13°49 | 8°53 | 25°16 | 8° 7 | 0°22 | 7°21 | 23°D49 | 25°21 | 9°25 | 8° 6 | W25 |
| T 26 | 0 50 22 | 10°40'24 | 9♐17 | 6°13 | 1°57 | 14°27 | 8°45 | 25°19 | 8° 9 | 0°20 | 7°20 | 23°50 | 25°18 | 9°31 | 8° 7 | T 26 |
| F 27 | 0 54 19 | 11°39'53 | 21°13 | 5°11 | 3°12 | 15° 5 | 8°37 | 25°23 | 8°11 | 0°19 | 7°19 | 23°52 | 25°15 | 9°38 | 8° 9 | F 27 |
| S 28 | 0 58 15 | 12°39'24 | 3♑21 | 4°16 | 4°26 | 15°43 | 8°29 | 25°26 | 8°14 | 0°17 | 7°18 | 23°53 | 25°12 | 9°45 | 8°10 | S 28 |
| S 29 | 1 2 12 | 13°38'57 | 15°45 | 3°29 | 5°40 | 16°21 | 8°21 | 25°30 | 8°16 | 0°15 | 7°17 | 23°R54 | 25° 8 | 9°51 | 8°12 | S 29 |
| M30 | 1 6 8 | 14♎38'32 | 28♑32 | 2♎52 | 6♏55 | 16♍59 | 8♈13 | 25♐33 | 8♌18 | 0♈14 | 7♉16 | 23♉52 | 25♉ 5 | 9♏58 | 8♑14 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n31 | 26s40 | 3s22 | 7s35 | 2s52 | 0n39 | 1n 7 | 13n 7 | 1n11 | 3n13 | 1s38 | 22s37 | 0n48 | 19n 9 | 0n36 | 1s 1 | 1s34 | 0s55 | 15s51 | 19n19 | 19n28 | 12s10 | 16s21 | 6n57 |
| M 2 | 5 8 | 26 3 | 4 7 | 8 1 | 3 0 | 0 8 | 1 6 | 12 54 | 1 11 | 3 10 | 1 39 | 22 37 | 0 47 | 19 8 | 0 36 | 1 2 | 1 34 | 0 55 | 15 52 | 19 18 | 19 27 | 12 13 | 16 22 | 6 56 |
| T 3 | 4 45 | 23 58 | 4 41 | 8 25 | 3 7 | 0s24 | 1 4 | 12 40 | 1 11 | 3 8 | 1 39 | 22 37 | 0 47 | 19 8 | 0 36 | 1 3 | 1 34 | 0 55 | 15 52 | 19 16 | 19 27 | 12 16 | 16 22 | 6 56 |
| W 4 | 4 22 | 20 26 | 5 0 | 8 48 | 3 13 | 0 55 | 1 3 | 12 27 | 1 11 | 3 5 | 1 39 | 22 37 | 0 47 | 19 7 | 0 36 | 1 3 | 1 34 | 0 56 | 15 52 | 19 14 | 19 26 | 12 18 | 16 23 | 6 55 |
| T 5 | 3 59 | 15 39 | 5 2 | 9 8 | 3 19 | 1 26 | 1 1 | 12 13 | 1 11 | 3 2 | 1 39 | 22 37 | 0 47 | 19 6 | 0 36 | 1 4 | 1 34 | 0 56 | 15 52 | 19 12 | 19 25 | 12 21 | 16 23 | 6 55 |
| F 6 | 3 36 | 9 51 | 4 44 | 9 26 | 3 25 | 1 57 | 0 59 | 12 0 | 1 11 | 2 59 | 1 39 | 22 38 | 0 47 | 19 6 | 0 36 | 1 5 | 1 34 | 0 57 | 15 53 | 19 9 | 19 24 | 12 24 | 16 24 | 6 54 |
| S 7 | 3 12 | 3 25 | 4 7 | 9 42 | 3 30 | 2 28 | 0 57 | 11 46 | 1 11 | 2 56 | 1 39 | 22 38 | 0 47 | 19 5 | 0 36 | 1 5 | 1 34 | 0 57 | 15 53 | 19 7 | 19 24 | 12 27 | 16 24 | 6 54 |
| S 8 | 2 49 | 3n16 | 3 13 | 9 56 | 3 34 | 2 59 | 0 56 | 11 32 | 1 12 | 2 53 | 1 39 | 22 38 | 0 47 | 19 4 | 0 36 | 1 6 | 1 34 | 0 58 | 15 53 | 19 5 | 19 23 | 12 30 | 16 25 | 6 53 |
| M 9 | 2 26 | 9 47 | 2 6 | 10 7 | 3 38 | 3 30 | 0 54 | 11 18 | 1 12 | 2 50 | 1 39 | 22 38 | 0 46 | 19 3 | 0 36 | 1 7 | 1 34 | 0 58 | 15 53 | 19 4 | 19 22 | 12 33 | 16 25 | 6 53 |
| T 10 | 2 2 | 15 42 | 0 51 | 10 14 | 3 41 | 4 1 | 0 52 | 11 4 | 1 12 | 2 47 | 1 40 | 22 39 | 0 46 | 19 3 | 0 36 | 1 7 | 1 34 | 0 58 | 15 53 | 19 4 | 19 21 | 12 36 | 16 26 | 6 52 |
| W11 | 1 39 | 20 37 | 0n27 | 10 19 | 3 42 | 4 32 | 0 50 | 10 51 | 1 12 | 2 44 | 1 40 | 22 39 | 0 46 | 19 2 | 0 36 | 1 8 | 1 34 | 0 59 | 15 54 | 19 4 | 19 21 | 12 39 | 16 26 | 6 52 |
| T 12 | 1 15 | 24 14 | 1 41 | 10 20 | 3 43 | 5 3 | 0 48 | 10 37 | 1 12 | 2 41 | 1 40 | 22 39 | 0 46 | 19 1 | 0 36 | 1 9 | 1 34 | 0 59 | 15 54 | 19 4 | 19 20 | 12 42 | 16 27 | 6 51 |
| F 13 | 0 52 | 26 18 | 2 47 | 10 17 | 3 43 | 5 33 | 0 46 | 10 22 | 1 12 | 2 38 | 1 40 | 22 39 | 0 46 | 19 1 | 0 36 | 1 9 | 1 34 | 1 0 | 15 54 | 19 4 | 19 19 | 12 45 | 16 27 | 6 51 |
| S 14 | 0 28 | 26 44 | 3 43 | 10 10 | 3 41 | 6 4 | 0 44 | 10 8 | 1 12 | 2 35 | 1 40 | 22 39 | 0 46 | 19 0 | 0 36 | 1 10 | 1 34 | 1 0 | 15 54 | 19 4 | 19 18 | 12 48 | 16 28 | 6 50 |
| S 15 | 0 5 | 25 35 | 4 25 | 9 59 | 3 38 | 6 34 | 0 41 | 9 54 | 1 12 | 2 32 | 1 40 | 22 40 | 0 45 | 18 59 | 0 36 | 1 11 | 1 34 | 1 1 | 15 54 | 19 3 | 19 18 | 12 51 | 16 28 | 6 50 |
| M16 | 0s19 | 23 5 | 4 53 | 9 43 | 3 34 | 7 5 | 0 39 | 9 40 | 1 12 | 2 29 | 1 40 | 22 40 | 0 45 | 18 59 | 0 36 | 1 11 | 1 34 | 1 1 | 15 55 | 19 2 | 19 17 | 12 54 | 16 29 | 6 49 |
| T 17 | 0 42 | 19 28 | 5 5 | 9 23 | 3 27 | 7 35 | 0 37 | 9 26 | 1 12 | 2 26 | 1 40 | 22 40 | 0 45 | 18 58 | 0 36 | 1 12 | 1 34 | 1 1 | 15 55 | 19 0 | 19 16 | 12 57 | 16 29 | 6 49 |
| W18 | 1 6 | 15 1 | 5 3 | 8 58 | 3 19 | 8 5 | 0 35 | 9 11 | 1 12 | 2 22 | 1 40 | 22 40 | 0 45 | 18 57 | 0 37 | 1 13 | 1 34 | 1 2 | 15 55 | 18 58 | 19 15 | 13 0 | 16 30 | 6 48 |
| T 19 | 1 30 | 10 1 | 4 45 | 8 28 | 3 9 | 8 35 | 0 32 | 8 57 | 1 12 | 2 19 | 1 40 | 22 41 | 0 45 | 18 57 | 0 37 | 1 13 | 1 34 | 1 2 | 15 55 | 18 55 | 19 15 | 13 3 | 16 30 | 6 48 |
| F 20 | 1 53 | 4 42 | 4 15 | 7 55 | 2 57 | 9 4 | 0 30 | 8 42 | 1 12 | 2 16 | 1 40 | 22 41 | 0 45 | 18 56 | 0 37 | 1 14 | 1 34 | 1 3 | 15 55 | 18 53 | 19 14 | 13 6 | 16 30 | 6 47 |
| S 21 | 2 17 | 0s45 | 3 34 | 7 17 | 2 43 | 9 34 | 0 28 | 8 28 | 1 12 | 2 13 | 1 40 | 22 41 | 0 45 | 18 56 | 0 37 | 1 15 | 1 34 | 1 3 | 15 55 | 18 51 | 19 13 | 13 8 | 16 31 | 6 47 |
| S 22 | 2 40 | 6 6 | 2 43 | 6 36 | 2 28 | 10 3 | 0 25 | 8 13 | 1 12 | 2 10 | 1 40 | 22 41 | 0 44 | 18 55 | 0 37 | 1 15 | 1 34 | 1 4 | 15 56 | 18 49 | 19 12 | 13 11 | 16 31 | 6 46 |
| M23 | 3 4 | 11 13 | 1 46 | 5 52 | 2 11 | 10 32 | 0 23 | 7 59 | 1 12 | 2 7 | 1 40 | 22 42 | 0 44 | 18 55 | 0 37 | 1 16 | 1 34 | 1 4 | 15 56 | 18 48 | 19 12 | 13 14 | 16 32 | 6 46 |
| T 24 | 3 27 | 15 54 | 0 44 | 5 6 | 1 52 | 11 1 | 0 20 | 7 44 | 1 12 | 2 3 | 1 40 | 22 42 | 0 44 | 18 54 | 0 37 | 1 17 | 1 34 | 1 4 | 15 56 | 18 48 | 19 11 | 13 17 | 16 32 | 6 45 |
| W25 | 3 51 | 19 59 | 0s20 | 4 20 | 1 32 | 11 29 | 0 18 | 7 29 | 1 12 | 2 0 | 1 40 | 22 42 | 0 44 | 18 53 | 0 37 | 1 17 | 1 34 | 1 5 | 15 56 | 18 48 | 19 10 | 13 20 | 16 33 | 6 45 |
| T 26 | 4 14 | 23 17 | 1 23 | 3 35 | 1 12 | 11 58 | 0 15 | 7 15 | 1 12 | 1 57 | 1 40 | 22 43 | 0 44 | 18 53 | 0 37 | 1 18 | 1 34 | 1 5 | 15 56 | 18 48 | 19 9 | 13 23 | 16 33 | 6 44 |
| F 27 | 4 38 | 25 37 | 2 23 | 2 51 | 0 52 | 12 26 | 0 13 | 7 0 | 1 12 | 1 54 | 1 40 | 22 43 | 0 44 | 18 52 | 0 37 | 1 19 | 1 34 | 1 6 | 15 56 | 18 48 | 19 9 | 13 26 | 16 33 | 6 44 |
| S 28 | 5 1 | 26 47 | 3 18 | 2 10 | 0 31 | 12 53 | 0 10 | 6 45 | 1 12 | 1 51 | 1 40 | 22 43 | 0 44 | 18 52 | 0 37 | 1 19 | 1 34 | 1 6 | 15 56 | 18 49 | 19 8 | 13 29 | 16 34 | 6 43 |
| S 29 | 5 24 | 26 39 | 4 5 | 1 33 | 0 11 | 13 21 | 0 7 | 6 30 | 1 12 | 1 48 | 1 40 | 22 43 | 0 43 | 18 51 | 0 37 | 1 20 | 1 34 | 1 7 | 15 56 | 18 49 | 19 7 | 13 32 | 16 34 | 6 43 |
| M30 | 5s47 | 25s 7 | 4s42 | 1s 1 | 0n 8 | 13s48 | 0n 5 | 6n16 | 1n12 | 1n44 | 1s40 | 22s44 | 0n43 | 18n51 | 0n37 | 1s20 | 1s34 | 1s 7 | 15s57 | 18n48 | 19n 6 | 13s35 | 16s35 | 6n42 |

Julian Day Number = 2221693.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'43, Lahiri = 15°04'43 Julian Calendar 1 Sept. 1370 == Greg. Calendar 9 Sept. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## OCTOBER 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 10 5 | 15♎38'08 | 11♒44 | 2°R25 | 8♏ 9 | 17♍37 | 8°R 5 | 25♐37 | 8♌20 | 0°R12 | 7°R15 | 23°R50 | 25♉ 2 | 10♏ 5 | 8♑16 | T 1 |
| W 2 | 1 14 1 | 16°37'46 | 25°25 | 2♎10 | 9°23 | 18°15 | 7♈57 | 25°41 | 8°21 | 0♈11 | 7♉14 | 23♉46 | 24°59 | 10°11 | 8°18 | W 2 |
| T 3 | 1 17 58 | 17°37'26 | 9♓35 | 2°D 6 | 10°37 | 18°53 | 7°49 | 25°45 | 8°23 | 0° 9 | 7°13 | 23°40 | 24°56 | 10°18 | 8°20 | T 3 |
| F 4 | 1 21 55 | 18°37'08 | 24°11 | 2°12 | 11°52 | 19°31 | 7°41 | 25°49 | 8°25 | 0° 8 | 7°12 | 23°35 | 24°53 | 10°25 | 8°22 | F 4 |
| S 5 | 1 25 51 | 19°36'52 | 9♈ 8 | 2°30 | 13° 6 | 20° 9 | 7°34 | 25°53 | 8°27 | 0° 6 | 7°11 | 23°30 | 24°49 | 10°31 | 8°24 | S 5 |
| S 6 | 1 29 48 | 20°36'37 | 24°16 | 2°58 | 14°20 | 20°47 | 7°26 | 25°57 | 8°29 | 0° 4 | 7°10 | 23°26 | 24°46 | 10°38 | 8°26 | S 6 |
| M 7 | 1 33 44 | 21°36'25 | 9♉27 | 3°35 | 15°34 | 21°25 | 7°18 | 26° 1 | 8°30 | 0° 3 | 7° 9 | 23°24 | 24°43 | 10°45 | 8°29 | M 7 |
| T 8 | 1 37 41 | 22°36'15 | 24°31 | 4°20 | 16°49 | 22° 3 | 7°11 | 26° 5 | 8°32 | 0° 1 | 7° 8 | 23°D23 | 24°40 | 10°51 | 8°31 | T 8 |
| W 9 | 1 41 37 | 23°36'07 | 9♊19 | 5°14 | 18° 3 | 22°41 | 7° 3 | 26°10 | 8°33 | 29♓59 | 7° 6 | 23°24 | 24°37 | 10°58 | 8°33 | W 9 |
| T 10 | 1 45 34 | 24°36'01 | 23°47 | 6°14 | 19°17 | 23°19 | 6°56 | 26°14 | 8°35 | 29°58 | 7° 5 | 23°25 | 24°34 | 11° 5 | 8°36 | T 10 |
| F 11 | 1 49 30 | 25°35'57 | 7♋51 | 7°20 | 20°31 | 23°57 | 6°49 | 26°19 | 8°36 | 29°57 | 7° 4 | 23°27 | 24°30 | 11°11 | 8°38 | F 11 |
| S 12 | 1 53 27 | 26°35'56 | 21°31 | 8°32 | 21°46 | 24°35 | 6°42 | 26°23 | 8°38 | 29°55 | 7° 3 | 23°R28 | 24°27 | 11°18 | 8°41 | S 12 |
| S 13 | 1 57 24 | 27°35'57 | 4♌48 | 9°48 | 23° 0 | 25°12 | 6°34 | 26°28 | 8°39 | 29°54 | 7° 2 | 23°28 | 24°24 | 11°24 | 8°44 | S 13 |
| M14 | 2 1 20 | 28°36'00 | 17°44 | 11° 8 | 24°14 | 25°50 | 6°28 | 26°33 | 8°40 | 29°53 | 7° 1 | 23°26 | 24°21 | 11°31 | 8°47 | M14 |
| T 15 | 2 5 17 | 29°36'05 | 0♍23 | 12°32 | 25°28 | 26°28 | 6°21 | 26°37 | 8°42 | 29°51 | 7° 0 | 23°24 | 24°18 | 11°38 | 8°49 | T 15 |
| W16 | 2 9 13 | 0♏36'13 | 12°48 | 13°58 | 26°42 | 27° 6 | 6°14 | 26°42 | 8°43 | 29°50 | 6°59 | 23°21 | 24°14 | 11°44 | 8°52 | W16 |
| T 17 | 2 13 10 | 1°36'22 | 25° 0 | 15°26 | 27°56 | 27°44 | 6° 7 | 26°47 | 8°44 | 29°48 | 6°58 | 23°17 | 24°11 | 11°51 | 8°55 | T 17 |
| F 18 | 2 17 6 | 2°36'33 | 7♎ 3 | 16°56 | 29°11 | 28°22 | 6° 1 | 26°52 | 8°45 | 29°47 | 6°56 | 23°13 | 24° 8 | 11°58 | 8°58 | F 18 |
| S 19 | 2 21 3 | 3°36'46 | 18°59 | 18°28 | 0♐25 | 29° 0 | 5°55 | 26°57 | 8°46 | 29°46 | 6°55 | 23°10 | 24° 5 | 12° 4 | 9° 2 | S 19 |
| S 20 | 2 24 59 | 4°37'02 | 0♏50 | 20° 1 | 1°39 | 29°38 | 5°48 | 27° 2 | 8°47 | 29°44 | 6°54 | 23° 8 | 24° 2 | 12°11 | 9° 5 | S 20 |
| M21 | 2 28 56 | 5°37'19 | 12°38 | 21°36 | 2°53 | 0♎16 | 5°42 | 27° 8 | 8°48 | 29°43 | 6°53 | 23° 6 | 23°59 | 12°18 | 9° 8 | M21 |
| T 22 | 2 32 52 | 6°37'37 | 24°25 | 23°10 | 4° 7 | 0°54 | 5°36 | 27°13 | 8°49 | 29°42 | 6°52 | 23°D 6 | 23°55 | 12°24 | 9°11 | T 22 |
| W23 | 2 36 49 | 7°37'58 | 6♐13 | 24°46 | 5°21 | 1°32 | 5°31 | 27°18 | 8°50 | 29°41 | 6°51 | 23° 7 | 23°52 | 12°31 | 9°15 | W23 |
| T 24 | 2 40 46 | 8°38'20 | 18° 5 | 26°22 | 6°35 | 2°10 | 5°25 | 27°24 | 8°50 | 29°39 | 6°50 | 23° 8 | 23°49 | 12°38 | 9°18 | T 24 |
| F 25 | 2 44 42 | 9°38'44 | 0♑ 5 | 27°58 | 7°50 | 2°48 | 5°20 | 27°29 | 8°51 | 29°38 | 6°49 | 23° 9 | 23°46 | 12°44 | 9°22 | F 25 |
| S 26 | 2 48 39 | 10°39'09 | 12°15 | 29°34 | 9° 4 | 3°26 | 5°15 | 27°35 | 8°52 | 29°37 | 6°47 | 23°10 | 23°43 | 12°51 | 9°25 | S 26 |
| S 27 | 2 52 35 | 11°39'36 | 24°39 | 1♏11 | 10°18 | 4° 4 | 5° 9 | 27°40 | 8°52 | 29°36 | 6°46 | 23°11 | 23°40 | 12°58 | 9°29 | S 27 |
| M28 | 2 56 32 | 12°40'04 | 7♒22 | 2°47 | 11°32 | 4°42 | 5° 5 | 27°46 | 8°53 | 29°35 | 6°45 | 23°R12 | 23°36 | 13° 4 | 9°32 | M28 |
| T 29 | 3 0 28 | 13°40'33 | 20°28 | 4°24 | 12°46 | 5°20 | 5° 0 | 27°51 | 8°53 | 29°34 | 6°44 | 23°12 | 23°33 | 13°11 | 9°36 | T 29 |
| W30 | 3 4 25 | 14°41'04 | 3♓59 | 6° 0 | 14° 0 | 5°58 | 4°55 | 27°57 | 8°54 | 29°33 | 6°43 | 23°11 | 23°30 | 13°17 | 9°40 | W30 |
| T 31 | 3 8 21 | 15♏41'35 | 17♓56 | 7♏36 | 15♐14 | 6♎36 | 4♈51 | 28♐ 3 | 8♌54 | 29♓32 | 6♉42 | 23♉10 | 23♉27 | 13♏24 | 9♑44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s11 | 22s12 | 5s 5 | 0s34 | 0n26 | 14s14 | 0n 2 | 6n 1 | 1n12 | 1n41 | 1s40 | 22s44 | 0n43 | 18n50 | 0n37 | 1s21 | 1s34 | 1s 7 | 15s57 | 18n48 | 19n 5 | 13s38 | 16s35 | 6n42 |
| W 2 | 6 34 | 17 58 | 5 11 | 0 12 | 0 43 | 14 41 | 0s 1 | 5 46 | 1 12 | 1 38 | 1 40 | 22 44 | 0 43 | 18 50 | 0 37 | 1 22 | 1 34 | 1 8 | 15 57 | 18 47 | 19 5 | 13 40 | 16 35 | 6 41 |
| T 3 | 6 56 | 12 37 | 5 0 | 0n 4 | 0 58 | 15 7 | 0 3 | 5 31 | 1 12 | 1 35 | 1 40 | 22 44 | 0 43 | 18 50 | 0 37 | 1 22 | 1 34 | 1 8 | 15 57 | 18 45 | 19 4 | 13 43 | 16 36 | 6 41 |
| F 4 | 7 19 | 6 25 | 4 29 | 0 13 | 1 12 | 15 32 | 0 6 | 5 16 | 1 12 | 1 32 | 1 40 | 22 45 | 0 43 | 18 49 | 0 37 | 1 23 | 1 34 | 1 9 | 15 57 | 18 44 | 19 3 | 13 46 | 16 36 | 6 40 |
| S 5 | 7 42 | 0n17 | 3 39 | 0 18 | 1 24 | 15 58 | 0 9 | 5 1 | 1 12 | 1 29 | 1 39 | 22 45 | 0 43 | 18 49 | 0 37 | 1 24 | 1 34 | 1 9 | 15 57 | 18 43 | 19 2 | 13 49 | 16 36 | 6 40 |
| S 6 | 8 5 | 7 5 | 2 33 | 0 16 | 1 35 | 16 23 | 0 11 | 4 46 | 1 11 | 1 26 | 1 39 | 22 45 | 0 42 | 18 48 | 0 37 | 1 24 | 1 34 | 1 9 | 15 57 | 18 42 | 19 2 | 13 52 | 16 37 | 6 39 |
| M 7 | 8 27 | 13 30 | 1 16 | 0 10 | 1 44 | 16 47 | 0 14 | 4 31 | 1 11 | 1 23 | 1 39 | 22 45 | 0 42 | 18 48 | 0 37 | 1 25 | 1 34 | 1 10 | 15 57 | 18 41 | 19 1 | 13 55 | 16 37 | 6 39 |
| T 8 | 8 49 | 19 4 | 0n 6 | 0s 2 | 1 51 | 17 11 | 0 17 | 4 16 | 1 11 | 1 21 | 1 39 | 22 46 | 0 42 | 18 48 | 0 37 | 1 25 | 1 34 | 1 10 | 15 57 | 18 41 | 19 0 | 13 58 | 16 37 | 6 38 |
| W 9 | 9 12 | 23 21 | 1 26 | 0 18 | 1 57 | 17 35 | 0 20 | 4 0 | 1 11 | 1 18 | 1 39 | 22 46 | 0 42 | 18 47 | 0 37 | 1 26 | 1 34 | 1 11 | 15 57 | 18 41 | 18 59 | 14 1 | 16 38 | 6 38 |
| T 10 | 9 34 | 26 2 | 2 39 | 0 37 | 2 2 | 17 58 | 0 22 | 3 45 | 1 11 | 1 15 | 1 39 | 22 46 | 0 42 | 18 47 | 0 37 | 1 27 | 1 34 | 1 11 | 15 57 | 18 42 | 18 59 | 14 4 | 16 38 | 6 37 |
| F 11 | 9 56 | 26 57 | 3 40 | 1 1 | 2 5 | 18 21 | 0 25 | 3 30 | 1 11 | 1 12 | 1 39 | 22 46 | 0 42 | 18 46 | 0 37 | 1 27 | 1 34 | 1 11 | 15 57 | 18 42 | 18 58 | 14 6 | 16 38 | 6 37 |
| S 12 | 10 18 | 26 11 | 4 27 | 1 27 | 2 7 | 18 43 | 0 28 | 3 15 | 1 11 | 1 10 | 1 38 | 22 47 | 0 42 | 18 46 | 0 37 | 1 28 | 1 34 | 1 12 | 15 57 | 18 42 | 18 57 | 14 9 | 16 39 | 6 36 |
| S 13 | 10 39 | 23 57 | 4 58 | 1 56 | 2 8 | 19 5 | 0 30 | 3 0 | 1 11 | 1 7 | 1 38 | 22 47 | 0 42 | 18 46 | 0 37 | 1 28 | 1 34 | 1 12 | 15 57 | 18 42 | 18 56 | 14 12 | 16 39 | 6 36 |
| M14 | 11 1 | 20 32 | 5 13 | 2 27 | 2 8 | 19 26 | 0 33 | 2 45 | 1 11 | 1 4 | 1 38 | 22 47 | 0 41 | 18 45 | 0 37 | 1 29 | 1 34 | 1 12 | 15 57 | 18 42 | 18 55 | 14 15 | 16 39 | 6 36 |
| T 15 | 11 22 | 16 14 | 5 12 | 3 1 | 2 7 | 19 47 | 0 36 | 2 30 | 1 11 | 1 2 | 1 38 | 22 47 | 0 41 | 18 45 | 0 37 | 1 29 | 1 34 | 1 13 | 15 58 | 18 41 | 18 55 | 14 18 | 16 39 | 6 35 |
| W16 | 11 43 | 11 21 | 4 57 | 3 36 | 2 6 | 20 7 | 0 39 | 2 14 | 1 11 | 0 59 | 1 38 | 22 48 | 0 41 | 18 45 | 0 38 | 1 30 | 1 34 | 1 13 | 15 58 | 18 40 | 18 54 | 14 21 | 16 40 | 6 35 |
| T 17 | 12 4 | 6 5 | 4 28 | 4 12 | 2 3 | 20 26 | 0 41 | 1 59 | 1 11 | 0 57 | 1 38 | 22 48 | 0 41 | 18 45 | 0 38 | 1 30 | 1 34 | 1 14 | 15 58 | 18 39 | 18 53 | 14 24 | 16 40 | 6 34 |
| F 18 | 12 25 | 0 40 | 3 48 | 4 49 | 2 0 | 20 45 | 0 44 | 1 44 | 1 11 | 0 54 | 1 37 | 22 48 | 0 41 | 18 44 | 0 38 | 1 31 | 1 34 | 1 14 | 15 58 | 18 39 | 18 52 | 14 27 | 16 40 | 6 34 |
| S 19 | 12 46 | 4s43 | 2 58 | 5 28 | 1 57 | 21 4 | 0 47 | 1 29 | 1 11 | 0 52 | 1 37 | 22 48 | 0 41 | 18 44 | 0 38 | 1 31 | 1 33 | 1 14 | 15 58 | 18 38 | 18 51 | 14 29 | 16 40 | 6 33 |
| S 20 | 13 6 | 9 56 | 2 0 | 6 7 | 1 53 | 21 22 | 0 49 | 1 13 | 1 11 | 0 50 | 1 37 | 22 49 | 0 41 | 18 44 | 0 38 | 1 32 | 1 33 | 1 15 | 15 58 | 18 37 | 18 51 | 14 32 | 16 41 | 6 33 |
| M21 | 13 26 | 14 46 | 0 58 | 6 46 | 1 49 | 21 39 | 0 52 | 0 58 | 1 11 | 0 48 | 1 37 | 22 49 | 0 41 | 18 44 | 0 38 | 1 32 | 1 33 | 1 15 | 15 58 | 18 37 | 18 50 | 14 35 | 16 41 | 6 33 |
| T 22 | 13 46 | 19 3 | 0s 7 | 7 26 | 1 44 | 21 56 | 0 54 | 0 43 | 1 10 | 0 45 | 1 37 | 22 49 | 0 40 | 18 44 | 0 38 | 1 33 | 1 33 | 1 15 | 15 58 | 18 37 | 18 49 | 14 38 | 16 41 | 6 32 |
| W23 | 14 6 | 22 36 | 1 12 | 8 6 | 1 39 | 22 12 | 0 57 | 0 28 | 1 10 | 0 43 | 1 36 | 22 49 | 0 40 | 18 43 | 0 38 | 1 33 | 1 33 | 1 16 | 15 57 | 18 37 | 18 48 | 14 41 | 16 41 | 6 32 |
| T 24 | 14 26 | 25 13 | 2 14 | 8 46 | 1 33 | 22 28 | 0 59 | 0 12 | 1 10 | 0 41 | 1 36 | 22 50 | 0 40 | 18 43 | 0 38 | 1 34 | 1 33 | 1 16 | 15 57 | 18 37 | 18 48 | 14 44 | 16 41 | 6 31 |
| F 25 | 14 45 | 26 42 | 3 11 | 9 26 | 1 27 | 22 43 | 1 2 | 0s 3 | 1 10 | 0 39 | 1 36 | 22 50 | 0 40 | 18 43 | 0 38 | 1 34 | 1 33 | 1 16 | 15 57 | 18 37 | 18 47 | 14 46 | 16 41 | 6 31 |
| S 26 | 15 4 | 26 57 | 4 0 | 10 5 | 1 21 | 22 57 | 1 4 | 0 18 | 1 10 | 0 38 | 1 36 | 22 50 | 0 40 | 18 43 | 0 38 | 1 35 | 1 33 | 1 16 | 15 57 | 18 38 | 18 46 | 14 49 | 16 42 | 6 31 |
| S 27 | 15 23 | 25 51 | 4 39 | 10 45 | 1 15 | 23 10 | 1 7 | 0 33 | 1 10 | 0 36 | 1 35 | 22 50 | 0 40 | 18 43 | 0 38 | 1 35 | 1 33 | 1 17 | 15 57 | 18 38 | 18 45 | 14 52 | 16 42 | 6 30 |
| M28 | 15 42 | 23 25 | 5 6 | 11 24 | 1 9 | 23 23 | 1 9 | 0 48 | 1 10 | 0 34 | 1 35 | 22 50 | 0 40 | 18 43 | 0 38 | 1 36 | 1 33 | 1 17 | 15 57 | 18 38 | 18 44 | 14 55 | 16 42 | 6 30 |
| T 29 | 16 0 | 19 43 | 5 17 | 12 3 | 1 3 | 23 36 | 1 12 | 1 4 | 1 10 | 0 32 | 1 35 | 22 51 | 0 40 | 18 43 | 0 38 | 1 36 | 1 33 | 1 17 | 15 57 | 18 38 | 18 44 | 14 58 | 16 42 | 6 29 |
| W30 | 16 18 | 14 55 | 5 12 | 12 41 | 0 56 | 23 47 | 1 14 | 1 19 | 1 10 | 0 31 | 1 35 | 22 51 | 0 40 | 18 43 | 0 38 | 1 36 | 1 33 | 1 18 | 15 57 | 18 38 | 18 43 | 15 1 | 16 42 | 6 29 |
| T 31 | 16s36 | 9s12 | 4s49 | 13s19 | 0n49 | 23s58 | 1s16 | 1s34 | 1n 9 | 0n29 | 1s34 | 22s51 | 0n39 | 18n42 | 0n38 | 1s37 | 1s33 | 1s18 | 15s57 | 18n38 | 18n42 | 15s 4 | 16s42 | 6n29 |

Julian Day Number = 2221723.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'47, Lahiri = 15°04'47 Julian Calendar 1 Oct. 1370 == Greg. Calendar 9 Oct. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## NOVEMBER 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 12 18 | 16♏42'09 | 2♈21 | 9♏12 | 16♐28 | 7♎14 | 4°R47 | 28♐ 9 | 8♑55 | 29°R31 | 6°R41 | 23°R10 | 23♉24 | 13♏31 | 9♉48 | F 1 |
| S 2 | 3 16 15 | 17°42'43 | 17° 8 | 10°48 | 17°42 | 7°52 | 4♈43 | 28°15 | 8°55 | 29♓30 | 6♉40 | 23♉ 9 | 23°20 | 13°37 | 9°51 | S 2 |
| S 3 | 3 20 11 | 18°43'19 | 2♉13 | 12°24 | 18°56 | 8°30 | 4°39 | 28°21 | 8°55 | 29°29 | 6°39 | 23° 8 | 23°17 | 13°44 | 9°55 | S 3 |
| M 4 | 3 24 8 | 19°43'56 | 17°26 | 14° 0 | 20°10 | 9° 8 | 4°35 | 28°27 | 8°55 | 29°28 | 6°37 | 23°D 8 | 23°14 | 13°51 | 9°59 | M 4 |
| T 5 | 3 28 4 | 20°44'35 | 2♊39 | 15°36 | 21°24 | 9°45 | 4°32 | 28°33 | 8°55 | 29°27 | 6°36 | 23° 8 | 23°11 | 13°57 | 10° 4 | T 5 |
| W 6 | 3 32 1 | 21°45'15 | 17°42 | 17°11 | 22°37 | 10°23 | 4°29 | 28°39 | 8°R55 | 29°26 | 6°35 | 23° 8 | 23° 8 | 14° 4 | 10° 8 | W 6 |
| T 7 | 3 35 57 | 22°45'57 | 2♋25 | 18°46 | 23°51 | 11° 1 | 4°26 | 28°45 | 8°55 | 29°25 | 6°34 | 23°R 8 | 23° 5 | 14°11 | 10°12 | T 7 |
| F 8 | 3 39 54 | 23°46'40 | 16°45 | 20°21 | 25° 5 | 11°39 | 4°23 | 28°51 | 8°55 | 29°24 | 6°33 | 23° 8 | 23° 1 | 14°17 | 10°16 | F 8 |
| S 9 | 3 43 51 | 24°47'25 | 0♌37 | 21°56 | 26°19 | 12°17 | 4°20 | 28°57 | 8°55 | 29°23 | 6°32 | 23° 8 | 22°58 | 14°24 | 10°20 | S 9 |
| S 10 | 3 47 47 | 25°48'12 | 14° 2 | 23°31 | 27°33 | 12°55 | 4°18 | 29° 3 | 8°55 | 29°23 | 6°31 | 23° 8 | 22°55 | 14°31 | 10°25 | S 10 |
| M11 | 3 51 44 | 26°49'00 | 27° 2 | 25° 5 | 28°47 | 13°33 | 4°16 | 29°10 | 8°55 | 29°22 | 6°30 | 23°D 8 | 22°52 | 14°37 | 10°29 | M11 |
| T 12 | 3 55 40 | 27°49'49 | 9♍39 | 26°40 | 0♎ 0 | 14°11 | 4°14 | 29°16 | 8°54 | 29°21 | 6°29 | 23° 8 | 22°49 | 14°44 | 10°34 | T 12 |
| W13 | 3 59 37 | 28°50'40 | 21°58 | 28°14 | 1°14 | 14°49 | 4°12 | 29°22 | 8°54 | 29°21 | 6°28 | 23° 9 | 22°46 | 14°51 | 10°38 | W13 |
| T 14 | 4 3 33 | 29°51'32 | 4♎ 4 | 29°49 | 2°28 | 15°27 | 4°10 | 29°29 | 8°54 | 29°20 | 6°27 | 23° 9 | 22°42 | 14°57 | 10°42 | T 14 |
| F 15 | 4 7 30 | 0♐52'26 | 15°59 | 1♐23 | 3°42 | 16° 5 | 4° 9 | 29°35 | 8°53 | 29°19 | 6°26 | 23°10 | 22°39 | 15° 4 | 10°47 | F 15 |
| S 16 | 4 11 26 | 1°53'21 | 27°49 | 2°57 | 4°55 | 16°43 | 4° 7 | 29°42 | 8°53 | 29°19 | 6°25 | 23°11 | 22°36 | 15°10 | 10°52 | S 16 |
| S 17 | 4 15 23 | 2°54'18 | 9♏36 | 4°32 | 6° 9 | 17°20 | 4° 6 | 29°48 | 8°52 | 29°18 | 6°24 | 23°12 | 22°33 | 15°17 | 10°56 | S 17 |
| M18 | 4 19 20 | 3°55'15 | 21°23 | 6° 6 | 7°23 | 17°58 | 4° 6 | 29°55 | 8°51 | 29°18 | 6°23 | 23°R12 | 22°30 | 15°24 | 11° 1 | M18 |
| T 19 | 4 23 16 | 4°56'14 | 3♐13 | 7°40 | 8°36 | 18°36 | 4° 5 | 0♎ 2 | 8°51 | 29°17 | 6°22 | 23°12 | 22°26 | 15°30 | 11° 6 | T 19 |
| W20 | 4 27 13 | 5°57'13 | 15° 8 | 9°14 | 9°50 | 19°14 | 4° 5 | 0° 8 | 8°50 | 29°17 | 6°21 | 23°11 | 22°23 | 15°37 | 11°10 | W20 |
| T 21 | 4 31 9 | 6°58'14 | 27° 9 | 10°48 | 11° 3 | 19°52 | 4°D 5 | 0°15 | 8°49 | 29°16 | 6°20 | 23° 9 | 22°20 | 15°44 | 11°15 | T 21 |
| F 22 | 4 35 6 | 7°59'16 | 9♎19 | 12°23 | 12°17 | 20°30 | 4° 5 | 0°22 | 8°48 | 29°16 | 6°19 | 23° 7 | 22°17 | 15°50 | 11°20 | F 22 |
| S 23 | 4 39 2 | 9° 0'18 | 21°40 | 13°57 | 13°31 | 21° 8 | 4° 5 | 0°28 | 8°48 | 29°16 | 6°18 | 23° 5 | 22°14 | 15°57 | 11°25 | S 23 |
| S 24 | 4 42 59 | 10° 1'21 | 4♒13 | 15°31 | 14°44 | 21°45 | 4° 5 | 0°35 | 8°47 | 29°15 | 6°17 | 23° 2 | 22°11 | 16° 4 | 11°30 | S 24 |
| M25 | 4 46 55 | 11° 2'24 | 17° 0 | 17° 6 | 15°57 | 22°23 | 4° 6 | 0°42 | 8°46 | 29°15 | 6°16 | 23° 0 | 22° 7 | 16°10 | 11°35 | M25 |
| T 26 | 4 50 52 | 12° 3'28 | 0♓ 5 | 18°40 | 17°11 | 23° 1 | 4° 7 | 0°49 | 8°45 | 29°15 | 6°15 | 22°59 | 22° 4 | 16°17 | 11°40 | T 26 |
| W27 | 4 54 49 | 13° 4'32 | 13°28 | 20°15 | 18°24 | 23°39 | 4° 8 | 0°56 | 8°43 | 29°15 | 6°14 | 22°D58 | 22° 1 | 16°24 | 11°45 | W27 |
| T 28 | 4 58 45 | 14° 5'37 | 27°13 | 21°49 | 19°38 | 24°17 | 4° 9 | 1° 2 | 8°42 | 29°15 | 6°14 | 22°59 | 21°58 | 16°30 | 11°50 | T 28 |
| F 29 | 5 2 42 | 15° 6'42 | 11♈20 | 23°24 | 20°51 | 24°55 | 4°11 | 1° 9 | 8°41 | 29°14 | 6°13 | 23° 0 | 21°55 | 16°37 | 11°55 | F 29 |
| S 30 | 5 6 38 | 16♐ 7'48 | 25♈47 | 24♐59 | 22♎ 4 | 25♎32 | 4♈13 | 1♎16 | 8♑40 | 29♓14 | 6♉12 | 23♉ 1 | 21♉52 | 16♏44 | 12♎ 0 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s53 | 2s50 | 4s 7 | 13s56 | 0n43 | 24s 8 | 1s19 | 1s49 | 1n 9 | 0n28 | 1s34 | 22s51 | 0n39 | 18n42 | 0n38 | 1s37 | 1s33 | 1s18 | 15s57 | 18n38 | 18n41 | 15s 6 | 16s42 | 6n28 |
| S 2 | 17 10 | 3n52 | 3 7 | 14 33 | 0 36 | 24 18 | 1 21 | 2 4 | 1 9 | 0 27 | 1 34 | 22 51 | 0 39 | 18 42 | 0 38 | 1 37 | 1 33 | 1 18 | 15 57 | 18 37 | 18 40 | 15 9 | 16 42 | 6 28 |
| S 3 | 17 27 | 10 30 | 1 54 | 15 9 | 0 29 | 24 26 | 1 23 | 2 19 | 1 9 | 0 25 | 1 34 | 22 52 | 0 39 | 18 42 | 0 38 | 1 38 | 1 33 | 1 19 | 15 57 | 18 37 | 18 40 | 15 12 | 16 42 | 6 28 |
| M 4 | 17 44 | 16 35 | 0 32 | 15 44 | 0 22 | 24 34 | 1 25 | 2 34 | 1 9 | 0 24 | 1 33 | 22 52 | 0 39 | 18 42 | 0 38 | 1 38 | 1 33 | 1 19 | 15 57 | 18 37 | 18 39 | 15 15 | 16 42 | 6 27 |
| T 5 | 18 0 | 21 37 | 0n53 | 16 19 | 0 15 | 24 42 | 1 27 | 2 49 | 1 9 | 0 23 | 1 33 | 22 52 | 0 39 | 18 42 | 0 38 | 1 38 | 1 33 | 1 19 | 15 57 | 18 37 | 18 38 | 15 18 | 16 43 | 6 27 |
| W 6 | 18 16 | 25 9 | 2 12 | 16 53 | 0 9 | 24 48 | 1 29 | 3 5 | 1 9 | 0 22 | 1 33 | 22 52 | 0 39 | 18 42 | 0 38 | 1 39 | 1 33 | 1 19 | 15 57 | 18 37 | 18 37 | 15 20 | 16 43 | 6 27 |
| T 7 | 18 32 | 26 52 | 3 22 | 17 26 | 0 2 | 24 54 | 1 31 | 3 20 | 1 9 | 0 21 | 1 33 | 22 52 | 0 39 | 18 42 | 0 38 | 1 39 | 1 33 | 1 20 | 15 56 | 18 37 | 18 36 | 15 23 | 16 43 | 6 26 |
| F 8 | 18 47 | 26 42 | 4 16 | 17 58 | 0s 5 | 24 59 | 1 33 | 3 35 | 1 8 | 0 20 | 1 32 | 22 52 | 0 39 | 18 43 | 0 38 | 1 39 | 1 33 | 1 20 | 15 56 | 18 37 | 18 36 | 15 26 | 16 43 | 6 26 |
| S 9 | 19 2 | 24 52 | 4 54 | 18 30 | 0 11 | 25 3 | 1 35 | 3 50 | 1 8 | 0 19 | 1 32 | 22 53 | 0 38 | 18 43 | 0 39 | 1 40 | 1 33 | 1 20 | 15 56 | 18 37 | 18 35 | 15 29 | 16 43 | 6 26 |
| S 10 | 19 17 | 21 41 | 5 14 | 19 0 | 0 18 | 25 7 | 1 37 | 4 4 | 1 8 | 0 19 | 1 32 | 22 53 | 0 38 | 18 43 | 0 39 | 1 40 | 1 33 | 1 20 | 15 56 | 18 37 | 18 34 | 15 32 | 16 43 | 6 25 |
| M11 | 19 31 | 17 30 | 5 17 | 19 30 | 0 25 | 25 10 | 1 39 | 4 19 | 1 8 | 0 18 | 1 31 | 22 53 | 0 38 | 18 43 | 0 39 | 1 40 | 1 33 | 1 20 | 15 56 | 18 37 | 18 33 | 15 34 | 16 43 | 6 25 |
| T 12 | 19 45 | 12 41 | 5 5 | 19 59 | 0 31 | 25 12 | 1 40 | 4 34 | 1 8 | 0 18 | 1 31 | 22 53 | 0 38 | 18 43 | 0 39 | 1 40 | 1 33 | 1 21 | 15 56 | 18 37 | 18 32 | 15 37 | 16 43 | 6 25 |
| W13 | 19 58 | 7 28 | 4 39 | 20 27 | 0 37 | 25 13 | 1 42 | 4 49 | 1 8 | 0 17 | 1 31 | 22 53 | 0 38 | 18 43 | 0 39 | 1 41 | 1 33 | 1 21 | 15 56 | 18 37 | 18 32 | 15 40 | 16 42 | 6 24 |
| T 14 | 20 11 | 2 3 | 4 1 | 20 54 | 0 44 | 25 14 | 1 44 | 5 4 | 1 7 | 0 17 | 1 31 | 22 53 | 0 38 | 18 43 | 0 39 | 1 41 | 1 33 | 1 21 | 15 55 | 18 38 | 18 31 | 15 43 | 16 42 | 6 24 |
| F 15 | 20 24 | 3s21 | 3 12 | 21 19 | 0 50 | 25 13 | 1 45 | 5 19 | 1 7 | 0 16 | 1 30 | 22 53 | 0 38 | 18 43 | 0 39 | 1 41 | 1 33 | 1 21 | 15 55 | 18 38 | 18 30 | 15 46 | 16 42 | 6 24 |
| S 16 | 20 37 | 8 37 | 2 16 | 21 44 | 0 56 | 25 12 | 1 47 | 5 33 | 1 7 | 0 16 | 1 30 | 22 54 | 0 38 | 18 44 | 0 39 | 1 41 | 1 33 | 1 21 | 15 55 | 18 38 | 18 29 | 15 48 | 16 42 | 6 24 |
| S 17 | 20 49 | 13 33 | 1 15 | 22 8 | 1 2 | 25 11 | 1 48 | 5 48 | 1 7 | 0 16 | 1 30 | 22 54 | 0 38 | 18 44 | 0 39 | 1 41 | 1 32 | 1 21 | 15 55 | 18 38 | 18 28 | 15 51 | 16 42 | 6 23 |
| M18 | 21 0 | 18 1 | 0 10 | 22 30 | 1 7 | 25 8 | 1 49 | 6 3 | 1 7 | 0 16 | 1 29 | 22 54 | 0 38 | 18 44 | 0 39 | 1 42 | 1 32 | 1 22 | 15 55 | 18 38 | 18 27 | 15 54 | 16 42 | 6 23 |
| T 19 | 21 12 | 21 47 | 0s55 | 22 52 | 1 13 | 25 5 | 1 51 | 6 17 | 1 6 | 0 16 | 1 29 | 22 54 | 0 37 | 18 44 | 0 39 | 1 42 | 1 32 | 1 22 | 15 55 | 18 38 | 18 27 | 15 57 | 16 42 | 6 23 |
| W20 | 21 23 | 24 39 | 1 59 | 23 12 | 1 18 | 25 1 | 1 52 | 6 32 | 1 6 | 0 16 | 1 29 | 22 54 | 0 37 | 18 44 | 0 39 | 1 42 | 1 32 | 1 22 | 15 54 | 18 38 | 18 26 | 15 59 | 16 42 | 6 23 |
| T 21 | 21 33 | 26 27 | 2 57 | 23 31 | 1 24 | 24 56 | 1 53 | 6 47 | 1 6 | 0 16 | 1 28 | 22 54 | 0 37 | 18 45 | 0 39 | 1 42 | 1 32 | 1 22 | 15 54 | 18 38 | 18 25 | 16 2 | 16 42 | 6 22 |
| F 22 | 21 43 | 27 0 | 3 49 | 23 49 | 1 29 | 24 51 | 1 54 | 7 1 | 1 6 | 0 17 | 1 28 | 22 54 | 0 37 | 18 45 | 0 39 | 1 42 | 1 32 | 1 22 | 15 54 | 18 37 | 18 24 | 16 5 | 16 41 | 6 22 |
| S 23 | 21 53 | 26 13 | 4 30 | 24 6 | 1 33 | 24 44 | 1 55 | 7 15 | 1 6 | 0 17 | 1 28 | 22 54 | 0 37 | 18 45 | 0 39 | 1 42 | 1 32 | 1 22 | 15 54 | 18 36 | 18 23 | 16 8 | 16 41 | 6 22 |
| S 24 | 22 2 | 24 7 | 4 59 | 24 21 | 1 38 | 24 37 | 1 56 | 7 30 | 1 5 | 0 18 | 1 27 | 22 54 | 0 37 | 18 45 | 0 39 | 1 42 | 1 32 | 1 22 | 15 54 | 18 36 | 18 23 | 16 11 | 16 41 | 6 22 |
| M25 | 22 11 | 20 47 | 5 14 | 24 36 | 1 43 | 24 30 | 1 56 | 7 44 | 1 5 | 0 18 | 1 27 | 22 54 | 0 37 | 18 46 | 0 39 | 1 42 | 1 32 | 1 22 | 15 53 | 18 35 | 18 22 | 16 13 | 16 41 | 6 21 |
| T 26 | 22 19 | 16 22 | 5 14 | 24 49 | 1 47 | 24 21 | 1 57 | 7 58 | 1 5 | 0 19 | 1 27 | 22 54 | 0 37 | 18 46 | 0 39 | 1 42 | 1 32 | 1 22 | 15 53 | 18 35 | 18 21 | 16 16 | 16 41 | 6 21 |
| W27 | 22 27 | 11 4 | 4 56 | 25 0 | 1 51 | 24 12 | 1 58 | 8 13 | 1 5 | 0 20 | 1 27 | 22 54 | 0 37 | 18 46 | 0 39 | 1 42 | 1 32 | 1 23 | 15 53 | 18 35 | 18 20 | 16 19 | 16 40 | 6 21 |
| T 28 | 22 34 | 5 6 | 4 21 | 25 10 | 1 54 | 24 2 | 1 58 | 8 27 | 1 5 | 0 20 | 1 26 | 22 54 | 0 37 | 18 47 | 0 39 | 1 43 | 1 32 | 1 23 | 15 53 | 18 35 | 18 19 | 16 22 | 16 40 | 6 21 |
| F 29 | 22 41 | 1n16 | 3 30 | 25 19 | 1 58 | 23 51 | 1 59 | 8 41 | 1 4 | 0 21 | 1 26 | 22 54 | 0 37 | 18 47 | 0 39 | 1 43 | 1 32 | 1 23 | 15 53 | 18 35 | 18 18 | 16 24 | 16 40 | 6 21 |
| S 30 | 22s48 | 7n45 | 2s25 | 25s26 | 2s 1 | 23s40 | 1s59 | 8s55 | 1n 4 | 0n22 | 1s26 | 22s54 | 0n36 | 18n47 | 0n39 | 1s43 | 1s32 | 1s23 | 15s52 | 18n36 | 18n18 | 16s27 | 16s40 | 6n20 |

Julian Day Number = 2221754.5, Delta T = 08m38s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'51, Lahiri = 15°04'51 Julian Calendar 1 Nov. 1370 == Greg. Calendar 9 Nov. 1370


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# ASTRODIENST EPHEMERIS for the year 1370
# geocentric

## DECEMBER 1370 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 10 35 | 17♐ 8'53 | 10♉32 | 26♐34 | 23♑17 | 26♎10 | 4♈15 | 1♑23 | 8°R39 | 29°R14 | 6°R11 | 23♉ 3 | 21♉48 | 16♏50 | 12♑ 5 | S 1 |
| M 2 | 5 14 31 | 18°10'00 | 25°29 | 28° 9 | 24°30 | 26°48 | 4°17 | 1°30 | 8♌37 | 29°D14 | 6♉10 | 23°R 3 | 21°45 | 16°57 | 12°10 | M 2 |
| T 3 | 5 18 28 | 19°11'06 | 10♊32 | 29°44 | 25°43 | 27°26 | 4°19 | 1°37 | 8°36 | 29♓14 | 6° 9 | 23° 2 | 21°42 | 17° 3 | 12°15 | T 3 |
| W 4 | 5 22 24 | 20°12'14 | 25°31 | 1♑18 | 26°56 | 28° 3 | 4°22 | 1°44 | 8°34 | 29°14 | 6° 9 | 23° 0 | 21°39 | 17°10 | 12°20 | W 4 |
| T 5 | 5 26 21 | 21°13'21 | 10♋19 | 2°53 | 28° 9 | 28°41 | 4°24 | 1°51 | 8°33 | 29°14 | 6° 8 | 22°56 | 21°36 | 17°17 | 12°25 | T 5 |
| F 6 | 5 30 18 | 22°14'29 | 24°46 | 4°28 | 29°22 | 29°19 | 4°27 | 1°58 | 8°31 | 29°14 | 6° 7 | 22°52 | 21°32 | 17°23 | 12°31 | F 6 |
| S 7 | 5 34 14 | 23°15'38 | 8♌48 | 6° 3 | 0♒35 | 29°57 | 4°30 | 2° 5 | 8°30 | 29°15 | 6° 7 | 22°47 | 21°29 | 17°30 | 12°36 | S 7 |
| S 8 | 5 38 11 | 24°16'47 | 22°23 | 7°37 | 1°48 | 0♏34 | 4°34 | 2°12 | 8°28 | 29°15 | 6° 6 | 22°43 | 21°26 | 17°37 | 12°41 | S 8 |
| M 9 | 5 42 7 | 25°17'57 | 5♍30 | 9°11 | 3° 1 | 1°12 | 4°37 | 2°19 | 8°27 | 29°15 | 6° 5 | 22°40 | 21°23 | 17°43 | 12°46 | M 9 |
| T 10 | 5 46 4 | 26°19'07 | 18°12 | 10°45 | 4°14 | 1°50 | 4°41 | 2°26 | 8°25 | 29°15 | 6° 4 | 22°38 | 21°20 | 17°50 | 12°52 | T 10 |
| W11 | 5 50 0 | 27°20'18 | 0♎34 | 12°18 | 5°26 | 2°27 | 4°45 | 2°33 | 8°23 | 29°15 | 6° 4 | 22°D38 | 21°17 | 17°57 | 12°57 | W11 |
| T 12 | 5 53 57 | 28°21'29 | 12°38 | 13°50 | 6°39 | 3° 5 | 4°49 | 2°40 | 8°21 | 29°16 | 6° 3 | 22°38 | 21°13 | 18° 3 | 13° 2 | T 12 |
| F 13 | 5 57 53 | 29°22'40 | 24°32 | 15°22 | 7°51 | 3°43 | 4°53 | 2°47 | 8°19 | 29°16 | 6° 3 | 22°40 | 21°10 | 18°10 | 13° 8 | F 13 |
| S 14 | 6 1 50 | 0♑23'52 | 6♏19 | 16°53 | 9° 4 | 4°20 | 4°58 | 2°54 | 8°18 | 29°16 | 6° 2 | 22°42 | 21° 7 | 18°17 | 13°13 | S 14 |
| S 15 | 6 5 47 | 1°25'04 | 18° 6 | 18°22 | 10°16 | 4°58 | 5° 2 | 3° 1 | 8°16 | 29°17 | 6° 1 | 22°R43 | 21° 4 | 18°23 | 13°18 | S 15 |
| M16 | 6 9 43 | 2°26'17 | 29°54 | 19°49 | 11°29 | 5°36 | 5° 7 | 3° 8 | 8°14 | 29°17 | 6° 1 | 22°43 | 21° 1 | 18°30 | 13°24 | M16 |
| T 17 | 6 13 40 | 3°27'30 | 11♐49 | 21°15 | 12°41 | 6°13 | 5°12 | 3°15 | 8°12 | 29°18 | 6° 0 | 22°41 | 20°58 | 18°37 | 13°29 | T 17 |
| W18 | 6 17 36 | 4°28'42 | 23°53 | 22°38 | 13°53 | 6°51 | 5°17 | 3°23 | 8°10 | 29°18 | 6° 0 | 22°37 | 20°54 | 18°43 | 13°34 | W18 |
| T 19 | 6 21 33 | 5°29'55 | 6♑ 7 | 23°59 | 15° 5 | 7°29 | 5°23 | 3°30 | 8° 8 | 29°19 | 5°59 | 22°31 | 20°51 | 18°50 | 13°40 | T 19 |
| F 20 | 6 25 29 | 6°31'08 | 18°33 | 25°16 | 16°17 | 8° 6 | 5°28 | 3°37 | 8° 6 | 29°20 | 5°59 | 22°23 | 20°48 | 18°56 | 13°45 | F 20 |
| S 21 | 6 29 26 | 7°32'20 | 1♒12 | 26°29 | 17°29 | 8°44 | 5°34 | 3°44 | 8° 4 | 29°20 | 5°58 | 22°14 | 20°45 | 19° 3 | 13°51 | S 21 |
| S 22 | 6 33 23 | 8°33'32 | 14° 2 | 27°38 | 18°41 | 9°21 | 5°40 | 3°51 | 8° 1 | 29°21 | 5°58 | 22° 5 | 20°42 | 19°10 | 13°56 | S 22 |
| M23 | 6 37 19 | 9°34'43 | 27° 5 | 28°41 | 19°53 | 9°59 | 5°46 | 3°58 | 7°59 | 29°21 | 5°57 | 21°58 | 20°38 | 19°16 | 14° 1 | M23 |
| T 24 | 6 41 16 | 10°35'54 | 10♓21 | 29°38 | 21° 5 | 10°36 | 5°52 | 4° 5 | 7°57 | 29°22 | 5°57 | 21°52 | 20°35 | 19°23 | 14° 7 | T 24 |
| W25 | 6 45 12 | 11°37'05 | 23°49 | 0♒29 | 22°16 | 11°14 | 5°59 | 4°12 | 7°55 | 29°23 | 5°57 | 21°48 | 20°32 | 19°30 | 14°12 | W25 |
| T 26 | 6 49 9 | 12°38'14 | 7♈30 | 1°11 | 23°28 | 11°51 | 6° 5 | 4°19 | 7°52 | 29°24 | 5°56 | 21°D46 | 20°29 | 19°36 | 14°18 | T 26 |
| F 27 | 6 53 5 | 13°39'23 | 21°25 | 1°45 | 24°39 | 12°29 | 6°12 | 4°26 | 7°50 | 29°25 | 5°56 | 21°46 | 20°26 | 19°43 | 14°23 | F 27 |
| S 28 | 6 57 2 | 14°40'32 | 5♉34 | 2° 9 | 25°51 | 13° 6 | 6°19 | 4°33 | 7°48 | 29°25 | 5°55 | 21°47 | 20°23 | 19°50 | 14°29 | S 28 |
| S 29 | 7 0 58 | 15°41'39 | 19°55 | 2°23 | 27° 2 | 13°44 | 6°26 | 4°40 | 7°45 | 29°26 | 5°55 | 21°R48 | 20°19 | 19°56 | 14°34 | S 29 |
| M30 | 7 4 55 | 16°42'46 | 4♊27 | 2°R26 | 28°13 | 14°21 | 6°34 | 4°47 | 7°43 | 29°27 | 5°55 | 21°47 | 20°16 | 20° 3 | 14°39 | M30 |
| T 31 | 7 8 52 | 17♑43'52 | 19♊ 6 | 2♒17 | 29♒24 | 14♏58 | 6♈41 | 4♑54 | 7♌41 | 29♓28 | 5♉55 | 21♉45 | 20♉13 | 20♏10 | 14♑45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s54 | 13n57 | 1s 9 | 25s32 | 2s 3 | 23s28 | 1s59 | 9s 9 | 1n 4 | 0n23 | 1s25 | 22s55 | 0n36 | 18n48 | 0n39 | 1s43 | 1s32 | 1s23 | 15s52 | 18n36 | 18n17 | 16s30 | 16s39 | 6n20 |
| M 2 | 23 0 | 19 25 | 0n13 | 25 36 | 2 6 | 23 15 | 2 0 | 9 23 | 1 4 | 0 24 | 1 25 | 22 55 | 0 36 | 18 48 | 0 39 | 1 42 | 1 32 | 1 23 | 15 52 | 18 36 | 18 16 | 16 33 | 16 39 | 6 20 |
| T 3 | 23 5 | 23 40 | 1 35 | 25 39 | 2 8 | 23 2 | 2 0 | 9 37 | 1 3 | 0 26 | 1 25 | 22 55 | 0 36 | 18 49 | 0 39 | 1 42 | 1 32 | 1 23 | 15 52 | 18 36 | 18 15 | 16 35 | 16 39 | 6 20 |
| W 4 | 23 10 | 26 16 | 2 49 | 25 40 | 2 9 | 22 48 | 2 0 | 9 50 | 1 3 | 0 27 | 1 24 | 22 54 | 0 36 | 18 49 | 0 39 | 1 42 | 1 32 | 1 23 | 15 51 | 18 35 | 18 14 | 16 38 | 16 39 | 6 20 |
| T 5 | 23 14 | 26 58 | 3 51 | 25 40 | 2 11 | 22 33 | 2 0 | 10 4 | 1 3 | 0 28 | 1 24 | 22 54 | 0 36 | 18 49 | 0 40 | 1 42 | 1 32 | 1 23 | 15 51 | 18 34 | 18 14 | 16 41 | 16 38 | 6 20 |
| F 6 | 23 18 | 25 47 | 4 37 | 25 38 | 2 12 | 22 18 | 2 0 | 10 18 | 1 2 | 0 30 | 1 24 | 22 54 | 0 36 | 18 50 | 0 40 | 1 42 | 1 32 | 1 23 | 15 51 | 18 33 | 18 13 | 16 43 | 16 38 | 6 20 |
| S 7 | 23 21 | 23 0 | 5 4 | 25 35 | 2 12 | 22 2 | 1 59 | 10 31 | 1 2 | 0 31 | 1 23 | 22 54 | 0 36 | 18 50 | 0 40 | 1 42 | 1 32 | 1 23 | 15 51 | 18 32 | 18 12 | 16 46 | 16 38 | 6 19 |
| S 8 | 23 24 | 19 2 | 5 13 | 25 30 | 2 12 | 21 46 | 1 59 | 10 45 | 1 2 | 0 33 | 1 23 | 22 54 | 0 36 | 18 51 | 0 40 | 1 42 | 1 32 | 1 23 | 15 50 | 18 31 | 18 11 | 16 49 | 16 37 | 6 19 |
| M 9 | 23 26 | 14 15 | 5 5 | 25 23 | 2 11 | 21 28 | 1 59 | 10 58 | 1 2 | 0 35 | 1 23 | 22 54 | 0 36 | 18 51 | 0 40 | 1 42 | 1 31 | 1 23 | 15 50 | 18 30 | 18 10 | 16 52 | 16 37 | 6 19 |
| T 10 | 23 28 | 9 1 | 4 43 | 25 15 | 2 10 | 21 11 | 1 58 | 11 12 | 1 1 | 0 36 | 1 23 | 22 54 | 0 36 | 18 52 | 0 40 | 1 42 | 1 31 | 1 23 | 15 50 | 18 30 | 18 9 | 16 54 | 16 37 | 6 19 |
| W11 | 23 30 | 3 33 | 4 7 | 25 5 | 2 9 | 20 52 | 1 57 | 11 25 | 1 1 | 0 38 | 1 22 | 22 54 | 0 36 | 18 52 | 0 40 | 1 42 | 1 31 | 1 22 | 15 49 | 18 29 | 18 9 | 16 57 | 16 36 | 6 19 |
| T 12 | 23 31 | 1s55 | 3 22 | 24 54 | 2 6 | 20 33 | 1 57 | 11 38 | 1 1 | 0 40 | 1 22 | 22 54 | 0 36 | 18 53 | 0 40 | 1 41 | 1 31 | 1 22 | 15 49 | 18 30 | 18 8 | 17 0 | 16 36 | 6 19 |
| F 13 | 23 31 | 7 15 | 2 28 | 24 41 | 2 3 | 20 14 | 1 56 | 11 51 | 1 0 | 0 42 | 1 22 | 22 54 | 0 35 | 18 53 | 0 40 | 1 41 | 1 31 | 1 22 | 15 49 | 18 30 | 18 7 | 17 2 | 16 35 | 6 19 |
| S 14 | 23 31 | 12 17 | 1 28 | 24 26 | 2 0 | 19 54 | 1 55 | 12 4 | 1 0 | 0 44 | 1 21 | 22 54 | 0 35 | 18 54 | 0 40 | 1 41 | 1 31 | 1 22 | 15 49 | 18 31 | 18 6 | 17 5 | 16 35 | 6 19 |
| S 15 | 23 31 | 16 53 | 0 25 | 24 10 | 1 55 | 19 33 | 1 54 | 12 17 | 1 0 | 0 46 | 1 21 | 22 54 | 0 35 | 18 54 | 0 40 | 1 41 | 1 31 | 1 22 | 15 48 | 18 31 | 18 5 | 17 8 | 16 34 | 6 19 |
| M16 | 23 30 | 20 50 | 0s39 | 23 52 | 1 50 | 19 12 | 1 53 | 12 30 | 0 59 | 0 48 | 1 21 | 22 54 | 0 35 | 18 55 | 0 40 | 1 41 | 1 31 | 1 22 | 15 48 | 18 31 | 18 4 | 17 10 | 16 34 | 6 19 |
| T 17 | 23 29 | 23 58 | 1 42 | 23 33 | 1 45 | 18 51 | 1 52 | 12 43 | 0 59 | 0 51 | 1 20 | 22 54 | 0 35 | 18 55 | 0 40 | 1 40 | 1 31 | 1 22 | 15 48 | 18 30 | 18 3 | 17 13 | 16 34 | 6 19 |
| W18 | 23 27 | 26 4 | 2 41 | 23 13 | 1 38 | 18 29 | 1 50 | 12 55 | 0 59 | 0 53 | 1 20 | 22 54 | 0 35 | 18 56 | 0 40 | 1 40 | 1 31 | 1 22 | 15 47 | 18 29 | 18 3 | 17 16 | 16 33 | 6 18 |
| T 19 | 23 24 | 26 56 | 3 33 | 22 52 | 1 30 | 18 6 | 1 49 | 13 8 | 0 58 | 0 55 | 1 20 | 22 54 | 0 35 | 18 56 | 0 40 | 1 40 | 1 31 | 1 22 | 15 47 | 18 28 | 18 2 | 17 19 | 16 33 | 6 18 |
| F 20 | 23 22 | 26 28 | 4 16 | 22 30 | 1 22 | 17 43 | 1 48 | 13 21 | 0 58 | 0 58 | 1 20 | 22 53 | 0 35 | 18 57 | 0 40 | 1 40 | 1 31 | 1 22 | 15 47 | 18 26 | 18 1 | 17 21 | 16 32 | 6 18 |
| S 21 | 23 18 | 24 38 | 4 48 | 22 6 | 1 12 | 17 20 | 1 46 | 13 33 | 0 58 | 1 0 | 1 19 | 22 53 | 0 35 | 18 58 | 0 40 | 1 39 | 1 31 | 1 21 | 15 47 | 18 23 | 18 0 | 17 24 | 16 32 | 6 18 |
| S 22 | 23 15 | 21 32 | 5 5 | 21 43 | 1 1 | 16 56 | 1 44 | 13 45 | 0 57 | 1 3 | 1 19 | 22 53 | 0 35 | 18 58 | 0 40 | 1 39 | 1 31 | 1 21 | 15 46 | 18 21 | 17 59 | 17 27 | 16 31 | 6 18 |
| M23 | 23 11 | 17 19 | 5 7 | 21 18 | 0 50 | 16 31 | 1 42 | 13 58 | 0 57 | 1 6 | 1 19 | 22 53 | 0 35 | 18 59 | 0 40 | 1 39 | 1 31 | 1 21 | 15 46 | 18 19 | 17 58 | 17 29 | 16 31 | 6 18 |
| T 24 | 23 6 | 12 13 | 4 52 | 20 54 | 0 37 | 16 6 | 1 41 | 14 10 | 0 56 | 1 8 | 1 18 | 22 53 | 0 35 | 18 59 | 0 40 | 1 38 | 1 31 | 1 21 | 15 46 | 18 18 | 17 58 | 17 32 | 16 30 | 6 18 |
| W25 | 23 1 | 6 28 | 4 21 | 20 30 | 0 23 | 15 41 | 1 39 | 14 22 | 0 56 | 1 11 | 1 18 | 22 53 | 0 35 | 19 0 | 0 40 | 1 38 | 1 31 | 1 21 | 15 45 | 18 17 | 17 57 | 17 35 | 16 29 | 6 18 |
| T 26 | 22 55 | 0 18 | 3 35 | 20 6 | 0 8 | 15 16 | 1 36 | 14 34 | 0 56 | 1 14 | 1 18 | 22 53 | 0 35 | 19 1 | 0 40 | 1 38 | 1 31 | 1 21 | 15 45 | 18 16 | 17 56 | 17 37 | 16 29 | 6 18 |
| F 27 | 22 49 | 5n58 | 2 36 | 19 43 | 0n 7 | 14 50 | 1 34 | 14 46 | 0 55 | 1 17 | 1 18 | 22 52 | 0 35 | 19 1 | 0 40 | 1 37 | 1 31 | 1 20 | 15 45 | 18 16 | 17 55 | 17 40 | 16 28 | 6 18 |
| S 28 | 22 43 | 12 4 | 1 26 | 19 21 | 0 24 | 14 23 | 1 32 | 14 57 | 0 55 | 1 20 | 1 17 | 22 52 | 0 34 | 19 2 | 0 40 | 1 37 | 1 31 | 1 20 | 15 44 | 18 17 | 17 54 | 17 42 | 16 28 | 6 18 |
| S 29 | 22 36 | 17 37 | 0 10 | 19 1 | 0 42 | 13 57 | 1 30 | 15 9 | 0 54 | 1 23 | 1 17 | 22 52 | 0 34 | 19 2 | 0 40 | 1 36 | 1 31 | 1 20 | 15 44 | 18 17 | 17 53 | 17 45 | 16 27 | 6 18 |
| M30 | 22 28 | 22 13 | 1n 7 | 18 43 | 1 0 | 13 30 | 1 27 | 15 20 | 0 54 | 1 26 | 1 17 | 22 52 | 0 34 | 19 3 | 0 40 | 1 36 | 1 31 | 1 20 | 15 44 | 18 17 | 17 53 | 17 48 | 16 27 | 6 18 |
| T 31 | 22s21 | 25n25 | 2n21 | 18s27 | 1n18 | 13s 2 | 1s25 | 15s32 | 0n54 | 1n29 | 1s17 | 22s52 | 0n34 | 19n 4 | 0n40 | 1s36 | 1s30 | 1s19 | 15s43 | 18n16 | 17n52 | 17s50 | 16s26 | 6n19 |

Julian Day Number = 2221784.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'55, Lahiri = 15°04'56 Julian Calendar 1 Dec. 1370 == Greg. Calendar 9 Dec. 1370


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## JANUARY 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 12 48 | 18♉44'57 | 3♋44 | 1°R57 | 0♓35 | 15♏36 | 6♈49 | 5♉ 1 | 7°R38 | 29♓29 | 5°R54 | 21°R39 | 20♌10 | 20♏16 | 14♉50 | W 1 |
| T 2 | 7 16 45 | 19°46'02 | 18°17 | 1♒25 | 1°46 | 16°13 | 6°56 | 5° 8 | 7♎36 | 29°30 | 5♌54 | 21♌31 | 20° 7 | 20°23 | 14°56 | T 2 |
| F 3 | 7 20 41 | 20°47'06 | 2♎36 | 0°42 | 2°56 | 16°50 | 7° 4 | 5°15 | 7°33 | 29°31 | 5°54 | 21°21 | 20° 4 | 20°30 | 15° 1 | F 3 |
| S 4 | 7 24 38 | 21°48'09 | 16°35 | 29♉48 | 4° 7 | 17°28 | 7°12 | 5°22 | 7°31 | 29°32 | 5°54 | 21°11 | 20° 0 | 20°36 | 15° 6 | S 4 |
| S 5 | 7 28 34 | 22°49'12 | 0♍11 | 28°47 | 5°17 | 18° 5 | 7°20 | 5°29 | 7°28 | 29°34 | 5°54 | 21° 1 | 19°57 | 20°43 | 15°12 | S 5 |
| M 6 | 7 32 31 | 23°50'14 | 13°22 | 27°38 | 6°28 | 18°42 | 7°29 | 5°35 | 7°26 | 29°35 | 5°54 | 20°52 | 19°54 | 20°49 | 15°17 | M 6 |
| T 7 | 7 36 27 | 24°51'15 | 26° 8 | 26°25 | 7°38 | 19°20 | 7°37 | 5°42 | 7°23 | 29°36 | 5°53 | 20°46 | 19°51 | 20°56 | 15°23 | T 7 |
| W 8 | 7 40 24 | 25°52'16 | 8♎33 | 25° 9 | 8°48 | 19°57 | 7°46 | 5°49 | 7°21 | 29°37 | 5°53 | 20°42 | 19°48 | 21° 3 | 15°28 | W 8 |
| T 9 | 7 44 21 | 26°53'16 | 20°41 | 23°53 | 9°58 | 20°34 | 7°54 | 5°56 | 7°18 | 29°38 | 5°53 | 20°40 | 19°44 | 21° 9 | 15°33 | T 9 |
| F 10 | 7 48 17 | 27°54'16 | 2♏36 | 22°38 | 11° 7 | 21°11 | 8° 3 | 6° 3 | 7°16 | 29°40 | 5°53 | 20°D40 | 19°41 | 21°16 | 15°39 | F 10 |
| S 11 | 7 52 14 | 28°55'15 | 14°24 | 21°28 | 12°17 | 21°48 | 8°12 | 6° 9 | 7°13 | 29°41 | 5°53 | 20°R41 | 19°38 | 21°23 | 15°44 | S 11 |
| S 12 | 7 56 10 | 29°56'13 | 26°11 | 20°24 | 13°26 | 22°26 | 8°22 | 6°16 | 7°10 | 29°42 | 5°D53 | 20°41 | 19°35 | 21°29 | 15°49 | S 12 |
| M13 | 8 0 7 | 0♒57'11 | 8♐ 1 | 19°26 | 14°36 | 23° 3 | 8°31 | 6°23 | 7° 8 | 29°44 | 5°53 | 20°39 | 19°32 | 21°36 | 15°55 | M13 |
| T 14 | 8 4 3 | 1°58'07 | 20° 1 | 18°36 | 15°45 | 23°40 | 8°40 | 6°29 | 7° 5 | 29°45 | 5°53 | 20°35 | 19°29 | 21°43 | 16° 0 | T 14 |
| W15 | 8 8 0 | 2°59'03 | 2♑13 | 17°54 | 16°54 | 24°17 | 8°50 | 6°36 | 7° 3 | 29°46 | 5°53 | 20°29 | 19°25 | 21°49 | 16° 5 | W15 |
| T 16 | 8 11 56 | 3°59'58 | 14°39 | 17°21 | 18° 2 | 24°54 | 8°59 | 6°42 | 7° 0 | 29°48 | 5°53 | 20°19 | 19°22 | 21°56 | 16°10 | T 16 |
| F 17 | 8 15 53 | 5° 0'52 | 27°22 | 16°57 | 19°11 | 25°31 | 9° 9 | 6°49 | 6°57 | 29°49 | 5°54 | 20° 7 | 19°19 | 22° 3 | 16°16 | F 17 |
| S 18 | 8 19 50 | 6° 1'45 | 10♒21 | 16°41 | 20°19 | 26° 8 | 9°19 | 6°55 | 6°55 | 29°51 | 5°54 | 19°54 | 19°16 | 22° 9 | 16°21 | S 18 |
| S 19 | 8 23 46 | 7° 2'36 | 23°35 | 16°33 | 21°28 | 26°45 | 9°29 | 7° 2 | 6°52 | 29°52 | 5°54 | 19°41 | 19°13 | 22°16 | 16°26 | S 19 |
| M20 | 8 27 43 | 8° 3'26 | 7♓ 2 | 16°D33 | 22°36 | 27°22 | 9°39 | 7° 8 | 6°49 | 29°54 | 5°54 | 19°29 | 19°10 | 22°22 | 16°31 | M20 |
| T 21 | 8 31 39 | 9° 4'15 | 20°40 | 16°40 | 23°44 | 27°58 | 9°50 | 7°15 | 6°47 | 29°55 | 5°54 | 19°19 | 19° 6 | 22°29 | 16°36 | T 21 |
| W22 | 8 35 36 | 10° 5'02 | 4♈25 | 16°54 | 24°51 | 28°35 | 10° 0 | 7°21 | 6°44 | 29°57 | 5°54 | 19°12 | 19° 3 | 22°36 | 16°41 | W22 |
| T 23 | 8 39 32 | 11° 5'47 | 18°18 | 17°14 | 25°59 | 29°12 | 10°11 | 7°27 | 6°42 | 29°59 | 5°55 | 19° 9 | 19° 0 | 22°42 | 16°46 | T 23 |
| F 24 | 8 43 29 | 12° 6'31 | 2♉16 | 17°40 | 27° 6 | 29°49 | 10°21 | 7°34 | 6°39 | 0♈ 0 | 5°55 | 19° 7 | 18°57 | 22°49 | 16°51 | F 24 |
| S 25 | 8 47 25 | 13° 7'13 | 16°18 | 18°11 | 28°13 | 0♐26 | 10°32 | 7°40 | 6°36 | 0° 2 | 5°55 | 19° 7 | 18°54 | 22°56 | 16°56 | S 25 |
| S 26 | 8 51 22 | 14° 7'54 | 0♊25 | 18°47 | 29°20 | 1° 2 | 10°43 | 7°46 | 6°34 | 0° 4 | 5°55 | 19° 7 | 18°50 | 23° 2 | 17° 1 | S 26 |
| M27 | 8 55 19 | 15° 8'33 | 14°35 | 19°28 | 0♈26 | 1°39 | 10°54 | 7°52 | 6°31 | 0° 5 | 5°56 | 19° 5 | 18°47 | 23° 9 | 17° 6 | M27 |
| T 28 | 8 59 15 | 16° 9'10 | 28°47 | 20°12 | 1°33 | 2°16 | 11° 5 | 7°58 | 6°29 | 0° 7 | 5°56 | 19° 1 | 18°44 | 23°16 | 17°11 | T 28 |
| W29 | 9 3 12 | 17° 9'45 | 12♋58 | 21° 1 | 2°39 | 2°52 | 11°16 | 8° 4 | 6°26 | 0° 9 | 5°57 | 18°54 | 18°41 | 23°22 | 17°16 | W29 |
| T 30 | 9 7 8 | 18°10'19 | 27° 4 | 21°53 | 3°45 | 3°29 | 11°27 | 8°10 | 6°23 | 0°11 | 5°57 | 18°44 | 18°38 | 23°29 | 17°21 | T 30 |
| F 31 | 9 11 5 | 19♒10'51 | 11♎ 0 | 22♉48 | 4♈50 | 4♐ 5 | 11♈38 | 8♉16 | 6♎21 | 0♈12 | 5♌57 | 18♌32 | 18♌35 | 23♏36 | 17♉26 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s12 | 26n53 | 3n25 | 18s13 | 1n37 | 12s35 | 1s22 | 15s43 | 0n53 | 1n33 | 1s16 | 22s51 | 0n34 | 19n 4 | 0n40 | 1s35 | 1s30 | 1s19 | 15s43 | 18n14 | 17n51 | 17s53 | 16s25 | 6n19 |
| T 2 | 22 4 | 26 29 | 4 15 | 18 2 | 1 56 | 12 7 | 1 19 | 15 54 | 0 53 | 1 36 | 1 16 | 22 51 | 0 34 | 19 5 | 0 40 | 1 35 | 1 30 | 1 19 | 15 43 | 18 12 | 17 50 | 17 56 | 16 25 | 6 19 |
| F 3 | 21 55 | 24 19 | 4 48 | 17 54 | 2 14 | 11 39 | 1 16 | 16 6 | 0 52 | 1 39 | 1 16 | 22 51 | 0 34 | 19 6 | 0 40 | 1 34 | 1 30 | 1 19 | 15 42 | 18 10 | 17 49 | 17 58 | 16 24 | 6 19 |
| S 4 | 21 45 | 20 44 | 5 3 | 17 48 | 2 31 | 11 10 | 1 13 | 16 17 | 0 52 | 1 43 | 1 15 | 22 51 | 0 34 | 19 6 | 0 40 | 1 34 | 1 30 | 1 18 | 15 42 | 18 7 | 17 48 | 18 1 | 16 23 | 6 19 |
| S 5 | 21 35 | 16 7 | 5 0 | 17 46 | 2 46 | 10 42 | 1 10 | 16 27 | 0 51 | 1 46 | 1 15 | 22 51 | 0 34 | 19 7 | 0 40 | 1 33 | 1 30 | 1 18 | 15 42 | 18 4 | 17 47 | 18 4 | 16 23 | 6 19 |
| M 6 | 21 25 | 10 53 | 4 41 | 17 46 | 3 0 | 10 13 | 1 7 | 16 38 | 0 51 | 1 50 | 1 15 | 22 50 | 0 34 | 19 8 | 0 40 | 1 33 | 1 30 | 1 18 | 15 41 | 18 2 | 17 47 | 18 6 | 16 22 | 6 19 |
| T 7 | 21 14 | 5 20 | 4 9 | 17 48 | 3 12 | 9 43 | 1 4 | 16 49 | 0 50 | 1 53 | 1 15 | 22 50 | 0 34 | 19 8 | 0 40 | 1 32 | 1 30 | 1 18 | 15 41 | 18 0 | 17 46 | 18 9 | 16 21 | 6 19 |
| W 8 | 21 3 | 0s16 | 3 25 | 17 52 | 3 22 | 9 14 | 1 0 | 16 59 | 0 50 | 1 57 | 1 14 | 22 50 | 0 34 | 19 9 | 0 40 | 1 32 | 1 30 | 1 17 | 15 41 | 17 59 | 17 45 | 18 11 | 16 21 | 6 19 |
| T 9 | 20 51 | 5 44 | 2 33 | 17 58 | 3 29 | 8 44 | 0 57 | 17 10 | 0 49 | 2 1 | 1 14 | 22 50 | 0 34 | 19 10 | 0 40 | 1 31 | 1 30 | 1 17 | 15 40 | 17 59 | 17 44 | 18 14 | 16 20 | 6 19 |
| F 10 | 20 39 | 10 56 | 1 35 | 18 6 | 3 34 | 8 15 | 0 53 | 17 20 | 0 49 | 2 4 | 1 14 | 22 49 | 0 34 | 19 10 | 0 40 | 1 31 | 1 30 | 1 17 | 15 40 | 17 59 | 17 43 | 18 17 | 16 19 | 6 19 |
| S 11 | 20 27 | 15 41 | 0 33 | 18 15 | 3 36 | 7 45 | 0 50 | 17 30 | 0 48 | 2 8 | 1 14 | 22 49 | 0 34 | 19 11 | 0 40 | 1 30 | 1 30 | 1 16 | 15 40 | 17 59 | 17 42 | 18 19 | 16 19 | 6 19 |
| S 12 | 20 14 | 19 50 | 0s29 | 18 25 | 3 36 | 7 14 | 0 46 | 17 40 | 0 48 | 2 12 | 1 13 | 22 49 | 0 34 | 19 12 | 0 40 | 1 30 | 1 30 | 1 16 | 15 39 | 17 59 | 17 41 | 18 22 | 16 18 | 6 20 |
| M13 | 20 1 | 23 13 | 1 31 | 18 35 | 3 33 | 6 44 | 0 42 | 17 50 | 0 47 | 2 16 | 1 13 | 22 49 | 0 34 | 19 12 | 0 40 | 1 29 | 1 30 | 1 16 | 15 39 | 17 59 | 17 41 | 18 24 | 16 17 | 6 20 |
| T 14 | 19 47 | 25 38 | 2 29 | 18 47 | 3 29 | 6 14 | 0 38 | 18 0 | 0 47 | 2 20 | 1 13 | 22 48 | 0 34 | 19 13 | 0 40 | 1 28 | 1 30 | 1 15 | 15 38 | 17 58 | 17 40 | 18 27 | 16 16 | 6 20 |
| W15 | 19 34 | 26 52 | 3 22 | 18 58 | 3 23 | 5 43 | 0 34 | 18 10 | 0 46 | 2 24 | 1 13 | 22 48 | 0 34 | 19 14 | 0 40 | 1 28 | 1 30 | 1 15 | 15 38 | 17 56 | 17 39 | 18 30 | 16 16 | 6 20 |
| T 16 | 19 19 | 26 47 | 4 5 | 19 9 | 3 16 | 5 13 | 0 30 | 18 19 | 0 45 | 2 28 | 1 13 | 22 48 | 0 33 | 19 14 | 0 40 | 1 27 | 1 30 | 1 15 | 15 38 | 17 53 | 17 38 | 18 32 | 16 15 | 6 20 |
| F 17 | 19 5 | 25 18 | 4 38 | 19 21 | 3 7 | 4 42 | 0 26 | 18 29 | 0 45 | 2 32 | 1 12 | 22 47 | 0 33 | 19 15 | 0 40 | 1 27 | 1 30 | 1 14 | 15 37 | 17 50 | 17 37 | 18 35 | 16 14 | 6 20 |
| S 18 | 18 50 | 22 28 | 4 57 | 19 32 | 2 58 | 4 11 | 0 22 | 18 38 | 0 44 | 2 36 | 1 12 | 22 47 | 0 33 | 19 16 | 0 40 | 1 26 | 1 30 | 1 14 | 15 37 | 17 47 | 17 36 | 18 37 | 16 13 | 6 21 |
| S 19 | 18 35 | 18 25 | 5 0 | 19 43 | 2 48 | 3 40 | 0 18 | 18 47 | 0 44 | 2 40 | 1 12 | 22 47 | 0 33 | 19 16 | 0 40 | 1 25 | 1 30 | 1 14 | 15 37 | 17 43 | 17 35 | 18 40 | 16 12 | 6 21 |
| M20 | 18 19 | 13 24 | 4 47 | 19 54 | 2 37 | 3 9 | 0 13 | 18 56 | 0 43 | 2 44 | 1 12 | 22 47 | 0 33 | 19 17 | 0 40 | 1 25 | 1 30 | 1 13 | 15 36 | 17 40 | 17 34 | 18 42 | 16 12 | 6 21 |
| T 21 | 18 3 | 7 39 | 4 18 | 20 4 | 2 26 | 2 38 | 0 9 | 19 5 | 0 42 | 2 49 | 1 11 | 22 46 | 0 33 | 19 18 | 0 40 | 1 24 | 1 30 | 1 13 | 15 36 | 17 37 | 17 34 | 18 45 | 16 11 | 6 21 |
| W22 | 17 47 | 1 29 | 3 33 | 20 14 | 2 15 | 2 7 | 0 4 | 19 14 | 0 42 | 2 53 | 1 11 | 22 46 | 0 33 | 19 18 | 0 41 | 1 23 | 1 30 | 1 12 | 15 36 | 17 35 | 17 33 | 18 48 | 16 10 | 6 21 |
| T 23 | 17 30 | 4n48 | 2 35 | 20 22 | 2 3 | 1 36 | 0n 0 | 19 23 | 0 41 | 2 57 | 1 11 | 22 46 | 0 33 | 19 19 | 0 41 | 1 23 | 1 30 | 1 12 | 15 35 | 17 34 | 17 32 | 18 50 | 16 9 | 6 22 |
| F 24 | 17 13 | 10 55 | 1 28 | 20 31 | 1 51 | 1 5 | 0 5 | 19 31 | 0 41 | 3 2 | 1 11 | 22 45 | 0 33 | 19 20 | 0 41 | 1 22 | 1 30 | 1 12 | 15 35 | 17 34 | 17 31 | 18 53 | 16 8 | 6 22 |
| S 25 | 16 56 | 16 32 | 0 15 | 20 38 | 1 40 | 0 34 | 0 10 | 19 40 | 0 40 | 3 6 | 1 11 | 22 45 | 0 33 | 19 20 | 0 41 | 1 21 | 1 30 | 1 11 | 15 35 | 17 34 | 17 30 | 18 55 | 16 8 | 6 22 |
| S 26 | 16 39 | 21 17 | 0n59 | 20 45 | 1 28 | 0 2 | 0 15 | 19 48 | 0 39 | 3 11 | 1 10 | 22 45 | 0 33 | 19 21 | 0 41 | 1 21 | 1 29 | 1 11 | 15 34 | 17 34 | 17 29 | 18 58 | 16 7 | 6 22 |
| M27 | 16 21 | 24 47 | 2 10 | 20 50 | 1 17 | 0n29 | 0 20 | 19 56 | 0 38 | 3 15 | 1 10 | 22 44 | 0 33 | 19 22 | 0 41 | 1 20 | 1 29 | 1 10 | 15 34 | 17 33 | 17 28 | 19 0 | 16 6 | 6 22 |
| T 28 | 16 3 | 26 44 | 3 13 | 20 55 | 1 5 | 1 0 | 0 25 | 20 4 | 0 38 | 3 20 | 1 10 | 22 44 | 0 33 | 19 22 | 0 41 | 1 19 | 1 29 | 1 10 | 15 34 | 17 32 | 17 27 | 19 3 | 16 5 | 6 23 |
| W29 | 15 45 | 26 56 | 4 4 | 20 59 | 0 54 | 1 31 | 0 30 | 20 12 | 0 37 | 3 24 | 1 10 | 22 44 | 0 33 | 19 23 | 0 41 | 1 18 | 1 29 | 1 9 | 15 33 | 17 30 | 17 27 | 19 5 | 16 4 | 6 23 |
| T 30 | 15 26 | 25 23 | 4 39 | 21 1 | 0 43 | 2 2 | 0 35 | 20 20 | 0 36 | 3 29 | 1 10 | 22 43 | 0 33 | 19 24 | 0 41 | 1 18 | 1 29 | 1 9 | 15 33 | 17 27 | 17 26 | 19 8 | 16 3 | 6 23 |
| F 31 | 15s 7 | 22n17 | 4n57 | 21s 3 | 0n33 | 2n33 | 0n40 | 20s27 | 0n36 | 3n33 | 1s 9 | 22s43 | 0n33 | 19n24 | 0n41 | 1s17 | 1s29 | 1s 9 | 15s33 | 17n24 | 17n25 | 19s10 | 16s 3 | 6n23 |

Julian Day Number = 2221815.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°57'59, Lahiri = 15°05'00 Julian Calendar 1 Jan. 1371 == Greg. Calendar 9 Jan. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## FEBRUARY 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 15 1 | 20♒11'21 | 24♌42 | 23♉46 | 5♈55 | 4♐42 | 11♈50 | 8♉22 | 6°R18 | 0♈14 | 5♉58 | 18°R19 | 18♉31 | 23♏42 | 17♉31 | S 1 |
| S 2 | 9 18 58 | 21°11'50 | 8♍ 6 | 24°47 | 7° 0 | 5°18 | 12° 1 | 8°28 | 6♌16 | 0°16 | 5°58 | 18♉ 6 | 18°28 | 23°49 | 17°35 | S 2 |
| M 3 | 9 22 55 | 22°12'17 | 21°10 | 25°50 | 8° 5 | 5°54 | 12°13 | 8°34 | 6°13 | 0°18 | 5°59 | 17°55 | 18°25 | 23°56 | 17°40 | M 3 |
| T 4 | 9 26 51 | 23°12'43 | 3♎54 | 26°56 | 9° 9 | 6°31 | 12°25 | 8°39 | 6°11 | 0°20 | 5°59 | 17°46 | 18°22 | 24° 2 | 17°45 | T 4 |
| W 5 | 9 30 48 | 24°13'07 | 16°18 | 28° 3 | 10°13 | 7° 7 | 12°36 | 8°45 | 6° 8 | 0°22 | 6° 0 | 17°40 | 18°19 | 24° 9 | 17°49 | W 5 |
| T 6 | 9 34 44 | 25°13'29 | 28°26 | 29°13 | 11°17 | 7°43 | 12°48 | 8°51 | 6° 6 | 0°24 | 6° 0 | 17°36 | 18°16 | 24°15 | 17°54 | T 6 |
| F 7 | 9 38 41 | 26°13'51 | 10♏22 | 0♒25 | 12°21 | 8°20 | 13° 0 | 8°56 | 6° 4 | 0°26 | 6° 1 | 17°35 | 18°12 | 24°22 | 17°58 | F 7 |
| S 8 | 9 42 37 | 27°14'10 | 22°11 | 1°39 | 13°24 | 8°56 | 13°12 | 9° 2 | 6° 1 | 0°27 | 6° 1 | 17°35 | 18° 9 | 24°29 | 18° 3 | S 8 |
| S 9 | 9 46 34 | 28°14'29 | 3♑59 | 2°55 | 14°27 | 9°32 | 13°24 | 9° 7 | 5°59 | 0°29 | 6° 2 | 17°35 | 18° 6 | 24°35 | 18° 7 | S 9 |
| M10 | 9 50 30 | 29°14'46 | 15°51 | 4°12 | 15°29 | 10° 8 | 13°37 | 9°13 | 5°56 | 0°31 | 6° 3 | 17°34 | 18° 3 | 24°42 | 18°12 | M10 |
| T 11 | 9 54 27 | 0♓15'01 | 27°53 | 5°30 | 16°31 | 10°44 | 13°49 | 9°18 | 5°54 | 0°33 | 6° 3 | 17°31 | 18° 0 | 24°49 | 18°16 | T 11 |
| W12 | 9 58 23 | 1°15'15 | 10♉ 9 | 6°50 | 17°33 | 11°20 | 14° 1 | 9°23 | 5°52 | 0°35 | 6° 4 | 17°25 | 17°56 | 24°55 | 18°21 | W12 |
| T 13 | 10 2 20 | 2°15'27 | 22°43 | 8°12 | 18°34 | 11°56 | 14°14 | 9°28 | 5°49 | 0°38 | 6° 5 | 17°17 | 17°53 | 25° 2 | 18°25 | T 13 |
| F 14 | 10 6 17 | 3°15'38 | 5♒37 | 9°35 | 19°35 | 12°32 | 14°26 | 9°33 | 5°47 | 0°40 | 6° 5 | 17° 6 | 17°50 | 25° 9 | 18°29 | F 14 |
| S 15 | 10 10 13 | 4°15'46 | 18°52 | 10°59 | 20°35 | 13° 8 | 14°39 | 9°38 | 5°45 | 0°42 | 6° 6 | 16°54 | 17°47 | 25°15 | 18°33 | S 15 |
| S 16 | 10 14 10 | 5°15'53 | 2♓27 | 12°25 | 21°36 | 13°43 | 14°52 | 9°43 | 5°43 | 0°44 | 6° 7 | 16°42 | 17°44 | 25°22 | 18°38 | S 16 |
| M17 | 10 18 6 | 6°15'58 | 16°19 | 13°52 | 22°35 | 14°19 | 15° 4 | 9°48 | 5°41 | 0°46 | 6° 7 | 16°31 | 17°41 | 25°29 | 18°42 | M17 |
| T 18 | 10 22 3 | 7°16'01 | 0♈23 | 15°20 | 23°34 | 14°55 | 15°17 | 9°53 | 5°38 | 0°48 | 6° 8 | 16°21 | 17°37 | 25°35 | 18°46 | T 18 |
| W19 | 10 25 59 | 8°16'02 | 14°35 | 16°50 | 24°33 | 15°30 | 15°30 | 9°58 | 5°36 | 0°50 | 6° 9 | 16°15 | 17°34 | 25°42 | 18°50 | W19 |
| T 20 | 10 29 56 | 9°16'01 | 28°50 | 18°20 | 25°31 | 16° 6 | 15°43 | 10° 3 | 5°34 | 0°52 | 6°10 | 16°12 | 17°31 | 25°48 | 18°54 | T 20 |
| F 21 | 10 33 52 | 10°15'58 | 13♉ 5 | 19°52 | 26°29 | 16°41 | 15°56 | 10° 7 | 5°32 | 0°54 | 6°11 | 16°D10 | 17°28 | 25°55 | 18°58 | F 21 |
| S 22 | 10 37 49 | 11°15'52 | 27°16 | 21°25 | 27°27 | 17°17 | 16° 9 | 10°12 | 5°30 | 0°57 | 6°11 | 16°11 | 17°25 | 26° 2 | 19° 1 | S 22 |
| S 23 | 10 41 46 | 12°15'44 | 11♊23 | 22°59 | 28°23 | 17°52 | 16°22 | 10°16 | 5°28 | 0°59 | 6°12 | 16°R11 | 17°21 | 26° 8 | 19° 5 | S 23 |
| M24 | 10 45 42 | 13°15'34 | 25°25 | 24°35 | 29°19 | 18°27 | 16°35 | 10°21 | 5°26 | 1° 1 | 6°13 | 16°10 | 17°18 | 26°15 | 19° 9 | M24 |
| T 25 | 10 49 39 | 14°15'22 | 9♋20 | 26°11 | 0♉15 | 19° 2 | 16°48 | 10°25 | 5°25 | 1° 3 | 6°14 | 16° 8 | 17°15 | 26°22 | 19°13 | T 25 |
| W26 | 10 53 35 | 15°15'08 | 23° 8 | 27°49 | 1°10 | 19°37 | 17° 2 | 10°30 | 5°23 | 1° 5 | 6°15 | 16° 3 | 17°12 | 26°28 | 19°16 | W26 |
| T 27 | 10 57 32 | 16°14'51 | 6♌48 | 29°28 | 2° 4 | 20°12 | 17°15 | 10°34 | 5°21 | 1° 7 | 6°16 | 15°55 | 17° 9 | 26°35 | 19°20 | T 27 |
| F 28 | 11 1 28 | 17♓14'32 | 20♌17 | 1♓ 8 | 2♉58 | 20♐47 | 17♈28 | 10♉38 | 5♌19 | 1♈10 | 6♉17 | 15♉46 | 17♉ 6 | 26♏42 | 19♉23 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s48 | 18n 1 | 4n58 | 21s 3 | 0n22 | 3n 3 | 0n45 | 20s35 | 0n35 | 3n38 | 1s 9 | 22s43 | 0n33 | 19n25 | 0n41 | 1s16 | 1s29 | 1s 8 | 15s32 | 17n20 | 17n24 | 19s13 | 16s 2 | 6n24 |
| S 2 | 14 29 | 12 55 | 4 42 | 21 3 | 0 12 | 3 34 | 0 51 | 20 42 | 0 34 | 3 43 | 1 9 | 22 42 | 0 33 | 19 26 | 0 41 | 1 15 | 1 29 | 1 8 | 15 32 | 17 17 | 17 23 | 19 15 | 16 1 | 6 24 |
| M 3 | 14 9 | 7 22 | 4 12 | 21 1 | 0 2 | 4 5 | 0 56 | 20 49 | 0 33 | 3 47 | 1 9 | 22 42 | 0 33 | 19 26 | 0 40 | 1 15 | 1 29 | 1 7 | 15 32 | 17 14 | 17 22 | 19 18 | 16 0 | 6 24 |
| T 4 | 13 50 | 1 39 | 3 29 | 20 58 | 0s 7 | 4 35 | 1 2 | 20 56 | 0 33 | 3 52 | 1 9 | 22 42 | 0 33 | 19 27 | 0 40 | 1 14 | 1 29 | 1 7 | 15 31 | 17 11 | 17 21 | 19 20 | 15 59 | 6 25 |
| W 5 | 13 30 | 4s 0 | 2 38 | 20 53 | 0 16 | 5 5 | 1 7 | 21 3 | 0 32 | 3 57 | 1 8 | 22 41 | 0 33 | 19 27 | 0 40 | 1 13 | 1 29 | 1 6 | 15 31 | 17 10 | 17 20 | 19 23 | 15 58 | 6 25 |
| T 6 | 13 9 | 9 24 | 1 40 | 20 48 | 0 25 | 5 36 | 1 13 | 21 10 | 0 31 | 4 2 | 1 8 | 22 41 | 0 33 | 19 28 | 0 40 | 1 12 | 1 29 | 1 6 | 15 31 | 17 9 | 17 20 | 19 25 | 15 57 | 6 25 |
| F 7 | 12 49 | 14 23 | 0 38 | 20 41 | 0 34 | 6 6 | 1 18 | 21 16 | 0 30 | 4 6 | 1 8 | 22 41 | 0 33 | 19 29 | 0 40 | 1 12 | 1 29 | 1 5 | 15 30 | 17 8 | 17 19 | 19 28 | 15 56 | 6 25 |
| S 8 | 12 28 | 18 46 | 0s24 | 20 33 | 0 42 | 6 36 | 1 24 | 21 23 | 0 29 | 4 11 | 1 8 | 22 40 | 0 33 | 19 29 | 0 40 | 1 11 | 1 29 | 1 5 | 15 30 | 17 8 | 17 18 | 19 30 | 15 56 | 6 26 |
| S 9 | 12 8 | 22 26 | 1 26 | 20 24 | 0 50 | 7 5 | 1 30 | 21 29 | 0 28 | 4 16 | 1 8 | 22 40 | 0 32 | 19 30 | 0 40 | 1 10 | 1 29 | 1 4 | 15 30 | 17 8 | 17 17 | 19 33 | 15 55 | 6 26 |
| M10 | 11 47 | 25 9 | 2 24 | 20 13 | 0 58 | 7 35 | 1 35 | 21 35 | 0 28 | 4 21 | 1 8 | 22 40 | 0 32 | 19 30 | 0 40 | 1 9 | 1 29 | 1 4 | 15 29 | 17 8 | 17 16 | 19 35 | 15 54 | 6 26 |
| T 11 | 11 25 | 26 47 | 3 16 | 20 1 | 1 5 | 8 4 | 1 41 | 21 42 | 0 27 | 4 26 | 1 7 | 22 39 | 0 32 | 19 31 | 0 40 | 1 8 | 1 29 | 1 3 | 15 29 | 17 7 | 17 15 | 19 38 | 15 53 | 6 27 |
| W12 | 11 4 | 27 8 | 4 1 | 19 48 | 1 12 | 8 33 | 1 47 | 21 47 | 0 26 | 4 31 | 1 7 | 22 39 | 0 32 | 19 31 | 0 40 | 1 8 | 1 29 | 1 3 | 15 29 | 17 5 | 17 14 | 19 40 | 15 52 | 6 27 |
| T 13 | 10 42 | 26 7 | 4 35 | 19 33 | 1 19 | 9 2 | 1 53 | 21 53 | 0 25 | 4 36 | 1 7 | 22 39 | 0 32 | 19 32 | 0 40 | 1 7 | 1 29 | 1 2 | 15 28 | 17 3 | 17 13 | 19 43 | 15 51 | 6 27 |
| F 14 | 10 21 | 23 42 | 4 56 | 19 17 | 1 25 | 9 31 | 1 59 | 21 59 | 0 24 | 4 41 | 1 7 | 22 38 | 0 32 | 19 33 | 0 40 | 1 6 | 1 29 | 1 2 | 15 28 | 17 0 | 17 12 | 19 45 | 15 50 | 6 28 |
| S 15 | 9 59 | 19 59 | 5 1 | 19 0 | 1 31 | 9 59 | 2 5 | 22 4 | 0 23 | 4 46 | 1 7 | 22 38 | 0 32 | 19 33 | 0 40 | 1 5 | 1 29 | 1 1 | 15 28 | 16 57 | 17 12 | 19 48 | 15 49 | 6 28 |
| S 16 | 9 37 | 15 9 | 4 50 | 18 41 | 1 37 | 10 28 | 2 10 | 22 10 | 0 22 | 4 51 | 1 7 | 22 38 | 0 32 | 19 34 | 0 40 | 1 4 | 1 29 | 1 1 | 15 28 | 16 53 | 17 11 | 19 50 | 15 48 | 6 29 |
| M17 | 9 15 | 9 27 | 4 22 | 18 21 | 1 42 | 10 56 | 2 16 | 22 15 | 0 21 | 4 56 | 1 6 | 22 37 | 0 32 | 19 34 | 0 40 | 1 3 | 1 29 | 1 0 | 15 27 | 16 50 | 17 10 | 19 53 | 15 47 | 6 29 |
| T 18 | 8 52 | 3 11 | 3 38 | 18 0 | 1 47 | 11 23 | 2 22 | 22 20 | 0 20 | 5 1 | 1 6 | 22 37 | 0 32 | 19 35 | 0 40 | 1 2 | 1 29 | 1 0 | 15 27 | 16 47 | 17 9 | 19 55 | 15 47 | 6 29 |
| W19 | 8 30 | 3n19 | 2 40 | 17 37 | 1 51 | 11 51 | 2 28 | 22 25 | 0 19 | 5 6 | 1 6 | 22 37 | 0 32 | 19 35 | 0 40 | 1 2 | 1 29 | 0 59 | 15 27 | 16 45 | 17 8 | 19 58 | 15 46 | 6 30 |
| T 20 | 8 7 | 9 41 | 1 31 | 17 13 | 1 55 | 12 18 | 2 35 | 22 30 | 0 18 | 5 11 | 1 6 | 22 36 | 0 32 | 19 36 | 0 40 | 1 1 | 1 29 | 0 59 | 15 26 | 16 44 | 17 7 | 20 0 | 15 45 | 6 30 |
| F 21 | 7 45 | 15 33 | 0 16 | 16 47 | 1 59 | 12 45 | 2 41 | 22 34 | 0 17 | 5 17 | 1 6 | 22 36 | 0 32 | 19 36 | 0 40 | 1 0 | 1 29 | 0 58 | 15 26 | 16 44 | 17 6 | 20 2 | 15 44 | 6 30 |
| S 22 | 7 22 | 20 34 | 0n59 | 16 20 | 2 2 | 13 11 | 2 47 | 22 39 | 0 16 | 5 22 | 1 6 | 22 36 | 0 32 | 19 37 | 0 40 | 0 59 | 1 29 | 0 58 | 15 26 | 16 44 | 17 5 | 20 5 | 15 43 | 6 31 |
| S 23 | 6 59 | 24 22 | 2 10 | 15 52 | 2 5 | 13 37 | 2 53 | 22 43 | 0 15 | 5 27 | 1 6 | 22 35 | 0 32 | 19 37 | 0 40 | 0 58 | 1 29 | 0 57 | 15 26 | 16 44 | 17 4 | 20 7 | 15 42 | 6 31 |
| M24 | 6 36 | 26 40 | 3 13 | 15 23 | 2 8 | 14 3 | 2 59 | 22 47 | 0 14 | 5 32 | 1 5 | 22 35 | 0 32 | 19 38 | 0 40 | 0 57 | 1 29 | 0 57 | 15 25 | 16 44 | 17 3 | 20 10 | 15 41 | 6 32 |
| T 25 | 6 13 | 27 15 | 4 4 | 14 52 | 2 10 | 14 29 | 3 5 | 22 51 | 0 13 | 5 37 | 1 5 | 22 35 | 0 32 | 19 38 | 0 40 | 0 56 | 1 29 | 0 56 | 15 25 | 16 43 | 17 3 | 20 12 | 15 40 | 6 32 |
| W26 | 5 50 | 26 8 | 4 41 | 14 20 | 2 11 | 14 54 | 3 11 | 22 55 | 0 12 | 5 43 | 1 5 | 22 35 | 0 32 | 19 38 | 0 40 | 0 55 | 1 29 | 0 56 | 15 25 | 16 42 | 17 2 | 20 14 | 15 39 | 6 32 |
| T 27 | 5 27 | 23 29 | 5 1 | 13 46 | 2 13 | 15 19 | 3 17 | 22 59 | 0 11 | 5 48 | 1 5 | 22 34 | 0 32 | 19 39 | 0 40 | 0 55 | 1 29 | 0 55 | 15 24 | 16 40 | 17 1 | 20 17 | 15 38 | 6 33 |
| F 28 | 5s 3 | 19n34 | 5n 3 | 13s11 | 2s13 | 15n43 | 3n23 | 23s 3 | 0n10 | 5n53 | 1s 5 | 22s34 | 0n32 | 19n39 | 0n40 | 0s54 | 1s29 | 0s55 | 15s24 | 16n37 | 17n 0 | 20s19 | 15s37 | 6n33 |

Julian Day Number = 2221846.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'04, Lahiri = 15°05'04 Julian Calendar 1 Feb. 1371 == Greg. Calendar 9 Feb. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## MARCH 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 5 25 | 18♓14'10 | 3♍34 | 2♓50 | 3♉51 | 21♐22 | 17♈42 | 10♑42 | 5°R17 | 1♈12 | 6♉18 | 15°R35 | 17♉ 2 | 26♏48 | 19♑27 | S 1 |
| S 2 | 11 9 21 | 19°13'47 | 16°37 | 4°33 | 4°43 | 21°57 | 17°55 | 10°46 | 5♌16 | 1°14 | 6°19 | 15♉25 | 16°59 | 26°55 | 19°30 | S 2 |
| M 3 | 11 13 18 | 20°13'21 | 29°25 | 6°16 | 5°35 | 22°32 | 18° 9 | 10°50 | 5°14 | 1°16 | 6°20 | 15°16 | 16°56 | 27° 2 | 19°34 | M 3 |
| T 4 | 11 17 15 | 21°12'54 | 11♎57 | 8° 2 | 6°26 | 23° 6 | 18°22 | 10°54 | 5°12 | 1°19 | 6°21 | 15° 9 | 16°53 | 27° 8 | 19°37 | T 4 |
| W 5 | 11 21 11 | 22°12'24 | 24°14 | 9°48 | 7°16 | 23°41 | 18°36 | 10°57 | 5°11 | 1°21 | 6°22 | 15° 5 | 16°50 | 27°15 | 19°40 | W 5 |
| T 6 | 11 25 8 | 23°11'53 | 6♏19 | 11°36 | 8° 5 | 24°15 | 18°50 | 11° 1 | 5° 9 | 1°23 | 6°23 | 15° 2 | 16°47 | 27°22 | 19°43 | T 6 |
| F 7 | 11 29 4 | 24°11'19 | 18°14 | 13°25 | 8°54 | 24°50 | 19° 3 | 11° 4 | 5° 8 | 1°25 | 6°24 | 15°D 2 | 16°43 | 27°28 | 19°47 | F 7 |
| S 8 | 11 33 1 | 25°10'44 | 0♐ 3 | 15°15 | 9°42 | 25°24 | 19°17 | 11° 8 | 5° 7 | 1°28 | 6°25 | 15° 3 | 16°40 | 27°35 | 19°50 | S 8 |
| S 9 | 11 36 57 | 26°10'07 | 11°51 | 17° 7 | 10°28 | 25°58 | 19°31 | 11°11 | 5° 5 | 1°30 | 6°26 | 15° 4 | 16°37 | 27°41 | 19°53 | S 9 |
| M10 | 11 40 54 | 27° 9'29 | 23°43 | 19° 0 | 11°14 | 26°32 | 19°45 | 11°15 | 5° 4 | 1°32 | 6°27 | 15°R 5 | 16°34 | 27°48 | 19°55 | M10 |
| T 11 | 11 44 50 | 28° 8'48 | 5♑45 | 20°54 | 11°59 | 27° 6 | 19°58 | 11°18 | 5° 3 | 1°34 | 6°28 | 15° 5 | 16°31 | 27°55 | 19°58 | T 11 |
| W12 | 11 48 47 | 29° 8'06 | 18° 1 | 22°50 | 12°43 | 27°40 | 20°12 | 11°21 | 5° 1 | 1°37 | 6°29 | 15° 3 | 16°27 | 28° 1 | 20° 1 | W12 |
| T 13 | 11 52 44 | 0♈ 7'22 | 0♒36 | 24°46 | 13°26 | 28°14 | 20°26 | 11°24 | 5° 0 | 1°39 | 6°30 | 14°59 | 16°24 | 28° 8 | 20° 4 | T 13 |
| F 14 | 11 56 40 | 1° 6'36 | 13°33 | 26°45 | 14° 8 | 28°48 | 20°40 | 11°27 | 4°59 | 1°41 | 6°31 | 14°53 | 16°21 | 28°15 | 20° 7 | F 14 |
| S 15 | 12 0 37 | 2° 5'48 | 26°55 | 28°44 | 14°49 | 29°22 | 20°54 | 11°30 | 4°58 | 1°43 | 6°33 | 14°47 | 16°18 | 28°21 | 20° 9 | S 15 |
| S 16 | 12 4 33 | 3° 4'58 | 10♓41 | 0♈44 | 15°28 | 29°55 | 21° 8 | 11°33 | 4°57 | 1°46 | 6°34 | 14°40 | 16°15 | 28°28 | 20°12 | S 16 |
| M17 | 12 8 30 | 4° 4'07 | 24°50 | 2°46 | 16° 7 | 0♑29 | 21°22 | 11°35 | 4°56 | 1°48 | 6°35 | 14°33 | 16°12 | 28°35 | 20°14 | M17 |
| T 18 | 12 12 26 | 5° 3'13 | 9♈15 | 4°48 | 16°44 | 1° 2 | 21°36 | 11°38 | 4°55 | 1°50 | 6°36 | 14°28 | 16° 8 | 28°41 | 20°16 | T 18 |
| W19 | 12 16 23 | 6° 2'17 | 23°52 | 6°52 | 17°20 | 1°35 | 21°50 | 11°40 | 4°54 | 1°53 | 6°37 | 14°25 | 16° 5 | 28°48 | 20°19 | W19 |
| T 20 | 12 20 19 | 7° 1'19 | 8♉34 | 8°56 | 17°54 | 2° 8 | 22° 5 | 11°43 | 4°53 | 1°55 | 6°38 | 14°D23 | 16° 2 | 28°55 | 20°21 | T 20 |
| F 21 | 12 24 16 | 8° 0'19 | 23°13 | 11° 1 | 18°28 | 2°41 | 22°19 | 11°45 | 4°52 | 1°57 | 6°40 | 14°23 | 15°59 | 29° 1 | 20°23 | F 21 |
| S 22 | 12 28 12 | 8°59'16 | 7♊45 | 13° 6 | 18°59 | 3°14 | 22°33 | 11°47 | 4°52 | 1°59 | 6°41 | 14°24 | 15°56 | 29° 8 | 20°25 | S 22 |
| S 23 | 12 32 9 | 9°58'11 | 22° 5 | 15°11 | 19°30 | 3°46 | 22°47 | 11°50 | 4°51 | 2° 2 | 6°42 | 14°26 | 15°53 | 29°15 | 20°27 | S 23 |
| M24 | 12 36 6 | 10°57'04 | 6♋12 | 17°16 | 19°58 | 4°19 | 23° 1 | 11°52 | 4°50 | 2° 4 | 6°43 | 14°R27 | 15°49 | 29°21 | 20°29 | M24 |
| T 25 | 12 40 2 | 11°55'55 | 20° 3 | 19°21 | 20°25 | 4°51 | 23°16 | 11°54 | 4°50 | 2° 6 | 6°45 | 14°26 | 15°46 | 29°28 | 20°31 | T 25 |
| W26 | 12 43 59 | 12°54'43 | 3♌40 | 21°25 | 20°51 | 5°23 | 23°30 | 11°55 | 4°49 | 2° 8 | 6°46 | 14°25 | 15°43 | 29°34 | 20°33 | W26 |
| T 27 | 12 47 55 | 13°53'29 | 17° 2 | 23°28 | 21°15 | 5°56 | 23°44 | 11°57 | 4°49 | 2°11 | 6°47 | 14°22 | 15°40 | 29°41 | 20°35 | T 27 |
| F 28 | 12 51 52 | 14°52'13 | 0♍10 | 25°30 | 21°36 | 6°28 | 23°58 | 11°59 | 4°48 | 2°13 | 6°48 | 14°18 | 15°37 | 29°48 | 20°37 | F 28 |
| S 29 | 12 55 48 | 15°50'54 | 13° 4 | 27°31 | 21°56 | 6°59 | 24°13 | 12° 0 | 4°48 | 2°15 | 6°50 | 14°13 | 15°33 | 29°54 | 20°38 | S 29 |
| S 30 | 12 59 45 | 16°49'33 | 25°45 | 29°29 | 22°15 | 7°31 | 24°27 | 12° 2 | 4°48 | 2°17 | 6°51 | 14° 9 | 15°30 | 0♐ 1 | 20°40 | S 30 |
| M31 | 13 3 41 | 17♈48'10 | 8♎13 | 1♉25 | 22♉31 | 8♑ 3 | 24♈41 | 12♑ 3 | 4♌47 | 2♈19 | 6♉52 | 14♉ 5 | 15♉27 | 0♐ 8 | 20♑41 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s40 | 14n44 | 4n50 | 12s35 | 2s14 | 16n 7 | 3n29 | 23s 6 | 0n 8 | 5n58 | 1s 5 | 22s34 | 0n32 | 19n40 | 0n40 | 0s53 | 1s29 | 0s54 | 15s24 | 16n34 | 16n59 | 20s22 | 15s37 | 6n34 |
| S 2 | 4 17 | 9 18 | 4 21 | 11 57 | 2 14 | 16 31 | 3 35 | 23 9 | 0 7 | 6 3 | 1 5 | 22 33 | 0 32 | 19 40 | 0 40 | 0 52 | 1 29 | 0 53 | 15 24 | 16 31 | 16 58 | 20 24 | 15 36 | 6 34 |
| M 3 | 3 53 | 3 35 | 3 40 | 11 18 | 2 13 | 16 54 | 3 41 | 23 13 | 0 6 | 6 9 | 1 5 | 22 33 | 0 32 | 19 40 | 0 40 | 0 51 | 1 29 | 0 53 | 15 23 | 16 28 | 16 57 | 20 26 | 15 35 | 6 35 |
| T 4 | 3 30 | 2s10 | 2 48 | 10 38 | 2 12 | 17 17 | 3 47 | 23 16 | 0 5 | 6 14 | 1 4 | 22 33 | 0 32 | 19 41 | 0 40 | 0 50 | 1 29 | 0 52 | 15 23 | 16 26 | 16 56 | 20 29 | 15 34 | 6 35 |
| W 5 | 3 6 | 7 44 | 1 50 | 9 56 | 2 10 | 17 39 | 3 53 | 23 19 | 0 3 | 6 19 | 1 4 | 22 32 | 0 32 | 19 41 | 0 40 | 0 49 | 1 29 | 0 52 | 15 23 | 16 25 | 16 55 | 20 31 | 15 33 | 6 36 |
| T 6 | 2 43 | 12 56 | 0 47 | 9 13 | 2 8 | 18 1 | 3 59 | 23 22 | 0 2 | 6 25 | 1 4 | 22 32 | 0 32 | 19 42 | 0 40 | 0 48 | 1 29 | 0 51 | 15 23 | 16 24 | 16 54 | 20 34 | 15 32 | 6 36 |
| F 7 | 2 19 | 17 36 | 0s17 | 8 29 | 2 6 | 18 22 | 4 5 | 23 24 | 0 1 | 6 30 | 1 4 | 22 32 | 0 32 | 19 42 | 0 40 | 0 47 | 1 29 | 0 51 | 15 22 | 16 24 | 16 54 | 20 36 | 15 31 | 6 36 |
| S 8 | 1 55 | 21 32 | 1 20 | 7 43 | 2 3 | 18 43 | 4 11 | 23 27 | 0s 0 | 6 35 | 1 4 | 22 32 | 0 32 | 19 42 | 0 40 | 0 47 | 1 29 | 0 50 | 15 22 | 16 24 | 16 53 | 20 38 | 15 30 | 6 37 |
| S 9 | 1 32 | 24 36 | 2 20 | 6 56 | 1 59 | 19 4 | 4 16 | 23 29 | 0 2 | 6 41 | 1 4 | 22 31 | 0 32 | 19 43 | 0 40 | 0 46 | 1 29 | 0 50 | 15 22 | 16 25 | 16 52 | 20 41 | 15 29 | 6 37 |
| M10 | 1 8 | 26 36 | 3 14 | 6 8 | 1 55 | 19 24 | 4 22 | 23 32 | 0 3 | 6 46 | 1 4 | 22 31 | 0 32 | 19 43 | 0 40 | 0 45 | 1 29 | 0 49 | 15 22 | 16 25 | 16 51 | 20 43 | 15 29 | 6 38 |
| T 11 | 0 44 | 27 23 | 4 0 | 5 19 | 1 51 | 19 43 | 4 28 | 23 34 | 0 4 | 6 51 | 1 4 | 22 31 | 0 32 | 19 43 | 0 40 | 0 44 | 1 29 | 0 49 | 15 22 | 16 25 | 16 50 | 20 45 | 15 28 | 6 38 |
| W12 | 0 21 | 26 52 | 4 36 | 4 28 | 1 45 | 20 3 | 4 33 | 23 36 | 0 6 | 6 57 | 1 4 | 22 31 | 0 32 | 19 43 | 0 40 | 0 43 | 1 29 | 0 48 | 15 21 | 16 24 | 16 49 | 20 48 | 15 27 | 6 39 |
| T 13 | 0n 3 | 24 58 | 5 0 | 3 37 | 1 40 | 20 21 | 4 39 | 23 38 | 0 7 | 7 2 | 1 3 | 22 30 | 0 32 | 19 44 | 0 40 | 0 42 | 1 29 | 0 47 | 15 21 | 16 23 | 16 48 | 20 50 | 15 26 | 6 39 |
| F 14 | 0 27 | 21 45 | 5 9 | 2 44 | 1 34 | 20 39 | 4 44 | 23 40 | 0 9 | 7 7 | 1 3 | 22 30 | 0 32 | 19 44 | 0 40 | 0 41 | 1 29 | 0 47 | 15 21 | 16 22 | 16 47 | 20 52 | 15 25 | 6 40 |
| S 15 | 0 50 | 17 19 | 5 2 | 1 50 | 1 27 | 20 56 | 4 50 | 23 41 | 0 10 | 7 13 | 1 3 | 22 30 | 0 32 | 19 44 | 0 40 | 0 40 | 1 29 | 0 46 | 15 21 | 16 20 | 16 46 | 20 55 | 15 24 | 6 40 |
| S 16 | 1 14 | 11 52 | 4 38 | 0 56 | 1 20 | 21 13 | 4 55 | 23 43 | 0 12 | 7 18 | 1 3 | 22 30 | 0 31 | 19 44 | 0 40 | 0 39 | 1 29 | 0 46 | 15 21 | 16 18 | 16 45 | 20 57 | 15 23 | 6 41 |
| M17 | 1 37 | 5 41 | 3 57 | 0n 0 | 1 12 | 21 30 | 5 0 | 23 44 | 0 13 | 7 23 | 1 3 | 22 30 | 0 31 | 19 45 | 0 40 | 0 38 | 1 29 | 0 45 | 15 20 | 16 16 | 16 44 | 20 59 | 15 23 | 6 41 |
| T 18 | 2 1 | 0n56 | 2 59 | 0 56 | 1 4 | 21 46 | 5 5 | 23 46 | 0 15 | 7 29 | 1 3 | 22 29 | 0 31 | 19 45 | 0 40 | 0 37 | 1 29 | 0 45 | 15 20 | 16 14 | 16 43 | 21 2 | 15 22 | 6 42 |
| W19 | 2 24 | 7 36 | 1 49 | 1 53 | 0 55 | 22 1 | 5 10 | 23 47 | 0 16 | 7 34 | 1 3 | 22 29 | 0 31 | 19 45 | 0 40 | 0 37 | 1 29 | 0 44 | 15 20 | 16 13 | 16 43 | 21 4 | 15 21 | 6 42 |
| T 20 | 2 48 | 13 54 | 0 32 | 2 51 | 0 46 | 22 15 | 5 15 | 23 48 | 0 18 | 7 39 | 1 3 | 22 29 | 0 31 | 19 45 | 0 40 | 0 36 | 1 29 | 0 44 | 15 20 | 16 13 | 16 42 | 21 6 | 15 20 | 6 43 |
| F 21 | 3 11 | 19 25 | 0n48 | 3 49 | 0 36 | 22 29 | 5 19 | 23 49 | 0 19 | 7 45 | 1 3 | 22 29 | 0 31 | 19 45 | 0 40 | 0 35 | 1 29 | 0 43 | 15 20 | 16 13 | 16 41 | 21 9 | 15 19 | 6 43 |
| S 22 | 3 34 | 23 43 | 2 4 | 4 47 | 0 26 | 22 43 | 5 24 | 23 50 | 0 21 | 7 50 | 1 3 | 22 29 | 0 31 | 19 45 | 0 40 | 0 34 | 1 29 | 0 43 | 15 19 | 16 13 | 16 40 | 21 11 | 15 18 | 6 44 |
| S 23 | 3 58 | 26 28 | 3 11 | 5 45 | 0 16 | 22 55 | 5 28 | 23 51 | 0 23 | 7 55 | 1 3 | 22 28 | 0 31 | 19 46 | 0 40 | 0 33 | 1 29 | 0 42 | 15 19 | 16 13 | 16 39 | 21 13 | 15 18 | 6 44 |
| M24 | 4 21 | 27 28 | 4 6 | 6 43 | 0 6 | 23 7 | 5 32 | 23 51 | 0 24 | 8 1 | 1 3 | 22 28 | 0 31 | 19 46 | 0 40 | 0 32 | 1 29 | 0 41 | 15 19 | 16 14 | 16 38 | 21 16 | 15 17 | 6 45 |
| T 25 | 4 44 | 26 43 | 4 45 | 7 41 | 0n 5 | 23 18 | 5 36 | 23 52 | 0 26 | 8 6 | 1 2 | 22 28 | 0 31 | 19 46 | 0 40 | 0 31 | 1 29 | 0 41 | 15 19 | 16 14 | 16 37 | 21 18 | 15 16 | 6 45 |
| W26 | 5 7 | 24 22 | 5 7 | 8 38 | 0 16 | 23 29 | 5 40 | 23 52 | 0 28 | 8 11 | 1 2 | 22 28 | 0 31 | 19 46 | 0 40 | 0 30 | 1 29 | 0 40 | 15 19 | 16 13 | 16 36 | 21 20 | 15 15 | 6 46 |
| T 27 | 5 30 | 20 44 | 5 12 | 9 35 | 0 28 | 23 39 | 5 43 | 23 53 | 0 29 | 8 17 | 1 2 | 22 28 | 0 31 | 19 46 | 0 40 | 0 29 | 1 29 | 0 40 | 15 19 | 16 12 | 16 35 | 21 22 | 15 14 | 6 46 |
| F 28 | 5 53 | 16 8 | 5 1 | 10 30 | 0 39 | 23 48 | 5 47 | 23 53 | 0 31 | 8 22 | 1 2 | 22 28 | 0 31 | 19 46 | 0 39 | 0 29 | 1 29 | 0 39 | 15 18 | 16 11 | 16 34 | 21 25 | 15 14 | 6 47 |
| S 29 | 6 15 | 10 54 | 4 34 | 11 24 | 0 50 | 23 56 | 5 50 | 23 53 | 0 33 | 8 27 | 1 2 | 22 28 | 0 31 | 19 46 | 0 39 | 0 28 | 1 29 | 0 39 | 15 18 | 16 10 | 16 33 | 21 27 | 15 13 | 6 48 |
| S 30 | 6 38 | 5 17 | 3 54 | 12 17 | 1 1 | 24 4 | 5 52 | 23 53 | 0 35 | 8 33 | 1 2 | 22 28 | 0 31 | 19 46 | 0 39 | 0 27 | 1 29 | 0 38 | 15 18 | 16 8 | 16 32 | 21 29 | 15 12 | 6 48 |
| M31 | 7n 1 | 0s27 | 3n 4 | 13n 8 | 1n12 | 24n10 | 5n55 | 23s53 | 0s37 | 8n38 | 1s 2 | 22s27 | 0n31 | 19n46 | 0n39 | 0s26 | 1s29 | 0s38 | 15s18 | 16n 7 | 16n31 | 21s32 | 15s11 | 6n49 |

Julian Day Number = 2221874.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'08, Lahiri = 15°05'08 Julian Calendar 1 March 1371 == Greg. Calendar 9 March 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## APRIL 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 7 38 | 18♈46'46 | 20♎30 | 3♉18 | 22♉45 | 8♑34 | 24♈55 | 12♑ 4 | 4°R47 | 2♈22 | 6♉53 | 14°R 2 | 15♉24 | 0♐14 | 20♑43 | T 1 |
| W 2 | 13 11 35 | 19°45'19 | 2♏37 | 5° 8 | 22°57 | 9° 5 | 25°10 | 12° 6 | 4♌47 | 2°24 | 6°55 | 14♉ 0 | 15°21 | 0°21 | 20°44 | W 2 |
| T 3 | 13 15 31 | 20°43'50 | 14°34 | 6°55 | 23° 6 | 9°36 | 25°24 | 12° 7 | 4°47 | 2°26 | 6°56 | 13°D59 | 15°18 | 0°28 | 20°45 | T 3 |
| F 4 | 13 19 28 | 21°42'20 | 26°26 | 8°38 | 23°14 | 10° 7 | 25°38 | 12° 8 | 4°D47 | 2°28 | 6°57 | 14° 0 | 15°14 | 0°34 | 20°46 | F 4 |
| S 5 | 13 23 24 | 22°40'47 | 8♐14 | 10°18 | 23°19 | 10°38 | 25°53 | 12° 9 | 4°47 | 2°30 | 6°59 | 14° 1 | 15°11 | 0°41 | 20°47 | S 5 |
| S 6 | 13 27 21 | 23°39'13 | 20° 3 | 11°54 | 23°22 | 11° 8 | 26° 7 | 12° 9 | 4°47 | 2°33 | 7° 0 | 14° 3 | 15° 8 | 0°48 | 20°48 | S 6 |
| M 7 | 13 31 17 | 24°37'38 | 1♑56 | 13°26 | 23°R23 | 11°39 | 26°21 | 12°10 | 4°47 | 2°35 | 7° 1 | 14° 4 | 15° 5 | 0°54 | 20°49 | M 7 |
| T 8 | 13 35 14 | 25°36'01 | 13°57 | 14°53 | 23°21 | 12° 9 | 26°36 | 12°11 | 4°47 | 2°37 | 7° 3 | 14° 5 | 15° 2 | 1° 1 | 20°50 | T 8 |
| W 9 | 13 39 10 | 26°34'22 | 26°12 | 16°16 | 23°17 | 12°39 | 26°50 | 12°11 | 4°48 | 2°39 | 7° 4 | 14°R 6 | 14°58 | 1° 8 | 20°51 | W 9 |
| T 10 | 13 43 7 | 27°32'41 | 8♒44 | 17°35 | 23°11 | 13° 8 | 27° 4 | 12°12 | 4°48 | 2°41 | 7° 5 | 14° 5 | 14°55 | 1°14 | 20°52 | T 10 |
| F 11 | 13 47 4 | 28°30'59 | 21°39 | 18°49 | 23° 2 | 13°38 | 27°19 | 12°12 | 4°48 | 2°43 | 7° 7 | 14° 4 | 14°52 | 1°21 | 20°52 | F 11 |
| S 12 | 13 51 0 | 29°29'16 | 4♓59 | 19°58 | 22°50 | 14° 7 | 27°33 | 12°12 | 4°49 | 2°45 | 7° 8 | 14° 3 | 14°49 | 1°28 | 20°53 | S 12 |
| S 13 | 13 54 57 | 0♉27'31 | 18°45 | 21° 2 | 22°36 | 14°36 | 27°47 | 12°12 | 4°49 | 2°47 | 7° 9 | 14° 1 | 14°46 | 1°34 | 20°53 | S 13 |
| M14 | 13 58 53 | 1°25'44 | 2♈57 | 22° 2 | 22°20 | 15° 5 | 28° 2 | 12°R12 | 4°49 | 2°49 | 7°11 | 13°59 | 14°43 | 1°41 | 20°54 | M14 |
| T 15 | 14 2 50 | 2°23'55 | 17°31 | 22°57 | 22° 1 | 15°34 | 28°16 | 12°12 | 4°50 | 2°51 | 7°12 | 13°58 | 14°39 | 1°47 | 20°54 | T 15 |
| W16 | 14 6 46 | 3°22'05 | 2♉23 | 23°46 | 21°40 | 16° 2 | 28°30 | 12°12 | 4°51 | 2°53 | 7°13 | 13°57 | 14°36 | 1°54 | 20°55 | W16 |
| T 17 | 14 10 43 | 4°20'14 | 17°23 | 24°31 | 21°17 | 16°31 | 28°45 | 12°12 | 4°51 | 2°55 | 7°15 | 13°D57 | 14°33 | 2° 1 | 20°55 | T 17 |
| F 18 | 14 14 39 | 5°18'20 | 2♊25 | 25°10 | 20°52 | 16°59 | 28°59 | 12°11 | 4°52 | 2°57 | 7°16 | 13°58 | 14°30 | 2° 7 | 20°55 | F 18 |
| S 19 | 14 18 36 | 6°16'25 | 17°19 | 25°45 | 20°25 | 17°26 | 29°13 | 12°11 | 4°53 | 2°59 | 7°18 | 13°58 | 14°27 | 2°14 | 20°R55 | S 19 |
| S 20 | 14 22 33 | 7°14'28 | 1♋59 | 26°14 | 19°55 | 17°54 | 29°28 | 12°10 | 4°54 | 3° 1 | 7°19 | 13°59 | 14°24 | 2°21 | 20°55 | S 20 |
| M21 | 14 26 29 | 8°12'29 | 16°20 | 26°38 | 19°24 | 18°21 | 29°42 | 12°10 | 4°54 | 3° 3 | 7°20 | 13°59 | 14°20 | 2°27 | 20°55 | M21 |
| T 22 | 14 30 26 | 9°10'28 | 0♌19 | 26°56 | 18°52 | 18°48 | 29°56 | 12° 9 | 4°55 | 3° 5 | 7°22 | 14° 0 | 14°17 | 2°34 | 20°55 | T 22 |
| W23 | 14 34 22 | 10° 8'25 | 13°55 | 27°10 | 18°18 | 19°14 | 0♉10 | 12° 8 | 4°56 | 3° 7 | 7°23 | 14°R 0 | 14°14 | 2°41 | 20°54 | W23 |
| T 24 | 14 38 19 | 11° 6'20 | 27°11 | 27°18 | 17°43 | 19°41 | 0°24 | 12° 7 | 4°57 | 3° 9 | 7°24 | 13°59 | 14°11 | 2°47 | 20°54 | T 24 |
| F 25 | 14 42 15 | 12° 4'14 | 10♍ 6 | 27°R21 | 17° 6 | 20° 7 | 0°39 | 12° 6 | 4°58 | 3°11 | 7°26 | 13°59 | 14° 8 | 2°54 | 20°54 | F 25 |
| S 26 | 14 46 12 | 13° 2'05 | 22°45 | 27°20 | 16°29 | 20°32 | 0°53 | 12° 5 | 5° 0 | 3°13 | 7°27 | 13°59 | 14° 4 | 3° 1 | 20°53 | S 26 |
| S 27 | 14 50 8 | 13°59'55 | 5♎10 | 27°13 | 15°52 | 20°58 | 1° 7 | 12° 4 | 5° 1 | 3°15 | 7°28 | 13°D59 | 14° 1 | 3° 7 | 20°53 | S 27 |
| M28 | 14 54 5 | 14°57'43 | 17°22 | 27° 2 | 15°14 | 21°23 | 1°21 | 12° 2 | 5° 2 | 3°16 | 7°30 | 13°59 | 13°58 | 3°14 | 20°52 | M28 |
| T 29 | 14 58 2 | 15°55'29 | 29°26 | 26°47 | 14°36 | 21°48 | 1°35 | 12° 1 | 5° 3 | 3°18 | 7°31 | 13°59 | 13°55 | 3°21 | 20°51 | T 29 |
| W30 | 15 1 58 | 16♉53'14 | 11♏22 | 26♉28 | 13♉58 | 22♑12 | 1♉49 | 11♑59 | 5♌ 5 | 3♈20 | 7♉32 | 13°R59 | 13♉52 | 3♐27 | 20♑50 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n23 | 6s 6 | 2n 6 | 13n57 | 1n23 | 24n16 | 5n57 | 23s53 | 0s39 | 8n43 | 1s 2 | 22s27 | 0n31 | 19n46 | 0n39 | 0s25 | 1s29 | 0s37 | 15s18 | 16n 6 | 16n31 | 21s34 | 15s11 | 6n49 |
| W 2 | 7 45 | 11 27 | 1 2 | 14 44 | 1 33 | 24 21 | 5 59 | 23 53 | 0 41 | 8 49 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 24 | 1 29 | 0 37 | 15 18 | 16 6 | 16 30 | 21 36 | 15 10 | 6 50 |
| T 3 | 8 7 | 16 19 | 0s 3 | 15 29 | 1 43 | 24 25 | 6 0 | 23 53 | 0 43 | 8 54 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 23 | 1 29 | 0 36 | 15 18 | 16 6 | 16 29 | 21 38 | 15 9 | 6 50 |
| F 4 | 8 29 | 20 32 | 1 8 | 16 12 | 1 52 | 24 28 | 6 2 | 23 53 | 0 45 | 8 59 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 23 | 1 29 | 0 36 | 15 18 | 16 6 | 16 28 | 21 41 | 15 9 | 6 51 |
| S 5 | 8 51 | 23 54 | 2 10 | 16 52 | 2 1 | 24 30 | 6 2 | 23 52 | 0 47 | 9 4 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 22 | 1 29 | 0 35 | 15 18 | 16 6 | 16 27 | 21 43 | 15 8 | 6 51 |
| S 6 | 9 13 | 26 15 | 3 6 | 17 30 | 2 9 | 24 31 | 6 3 | 23 52 | 0 49 | 9 10 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 21 | 1 29 | 0 35 | 15 17 | 16 7 | 16 26 | 21 45 | 15 7 | 6 52 |
| M 7 | 9 34 | 27 25 | 3 55 | 18 5 | 2 16 | 24 31 | 6 2 | 23 51 | 0 51 | 9 15 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 20 | 1 29 | 0 34 | 15 17 | 16 7 | 16 25 | 21 47 | 15 6 | 6 52 |
| T 8 | 9 56 | 27 20 | 4 34 | 18 38 | 2 23 | 24 30 | 6 2 | 23 51 | 0 53 | 9 20 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 19 | 1 29 | 0 34 | 15 17 | 16 7 | 16 24 | 21 49 | 15 6 | 6 53 |
| W 9 | 10 17 | 25 55 | 5 1 | 19 8 | 2 28 | 24 28 | 6 1 | 23 50 | 0 55 | 9 25 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 18 | 1 29 | 0 33 | 15 17 | 16 7 | 16 23 | 21 52 | 15 5 | 6 54 |
| T 10 | 10 38 | 23 12 | 5 15 | 19 35 | 2 33 | 24 25 | 5 59 | 23 49 | 0 57 | 9 31 | 1 2 | 22 27 | 0 31 | 19 46 | 0 39 | 0 18 | 1 29 | 0 33 | 15 17 | 16 7 | 16 22 | 21 54 | 15 4 | 6 54 |
| F 11 | 10 59 | 19 17 | 5 14 | 20 0 | 2 37 | 24 21 | 5 57 | 23 48 | 0 59 | 9 36 | 1 1 | 22 27 | 0 31 | 19 46 | 0 39 | 0 17 | 1 29 | 0 32 | 15 17 | 16 7 | 16 21 | 21 56 | 15 4 | 6 55 |
| S 12 | 11 20 | 14 18 | 4 56 | 20 22 | 2 41 | 24 15 | 5 54 | 23 48 | 1 2 | 9 41 | 1 1 | 22 27 | 0 31 | 19 46 | 0 39 | 0 16 | 1 29 | 0 32 | 15 17 | 16 7 | 16 20 | 21 58 | 15 3 | 6 55 |
| S 13 | 11 40 | 8 27 | 4 20 | 20 42 | 2 43 | 24 8 | 5 51 | 23 47 | 1 4 | 9 46 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 15 | 1 29 | 0 31 | 15 17 | 16 6 | 16 19 | 22 0 | 15 3 | 6 56 |
| M14 | 12 1 | 2 1 | 3 28 | 20 59 | 2 44 | 24 0 | 5 47 | 23 46 | 1 6 | 9 51 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 14 | 1 29 | 0 31 | 15 17 | 16 6 | 16 18 | 22 3 | 15 2 | 6 56 |
| T 15 | 12 21 | 4n43 | 2 21 | 21 13 | 2 44 | 23 51 | 5 43 | 23 45 | 1 9 | 9 56 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 14 | 1 29 | 0 30 | 15 17 | 16 5 | 16 17 | 22 5 | 15 1 | 6 57 |
| W16 | 12 41 | 11 21 | 1 4 | 21 25 | 2 43 | 23 40 | 5 38 | 23 44 | 1 11 | 10 2 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 13 | 1 29 | 0 30 | 15 17 | 16 5 | 16 17 | 22 7 | 15 1 | 6 57 |
| T 17 | 13 1 | 17 23 | 0n19 | 21 34 | 2 41 | 23 28 | 5 32 | 23 43 | 1 13 | 10 7 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 12 | 1 29 | 0 29 | 15 17 | 16 5 | 16 16 | 22 9 | 15 0 | 6 58 |
| F 18 | 13 20 | 22 22 | 1 41 | 21 41 | 2 38 | 23 15 | 5 25 | 23 42 | 1 16 | 10 12 | 1 1 | 22 27 | 0 31 | 19 45 | 0 39 | 0 11 | 1 29 | 0 29 | 15 17 | 16 5 | 16 15 | 22 11 | 15 0 | 6 58 |
| S 19 | 13 40 | 25 49 | 2 55 | 21 45 | 2 34 | 23 1 | 5 18 | 23 41 | 1 18 | 10 17 | 1 1 | 22 27 | 0 31 | 19 44 | 0 39 | 0 11 | 1 30 | 0 29 | 15 17 | 16 5 | 16 14 | 22 13 | 14 59 | 6 59 |
| S 20 | 13 59 | 27 27 | 3 56 | 21 47 | 2 29 | 22 46 | 5 11 | 23 40 | 1 21 | 10 22 | 1 1 | 22 27 | 0 31 | 19 44 | 0 39 | 0 10 | 1 30 | 0 28 | 15 17 | 16 5 | 16 13 | 22 16 | 14 59 | 7 0 |
| M21 | 14 18 | 27 10 | 4 41 | 21 47 | 2 23 | 22 29 | 5 2 | 23 38 | 1 24 | 10 27 | 1 1 | 22 27 | 0 30 | 19 44 | 0 39 | 0 9 | 1 30 | 0 28 | 15 17 | 16 6 | 16 12 | 22 18 | 14 58 | 7 0 |
| T 22 | 14 36 | 25 10 | 5 9 | 21 44 | 2 15 | 22 11 | 4 53 | 23 37 | 1 26 | 10 32 | 1 1 | 22 28 | 0 30 | 19 44 | 0 39 | 0 8 | 1 30 | 0 27 | 15 17 | 16 6 | 16 11 | 22 20 | 14 58 | 7 1 |
| W23 | 14 55 | 21 46 | 5 18 | 21 39 | 2 6 | 21 52 | 4 43 | 23 36 | 1 29 | 10 37 | 1 1 | 22 28 | 0 30 | 19 43 | 0 39 | 0 8 | 1 30 | 0 27 | 15 17 | 16 6 | 16 10 | 22 22 | 14 57 | 7 1 |
| T 24 | 15 13 | 17 20 | 5 9 | 21 31 | 1 57 | 21 32 | 4 33 | 23 35 | 1 32 | 10 42 | 1 1 | 22 28 | 0 30 | 19 43 | 0 39 | 0 7 | 1 30 | 0 26 | 15 17 | 16 6 | 16 9 | 22 24 | 14 57 | 7 2 |
| F 25 | 15 31 | 12 12 | 4 45 | 21 21 | 1 46 | 21 11 | 4 22 | 23 34 | 1 34 | 10 47 | 1 1 | 22 28 | 0 30 | 19 43 | 0 39 | 0 6 | 1 30 | 0 26 | 15 17 | 16 6 | 16 8 | 22 26 | 14 56 | 7 2 |
| S 26 | 15 48 | 6 41 | 4 8 | 21 9 | 1 34 | 20 49 | 4 10 | 23 33 | 1 37 | 10 52 | 1 1 | 22 28 | 0 30 | 19 43 | 0 39 | 0 5 | 1 30 | 0 26 | 15 17 | 16 5 | 16 7 | 22 28 | 14 56 | 7 3 |
| S 27 | 16 6 | 1 0 | 3 19 | 20 55 | 1 21 | 20 27 | 3 58 | 23 32 | 1 40 | 10 57 | 1 1 | 22 28 | 0 30 | 19 42 | 0 39 | 0 5 | 1 30 | 0 25 | 15 17 | 16 5 | 16 6 | 22 31 | 14 55 | 7 3 |
| M28 | 16 23 | 4s39 | 2 23 | 20 39 | 1 7 | 20 3 | 3 46 | 23 31 | 1 43 | 11 2 | 1 1 | 22 28 | 0 30 | 19 42 | 0 39 | 0 4 | 1 30 | 0 25 | 15 17 | 16 5 | 16 5 | 22 33 | 14 55 | 7 4 |
| T 29 | 16 40 | 10 4 | 1 20 | 20 21 | 0 52 | 19 40 | 3 33 | 23 29 | 1 46 | 11 7 | 1 1 | 22 29 | 0 30 | 19 42 | 0 39 | 0 3 | 1 30 | 0 24 | 15 17 | 16 6 | 16 4 | 22 35 | 14 54 | 7 4 |
| W30 | 16n56 | 15s 4 | 0n15 | 20n 1 | 0n37 | 19n16 | 3n20 | 23s28 | 1s49 | 11n12 | 1s 1 | 22s29 | 0n30 | 19n41 | 0n39 | 0s 3 | 1s30 | 0s24 | 15s17 | 16n 6 | 16n 3 | 22s37 | 14s54 | 7n 5 |

Julian Day Number = 2221905.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'12, Lahiri = 15°05'12 Julian Calendar 1 Apr. 1371 == Greg. Calendar 9 Apr. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## MAY 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 5 55 | 17♉50'58 | 23♏14 | 26°R 5 | 13°R21 | 22♑36 | 2♉ 3 | 11°R58 | 5♌ 6 | 3♈22 | 7♉34 | 13°R59 | 13♉49 | 3♐34 | 20°R50 | T 1 |
| F 2 | 15 9 51 | 18°48'40 | 5♐ 2 | 25♉39 | 12♉45 | 23° 0 | 2°17 | 11♑56 | 5° 7 | 3°23 | 7°35 | 13♉59 | 13°45 | 3°41 | 20♑49 | F 2 |
| S 3 | 15 13 48 | 19°46'21 | 16°51 | 25°10 | 12° 9 | 23°24 | 2°31 | 11°54 | 5° 9 | 3°25 | 7°36 | 13°58 | 13°42 | 3°47 | 20°48 | S 3 |
| S 4 | 15 17 44 | 20°44'01 | 28°42 | 24°39 | 11°35 | 23°47 | 2°45 | 11°52 | 5°10 | 3°27 | 7°38 | 13°58 | 13°39 | 3°54 | 20°47 | S 4 |
| M 5 | 15 21 41 | 21°41'40 | 10♑37 | 24° 6 | 11° 1 | 24° 9 | 2°59 | 11°50 | 5°12 | 3°29 | 7°39 | 13°57 | 13°36 | 4° 1 | 20°46 | M 5 |
| T 6 | 15 25 37 | 22°39'17 | 22°41 | 23°32 | 10°30 | 24°32 | 3°13 | 11°48 | 5°14 | 3°30 | 7°40 | 13°56 | 13°33 | 4° 7 | 20°44 | T 6 |
| W 7 | 15 29 34 | 23°36'54 | 4♒57 | 22°58 | 10° 0 | 24°54 | 3°27 | 11°46 | 5°15 | 3°32 | 7°42 | 13°55 | 13°30 | 4°14 | 20°43 | W 7 |
| T 8 | 15 33 31 | 24°34'29 | 17°29 | 22°24 | 9°32 | 25°15 | 3°41 | 11°44 | 5°17 | 3°33 | 7°43 | 13°54 | 13°26 | 4°21 | 20°42 | T 8 |
| F 9 | 15 37 27 | 25°32'04 | 0♓19 | 21°51 | 9° 6 | 25°37 | 3°54 | 11°42 | 5°19 | 3°35 | 7°44 | 13°D54 | 13°23 | 4°27 | 20°40 | F 9 |
| S 10 | 15 41 24 | 26°29'37 | 13°33 | 21°18 | 8°43 | 25°57 | 4° 8 | 11°39 | 5°21 | 3°36 | 7°46 | 13°55 | 13°20 | 4°34 | 20°39 | S 10 |
| S 11 | 15 45 20 | 27°27'10 | 27°11 | 20°48 | 8°21 | 26°17 | 4°22 | 11°37 | 5°22 | 3°38 | 7°47 | 13°55 | 13°17 | 4°40 | 20°37 | S 11 |
| M12 | 15 49 17 | 28°24'42 | 11♈16 | 20°20 | 8° 2 | 26°37 | 4°36 | 11°34 | 5°24 | 3°40 | 7°48 | 13°57 | 13°14 | 4°47 | 20°36 | M12 |
| T 13 | 15 53 13 | 29°22'13 | 25°46 | 19°55 | 7°45 | 26°57 | 4°49 | 11°32 | 5°26 | 3°41 | 7°50 | 13°58 | 13°10 | 4°54 | 20°34 | T 13 |
| W14 | 15 57 10 | 0♊19'43 | 10♉37 | 19°33 | 7°30 | 27°16 | 5° 3 | 11°29 | 5°28 | 3°42 | 7°51 | 13°R58 | 13° 7 | 5° 0 | 20°32 | W14 |
| T 15 | 16 1 6 | 1°17'12 | 25°43 | 19°14 | 7°18 | 27°34 | 5°16 | 11°26 | 5°30 | 3°44 | 7°52 | 13°58 | 13° 4 | 5° 7 | 20°31 | T 15 |
| F 16 | 16 5 3 | 2°14'40 | 10♊56 | 18°59 | 7° 8 | 27°52 | 5°30 | 11°23 | 5°32 | 3°45 | 7°53 | 13°57 | 13° 1 | 5°14 | 20°29 | F 16 |
| S 17 | 16 9 0 | 3°12'08 | 26° 4 | 18°48 | 7° 1 | 28° 9 | 5°43 | 11°20 | 5°34 | 3°47 | 7°55 | 13°55 | 12°58 | 5°20 | 20°27 | S 17 |
| S 18 | 16 12 56 | 4° 9'34 | 11♋ 0 | 18°42 | 6°56 | 28°26 | 5°57 | 11°17 | 5°37 | 3°48 | 7°56 | 13°52 | 12°55 | 5°27 | 20°25 | S 18 |
| M19 | 16 16 53 | 5° 6'59 | 25°36 | 18°D39 | 6°53 | 28°43 | 6°10 | 11°14 | 5°39 | 3°49 | 7°57 | 13°50 | 12°51 | 5°34 | 20°23 | M19 |
| T 20 | 16 20 49 | 6° 4'23 | 9♌46 | 18°41 | 6°D53 | 28°58 | 6°24 | 11°11 | 5°41 | 3°51 | 7°58 | 13°47 | 12°48 | 5°40 | 20°21 | T 20 |
| W21 | 16 24 46 | 7° 1'45 | 23°30 | 18°48 | 6°55 | 29°14 | 6°37 | 11° 8 | 5°43 | 3°52 | 8° 0 | 13°46 | 12°45 | 5°47 | 20°18 | W21 |
| T 22 | 16 28 42 | 7°59'07 | 6♍47 | 18°59 | 6°59 | 29°28 | 6°50 | 11° 5 | 5°46 | 3°53 | 8° 1 | 13°D45 | 12°42 | 5°54 | 20°16 | T 22 |
| F 23 | 16 32 39 | 8°56'27 | 19°39 | 19°15 | 7° 5 | 29°43 | 7° 3 | 11° 1 | 5°48 | 3°54 | 8° 2 | 13°45 | 12°39 | 6° 0 | 20°14 | F 23 |
| S 24 | 16 36 36 | 9°53'46 | 2♎12 | 19°35 | 7°14 | 29°56 | 7°16 | 10°58 | 5°51 | 3°55 | 8° 3 | 13°47 | 12°36 | 6° 7 | 20°12 | S 24 |
| S 25 | 16 40 32 | 10°51'05 | 14°27 | 19°59 | 7°25 | 0♒ 9 | 7°29 | 10°55 | 5°53 | 3°57 | 8° 4 | 13°48 | 12°32 | 6°14 | 20° 9 | S 25 |
| M26 | 16 44 29 | 11°48'22 | 26°31 | 20°28 | 7°38 | 0°22 | 7°43 | 10°51 | 5°55 | 3°58 | 8° 6 | 13°50 | 12°29 | 6°20 | 20° 7 | M26 |
| T 27 | 16 48 25 | 12°45'39 | 8♏25 | 21° 1 | 7°52 | 0°33 | 7°55 | 10°47 | 5°58 | 3°59 | 8° 7 | 13°R51 | 12°26 | 6°27 | 20° 4 | T 27 |
| W28 | 16 52 22 | 13°42'54 | 20°15 | 21°39 | 8° 9 | 0°45 | 8° 8 | 10°44 | 6° 1 | 4° 0 | 8° 8 | 13°51 | 12°23 | 6°34 | 20° 2 | W28 |
| T 29 | 16 56 18 | 14°40'09 | 2♐ 3 | 22°20 | 8°28 | 0°55 | 8°21 | 10°40 | 6° 3 | 4° 1 | 8° 9 | 13°49 | 12°20 | 6°40 | 19°59 | T 29 |
| F 30 | 17 0 15 | 15°37'24 | 13°52 | 23° 6 | 8°48 | 1° 5 | 8°34 | 10°36 | 6° 6 | 4° 2 | 8°10 | 13°46 | 12°16 | 6°47 | 19°57 | F 30 |
| S 31 | 17 4 11 | 16♊34'38 | 25♐44 | 23♉56 | 9♉10 | 1♒14 | 8♉47 | 10♑33 | 6♌ 9 | 4♈ 3 | 8♉11 | 13♉42 | 12♉13 | 6♐54 | 19♑54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n13 | 19s28 | 0s51 | 19n40 | 0n20 | 18n51 | 3n 6 | 23s27 | 1s52 | 11n16 | 1s 1 | 22s29 | 0n30 | 19n41 | 0n38 | 0s 2 | 1s30 | 0s24 | 15s17 | 16n 6 | 16n 2 | 22s39 | 14s54 | 7n 5 |
| F 2 | 17 29 | 23 5 | 1 54 | 19 18 | 0 4 | 18 27 | 2 52 | 23 26 | 1 55 | 11 21 | 1 1 | 22 29 | 0 30 | 19 40 | 0 38 | 0 1 | 1 30 | 0 23 | 15 17 | 16 5 | 16 1 | 22 41 | 14 53 | 7 6 |
| S 3 | 17 44 | 25 44 | 2 53 | 18 54 | 0s13 | 18 3 | 2 38 | 23 25 | 1 58 | 11 26 | 1 1 | 22 29 | 0 30 | 19 40 | 0 38 | 0 1 | 1 30 | 0 23 | 15 17 | 16 5 | 16 0 | 22 43 | 14 53 | 7 6 |
| S 4 | 18 0 | 27 14 | 3 44 | 18 30 | 0 31 | 17 38 | 2 24 | 23 25 | 2 1 | 11 31 | 1 1 | 22 30 | 0 30 | 19 40 | 0 38 | 0 0 | 1 30 | 0 23 | 15 17 | 16 5 | 15 59 | 22 45 | 14 53 | 7 7 |
| M 5 | 18 15 | 27 30 | 4 25 | 18 5 | 0 48 | 17 14 | 2 10 | 23 24 | 2 4 | 11 36 | 1 1 | 22 30 | 0 30 | 19 39 | 0 38 | 0n 1 | 1 30 | 0 22 | 15 17 | 16 5 | 15 59 | 22 47 | 14 52 | 7 7 |
| T 6 | 18 30 | 26 28 | 4 56 | 17 40 | 1 6 | 16 51 | 1 55 | 23 23 | 2 7 | 11 40 | 1 1 | 22 30 | 0 30 | 19 39 | 0 38 | 0 1 | 1 30 | 0 22 | 15 17 | 16 4 | 15 58 | 22 49 | 14 52 | 7 8 |
| W 7 | 18 44 | 24 9 | 5 13 | 17 14 | 1 23 | 16 28 | 1 41 | 23 22 | 2 11 | 11 45 | 1 1 | 22 30 | 0 30 | 19 38 | 0 38 | 0 2 | 1 30 | 0 21 | 15 17 | 16 4 | 15 57 | 22 52 | 14 52 | 7 8 |
| T 8 | 18 59 | 20 40 | 5 16 | 16 50 | 1 40 | 16 5 | 1 27 | 23 21 | 2 14 | 11 50 | 1 1 | 22 30 | 0 30 | 19 38 | 0 38 | 0 2 | 1 30 | 0 21 | 15 17 | 16 4 | 15 56 | 22 54 | 14 51 | 7 9 |
| F 9 | 19 13 | 16 8 | 5 4 | 16 25 | 1 56 | 15 44 | 1 13 | 23 21 | 2 17 | 11 54 | 1 1 | 22 31 | 0 30 | 19 38 | 0 38 | 0 3 | 1 30 | 0 21 | 15 17 | 16 4 | 15 55 | 22 56 | 14 51 | 7 9 |
| S 10 | 19 26 | 10 44 | 4 36 | 16 2 | 2 12 | 15 23 | 0 59 | 23 20 | 2 21 | 11 59 | 1 1 | 22 31 | 0 30 | 19 37 | 0 38 | 0 3 | 1 30 | 0 20 | 15 17 | 16 4 | 15 54 | 22 58 | 14 51 | 7 10 |
| S 11 | 19 40 | 4 39 | 3 51 | 15 40 | 2 27 | 15 3 | 0 45 | 23 20 | 2 24 | 12 4 | 1 1 | 22 31 | 0 30 | 19 37 | 0 38 | 0 4 | 1 30 | 0 20 | 15 17 | 16 4 | 15 53 | 23 0 | 14 51 | 7 10 |
| M12 | 19 53 | 1n51 | 2 51 | 15 19 | 2 41 | 14 44 | 0 32 | 23 19 | 2 28 | 12 8 | 1 1 | 22 31 | 0 30 | 19 36 | 0 38 | 0 5 | 1 30 | 0 20 | 15 17 | 16 5 | 15 52 | 23 2 | 14 50 | 7 11 |
| T 13 | 20 5 | 8 27 | 1 39 | 15 0 | 2 53 | 14 26 | 0 19 | 23 19 | 2 31 | 12 13 | 1 1 | 22 32 | 0 30 | 19 36 | 0 38 | 0 5 | 1 30 | 0 20 | 15 17 | 16 5 | 15 51 | 23 4 | 14 50 | 7 11 |
| W14 | 20 17 | 14 46 | 0 19 | 14 42 | 3 5 | 14 9 | 0 6 | 23 19 | 2 35 | 12 17 | 1 1 | 22 32 | 0 30 | 19 35 | 0 38 | 0 6 | 1 31 | 0 19 | 15 17 | 16 5 | 15 50 | 23 6 | 14 50 | 7 12 |
| T 15 | 20 29 | 20 18 | 1n 5 | 14 27 | 3 16 | 13 53 | 0s 7 | 23 19 | 2 39 | 12 22 | 1 1 | 22 32 | 0 30 | 19 35 | 0 38 | 0 6 | 1 31 | 0 19 | 15 18 | 16 5 | 15 49 | 23 8 | 14 50 | 7 12 |
| F 16 | 20 41 | 24 32 | 2 24 | 14 14 | 3 26 | 13 39 | 0 19 | 23 19 | 2 42 | 12 26 | 1 1 | 22 33 | 0 29 | 19 34 | 0 38 | 0 7 | 1 31 | 0 19 | 15 18 | 16 5 | 15 48 | 23 10 | 14 49 | 7 13 |
| S 17 | 20 52 | 27 0 | 3 32 | 14 3 | 3 34 | 13 25 | 0 31 | 23 19 | 2 46 | 12 31 | 1 1 | 22 33 | 0 29 | 19 33 | 0 38 | 0 7 | 1 31 | 0 18 | 15 18 | 16 4 | 15 47 | 23 12 | 14 49 | 7 13 |
| S 18 | 21 3 | 27 28 | 4 25 | 13 54 | 3 41 | 13 13 | 0 42 | 23 19 | 2 50 | 12 35 | 1 1 | 22 33 | 0 29 | 19 33 | 0 38 | 0 8 | 1 31 | 0 18 | 15 18 | 16 3 | 15 46 | 23 14 | 14 49 | 7 13 |
| M19 | 21 14 | 26 0 | 4 59 | 13 48 | 3 47 | 13 1 | 0 53 | 23 20 | 2 54 | 12 40 | 1 1 | 22 34 | 0 29 | 19 32 | 0 38 | 0 8 | 1 31 | 0 18 | 15 18 | 16 3 | 15 45 | 23 16 | 14 49 | 7 14 |
| T 20 | 21 24 | 22 54 | 5 14 | 13 44 | 3 52 | 12 51 | 1 4 | 23 20 | 2 58 | 12 44 | 1 1 | 22 34 | 0 29 | 19 32 | 0 38 | 0 9 | 1 31 | 0 18 | 15 18 | 16 2 | 15 44 | 23 18 | 14 49 | 7 14 |
| W21 | 21 34 | 18 37 | 5 11 | 13 42 | 3 56 | 12 42 | 1 14 | 23 21 | 3 2 | 12 48 | 1 1 | 22 34 | 0 29 | 19 31 | 0 38 | 0 9 | 1 31 | 0 17 | 15 18 | 16 1 | 15 43 | 23 20 | 14 49 | 7 15 |
| T 22 | 21 43 | 13 32 | 4 50 | 13 43 | 3 58 | 12 34 | 1 24 | 23 21 | 3 6 | 12 53 | 1 1 | 22 34 | 0 29 | 19 31 | 0 38 | 0 10 | 1 31 | 0 17 | 15 18 | 16 1 | 15 42 | 23 22 | 14 49 | 7 15 |
| F 23 | 21 52 | 8 1 | 4 16 | 13 45 | 3 59 | 12 27 | 1 33 | 23 22 | 3 10 | 12 57 | 1 1 | 22 35 | 0 29 | 19 30 | 0 38 | 0 10 | 1 31 | 0 17 | 15 18 | 16 1 | 15 41 | 23 24 | 14 49 | 7 16 |
| S 24 | 22 1 | 2 20 | 3 29 | 13 50 | 4 0 | 12 22 | 1 42 | 23 23 | 3 14 | 13 1 | 1 1 | 22 35 | 0 29 | 19 29 | 0 38 | 0 10 | 1 31 | 0 17 | 15 19 | 16 2 | 15 40 | 23 26 | 14 49 | 7 16 |
| S 25 | 22 9 | 3s21 | 2 35 | 13 58 | 3 59 | 12 17 | 1 51 | 23 25 | 3 18 | 13 5 | 1 1 | 22 36 | 0 29 | 19 29 | 0 38 | 0 11 | 1 31 | 0 16 | 15 19 | 16 2 | 15 39 | 23 28 | 14 49 | 7 16 |
| M26 | 22 17 | 8 48 | 1 34 | 14 7 | 3 57 | 12 13 | 1 59 | 23 26 | 3 22 | 13 10 | 1 2 | 22 36 | 0 29 | 19 28 | 0 38 | 0 11 | 1 31 | 0 16 | 15 19 | 16 3 | 15 38 | 23 30 | 14 49 | 7 17 |
| T 27 | 22 24 | 13 54 | 0 30 | 14 18 | 3 55 | 12 11 | 2 7 | 23 27 | 3 26 | 13 14 | 1 2 | 22 36 | 0 29 | 19 27 | 0 38 | 0 12 | 1 31 | 0 16 | 15 19 | 16 3 | 15 37 | 23 32 | 14 48 | 7 17 |
| W28 | 22 32 | 18 26 | 0s35 | 14 31 | 3 51 | 12 9 | 2 15 | 23 29 | 3 31 | 13 18 | 1 2 | 22 37 | 0 29 | 19 27 | 0 38 | 0 12 | 1 31 | 0 16 | 15 19 | 16 3 | 15 36 | 23 34 | 14 48 | 7 17 |
| T 29 | 22 38 | 22 15 | 1 38 | 14 46 | 3 47 | 12 8 | 2 22 | 23 31 | 3 35 | 13 22 | 1 2 | 22 37 | 0 29 | 19 26 | 0 38 | 0 12 | 1 31 | 0 16 | 15 19 | 16 3 | 15 35 | 23 36 | 14 49 | 7 18 |
| F 30 | 22 45 | 25 8 | 2 37 | 15 2 | 3 42 | 12 8 | 2 28 | 23 33 | 3 39 | 13 26 | 1 2 | 22 37 | 0 29 | 19 25 | 0 38 | 0 13 | 1 31 | 0 15 | 15 20 | 16 2 | 15 34 | 23 38 | 14 49 | 7 18 |
| S 31 | 22n51 | 26s56 | 3s29 | 15n20 | 3s36 | 12n 9 | 2s35 | 23s35 | 3s44 | 13n30 | 1s 2 | 22s38 | 0n29 | 19n25 | 0n38 | 0n13 | 1s31 | 0s15 | 15s20 | 16n 0 | 15n33 | 23s39 | 14s49 | 7n18 |

Julian Day Number = 2221935.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'16, Lahiri = 15°05'16 Julian Calendar 1 May 1371 == Greg. Calendar 9 May 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## JUNE 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 8 8 | 17♊31'51 | 7♑40 | 24♉49 | 9♉34 | 1♒23 | 8♉59 | 10°R29 | 6♌11 | 4♈ 4 | 8♉12 | 13°R37 | 12♉10 | 7♐ 0 | 19°R51 | S 1 |
| M 2 | 17 12 5 | 18°29'04 | 19°43 | 25°47 | 10° 0 | 1°31 | 9°12 | 10♑25 | 6°14 | 4° 5 | 8°13 | 13♉31 | 12° 7 | 7° 7 | 19♑48 | M 2 |
| T 3 | 17 16 1 | 19°26'17 | 1♒54 | 26°48 | 10°27 | 1°38 | 9°24 | 10°21 | 6°17 | 4° 6 | 8°14 | 13°25 | 12° 4 | 7°14 | 19°45 | T 3 |
| W 4 | 17 19 58 | 20°23'29 | 14°17 | 27°53 | 10°56 | 1°45 | 9°37 | 10°17 | 6°20 | 4° 6 | 8°16 | 13°19 | 12° 1 | 7°20 | 19°43 | W 4 |
| T 5 | 17 23 54 | 21°20'41 | 26°52 | 29° 2 | 11°26 | 1°50 | 9°49 | 10°13 | 6°22 | 4° 7 | 8°17 | 13°15 | 11°57 | 7°27 | 19°40 | T 5 |
| F 6 | 17 27 51 | 22°17'53 | 9♓43 | 0♊14 | 11°57 | 1°56 | 10° 2 | 10° 9 | 6°25 | 4° 8 | 8°18 | 13°13 | 11°54 | 7°34 | 19°37 | F 6 |
| S 7 | 17 31 47 | 23°15'05 | 22°53 | 1°30 | 12°30 | 2° 0 | 10°14 | 10° 5 | 6°28 | 4° 9 | 8°19 | 13°D12 | 11°51 | 7°40 | 19°34 | S 7 |
| S 8 | 17 35 44 | 24°12'17 | 6♈24 | 2°49 | 13° 5 | 2° 4 | 10°26 | 10° 1 | 6°31 | 4°10 | 8°20 | 13°13 | 11°48 | 7°47 | 19°31 | S 8 |
| M 9 | 17 39 40 | 25° 9'29 | 20°18 | 4°12 | 13°40 | 2° 6 | 10°38 | 9°56 | 6°34 | 4°10 | 8°21 | 13°14 | 11°45 | 7°54 | 19°28 | M 9 |
| T 10 | 17 43 37 | 26° 6'41 | 4♉35 | 5°39 | 14°17 | 2° 8 | 10°50 | 9°52 | 6°37 | 4°11 | 8°22 | 13°15 | 11°42 | 8° 0 | 19°25 | T 10 |
| W11 | 17 47 34 | 27° 3'53 | 19°15 | 7° 8 | 14°55 | 2°10 | 11° 2 | 9°48 | 6°40 | 4°12 | 8°23 | 13°R15 | 11°38 | 8° 7 | 19°21 | W11 |
| T 12 | 17 51 30 | 28° 1'05 | 4♊11 | 8°42 | 15°34 | 2°R10 | 11°14 | 9°44 | 6°43 | 4°12 | 8°24 | 13°13 | 11°35 | 8°14 | 19°18 | T 12 |
| F 13 | 17 55 27 | 28°58'17 | 19°18 | 10°18 | 16°14 | 2°10 | 11°26 | 9°39 | 6°46 | 4°13 | 8°24 | 13°10 | 11°32 | 8°20 | 19°15 | F 13 |
| S 14 | 17 59 23 | 29°55'29 | 4♋27 | 11°58 | 16°55 | 2° 9 | 11°37 | 9°35 | 6°50 | 4°13 | 8°25 | 13° 4 | 11°29 | 8°27 | 19°12 | S 14 |
| S 15 | 18 3 20 | 0♋52'41 | 19°27 | 13°41 | 17°37 | 2° 8 | 11°49 | 9°31 | 6°53 | 4°14 | 8°26 | 12°57 | 11°26 | 8°34 | 19° 9 | S 15 |
| M16 | 18 7 16 | 1°49'53 | 4♌10 | 15°27 | 18°20 | 2° 5 | 12° 1 | 9°26 | 6°56 | 4°14 | 8°27 | 12°50 | 11°22 | 8°40 | 19° 5 | M16 |
| T 17 | 18 11 13 | 2°47'05 | 18°28 | 17°16 | 19° 4 | 2° 2 | 12°12 | 9°22 | 6°59 | 4°15 | 8°28 | 12°43 | 11°19 | 8°47 | 19° 2 | T 17 |
| W18 | 18 15 9 | 3°44'16 | 2♍19 | 19° 8 | 19°49 | 1°58 | 12°23 | 9°18 | 7° 2 | 4°15 | 8°29 | 12°38 | 11°16 | 8°54 | 18°59 | W18 |
| T 19 | 18 19 6 | 4°41'28 | 15°40 | 21° 3 | 20°35 | 1°53 | 12°35 | 9°13 | 7° 6 | 4°15 | 8°30 | 12°34 | 11°13 | 9° 0 | 18°55 | T 19 |
| F 20 | 18 23 3 | 5°38'38 | 28°35 | 23° 0 | 21°21 | 1°47 | 12°46 | 9° 9 | 7° 9 | 4°16 | 8°31 | 12°32 | 11°10 | 9° 7 | 18°52 | F 20 |
| S 21 | 18 26 59 | 6°35'49 | 11♎ 7 | 25° 0 | 22° 9 | 1°41 | 12°57 | 9° 4 | 7°12 | 4°16 | 8°31 | 12°D32 | 11° 7 | 9°14 | 18°48 | S 21 |
| S 22 | 18 30 56 | 7°33'00 | 23°20 | 27° 2 | 22°57 | 1°34 | 13° 8 | 9° 0 | 7°16 | 4°16 | 8°32 | 12°33 | 11° 3 | 9°20 | 18°45 | S 22 |
| M23 | 18 34 52 | 8°30'10 | 5♏20 | 29° 5 | 23°45 | 1°27 | 13°19 | 8°56 | 7°19 | 4°17 | 8°33 | 12°34 | 11° 0 | 9°27 | 18°42 | M23 |
| T 24 | 18 38 49 | 9°27'21 | 17°12 | 1♋11 | 24°35 | 1°18 | 13°30 | 8°51 | 7°22 | 4°17 | 8°34 | 12°R34 | 10°57 | 9°34 | 18°38 | T 24 |
| W25 | 18 42 45 | 10°24'32 | 29° 0 | 3°17 | 25°25 | 1° 9 | 13°40 | 8°47 | 7°26 | 4°17 | 8°34 | 12°32 | 10°54 | 9°40 | 18°35 | W25 |
| T 26 | 18 46 42 | 11°21'43 | 10♐48 | 5°25 | 26°16 | 1° 0 | 13°51 | 8°42 | 7°29 | 4°17 | 8°35 | 12°29 | 10°51 | 9°47 | 18°31 | T 26 |
| F 27 | 18 50 38 | 12°18'54 | 22°39 | 7°33 | 27° 7 | 0°50 | 14° 1 | 8°38 | 7°33 | 4°17 | 8°36 | 12°23 | 10°48 | 9°53 | 18°28 | F 27 |
| S 28 | 18 54 35 | 13°16'05 | 4♑37 | 9°42 | 27°59 | 0°39 | 14°12 | 8°34 | 7°36 | 4°17 | 8°37 | 12°14 | 10°44 | 10° 0 | 18°24 | S 28 |
| S 29 | 18 58 32 | 14°13'17 | 16°42 | 11°51 | 28°52 | 0°27 | 14°22 | 8°29 | 7°39 | 4°17 | 8°37 | 12° 4 | 10°41 | 10° 7 | 18°21 | S 29 |
| M30 | 19 2 28 | 15♋10'29 | 28♑57 | 13♋59 | 29♉45 | 0♒15 | 14♉32 | 8♑25 | 7♌43 | 4°R17 | 8♉38 | 11♉53 | 10♉38 | 10♐13 | 18♑17 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 27s30 | 4s12 | 15n39 | 3s29 | 12n11 | 2s41 | 23s37 | 3s48 | 13n34 | 1s 2 | 22s38 | 0n29 | 19n24 | 0n38 | 0n13 | 1s31 | 0s15 | 15s20 | 15n59 | 15n32 | 23s41 | 14s49 | 7n19 |
| M 2 | 23 1 | 26 46 | 4 45 | 16 0 | 3 22 | 12 14 | 2 46 | 23 40 | 3 52 | 13 38 | 1 2 | 22 38 | 0 28 | 19 23 | 0 38 | 0 14 | 1 32 | 0 15 | 15 20 | 15 57 | 15 31 | 23 43 | 14 49 | 7 19 |
| T 3 | 23 6 | 24 45 | 5 5 | 16 21 | 3 14 | 12 17 | 2 52 | 23 43 | 3 57 | 13 42 | 1 2 | 22 39 | 0 28 | 19 23 | 0 38 | 0 14 | 1 32 | 0 15 | 15 20 | 15 55 | 15 31 | 23 45 | 14 49 | 7 19 |
| W 4 | 23 10 | 21 33 | 5 11 | 16 44 | 3 6 | 12 21 | 2 57 | 23 46 | 4 1 | 13 46 | 1 2 | 22 39 | 0 28 | 19 22 | 0 38 | 0 14 | 1 32 | 0 15 | 15 20 | 15 54 | 15 30 | 23 47 | 14 49 | 7 20 |
| T 5 | 23 14 | 17 19 | 5 2 | 17 8 | 2 57 | 12 26 | 3 2 | 23 49 | 4 6 | 13 50 | 1 2 | 22 40 | 0 28 | 19 21 | 0 38 | 0 15 | 1 32 | 0 14 | 15 21 | 15 52 | 15 29 | 23 49 | 14 49 | 7 20 |
| F 6 | 23 18 | 12 15 | 4 38 | 17 33 | 2 47 | 12 32 | 3 6 | 23 52 | 4 10 | 13 54 | 1 2 | 22 40 | 0 28 | 19 20 | 0 38 | 0 15 | 1 32 | 0 14 | 15 21 | 15 52 | 15 28 | 23 51 | 14 49 | 7 20 |
| S 7 | 23 21 | 6 30 | 4 0 | 17 58 | 2 37 | 12 38 | 3 10 | 23 55 | 4 15 | 13 57 | 1 2 | 22 40 | 0 28 | 19 20 | 0 38 | 0 15 | 1 32 | 0 14 | 15 21 | 15 51 | 15 27 | 23 53 | 14 49 | 7 21 |
| S 8 | 23 24 | 0 18 | 3 7 | 18 24 | 2 27 | 12 44 | 3 14 | 23 59 | 4 19 | 14 1 | 1 2 | 22 41 | 0 28 | 19 19 | 0 38 | 0 15 | 1 32 | 0 14 | 15 21 | 15 51 | 15 26 | 23 55 | 14 49 | 7 21 |
| M 9 | 23 26 | 6n 5 | 2 1 | 18 50 | 2 16 | 12 52 | 3 17 | 24 3 | 4 24 | 14 5 | 1 2 | 22 41 | 0 28 | 19 18 | 0 38 | 0 15 | 1 32 | 0 14 | 15 21 | 15 52 | 15 25 | 23 57 | 14 50 | 7 21 |
| T 10 | 23 28 | 12 22 | 0 47 | 19 16 | 2 5 | 12 59 | 3 21 | 24 7 | 4 29 | 14 8 | 1 2 | 22 41 | 0 28 | 19 17 | 0 38 | 0 16 | 1 32 | 0 14 | 15 22 | 15 52 | 15 24 | 23 58 | 14 50 | 7 21 |
| W11 | 23 29 | 18 7 | 0n32 | 19 43 | 1 53 | 13 7 | 3 24 | 24 11 | 4 33 | 14 12 | 1 2 | 22 42 | 0 28 | 19 17 | 0 38 | 0 16 | 1 32 | 0 14 | 15 22 | 15 52 | 15 23 | 24 0 | 14 50 | 7 22 |
| T 12 | 23 30 | 22 52 | 1 51 | 20 9 | 1 42 | 13 16 | 3 26 | 24 15 | 4 38 | 14 16 | 1 2 | 22 42 | 0 28 | 19 16 | 0 38 | 0 16 | 1 32 | 0 14 | 15 22 | 15 52 | 15 22 | 24 2 | 14 50 | 7 22 |
| F 13 | 23 31 | 26 7 | 3 2 | 20 35 | 1 30 | 13 25 | 3 29 | 24 20 | 4 42 | 14 19 | 1 3 | 22 43 | 0 28 | 19 15 | 0 38 | 0 16 | 1 32 | 0 14 | 15 22 | 15 51 | 15 21 | 24 4 | 14 50 | 7 22 |
| S 14 | 23 31 | 27 28 | 4 1 | 21 1 | 1 18 | 13 35 | 3 31 | 24 24 | 4 47 | 14 23 | 1 3 | 22 43 | 0 28 | 19 14 | 0 38 | 0 16 | 1 32 | 0 14 | 15 22 | 15 49 | 15 20 | 24 6 | 14 50 | 7 22 |
| S 15 | 23 31 | 26 46 | 4 42 | 21 26 | 1 6 | 13 44 | 3 33 | 24 29 | 4 52 | 14 26 | 1 3 | 22 43 | 0 28 | 19 13 | 0 37 | 0 17 | 1 32 | 0 13 | 15 23 | 15 47 | 15 19 | 24 8 | 14 51 | 7 23 |
| M16 | 23 31 | 24 12 | 5 4 | 21 50 | 0 53 | 13 54 | 3 35 | 24 34 | 4 56 | 14 30 | 1 3 | 22 44 | 0 27 | 19 13 | 0 37 | 0 17 | 1 32 | 0 13 | 15 23 | 15 45 | 15 18 | 24 10 | 14 51 | 7 23 |
| T 17 | 23 30 | 20 11 | 5 6 | 22 14 | 0 41 | 14 5 | 3 36 | 24 39 | 5 1 | 14 33 | 1 3 | 22 44 | 0 27 | 19 12 | 0 37 | 0 17 | 1 32 | 0 13 | 15 23 | 15 43 | 15 17 | 24 11 | 14 51 | 7 23 |
| W18 | 23 28 | 15 11 | 4 50 | 22 36 | 0 29 | 14 16 | 3 38 | 24 45 | 5 5 | 14 37 | 1 3 | 22 45 | 0 27 | 19 11 | 0 37 | 0 17 | 1 32 | 0 13 | 15 23 | 15 41 | 15 16 | 24 13 | 14 52 | 7 23 |
| T 19 | 23 26 | 9 38 | 4 18 | 22 56 | 0 17 | 14 27 | 3 39 | 24 50 | 5 10 | 14 40 | 1 3 | 22 45 | 0 27 | 19 10 | 0 37 | 0 17 | 1 33 | 0 13 | 15 24 | 15 40 | 15 15 | 24 15 | 14 52 | 7 23 |
| F 20 | 23 24 | 3 50 | 3 34 | 23 15 | 0 6 | 14 38 | 3 40 | 24 56 | 5 14 | 14 43 | 1 3 | 22 45 | 0 27 | 19 9 | 0 37 | 0 17 | 1 33 | 0 13 | 15 24 | 15 39 | 15 14 | 24 17 | 14 52 | 7 23 |
| S 21 | 23 21 | 1s57 | 2 41 | 23 32 | 0n 6 | 14 49 | 3 40 | 25 1 | 5 18 | 14 47 | 1 3 | 22 46 | 0 27 | 19 8 | 0 37 | 0 17 | 1 33 | 0 13 | 15 24 | 15 39 | 15 13 | 24 19 | 14 52 | 7 24 |
| S 22 | 23 18 | 7 32 | 1 42 | 23 46 | 0 17 | 15 1 | 3 41 | 25 7 | 5 23 | 14 50 | 1 3 | 22 46 | 0 27 | 19 7 | 0 37 | 0 17 | 1 33 | 0 13 | 15 24 | 15 39 | 15 12 | 24 21 | 14 53 | 7 24 |
| M23 | 23 15 | 12 44 | 0 39 | 23 59 | 0 28 | 15 12 | 3 41 | 25 13 | 5 27 | 14 53 | 1 3 | 22 46 | 0 27 | 19 7 | 0 37 | 0 17 | 1 33 | 0 13 | 15 25 | 15 40 | 15 11 | 24 22 | 14 53 | 7 24 |
| T 24 | 23 11 | 17 25 | 0s25 | 24 9 | 0 38 | 15 24 | 3 41 | 25 19 | 5 31 | 14 56 | 1 3 | 22 47 | 0 27 | 19 6 | 0 37 | 0 17 | 1 33 | 0 13 | 15 25 | 15 40 | 15 10 | 24 24 | 14 53 | 7 24 |
| W25 | 23 7 | 21 25 | 1 27 | 24 16 | 0 47 | 15 36 | 3 41 | 25 25 | 5 35 | 14 59 | 1 4 | 22 47 | 0 27 | 19 5 | 0 37 | 0 17 | 1 33 | 0 13 | 15 25 | 15 39 | 15 9 | 24 26 | 14 54 | 7 24 |
| T 26 | 23 2 | 24 32 | 2 25 | 24 21 | 0 56 | 15 48 | 3 41 | 25 31 | 5 39 | 15 2 | 1 4 | 22 48 | 0 27 | 19 4 | 0 37 | 0 17 | 1 33 | 0 13 | 15 25 | 15 38 | 15 8 | 24 28 | 14 54 | 7 24 |
| F 27 | 22 57 | 26 36 | 3 17 | 24 23 | 1 5 | 16 0 | 3 41 | 25 37 | 5 43 | 15 5 | 1 4 | 22 48 | 0 26 | 19 3 | 0 37 | 0 17 | 1 33 | 0 13 | 15 26 | 15 36 | 15 7 | 24 29 | 14 54 | 7 24 |
| S 28 | 22 52 | 27 27 | 4 1 | 24 22 | 1 12 | 16 12 | 3 40 | 25 44 | 5 47 | 15 8 | 1 4 | 22 48 | 0 26 | 19 2 | 0 37 | 0 17 | 1 33 | 0 13 | 15 26 | 15 34 | 15 6 | 24 31 | 14 55 | 7 24 |
| S 29 | 22 46 | 27 1 | 4 34 | 24 19 | 1 19 | 16 24 | 3 39 | 25 50 | 5 51 | 15 11 | 1 4 | 22 49 | 0 26 | 19 1 | 0 37 | 0 17 | 1 33 | 0 13 | 15 26 | 15 31 | 15 5 | 24 33 | 14 55 | 7 24 |
| M30 | 22n39 | 25s15 | 4s55 | 24n12 | 1n26 | 16n37 | 3s39 | 25s56 | 5s55 | 15n14 | 1s 4 | 22s49 | 0n26 | 19n 0 | 0n37 | 0n17 | 1s33 | 0s13 | 15s26 | 15n27 | 15n 4 | 24s35 | 14s56 | 7n24 |

Julian Day Number = 2221966.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'20, Lahiri = 15°05'21 Julian Calendar 1 June 1371 == Greg. Calendar 9 June 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## JULY 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 6 25 | 16♋ 7'41 | 11♒21 | 16♋ 8 | 0♊39 | 0°R 3 | 14♉42 | 8°R20 | 7♌46 | 4°R17 | 8♉38 | 11°R42 | 10♉35 | 10♐20 | 18°R14 | T 1 |
| W 2 | 19 10 21 | 17° 4'54 | 23°56 | 18°15 | 1°34 | 29♏50 | 14°52 | 8♏16 | 7°50 | 4♈17 | 8°39 | 11♉31 | 10°32 | 10°27 | 18♏10 | W 2 |
| T 3 | 19 14 18 | 18° 2'08 | 6♓43 | 20°22 | 2°29 | 29°36 | 15° 2 | 8°12 | 7°54 | 4°17 | 8°40 | 11°23 | 10°28 | 10°33 | 18° 7 | T 3 |
| F 4 | 19 18 14 | 18°59'22 | 19°43 | 22°28 | 3°24 | 29°22 | 15°12 | 8° 7 | 7°57 | 4°17 | 8°40 | 11°17 | 10°25 | 10°40 | 18° 3 | F 4 |
| S 5 | 19 22 11 | 19°56'38 | 2♈56 | 24°32 | 4°20 | 29° 8 | 15°22 | 8° 3 | 8° 1 | 4°17 | 8°41 | 11°14 | 10°22 | 10°47 | 18° 0 | S 5 |
| S 6 | 19 26 8 | 20°53'54 | 16°26 | 26°36 | 5°16 | 28°53 | 15°31 | 7°59 | 8° 4 | 4°17 | 8°41 | 11°D13 | 10°19 | 10°53 | 17°56 | S 6 |
| M 7 | 19 30 4 | 21°51'11 | 0♉12 | 28°38 | 6°13 | 28°38 | 15°41 | 7°55 | 8° 8 | 4°17 | 8°42 | 11°13 | 10°16 | 11° 0 | 17°53 | M 7 |
| T 8 | 19 34 1 | 22°48'29 | 14°17 | 0♌38 | 7°10 | 28°22 | 15°50 | 7°50 | 8°11 | 4°16 | 8°42 | 11°R13 | 10°13 | 11° 7 | 17°49 | T 8 |
| W 9 | 19 37 57 | 23°45'48 | 28°41 | 2°37 | 8° 8 | 28° 7 | 15°59 | 7°46 | 8°15 | 4°16 | 8°43 | 11°12 | 10° 9 | 11°13 | 17°46 | W 9 |
| T 10 | 19 41 54 | 24°43'08 | 13♊19 | 4°34 | 9° 6 | 27°51 | 16° 8 | 7°42 | 8°19 | 4°16 | 8°43 | 11° 9 | 10° 6 | 11°20 | 17°42 | T 10 |
| F 11 | 19 45 50 | 25°40'29 | 28° 9 | 6°30 | 10° 5 | 27°35 | 16°17 | 7°38 | 8°22 | 4°15 | 8°44 | 11° 3 | 10° 3 | 11°27 | 17°39 | F 11 |
| S 12 | 19 49 47 | 26°37'52 | 13♋ 3 | 8°24 | 11° 3 | 27°18 | 16°26 | 7°34 | 8°26 | 4°15 | 8°44 | 10°55 | 10° 0 | 11°33 | 17°35 | S 12 |
| S 13 | 19 53 43 | 27°35'15 | 27°52 | 10°17 | 12° 3 | 27° 2 | 16°34 | 7°30 | 8°30 | 4°15 | 8°45 | 10°45 | 9°57 | 11°40 | 17°32 | S 13 |
| M14 | 19 57 40 | 28°32'39 | 12♌28 | 12° 8 | 13° 2 | 26°46 | 16°43 | 7°26 | 8°33 | 4°14 | 8°45 | 10°34 | 9°54 | 11°47 | 17°28 | M14 |
| T 15 | 20 1 37 | 29°30'03 | 26°44 | 13°57 | 14° 2 | 26°29 | 16°51 | 7°22 | 8°37 | 4°14 | 8°45 | 10°23 | 9°50 | 11°53 | 17°25 | T 15 |
| W16 | 20 5 33 | 0♌27'28 | 10♍35 | 15°44 | 15° 3 | 26°13 | 17° 0 | 7°18 | 8°41 | 4°13 | 8°46 | 10°14 | 9°47 | 12° 0 | 17°21 | W16 |
| T 17 | 20 9 30 | 1°24'54 | 23°58 | 17°30 | 16° 3 | 25°57 | 17° 8 | 7°14 | 8°44 | 4°13 | 8°46 | 10° 8 | 9°44 | 12° 7 | 17°18 | T 17 |
| F 18 | 20 13 26 | 2°22'21 | 6♎55 | 19°15 | 17° 4 | 25°41 | 17°16 | 7°10 | 8°48 | 4°12 | 8°46 | 10° 3 | 9°41 | 12°13 | 17°15 | F 18 |
| S 19 | 20 17 23 | 3°19'49 | 19°29 | 20°57 | 18° 5 | 25°26 | 17°24 | 7° 7 | 8°52 | 4°12 | 8°47 | 10° 1 | 9°38 | 12°20 | 17°11 | S 19 |
| S 20 | 20 21 19 | 4°17'17 | 1♏43 | 22°38 | 19° 7 | 25°10 | 17°31 | 7° 3 | 8°56 | 4°11 | 8°47 | 10° 1 | 9°34 | 12°27 | 17° 8 | S 20 |
| M21 | 20 25 16 | 5°14'46 | 13°43 | 24°18 | 20° 9 | 24°55 | 17°39 | 6°59 | 8°59 | 4°10 | 8°47 | 10° 1 | 9°31 | 12°33 | 17° 5 | M21 |
| T 22 | 20 29 12 | 6°12'16 | 25°35 | 25°56 | 21°11 | 24°40 | 17°46 | 6°56 | 9° 3 | 4°10 | 8°47 | 10° 0 | 9°28 | 12°40 | 17° 2 | T 22 |
| W23 | 20 33 9 | 7° 9'47 | 7♐23 | 27°32 | 22°13 | 24°26 | 17°54 | 6°52 | 9° 7 | 4° 9 | 8°47 | 9°58 | 9°25 | 12°47 | 16°58 | W23 |
| T 24 | 20 37 6 | 8° 7'18 | 19°13 | 29° 6 | 23°16 | 24°12 | 18° 1 | 6°49 | 9°10 | 4° 8 | 8°48 | 9°53 | 9°22 | 12°53 | 16°55 | T 24 |
| F 25 | 20 41 2 | 9° 4'51 | 1♑ 9 | 0♍40 | 24°19 | 23°59 | 18° 8 | 6°45 | 9°14 | 4° 7 | 8°48 | 9°46 | 9°19 | 13° 0 | 16°52 | F 25 |
| S 26 | 20 44 59 | 10° 2'25 | 13°14 | 2°11 | 25°22 | 23°46 | 18°15 | 6°42 | 9°18 | 4° 7 | 8°48 | 9°36 | 9°15 | 13° 7 | 16°49 | S 26 |
| S 27 | 20 48 55 | 11° 0'00 | 25°30 | 3°41 | 26°26 | 23°34 | 18°21 | 6°39 | 9°22 | 4° 6 | 8°48 | 9°24 | 9°12 | 13°14 | 16°46 | S 27 |
| M28 | 20 52 52 | 11°57'36 | 7♒58 | 5° 9 | 27°30 | 23°22 | 18°28 | 6°36 | 9°25 | 4° 5 | 8°48 | 9°11 | 9° 9 | 13°20 | 16°43 | M28 |
| T 29 | 20 56 48 | 12°55'13 | 20°39 | 6°36 | 28°34 | 23°10 | 18°34 | 6°32 | 9°29 | 4° 4 | 8°48 | 8°58 | 9° 6 | 13°27 | 16°40 | T 29 |
| W30 | 21 0 45 | 13°52'52 | 3♓33 | 8° 1 | 29°38 | 23° 0 | 18°40 | 6°29 | 9°33 | 4° 3 | 8°48 | 8°46 | 9° 3 | 13°34 | 16°37 | W30 |
| T 31 | 21 4 41 | 14♌50'32 | 16♓38 | 9♍24 | 0♋42 | 22♏50 | 18♉46 | 6♏26 | 9♌36 | 4♈ 2 | 8♉48 | 8♉36 | 9♉ 0 | 13♐40 | 16♏34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n33 | 22s17 | 5s 3 | 24n 3 | 1n31 | 16n49 | 3s38 | 26s 2 | 5s58 | 15n17 | 1s 4 | 22s49 | 0n26 | 18n59 | 0n37 | 0n17 | 1s33 | 0s14 | 15s27 | 15n24 | 15n 3 | 24s36 | 14s56 | 7n24 |
| W 2 | 22 26 | 18 14 | 4 56 | 23 51 | 1 36 | 17 1 | 3 36 | 26 8 | 6 2 | 15 20 | 1 4 | 22 50 | 0 26 | 18 58 | 0 37 | 0 17 | 1 33 | 0 14 | 15 27 | 15 21 | 15 2 | 24 38 | 14 57 | 7 24 |
| T 3 | 22 18 | 13 19 | 4 34 | 23 37 | 1 40 | 17 13 | 3 35 | 26 15 | 6 5 | 15 23 | 1 4 | 22 50 | 0 26 | 18 58 | 0 37 | 0 17 | 1 33 | 0 14 | 15 27 | 15 18 | 15 1 | 24 40 | 14 57 | 7 24 |
| F 4 | 22 10 | 7 44 | 3 58 | 23 20 | 1 43 | 17 25 | 3 34 | 26 21 | 6 8 | 15 25 | 1 4 | 22 51 | 0 26 | 18 57 | 0 37 | 0 17 | 1 33 | 0 14 | 15 27 | 15 16 | 15 0 | 24 42 | 14 57 | 7 24 |
| S 5 | 22 2 | 1 43 | 3 9 | 23 1 | 1 45 | 17 36 | 3 32 | 26 27 | 6 11 | 15 28 | 1 5 | 22 51 | 0 26 | 18 56 | 0 37 | 0 17 | 1 33 | 0 14 | 15 28 | 15 15 | 14 59 | 24 43 | 14 58 | 7 24 |
| S 6 | 21 54 | 4n31 | 2 8 | 22 40 | 1 47 | 17 48 | 3 31 | 26 33 | 6 14 | 15 31 | 1 5 | 22 51 | 0 26 | 18 55 | 0 37 | 0 17 | 1 33 | 0 14 | 15 28 | 15 15 | 14 58 | 24 45 | 14 58 | 7 24 |
| M 7 | 21 45 | 10 41 | 0 58 | 22 16 | 1 48 | 17 59 | 3 29 | 26 39 | 6 16 | 15 33 | 1 5 | 22 52 | 0 26 | 18 54 | 0 37 | 0 17 | 1 34 | 0 14 | 15 28 | 15 15 | 14 57 | 24 47 | 14 59 | 7 24 |
| T 8 | 21 35 | 16 27 | 0n16 | 21 51 | 1 48 | 18 11 | 3 27 | 26 44 | 6 19 | 15 36 | 1 5 | 22 52 | 0 25 | 18 53 | 0 37 | 0 16 | 1 34 | 0 14 | 15 29 | 15 15 | 14 56 | 24 48 | 14 59 | 7 24 |
| W 9 | 21 25 | 21 25 | 1 31 | 21 24 | 1 48 | 18 22 | 3 25 | 26 50 | 6 21 | 15 39 | 1 5 | 22 52 | 0 25 | 18 52 | 0 37 | 0 16 | 1 34 | 0 14 | 15 29 | 15 15 | 14 55 | 24 50 | 15 0 | 7 24 |
| T 10 | 21 15 | 25 9 | 2 41 | 20 55 | 1 47 | 18 33 | 3 23 | 26 55 | 6 24 | 15 41 | 1 5 | 22 53 | 0 25 | 18 51 | 0 37 | 0 16 | 1 34 | 0 14 | 15 29 | 15 14 | 14 54 | 24 52 | 15 0 | 7 24 |
| F 11 | 21 5 | 27 12 | 3 42 | 20 25 | 1 46 | 18 44 | 3 21 | 27 1 | 6 26 | 15 44 | 1 5 | 22 53 | 0 25 | 18 50 | 0 37 | 0 16 | 1 34 | 0 15 | 15 29 | 15 12 | 14 53 | 24 54 | 15 1 | 7 24 |
| S 12 | 20 54 | 27 18 | 4 27 | 19 53 | 1 43 | 18 54 | 3 18 | 27 6 | 6 27 | 15 46 | 1 5 | 22 53 | 0 25 | 18 49 | 0 37 | 0 16 | 1 34 | 0 15 | 15 30 | 15 9 | 14 52 | 24 55 | 15 1 | 7 24 |
| S 13 | 20 43 | 25 27 | 4 54 | 19 21 | 1 41 | 19 5 | 3 16 | 27 11 | 6 29 | 15 48 | 1 5 | 22 54 | 0 25 | 18 48 | 0 37 | 0 15 | 1 34 | 0 15 | 15 30 | 15 6 | 14 51 | 24 57 | 15 2 | 7 24 |
| M14 | 20 31 | 21 56 | 5 1 | 18 47 | 1 37 | 19 15 | 3 13 | 27 15 | 6 30 | 15 51 | 1 6 | 22 54 | 0 25 | 18 47 | 0 37 | 0 15 | 1 34 | 0 15 | 15 30 | 15 3 | 14 50 | 24 59 | 15 2 | 7 24 |
| T 15 | 20 20 | 17 10 | 4 49 | 18 12 | 1 34 | 19 25 | 3 11 | 27 20 | 6 32 | 15 53 | 1 6 | 22 54 | 0 25 | 18 46 | 0 37 | 0 15 | 1 34 | 0 15 | 15 31 | 14 59 | 14 49 | 25 0 | 15 3 | 7 24 |
| W16 | 20 7 | 11 38 | 4 21 | 17 36 | 1 30 | 19 34 | 3 8 | 27 24 | 6 33 | 15 55 | 1 6 | 22 55 | 0 25 | 18 45 | 0 37 | 0 15 | 1 34 | 0 15 | 15 31 | 14 56 | 14 48 | 25 2 | 15 3 | 7 24 |
| T 17 | 19 55 | 5 44 | 3 38 | 16 59 | 1 25 | 19 43 | 3 5 | 27 28 | 6 34 | 15 57 | 1 6 | 22 55 | 0 25 | 18 44 | 0 37 | 0 14 | 1 34 | 0 16 | 15 31 | 14 54 | 14 47 | 25 4 | 15 4 | 7 24 |
| F 18 | 19 42 | 0s13 | 2 46 | 16 22 | 1 20 | 19 52 | 3 2 | 27 32 | 6 34 | 15 59 | 1 6 | 22 55 | 0 24 | 18 43 | 0 37 | 0 14 | 1 34 | 0 16 | 15 31 | 14 53 | 14 46 | 25 5 | 15 4 | 7 23 |
| S 19 | 19 29 | 6 0 | 1 47 | 15 44 | 1 14 | 20 1 | 2 59 | 27 36 | 6 35 | 16 2 | 1 6 | 22 56 | 0 24 | 18 42 | 0 37 | 0 14 | 1 34 | 0 16 | 15 32 | 14 52 | 14 45 | 25 7 | 15 5 | 7 23 |
| S 20 | 19 15 | 11 25 | 0 44 | 15 6 | 1 8 | 20 9 | 2 56 | 27 39 | 6 35 | 16 4 | 1 6 | 22 56 | 0 24 | 18 41 | 0 37 | 0 14 | 1 34 | 0 16 | 15 32 | 14 52 | 14 44 | 25 8 | 15 6 | 7 23 |
| M21 | 19 1 | 16 19 | 0s20 | 14 27 | 1 2 | 20 17 | 2 53 | 27 42 | 6 35 | 16 6 | 1 6 | 22 56 | 0 24 | 18 40 | 0 37 | 0 13 | 1 34 | 0 16 | 15 32 | 14 52 | 14 43 | 25 10 | 15 6 | 7 23 |
| T 22 | 18 47 | 20 32 | 1 21 | 13 48 | 0 56 | 20 24 | 2 50 | 27 45 | 6 35 | 16 7 | 1 7 | 22 56 | 0 24 | 18 39 | 0 37 | 0 13 | 1 34 | 0 17 | 15 33 | 14 52 | 14 42 | 25 12 | 15 7 | 7 23 |
| W23 | 18 33 | 23 55 | 2 19 | 13 8 | 0 49 | 20 31 | 2 47 | 27 47 | 6 35 | 16 9 | 1 7 | 22 57 | 0 24 | 18 38 | 0 37 | 0 13 | 1 34 | 0 17 | 15 33 | 14 51 | 14 41 | 25 13 | 15 7 | 7 23 |
| T 24 | 18 18 | 26 16 | 3 11 | 12 28 | 0 42 | 20 38 | 2 43 | 27 49 | 6 35 | 16 11 | 1 7 | 22 57 | 0 24 | 18 37 | 0 37 | 0 12 | 1 34 | 0 17 | 15 33 | 14 50 | 14 40 | 25 15 | 15 8 | 7 22 |
| F 25 | 18 3 | 27 26 | 3 55 | 11 48 | 0 34 | 20 44 | 2 40 | 27 51 | 6 34 | 16 13 | 1 7 | 22 57 | 0 24 | 18 36 | 0 37 | 0 12 | 1 35 | 0 17 | 15 34 | 14 47 | 14 39 | 25 16 | 15 8 | 7 22 |
| S 26 | 17 47 | 27 20 | 4 29 | 11 9 | 0 26 | 20 50 | 2 37 | 27 53 | 6 33 | 16 15 | 1 7 | 22 58 | 0 24 | 18 35 | 0 37 | 0 12 | 1 35 | 0 18 | 15 34 | 14 44 | 14 38 | 25 18 | 15 9 | 7 22 |
| S 27 | 17 32 | 25 53 | 4 51 | 10 29 | 0 18 | 20 55 | 2 33 | 27 54 | 6 32 | 16 17 | 1 7 | 22 58 | 0 23 | 18 34 | 0 37 | 0 11 | 1 35 | 0 18 | 15 34 | 14 41 | 14 37 | 25 20 | 15 10 | 7 22 |
| M28 | 17 16 | 23 10 | 5 0 | 9 49 | 0 10 | 21 0 | 2 30 | 27 55 | 6 31 | 16 18 | 1 7 | 22 58 | 0 23 | 18 33 | 0 37 | 0 11 | 1 35 | 0 18 | 15 34 | 14 36 | 14 36 | 25 21 | 15 10 | 7 21 |
| T 29 | 17 0 | 19 18 | 4 54 | 9 9 | 0 2 | 21 5 | 2 26 | 27 56 | 6 30 | 16 20 | 1 7 | 22 58 | 0 23 | 18 32 | 0 37 | 0 10 | 1 35 | 0 18 | 15 35 | 14 32 | 14 35 | 25 23 | 15 11 | 7 21 |
| W30 | 16 43 | 14 28 | 4 33 | 8 29 | 0s 7 | 21 9 | 2 22 | 27 56 | 6 29 | 16 21 | 1 8 | 22 59 | 0 23 | 18 31 | 0 37 | 0 10 | 1 35 | 0 19 | 15 35 | 14 28 | 14 34 | 25 24 | 15 11 | 7 21 |
| T 31 | 16n26 | 8s56 | 3s57 | 7n50 | 0s16 | 21n13 | 2s19 | 27s56 | 6s27 | 16n23 | 1s 8 | 22s59 | 0n23 | 18n30 | 0n37 | 0n10 | 1s35 | 0s19 | 15s35 | 14n25 | 14n33 | 25s26 | 15s12 | 7n21 |

Julian Day Number = 2221996.5, Delta T = 08m37s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'24, Lahiri = 15°05'25 Julian Calendar 1 July 1371 == Greg. Calendar 9 July 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## AUGUST 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 8 38 | 15♌48'13 | 29♓55 | 10♍46 | 1♋47 | 22°R41 | 18♉52 | 6°R24 | 9♌40 | 4°R 1 | 8°R48 | 8°R29 | 8♉56 | 13♐47 | 16°R31 | F 1 |
| S 2 | 21 12 35 | 16°45'56 | 13♈22 | 12° 6 | 2°52 | 22♏32 | 18°58 | 6♏21 | 9°44 | 4♈ 0 | 8♉48 | 8♉25 | 8°53 | 13°54 | 16♏28 | S 2 |
| S 3 | 21 16 31 | 17°43'41 | 27° 0 | 13°24 | 3°57 | 22°24 | 19° 4 | 6°18 | 9°48 | 3°59 | 8°48 | 8°23 | 8°50 | 14° 0 | 16°26 | S 3 |
| M 4 | 21 20 28 | 18°41'27 | 10♉49 | 14°40 | 5° 3 | 22°17 | 19° 9 | 6°15 | 9°51 | 3°58 | 8°48 | 8°23 | 8°47 | 14° 7 | 16°23 | M 4 |
| T 5 | 21 24 24 | 19°39'15 | 24°49 | 15°55 | 6° 8 | 22°10 | 19°14 | 6°13 | 9°55 | 3°57 | 8°48 | 8°23 | 8°44 | 14°14 | 16°20 | T 5 |
| W 6 | 21 28 21 | 20°37'05 | 9♊ 0 | 17° 7 | 7°14 | 22° 5 | 19°19 | 6°10 | 9°59 | 3°56 | 8°48 | 8°22 | 8°40 | 14°20 | 16°17 | W 6 |
| T 7 | 21 32 17 | 21°34'57 | 23°21 | 18°18 | 8°20 | 22° 0 | 19°24 | 6° 8 | 10° 2 | 3°55 | 8°48 | 8°19 | 8°37 | 14°27 | 16°15 | T 7 |
| F 8 | 21 36 14 | 22°32'51 | 7♋48 | 19°26 | 9°26 | 21°56 | 19°29 | 6° 5 | 10° 6 | 3°54 | 8°48 | 8°14 | 8°34 | 14°34 | 16°12 | F 8 |
| S 9 | 21 40 10 | 23°30'46 | 22°18 | 20°32 | 10°33 | 21°52 | 19°33 | 6° 3 | 10°10 | 3°53 | 8°48 | 8° 5 | 8°31 | 14°40 | 16°10 | S 9 |
| S 10 | 21 44 7 | 24°28'44 | 6♌45 | 21°36 | 11°39 | 21°50 | 19°38 | 6° 1 | 10°13 | 3°51 | 8°47 | 7°55 | 8°28 | 14°47 | 16° 7 | S 10 |
| M11 | 21 48 4 | 25°26'42 | 21° 1 | 22°37 | 12°46 | 21°48 | 19°42 | 5°59 | 10°17 | 3°50 | 8°47 | 7°44 | 8°25 | 14°54 | 16° 5 | M11 |
| T 12 | 21 52 0 | 26°24'43 | 5♍ 2 | 23°36 | 13°53 | 21°47 | 19°46 | 5°57 | 10°21 | 3°49 | 8°47 | 7°33 | 8°21 | 15° 0 | 16° 3 | T 12 |
| W13 | 21 55 57 | 27°22'45 | 18°42 | 24°33 | 15° 0 | 21°D47 | 19°50 | 5°55 | 10°24 | 3°48 | 8°47 | 7°24 | 8°18 | 15° 7 | 16° 0 | W13 |
| T 14 | 21 59 53 | 28°20'48 | 2♎ 0 | 25°26 | 16° 7 | 21°48 | 19°53 | 5°53 | 10°28 | 3°47 | 8°46 | 7°17 | 8°15 | 15°14 | 15°58 | T 14 |
| F 15 | 22 3 50 | 29°18'53 | 14°54 | 26°16 | 17°15 | 21°49 | 19°57 | 5°51 | 10°31 | 3°45 | 8°46 | 7°12 | 8°12 | 15°20 | 15°56 | F 15 |
| S 16 | 22 7 46 | 0♍17'00 | 27°27 | 27° 3 | 18°22 | 21°52 | 20° 0 | 5°49 | 10°35 | 3°44 | 8°46 | 7°10 | 8° 9 | 15°27 | 15°54 | S 16 |
| S 17 | 22 11 43 | 1°15'08 | 9♏42 | 27°47 | 19°30 | 21°55 | 20° 3 | 5°48 | 10°38 | 3°43 | 8°46 | 7°D10 | 8° 5 | 15°34 | 15°52 | S 17 |
| M18 | 22 15 39 | 2°13'17 | 21°43 | 28°27 | 20°38 | 21°59 | 20° 6 | 5°46 | 10°42 | 3°41 | 8°45 | 7°10 | 8° 2 | 15°40 | 15°50 | M18 |
| T 19 | 22 19 36 | 3°11'28 | 3♐35 | 29° 3 | 21°46 | 22° 4 | 20° 9 | 5°45 | 10°46 | 3°40 | 8°45 | 7°R11 | 7°59 | 15°47 | 15°48 | T 19 |
| W20 | 22 23 33 | 4° 9'41 | 15°25 | 29°34 | 22°54 | 22°10 | 20°11 | 5°44 | 10°49 | 3°38 | 8°44 | 7°10 | 7°56 | 15°54 | 15°46 | W20 |
| T 21 | 22 27 29 | 5° 7'55 | 27°17 | 0♑ 2 | 24° 3 | 22°16 | 20°14 | 5°42 | 10°53 | 3°37 | 8°44 | 7° 7 | 7°53 | 16° 0 | 15°44 | T 21 |
| F 22 | 22 31 26 | 6° 6'10 | 9♏16 | 0°24 | 25°11 | 22°23 | 20°16 | 5°41 | 10°56 | 3°36 | 8°44 | 7° 2 | 7°50 | 16° 7 | 15°43 | F 22 |
| S 23 | 22 35 22 | 7° 4'28 | 21°26 | 0°42 | 26°20 | 22°31 | 20°18 | 5°40 | 10°59 | 3°34 | 8°43 | 6°55 | 7°46 | 16°14 | 15°41 | S 23 |
| S 24 | 22 39 19 | 8° 2'47 | 3♒50 | 0°54 | 27°29 | 22°40 | 20°20 | 5°39 | 11° 3 | 3°33 | 8°43 | 6°46 | 7°43 | 16°20 | 15°39 | S 24 |
| M25 | 22 43 15 | 9° 1'07 | 16°31 | 1° 0 | 28°38 | 22°50 | 20°21 | 5°38 | 11° 6 | 3°31 | 8°42 | 6°36 | 7°40 | 16°27 | 15°38 | M25 |
| T 26 | 22 47 12 | 9°59'30 | 29°28 | 1°R 0 | 29°47 | 23° 0 | 20°22 | 5°38 | 11°10 | 3°30 | 8°42 | 6°26 | 7°37 | 16°34 | 15°36 | T 26 |
| W27 | 22 51 8 | 10°57'54 | 12♓42 | 0°54 | 0♌56 | 23°11 | 20°24 | 5°37 | 11°13 | 3°28 | 8°41 | 6°17 | 7°34 | 16°40 | 15°35 | W27 |
| T 28 | 22 55 5 | 11°56'20 | 26°10 | 0°41 | 2° 6 | 23°23 | 20°25 | 5°37 | 11°16 | 3°27 | 8°41 | 6°10 | 7°31 | 16°47 | 15°34 | T 28 |
| F 29 | 22 59 2 | 12°54'47 | 9♈50 | 0°21 | 3°15 | 23°35 | 20°25 | 5°36 | 11°20 | 3°25 | 8°40 | 6° 4 | 7°27 | 16°54 | 15°32 | F 29 |
| S 30 | 23 2 58 | 13°53'17 | 23°41 | 29♍55 | 4°25 | 23°48 | 20°26 | 5°36 | 11°23 | 3°24 | 8°40 | 6° 2 | 7°24 | 17° 0 | 15°31 | S 30 |
| S 31 | 23 6 55 | 14♍51'50 | 7♉38 | 29♍22 | 5♌35 | 24♏ 2 | 20♉26 | 5♏36 | 11♌26 | 3♈22 | 8♉39 | 6°D 1 | 7♉21 | 17♐ 7 | 15♏30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n 9 | 2s55 | 3s 8 | 7n10 | 0s25 | 21n16 | 2s15 | 27s56 | 6s25 | 16n24 | 1s 8 | 22s59 | 0n23 | 18n29 | 0n37 | 0n 9 | 1s35 | 0s19 | 15s36 | 14n23 | 14n32 | 25s27 | 15s13 | 7n20 |
| S 2 | 15 52 | 3n20 | 2 8 | 6 32 | 0 34 | 21 18 | 2 11 | 27 56 | 6 24 | 16 26 | 1 8 | 22 59 | 0 23 | 18 28 | 0 37 | 0 9 | 1 35 | 0 19 | 15 36 | 14 22 | 14 31 | 25 29 | 15 13 | 7 20 |
| S 3 | 15 34 | 9 31 | 1 0 | 5 53 | 0 43 | 21 20 | 2 7 | 27 55 | 6 22 | 16 27 | 1 8 | 23 0 | 0 23 | 18 27 | 0 37 | 0 8 | 1 35 | 0 20 | 15 36 | 14 21 | 14 30 | 25 30 | 15 14 | 7 20 |
| M 4 | 15 17 | 15 20 | 0n13 | 5 15 | 0 53 | 21 22 | 2 4 | 27 55 | 6 19 | 16 29 | 1 8 | 23 0 | 0 23 | 18 27 | 0 37 | 0 8 | 1 35 | 0 20 | 15 36 | 14 21 | 14 29 | 25 32 | 15 14 | 7 20 |
| T 5 | 14 58 | 20 26 | 1 26 | 4 37 | 1 2 | 21 23 | 2 0 | 27 53 | 6 17 | 16 30 | 1 8 | 23 0 | 0 22 | 18 26 | 0 37 | 0 7 | 1 35 | 0 20 | 15 37 | 14 21 | 14 28 | 25 34 | 15 15 | 7 19 |
| W 6 | 14 40 | 24 25 | 2 34 | 4 0 | 1 12 | 21 24 | 1 56 | 27 52 | 6 15 | 16 31 | 1 9 | 23 0 | 0 22 | 18 25 | 0 37 | 0 7 | 1 35 | 0 21 | 15 37 | 14 21 | 14 27 | 25 35 | 15 16 | 7 19 |
| T 7 | 14 22 | 26 55 | 3 34 | 3 24 | 1 21 | 21 24 | 1 52 | 27 51 | 6 12 | 16 32 | 1 9 | 23 1 | 0 22 | 18 24 | 0 37 | 0 6 | 1 35 | 0 21 | 15 37 | 14 20 | 14 26 | 25 37 | 15 16 | 7 19 |
| F 8 | 14 3 | 27 38 | 4 21 | 2 48 | 1 31 | 21 23 | 1 48 | 27 49 | 6 10 | 16 33 | 1 9 | 23 1 | 0 22 | 18 23 | 0 37 | 0 6 | 1 35 | 0 21 | 15 38 | 14 18 | 14 24 | 25 38 | 15 17 | 7 18 |
| S 9 | 13 44 | 26 26 | 4 50 | 2 13 | 1 41 | 21 22 | 1 44 | 27 47 | 6 7 | 16 34 | 1 9 | 23 1 | 0 22 | 18 22 | 0 37 | 0 5 | 1 35 | 0 22 | 15 38 | 14 15 | 14 23 | 25 40 | 15 18 | 7 18 |
| S 10 | 13 25 | 23 31 | 5 1 | 1 39 | 1 50 | 21 21 | 1 40 | 27 44 | 6 4 | 16 36 | 1 9 | 23 1 | 0 22 | 18 21 | 0 37 | 0 5 | 1 35 | 0 22 | 15 38 | 14 12 | 14 22 | 25 41 | 15 18 | 7 18 |
| M11 | 13 5 | 19 10 | 4 54 | 1 6 | 2 0 | 21 19 | 1 36 | 27 42 | 6 2 | 16 37 | 1 9 | 23 1 | 0 22 | 18 20 | 0 37 | 0 4 | 1 35 | 0 22 | 15 39 | 14 8 | 14 21 | 25 43 | 15 19 | 7 17 |
| T 12 | 12 45 | 13 51 | 4 28 | 0 34 | 2 10 | 21 16 | 1 32 | 27 39 | 5 59 | 16 37 | 1 10 | 23 2 | 0 22 | 18 19 | 0 37 | 0 4 | 1 35 | 0 23 | 15 39 | 14 5 | 14 20 | 25 44 | 15 19 | 7 17 |
| W13 | 12 25 | 7 58 | 3 47 | 0 3 | 2 19 | 21 13 | 1 28 | 27 36 | 5 56 | 16 38 | 1 10 | 23 2 | 0 22 | 18 18 | 0 37 | 0 3 | 1 35 | 0 23 | 15 39 | 14 2 | 14 19 | 25 45 | 15 20 | 7 16 |
| T 14 | 12 5 | 1 53 | 2 55 | 0s27 | 2 29 | 21 9 | 1 24 | 27 33 | 5 53 | 16 39 | 1 10 | 23 2 | 0 21 | 18 17 | 0 38 | 0 3 | 1 35 | 0 23 | 15 39 | 13 59 | 14 18 | 25 47 | 15 21 | 7 16 |
| F 15 | 11 45 | 4s 7 | 1 56 | 0 56 | 2 38 | 21 5 | 1 20 | 27 30 | 5 49 | 16 40 | 1 10 | 23 2 | 0 21 | 18 16 | 0 38 | 0 2 | 1 35 | 0 24 | 15 40 | 13 58 | 14 17 | 25 48 | 15 21 | 7 16 |
| S 16 | 11 25 | 9 48 | 0 52 | 1 23 | 2 48 | 21 0 | 1 16 | 27 26 | 5 46 | 16 41 | 1 10 | 23 2 | 0 21 | 18 15 | 0 38 | 0 2 | 1 35 | 0 24 | 15 40 | 13 57 | 14 16 | 25 50 | 15 22 | 7 15 |
| S 17 | 11 4 | 14 59 | 0s13 | 1 49 | 2 57 | 20 55 | 1 12 | 27 22 | 5 43 | 16 41 | 1 10 | 23 3 | 0 21 | 18 14 | 0 38 | 0 1 | 1 36 | 0 24 | 15 40 | 13 57 | 14 15 | 25 51 | 15 23 | 7 15 |
| M18 | 10 43 | 19 30 | 1 17 | 2 13 | 3 5 | 20 49 | 1 8 | 27 18 | 5 40 | 16 42 | 1 10 | 23 3 | 0 21 | 18 13 | 0 38 | 0 1 | 1 36 | 0 25 | 15 41 | 13 57 | 14 14 | 25 53 | 15 23 | 7 15 |
| T 19 | 10 22 | 23 10 | 2 16 | 2 35 | 3 14 | 20 42 | 1 4 | 27 14 | 5 36 | 16 43 | 1 11 | 23 3 | 0 21 | 18 12 | 0 38 | 0 0 | 1 36 | 0 25 | 15 41 | 13 57 | 14 13 | 25 54 | 15 24 | 7 14 |
| W20 | 10 1 | 25 52 | 3 9 | 2 55 | 3 22 | 20 35 | 1 0 | 27 10 | 5 33 | 16 43 | 1 11 | 23 3 | 0 21 | 18 11 | 0 38 | 0s 1 | 1 36 | 0 25 | 15 41 | 13 57 | 14 12 | 25 56 | 15 24 | 7 14 |
| T 21 | 9 40 | 27 24 | 3 55 | 3 13 | 3 30 | 20 27 | 0 56 | 27 6 | 5 30 | 16 44 | 1 11 | 23 3 | 0 21 | 18 10 | 0 38 | 0 1 | 1 36 | 0 26 | 15 41 | 13 56 | 14 11 | 25 57 | 15 25 | 7 13 |
| F 22 | 9 18 | 27 41 | 4 30 | 3 29 | 3 37 | 20 19 | 0 52 | 27 1 | 5 26 | 16 44 | 1 11 | 23 3 | 0 21 | 18 9 | 0 38 | 0 2 | 1 36 | 0 26 | 15 42 | 13 55 | 14 10 | 25 58 | 15 26 | 7 13 |
| S 23 | 8 57 | 26 38 | 4 54 | 3 42 | 3 44 | 20 10 | 0 48 | 26 56 | 5 23 | 16 44 | 1 11 | 23 4 | 0 20 | 18 8 | 0 38 | 0 2 | 1 36 | 0 27 | 15 42 | 13 52 | 14 9 | 26 0 | 15 26 | 7 12 |
| S 24 | 8 35 | 24 17 | 5 4 | 3 52 | 3 50 | 20 1 | 0 44 | 26 51 | 5 19 | 16 45 | 1 11 | 23 4 | 0 20 | 18 7 | 0 38 | 0 3 | 1 36 | 0 27 | 15 42 | 13 49 | 14 8 | 26 1 | 15 27 | 7 12 |
| M25 | 8 13 | 20 42 | 5 0 | 3 59 | 3 55 | 19 51 | 0 40 | 26 46 | 5 16 | 16 45 | 1 11 | 23 4 | 0 20 | 18 6 | 0 38 | 0 4 | 1 36 | 0 27 | 15 42 | 13 46 | 14 7 | 26 3 | 15 27 | 7 12 |
| T 26 | 7 51 | 16 4 | 4 41 | 4 3 | 3 59 | 19 41 | 0 36 | 26 41 | 5 12 | 16 45 | 1 12 | 23 4 | 0 20 | 18 5 | 0 38 | 0 4 | 1 36 | 0 28 | 15 43 | 13 43 | 14 6 | 26 4 | 15 28 | 7 11 |
| W27 | 7 29 | 10 36 | 4 6 | 4 4 | 4 3 | 19 30 | 0 32 | 26 35 | 5 8 | 16 45 | 1 12 | 23 4 | 0 20 | 18 5 | 0 38 | 0 5 | 1 36 | 0 28 | 15 43 | 13 40 | 14 5 | 26 5 | 15 29 | 7 11 |
| T 28 | 7 6 | 4 32 | 3 17 | 4 1 | 4 5 | 19 18 | 0 28 | 26 30 | 5 5 | 16 45 | 1 12 | 23 4 | 0 20 | 18 4 | 0 38 | 0 5 | 1 36 | 0 29 | 15 43 | 13 37 | 14 4 | 26 7 | 15 29 | 7 10 |
| F 29 | 6 44 | 1n50 | 2 16 | 3 54 | 4 6 | 19 6 | 0 25 | 26 24 | 5 1 | 16 46 | 1 12 | 23 5 | 0 20 | 18 3 | 0 38 | 0 6 | 1 36 | 0 29 | 15 43 | 13 36 | 14 3 | 26 8 | 15 30 | 7 10 |
| S 30 | 6 22 | 8 12 | 1 6 | 3 43 | 4 6 | 18 53 | 0 21 | 26 18 | 4 58 | 16 46 | 1 12 | 23 5 | 0 20 | 18 2 | 0 38 | 0 7 | 1 36 | 0 29 | 15 44 | 13 35 | 14 2 | 26 9 | 15 30 | 7 9 |
| S 31 | 5n59 | 14n14 | 0n 9 | 3s28 | 4s 4 | 18n40 | 0s17 | 26s12 | 4s54 | 16n46 | 1s12 | 23s 5 | 0n20 | 18n 1 | 0n38 | 0s 7 | 1s36 | 0s30 | 15s44 | 13n34 | 14n 1 | 26s11 | 15s31 | 7n 9 |

Julian Day Number = 2222027.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'29, Lahiri = 15°05'29 Julian Calendar 1 Aug. 1371 == Greg. Calendar 9 Aug. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## SEPTEMBER 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 10 51 | 15♍50'24 | 21♉40 | 28°R42 | 6♌45 | 24♏17 | 20°R26 | 5°R35 | 11♌29 | 3°R21 | 8°R38 | 6♉ 2 | 7♉18 | 17♐14 | 15°R29 | M 1 |
| T 2 | 23 14 48 | 16°49'01 | 5♊47 | 27♍55 | 7°55 | 24°32 | 20♉26 | 5°D35 | 11°33 | 3♈19 | 8♉38 | 6° 3 | 7°15 | 17°20 | 15♏28 | T 2 |
| W 3 | 23 18 44 | 17°47'40 | 19°56 | 27° 3 | 9° 5 | 24°48 | 20°26 | 5♏35 | 11°36 | 3°17 | 8°37 | 6°R 3 | 7°11 | 17°27 | 15°27 | W 3 |
| T 4 | 23 22 41 | 18°46'21 | 4♋ 5 | 26° 6 | 10°15 | 25° 4 | 20°26 | 5°35 | 11°39 | 3°16 | 8°36 | 6° 2 | 7° 8 | 17°34 | 15°26 | T 4 |
| F 5 | 23 26 37 | 19°45'05 | 18°15 | 25° 4 | 11°26 | 25°21 | 20°25 | 5°36 | 11°42 | 3°14 | 8°36 | 5°59 | 7° 5 | 17°40 | 15°26 | F 5 |
| S 6 | 23 30 34 | 20°43'51 | 2♌20 | 24° 0 | 12°37 | 25°39 | 20°24 | 5°36 | 11°45 | 3°13 | 8°35 | 5°54 | 7° 2 | 17°47 | 15°25 | S 6 |
| S 7 | 23 34 31 | 21°42'39 | 16°20 | 22°54 | 13°47 | 25°57 | 20°23 | 5°36 | 11°48 | 3°11 | 8°34 | 5°48 | 6°59 | 17°54 | 15°24 | S 7 |
| M 8 | 23 38 27 | 22°41'29 | 0♍10 | 21°49 | 14°58 | 26°16 | 20°22 | 5°37 | 11°51 | 3° 9 | 8°34 | 5°41 | 6°56 | 18° 1 | 15°24 | M 8 |
| T 9 | 23 42 24 | 23°40'22 | 13°46 | 20°45 | 16° 9 | 26°35 | 20°21 | 5°38 | 11°54 | 3° 8 | 8°33 | 5°33 | 6°52 | 18° 7 | 15°23 | T 9 |
| W10 | 23 46 20 | 24°39'16 | 27° 7 | 19°45 | 17°20 | 26°55 | 20°19 | 5°38 | 11°57 | 3° 6 | 8°32 | 5°27 | 6°49 | 18°14 | 15°23 | W10 |
| T 11 | 23 50 17 | 25°38'12 | 10♎10 | 18°49 | 18°31 | 27°16 | 20°17 | 5°39 | 12° 0 | 3° 4 | 8°31 | 5°23 | 6°46 | 18°21 | 15°22 | T 11 |
| F 12 | 23 54 13 | 26°37'11 | 22°54 | 18° 0 | 19°42 | 27°37 | 20°15 | 5°40 | 12° 3 | 3° 3 | 8°31 | 5°20 | 6°43 | 18°27 | 15°22 | F 12 |
| S 13 | 23 58 10 | 27°36'11 | 5♏21 | 17°19 | 20°54 | 27°58 | 20°13 | 5°41 | 12° 6 | 3° 1 | 8°30 | 5°D19 | 6°40 | 18°34 | 15°22 | S 13 |
| S 14 | 0 2 6 | 28°35'14 | 17°33 | 16°47 | 22° 5 | 28°20 | 20°10 | 5°42 | 12° 9 | 2°59 | 8°29 | 5°20 | 6°37 | 18°41 | 15°22 | S 14 |
| M15 | 0 6 3 | 29°34'18 | 29°34 | 16°25 | 23°17 | 28°43 | 20° 8 | 5°44 | 12°12 | 2°58 | 8°28 | 5°22 | 6°33 | 18°47 | 15°D22 | M15 |
| T 16 | 0 9 59 | 0♎33'24 | 11♐27 | 16°13 | 24°28 | 29° 6 | 20° 5 | 5°45 | 12°15 | 2°56 | 8°27 | 5°23 | 6°30 | 18°54 | 15°22 | T 16 |
| W17 | 0 13 56 | 1°32'32 | 23°17 | 16°D11 | 25°40 | 29°30 | 20° 2 | 5°46 | 12°17 | 2°54 | 8°26 | 5°25 | 6°27 | 19° 1 | 15°22 | W17 |
| T 18 | 0 17 53 | 2°31'42 | 5♑ 9 | 16°20 | 26°52 | 29°54 | 19°58 | 5°48 | 12°20 | 2°53 | 8°26 | 5°R25 | 6°24 | 19° 7 | 15°22 | T 18 |
| F 19 | 0 21 49 | 3°30'53 | 17° 8 | 16°40 | 28° 4 | 0♒19 | 19°55 | 5°49 | 12°23 | 2°51 | 8°25 | 5°24 | 6°21 | 19°14 | 15°23 | F 19 |
| S 20 | 0 25 46 | 4°30'06 | 29°19 | 17° 9 | 29°16 | 0°44 | 19°51 | 5°51 | 12°25 | 2°49 | 8°24 | 5°22 | 6°17 | 19°21 | 15°23 | S 20 |
| S 21 | 0 29 42 | 5°29'22 | 11♒46 | 17°47 | 0♍28 | 1° 9 | 19°48 | 5°53 | 12°28 | 2°48 | 8°23 | 5°18 | 6°14 | 19°27 | 15°23 | S 21 |
| M22 | 0 33 39 | 6°28'39 | 24°32 | 18°35 | 1°40 | 1°35 | 19°44 | 5°55 | 12°31 | 2°46 | 8°22 | 5°14 | 6°11 | 19°34 | 15°24 | M22 |
| T 23 | 0 37 35 | 7°27'57 | 7♓40 | 19°30 | 2°52 | 2° 1 | 19°40 | 5°57 | 12°33 | 2°44 | 8°21 | 5° 9 | 6° 8 | 19°41 | 15°24 | T 23 |
| W24 | 0 41 32 | 8°27'18 | 21° 8 | 20°32 | 4° 5 | 2°28 | 19°35 | 5°59 | 12°36 | 2°43 | 8°20 | 5° 5 | 6° 5 | 19°47 | 15°25 | W24 |
| T 25 | 0 45 28 | 9°26'41 | 4♈56 | 21°41 | 5°17 | 2°55 | 19°31 | 6° 1 | 12°38 | 2°41 | 8°19 | 5° 2 | 6° 2 | 19°54 | 15°26 | T 25 |
| F 26 | 0 49 25 | 10°26'06 | 19° 1 | 22°56 | 6°30 | 3°23 | 19°26 | 6° 3 | 12°40 | 2°39 | 8°18 | 5° 0 | 5°58 | 20° 1 | 15°27 | F 26 |
| S 27 | 0 53 22 | 11°25'32 | 3♉18 | 24°15 | 7°42 | 3°51 | 19°21 | 6° 6 | 12°43 | 2°38 | 8°17 | 4°D59 | 5°55 | 20° 7 | 15°27 | S 27 |
| S 28 | 0 57 18 | 12°25'01 | 17°42 | 25°39 | 8°55 | 4°19 | 19°16 | 6° 8 | 12°45 | 2°36 | 8°16 | 4°59 | 5°52 | 20°14 | 15°28 | S 28 |
| M29 | 1 1 15 | 13°24'33 | 2♊ 9 | 27° 7 | 10° 8 | 4°47 | 19°11 | 6°11 | 12°47 | 2°34 | 8°15 | 5° 0 | 5°49 | 20°21 | 15°29 | M29 |
| T 30 | 1 5 11 | 14♎24'07 | 16♊34 | 28♍37 | 11♍21 | 5♒16 | 19♉ 5 | 6♏13 | 12♌49 | 2♈33 | 8♉14 | 5♉ 2 | 5♉46 | 20♐27 | 15♏30 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n36 | 19n35 | 1n23 | 3s 9 | 4s 0 | 18n26 | 0s13 | 26s 6 | 4s51 | 16n45 | 1s12 | 23s 5 | 0n19 | 18n 0 | 0n38 | 0s 8 | 1s36 | 0s30 | 15s44 | 13n35 | 14n 0 | 26s12 | 15s32 | 7n 8 |
| T 2 | 5 13 | 23 52 | 2 33 | 2 46 | 3 55 | 18 12 | 0 10 | 26 0 | 4 47 | 16 45 | 1 13 | 23 5 | 0 19 | 17 59 | 0 38 | 0 9 | 1 36 | 0 31 | 15 44 | 13 35 | 13 59 | 26 13 | 15 32 | 7 8 |
| W 3 | 4 50 | 26 42 | 3 34 | 2 18 | 3 48 | 17 57 | 0 6 | 25 53 | 4 43 | 16 45 | 1 13 | 23 5 | 0 19 | 17 58 | 0 38 | 0 9 | 1 36 | 0 31 | 15 45 | 13 35 | 13 58 | 26 15 | 15 33 | 7 7 |
| T 4 | 4 27 | 27 49 | 4 22 | 1 47 | 3 39 | 17 42 | 0 2 | 25 47 | 4 40 | 16 45 | 1 13 | 23 5 | 0 19 | 17 58 | 0 38 | 0 10 | 1 36 | 0 31 | 15 45 | 13 35 | 13 57 | 26 16 | 15 33 | 7 7 |
| F 5 | 4 4 | 27 8 | 4 54 | 1 13 | 3 28 | 17 26 | 0n 1 | 25 40 | 4 36 | 16 45 | 1 13 | 23 5 | 0 19 | 17 57 | 0 38 | 0 11 | 1 36 | 0 32 | 15 45 | 13 34 | 13 56 | 26 17 | 15 34 | 7 6 |
| S 6 | 3 41 | 24 42 | 5 8 | 0 35 | 3 15 | 17 10 | 0 5 | 25 33 | 4 33 | 16 44 | 1 13 | 23 5 | 0 19 | 17 56 | 0 38 | 0 11 | 1 36 | 0 32 | 15 45 | 13 32 | 13 55 | 26 19 | 15 35 | 7 6 |
| S 7 | 3 18 | 20 49 | 5 3 | 0n 4 | 3 0 | 16 53 | 0 9 | 25 26 | 4 29 | 16 44 | 1 13 | 23 6 | 0 19 | 17 55 | 0 38 | 0 12 | 1 36 | 0 33 | 15 46 | 13 30 | 13 53 | 26 20 | 15 35 | 7 5 |
| M 8 | 2 55 | 15 50 | 4 41 | 0 45 | 2 43 | 16 36 | 0 12 | 25 19 | 4 25 | 16 43 | 1 13 | 23 6 | 0 19 | 17 54 | 0 38 | 0 13 | 1 36 | 0 33 | 15 46 | 13 28 | 13 52 | 26 21 | 15 36 | 7 5 |
| T 9 | 2 31 | 10 8 | 4 3 | 1 27 | 2 25 | 16 18 | 0 15 | 25 12 | 4 22 | 16 43 | 1 14 | 23 6 | 0 19 | 17 53 | 0 38 | 0 13 | 1 36 | 0 34 | 15 46 | 13 25 | 13 51 | 26 22 | 15 36 | 7 4 |
| W10 | 2 8 | 4 5 | 3 12 | 2 8 | 2 6 | 15 59 | 0 19 | 25 4 | 4 18 | 16 42 | 1 14 | 23 6 | 0 18 | 17 53 | 0 38 | 0 14 | 1 36 | 0 34 | 15 46 | 13 23 | 13 50 | 26 24 | 15 37 | 7 4 |
| T 11 | 1 44 | 2s 0 | 2 12 | 2 48 | 1 47 | 15 41 | 0 22 | 24 57 | 4 15 | 16 42 | 1 14 | 23 6 | 0 18 | 17 52 | 0 38 | 0 15 | 1 36 | 0 34 | 15 46 | 13 22 | 13 49 | 26 25 | 15 37 | 7 3 |
| F 12 | 1 21 | 7 54 | 1 7 | 3 26 | 1 27 | 15 22 | 0 25 | 24 49 | 4 11 | 16 41 | 1 14 | 23 6 | 0 18 | 17 51 | 0 38 | 0 15 | 1 36 | 0 35 | 15 47 | 13 21 | 13 48 | 26 26 | 15 38 | 7 3 |
| S 13 | 0 57 | 13 21 | 0s 0 | 4 0 | 1 6 | 15 2 | 0 29 | 24 41 | 4 8 | 16 40 | 1 14 | 23 6 | 0 18 | 17 50 | 0 38 | 0 16 | 1 36 | 0 35 | 15 47 | 13 21 | 13 47 | 26 27 | 15 38 | 7 2 |
| S 14 | 0 34 | 18 11 | 1 6 | 4 31 | 0 46 | 14 42 | 0 32 | 24 33 | 4 4 | 16 39 | 1 14 | 23 6 | 0 18 | 17 49 | 0 38 | 0 17 | 1 36 | 0 36 | 15 47 | 13 21 | 13 46 | 26 29 | 15 39 | 7 2 |
| M15 | 0 10 | 22 13 | 2 8 | 4 58 | 0 27 | 14 21 | 0 35 | 24 25 | 4 1 | 16 39 | 1 14 | 23 6 | 0 18 | 17 49 | 0 38 | 0 17 | 1 36 | 0 36 | 15 47 | 13 21 | 13 45 | 26 30 | 15 39 | 7 1 |
| T 16 | 0s13 | 25 17 | 3 4 | 5 20 | 0 8 | 14 0 | 0 38 | 24 17 | 3 58 | 16 38 | 1 14 | 23 6 | 0 18 | 17 48 | 0 38 | 0 18 | 1 36 | 0 37 | 15 47 | 13 22 | 13 44 | 26 31 | 15 40 | 7 1 |
| W17 | 0 37 | 27 13 | 3 52 | 5 37 | 0n10 | 13 39 | 0 41 | 24 8 | 3 54 | 16 37 | 1 15 | 23 6 | 0 18 | 17 47 | 0 38 | 0 19 | 1 36 | 0 37 | 15 47 | 13 22 | 13 43 | 26 32 | 15 40 | 7 0 |
| T 18 | 1 1 | 27 56 | 4 30 | 5 49 | 0 26 | 13 17 | 0 44 | 24 0 | 3 51 | 16 36 | 1 15 | 23 6 | 0 18 | 17 46 | 0 38 | 0 19 | 1 36 | 0 37 | 15 48 | 13 22 | 13 42 | 26 34 | 15 41 | 7 0 |
| F 19 | 1 24 | 27 20 | 4 57 | 5 55 | 0 42 | 12 55 | 0 47 | 23 51 | 3 47 | 16 35 | 1 15 | 23 6 | 0 17 | 17 46 | 0 38 | 0 20 | 1 36 | 0 38 | 15 48 | 13 22 | 13 41 | 26 35 | 15 41 | 6 59 |
| S 20 | 1 48 | 25 26 | 5 11 | 5 57 | 0 55 | 12 32 | 0 49 | 23 42 | 3 44 | 16 34 | 1 15 | 23 6 | 0 17 | 17 45 | 0 38 | 0 21 | 1 36 | 0 38 | 15 48 | 13 21 | 13 40 | 26 36 | 15 42 | 6 59 |
| S 21 | 2 11 | 22 17 | 5 11 | 5 53 | 1 8 | 12 10 | 0 52 | 23 34 | 3 41 | 16 33 | 1 15 | 23 6 | 0 17 | 17 44 | 0 38 | 0 21 | 1 36 | 0 39 | 15 48 | 13 20 | 13 39 | 26 37 | 15 42 | 6 58 |
| M22 | 2 35 | 18 1 | 4 55 | 5 45 | 1 19 | 11 46 | 0 55 | 23 24 | 3 37 | 16 31 | 1 15 | 23 6 | 0 17 | 17 44 | 0 38 | 0 22 | 1 36 | 0 39 | 15 48 | 13 19 | 13 38 | 26 38 | 15 43 | 6 58 |
| T 23 | 2 58 | 12 48 | 4 24 | 5 32 | 1 29 | 11 23 | 0 57 | 23 15 | 3 34 | 16 30 | 1 15 | 23 6 | 0 17 | 17 43 | 0 39 | 0 23 | 1 36 | 0 40 | 15 48 | 13 17 | 13 37 | 26 40 | 15 43 | 6 57 |
| W24 | 3 22 | 6 52 | 3 38 | 5 15 | 1 37 | 10 59 | 1 0 | 23 6 | 3 31 | 16 29 | 1 15 | 23 6 | 0 17 | 17 42 | 0 39 | 0 23 | 1 36 | 0 40 | 15 49 | 13 16 | 13 36 | 26 41 | 15 44 | 6 57 |
| T 25 | 3 45 | 0 27 | 2 38 | 4 54 | 1 44 | 10 34 | 1 2 | 22 56 | 3 28 | 16 28 | 1 15 | 23 6 | 0 17 | 17 42 | 0 39 | 0 24 | 1 36 | 0 40 | 15 49 | 13 15 | 13 35 | 26 42 | 15 44 | 6 56 |
| F 26 | 4 9 | 6n 8 | 1 27 | 4 29 | 1 49 | 10 10 | 1 5 | 22 47 | 3 24 | 16 26 | 1 15 | 23 6 | 0 17 | 17 41 | 0 39 | 0 25 | 1 36 | 0 41 | 15 49 | 13 14 | 13 34 | 26 43 | 15 44 | 6 56 |
| S 27 | 4 32 | 12 31 | 0 9 | 4 2 | 1 54 | 9 45 | 1 7 | 22 37 | 3 21 | 16 25 | 1 15 | 23 6 | 0 17 | 17 40 | 0 39 | 0 25 | 1 36 | 0 41 | 15 49 | 13 14 | 13 32 | 26 44 | 15 45 | 6 55 |
| S 28 | 4 55 | 18 17 | 1n10 | 3 31 | 1 57 | 9 19 | 1 9 | 22 27 | 3 18 | 16 24 | 1 16 | 23 6 | 0 16 | 17 40 | 0 39 | 0 26 | 1 36 | 0 42 | 15 49 | 13 14 | 13 31 | 26 45 | 15 45 | 6 55 |
| M29 | 5 19 | 23 1 | 2 24 | 2 58 | 1 59 | 8 54 | 1 12 | 22 17 | 3 15 | 16 22 | 1 16 | 23 6 | 0 16 | 17 39 | 0 39 | 0 27 | 1 36 | 0 42 | 15 49 | 13 14 | 13 30 | 26 46 | 15 46 | 6 54 |
| T 30 | 5s42 | 26n19 | 3n30 | 2n23 | 2n 0 | 8n28 | 1n14 | 22s 7 | 3s12 | 16n21 | 1s16 | 23s 6 | 0n16 | 17n38 | 0n39 | 0s27 | 1s36 | 0s42 | 15s49 | 13n15 | 13n29 | 26s48 | 15s46 | 6n54 |

Julian Day Number = 2222058.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'33, Lahiri = 15°05'33 Julian Calendar 1 Sept. 1371 == Greg. Calendar 9 Sept. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## OCTOBER 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 9 8 | 15♎23'43 | 0♋54 | 0♎10 | 12♍34 | 5♒45 | 19°R 0 | 6♑16 | 12♘52 | 2°R31 | 8°R13 | 5♉ 3 | 5♉43 | 20♐34 | 15♑32 | W 1 |
| T 2 | 1 13 4 | 16°23'21 | 15° 5 | 1°45 | 13°47 | 6°15 | 18♉54 | 6°19 | 12°54 | 2♈30 | 8♉12 | 5°R 3 | 5°39 | 20°41 | 15°33 | T 2 |
| F 3 | 1 17 1 | 17°23'02 | 29° 5 | 3°22 | 15° 0 | 6°45 | 18°48 | 6°22 | 12°56 | 2°28 | 8°11 | 5° 3 | 5°36 | 20°48 | 15°34 | F 3 |
| S 4 | 1 20 57 | 18°22'45 | 12♘55 | 5° 0 | 16°13 | 7°15 | 18°42 | 6°25 | 12°58 | 2°26 | 8°10 | 5° 2 | 5°33 | 20°54 | 15°36 | S 4 |
| S 5 | 1 24 54 | 19°22'31 | 26°31 | 6°39 | 17°27 | 7°46 | 18°36 | 6°28 | 13° 0 | 2°25 | 8° 9 | 5° 0 | 5°30 | 21° 1 | 15°37 | S 5 |
| M 6 | 1 28 51 | 20°22'18 | 9♍55 | 8°19 | 18°40 | 8°16 | 18°30 | 6°31 | 13° 2 | 2°23 | 8° 8 | 4°58 | 5°27 | 21° 8 | 15°39 | M 6 |
| T 7 | 1 32 47 | 21°22'08 | 23° 6 | 9°59 | 19°53 | 8°48 | 18°24 | 6°35 | 13° 4 | 2°22 | 8° 7 | 4°56 | 5°23 | 21°14 | 15°40 | T 7 |
| W 8 | 1 36 44 | 22°22'00 | 6♎ 2 | 11°40 | 21° 7 | 9°19 | 18°17 | 6°38 | 13° 6 | 2°20 | 8° 6 | 4°54 | 5°20 | 21°21 | 15°42 | W 8 |
| T 9 | 1 40 40 | 23°21'53 | 18°45 | 13°21 | 22°20 | 9°51 | 18°10 | 6°41 | 13° 7 | 2°19 | 8° 5 | 4°53 | 5°17 | 21°28 | 15°44 | T 9 |
| F 10 | 1 44 37 | 24°21'49 | 1♏15 | 15° 2 | 23°34 | 10°23 | 18° 3 | 6°45 | 13° 9 | 2°17 | 8° 4 | 4°D53 | 5°14 | 21°34 | 15°45 | F 10 |
| S 11 | 1 48 33 | 25°21'47 | 13°32 | 16°43 | 24°48 | 10°55 | 17°56 | 6°49 | 13°11 | 2°16 | 8° 3 | 4°53 | 5°11 | 21°41 | 15°47 | S 11 |
| S 12 | 1 52 30 | 26°21'47 | 25°38 | 18°24 | 26° 1 | 11°27 | 17°49 | 6°52 | 13°13 | 2°14 | 8° 1 | 4°53 | 5° 8 | 21°48 | 15°49 | S 12 |
| M13 | 1 56 26 | 27°21'48 | 7♐35 | 20° 4 | 27°15 | 12° 0 | 17°42 | 6°56 | 13°14 | 2°13 | 8° 0 | 4°54 | 5° 4 | 21°54 | 15°51 | M13 |
| T 14 | 2 0 23 | 28°21'52 | 19°27 | 21°44 | 28°29 | 12°33 | 17°35 | 7° 0 | 13°16 | 2°11 | 7°59 | 4°55 | 5° 1 | 22° 1 | 15°53 | T 14 |
| W15 | 2 4 20 | 29°21'57 | 1♑16 | 23°24 | 29°43 | 13° 6 | 17°28 | 7° 4 | 13°17 | 2°10 | 7°58 | 4°56 | 4°58 | 22° 8 | 15°55 | W15 |
| T 16 | 2 8 16 | 0♏22'04 | 13° 7 | 25° 4 | 0♎57 | 13°40 | 17°20 | 7° 8 | 13°19 | 2° 8 | 7°57 | 4°56 | 4°55 | 22°14 | 15°58 | T 16 |
| F 17 | 2 12 13 | 1°22'12 | 25° 5 | 26°43 | 2°11 | 14°13 | 17°13 | 7°12 | 13°20 | 2° 7 | 7°56 | 4°56 | 4°52 | 22°21 | 16° 0 | F 17 |
| S 18 | 2 16 9 | 2°22'22 | 7♒13 | 28°22 | 3°25 | 14°47 | 17° 5 | 7°16 | 13°21 | 2° 5 | 7°55 | 4°R56 | 4°48 | 22°28 | 16° 2 | S 18 |
| S 19 | 2 20 6 | 3°22'33 | 19°37 | 0♏ 0 | 4°39 | 15°21 | 16°57 | 7°20 | 13°23 | 2° 4 | 7°54 | 4°56 | 4°45 | 22°35 | 16° 5 | S 19 |
| M20 | 2 24 2 | 4°22'46 | 2♓21 | 1°38 | 5°53 | 15°56 | 16°49 | 7°25 | 13°24 | 2° 3 | 7°53 | 4°56 | 4°42 | 22°41 | 16° 7 | M20 |
| T 21 | 2 27 59 | 5°23'01 | 15°28 | 3°16 | 7° 7 | 16°30 | 16°42 | 7°29 | 13°25 | 2° 1 | 7°51 | 4°D56 | 4°39 | 22°48 | 16°10 | T 21 |
| W22 | 2 31 55 | 6°23'17 | 29° 0 | 4°53 | 8°21 | 17° 5 | 16°34 | 7°34 | 13°26 | 2° 0 | 7°50 | 4°56 | 4°36 | 22°55 | 16°12 | W22 |
| T 23 | 2 35 52 | 7°23'34 | 12♈57 | 6°30 | 9°36 | 17°40 | 16°26 | 7°38 | 13°27 | 1°59 | 7°49 | 4°56 | 4°33 | 23° 1 | 16°15 | T 23 |
| F 24 | 2 39 49 | 8°23'53 | 27°17 | 8° 7 | 10°50 | 18°15 | 16°18 | 7°43 | 13°28 | 1°57 | 7°48 | 4°57 | 4°29 | 23° 8 | 16°18 | F 24 |
| S 25 | 2 43 45 | 9°24'14 | 11♉55 | 9°43 | 12° 4 | 18°50 | 16°10 | 7°48 | 13°29 | 1°56 | 7°47 | 4°R57 | 4°26 | 23°15 | 16°21 | S 25 |
| S 26 | 2 47 42 | 10°24'37 | 26°46 | 11°19 | 13°19 | 19°26 | 16° 1 | 7°52 | 13°30 | 1°55 | 7°46 | 4°56 | 4°23 | 23°21 | 16°24 | S 26 |
| M27 | 2 51 38 | 11°25'01 | 11♊41 | 12°55 | 14°33 | 20° 1 | 15°53 | 7°57 | 13°31 | 1°54 | 7°45 | 4°56 | 4°20 | 23°28 | 16°26 | M27 |
| T 28 | 2 55 35 | 12°25'28 | 26°33 | 14°30 | 15°48 | 20°37 | 15°45 | 8° 2 | 13°32 | 1°53 | 7°44 | 4°55 | 4°17 | 23°35 | 16°29 | T 28 |
| W29 | 2 59 31 | 13°25'56 | 11♋13 | 16° 5 | 17° 2 | 21°13 | 15°37 | 8° 7 | 13°33 | 1°51 | 7°42 | 4°54 | 4°14 | 23°41 | 16°33 | W29 |
| T 30 | 3 3 28 | 14°26'26 | 25°38 | 17°40 | 18°17 | 21°49 | 15°29 | 8°12 | 13°34 | 1°50 | 7°41 | 4°53 | 4°10 | 23°48 | 16°36 | T 30 |
| F 31 | 3 7 24 | 15♏26'58 | 9♘43 | 19♏14 | 19♎31 | 22♒25 | 15♉21 | 8♑17 | 13♘34 | 1♈49 | 7♉40 | 4°D53 | 4♉ 7 | 23♐55 | 16♑39 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s 5 | 27n53 | 4n21 | 1n46 | 2n 1 | 8n 2 | 1n16 | 21s57 | 3s 9 | 16n19 | 1s16 | 23s 6 | 0n16 | 17n38 | 0n39 | 0s28 | 1s36 | 0s43 | 15s49 | 13n15 | 13n28 | 26s49 | 15s46 | 6n53 |
| T 2 | 6 28 | 27 35 | 4 57 | 1 8 | 2 0 | 7 36 | 1 18 | 21 46 | 3 6 | 16 17 | 1 16 | 23 6 | 0 16 | 17 37 | 0 39 | 0 29 | 1 36 | 0 43 | 15 50 | 13 15 | 13 27 | 26 50 | 15 47 | 6 53 |
| F 3 | 6 51 | 25 32 | 5 14 | 0 28 | 1 59 | 7 9 | 1 20 | 21 36 | 3 3 | 16 16 | 1 16 | 23 6 | 0 16 | 17 37 | 0 39 | 0 29 | 1 36 | 0 44 | 15 50 | 13 15 | 13 26 | 26 51 | 15 47 | 6 52 |
| S 4 | 7 14 | 21 59 | 5 13 | 0s12 | 1 57 | 6 42 | 1 21 | 21 25 | 3 0 | 16 14 | 1 16 | 23 6 | 0 16 | 17 36 | 0 39 | 0 30 | 1 36 | 0 44 | 15 50 | 13 15 | 13 25 | 26 52 | 15 47 | 6 52 |
| S 5 | 7 37 | 17 19 | 4 54 | 0 54 | 1 54 | 6 15 | 1 23 | 21 14 | 2 57 | 16 12 | 1 16 | 23 6 | 0 16 | 17 36 | 0 39 | 0 30 | 1 36 | 0 44 | 15 50 | 13 14 | 13 24 | 26 53 | 15 48 | 6 51 |
| M 6 | 7 59 | 11 52 | 4 19 | 1 36 | 1 51 | 5 48 | 1 25 | 21 3 | 2 54 | 16 11 | 1 16 | 23 6 | 0 16 | 17 35 | 0 39 | 0 31 | 1 36 | 0 45 | 15 50 | 13 13 | 13 23 | 26 54 | 15 48 | 6 51 |
| T 7 | 8 22 | 5 59 | 3 31 | 2 19 | 1 48 | 5 20 | 1 26 | 20 52 | 2 51 | 16 9 | 1 16 | 23 6 | 0 16 | 17 35 | 0 39 | 0 32 | 1 36 | 0 45 | 15 50 | 13 13 | 13 22 | 26 55 | 15 48 | 6 50 |
| W 8 | 8 44 | 0s 4 | 2 33 | 3 3 | 1 44 | 4 53 | 1 28 | 20 41 | 2 48 | 16 7 | 1 16 | 23 6 | 0 15 | 17 34 | 0 39 | 0 32 | 1 36 | 0 46 | 15 50 | 13 12 | 13 21 | 26 56 | 15 49 | 6 50 |
| T 9 | 9 6 | 6 1 | 1 28 | 3 46 | 1 39 | 4 25 | 1 29 | 20 30 | 2 45 | 16 5 | 1 16 | 23 6 | 0 15 | 17 34 | 0 39 | 0 33 | 1 36 | 0 46 | 15 50 | 13 12 | 13 20 | 26 57 | 15 49 | 6 49 |
| F 10 | 9 29 | 11 38 | 0 20 | 4 29 | 1 34 | 3 57 | 1 30 | 20 18 | 2 42 | 16 3 | 1 16 | 23 6 | 0 15 | 17 33 | 0 39 | 0 33 | 1 36 | 0 46 | 15 50 | 13 12 | 13 19 | 26 58 | 15 49 | 6 49 |
| S 11 | 9 51 | 16 43 | 0s48 | 5 13 | 1 29 | 3 29 | 1 32 | 20 7 | 2 40 | 16 1 | 1 16 | 23 6 | 0 15 | 17 33 | 0 39 | 0 34 | 1 36 | 0 47 | 15 50 | 13 12 | 13 18 | 26 59 | 15 50 | 6 48 |
| S 12 | 10 13 | 21 3 | 1 53 | 5 56 | 1 24 | 3 0 | 1 33 | 19 55 | 2 37 | 15 59 | 1 16 | 23 6 | 0 15 | 17 32 | 0 39 | 0 35 | 1 36 | 0 47 | 15 50 | 13 12 | 13 17 | 27 0 | 15 50 | 6 48 |
| M13 | 10 34 | 24 28 | 2 52 | 6 40 | 1 18 | 2 32 | 1 34 | 19 43 | 2 34 | 15 57 | 1 16 | 23 6 | 0 15 | 17 32 | 0 39 | 0 35 | 1 36 | 0 48 | 15 50 | 13 12 | 13 15 | 27 2 | 15 50 | 6 47 |
| T 14 | 10 56 | 26 48 | 3 43 | 7 23 | 1 12 | 2 3 | 1 35 | 19 31 | 2 31 | 15 55 | 1 16 | 23 5 | 0 15 | 17 31 | 0 39 | 0 36 | 1 36 | 0 48 | 15 50 | 13 12 | 13 14 | 27 3 | 15 50 | 6 47 |
| W15 | 11 17 | 27 55 | 4 24 | 8 6 | 1 6 | 1 35 | 1 36 | 19 19 | 2 29 | 15 53 | 1 16 | 23 5 | 0 15 | 17 31 | 0 39 | 0 36 | 1 36 | 0 48 | 15 50 | 13 13 | 13 13 | 27 4 | 15 51 | 6 46 |
| T 16 | 11 38 | 27 46 | 4 55 | 8 48 | 1 0 | 1 6 | 1 37 | 19 7 | 2 26 | 15 51 | 1 16 | 23 5 | 0 15 | 17 31 | 0 39 | 0 37 | 1 36 | 0 49 | 15 50 | 13 13 | 13 12 | 27 5 | 15 51 | 6 46 |
| F 17 | 11 59 | 26 19 | 5 13 | 9 30 | 0 54 | 0 37 | 1 37 | 18 54 | 2 23 | 15 49 | 1 16 | 23 5 | 0 15 | 17 30 | 0 39 | 0 37 | 1 36 | 0 49 | 15 50 | 13 13 | 13 11 | 27 6 | 15 51 | 6 45 |
| S 18 | 12 20 | 23 38 | 5 17 | 10 11 | 0 48 | 0 8 | 1 38 | 18 42 | 2 21 | 15 47 | 1 16 | 23 5 | 0 14 | 17 30 | 0 39 | 0 38 | 1 36 | 0 49 | 15 50 | 13 13 | 13 10 | 27 7 | 15 51 | 6 45 |
| S 19 | 12 41 | 19 50 | 5 7 | 10 52 | 0 41 | 0s21 | 1 39 | 18 29 | 2 18 | 15 45 | 1 16 | 23 5 | 0 14 | 17 30 | 0 39 | 0 38 | 1 36 | 0 50 | 15 50 | 13 13 | 13 9 | 27 8 | 15 51 | 6 44 |
| M20 | 13 1 | 15 3 | 4 42 | 11 33 | 0 34 | 0 50 | 1 39 | 18 16 | 2 15 | 15 42 | 1 16 | 23 5 | 0 14 | 17 29 | 0 40 | 0 39 | 1 36 | 0 50 | 15 50 | 13 13 | 13 8 | 27 9 | 15 52 | 6 44 |
| T 21 | 13 22 | 9 27 | 4 2 | 12 13 | 0 28 | 1 19 | 1 40 | 18 3 | 2 13 | 15 40 | 1 16 | 23 5 | 0 14 | 17 29 | 0 40 | 0 39 | 1 36 | 0 50 | 15 50 | 13 13 | 13 7 | 27 9 | 15 52 | 6 44 |
| W22 | 13 42 | 3 15 | 3 7 | 12 52 | 0 21 | 1 48 | 1 40 | 17 50 | 2 10 | 15 38 | 1 16 | 23 4 | 0 14 | 17 29 | 0 40 | 0 40 | 1 36 | 0 51 | 15 50 | 13 13 | 13 6 | 27 10 | 15 52 | 6 43 |
| T 23 | 14 2 | 3n18 | 1 59 | 13 30 | 0 14 | 2 17 | 1 40 | 17 37 | 2 8 | 15 36 | 1 16 | 23 4 | 0 14 | 17 28 | 0 40 | 0 40 | 1 36 | 0 51 | 15 50 | 13 13 | 13 5 | 27 11 | 15 52 | 6 43 |
| F 24 | 14 21 | 9 53 | 0 42 | 14 8 | 0 8 | 2 46 | 1 41 | 17 24 | 2 5 | 15 34 | 1 16 | 23 4 | 0 14 | 17 28 | 0 40 | 0 41 | 1 36 | 0 51 | 15 50 | 13 13 | 13 4 | 27 12 | 15 52 | 6 42 |
| S 25 | 14 41 | 16 5 | 0n39 | 14 46 | 0 1 | 3 15 | 1 41 | 17 11 | 2 3 | 15 31 | 1 16 | 23 4 | 0 14 | 17 28 | 0 40 | 0 41 | 1 36 | 0 52 | 15 50 | 13 13 | 13 3 | 27 13 | 15 52 | 6 42 |
| S 26 | 15 0 | 21 25 | 1 58 | 15 22 | 0s 6 | 3 44 | 1 41 | 16 57 | 2 0 | 15 29 | 1 16 | 23 4 | 0 14 | 17 28 | 0 40 | 0 42 | 1 36 | 0 52 | 15 50 | 13 13 | 13 2 | 27 14 | 15 52 | 6 41 |
| M27 | 15 19 | 25 24 | 3 10 | 15 58 | 0 12 | 4 12 | 1 41 | 16 43 | 1 58 | 15 27 | 1 16 | 23 3 | 0 14 | 17 27 | 0 40 | 0 42 | 1 36 | 0 52 | 15 50 | 13 13 | 13 1 | 27 15 | 15 52 | 6 41 |
| T 28 | 15 37 | 27 37 | 4 9 | 16 33 | 0 19 | 4 41 | 1 41 | 16 30 | 1 56 | 15 25 | 1 15 | 23 3 | 0 13 | 17 27 | 0 40 | 0 43 | 1 36 | 0 53 | 15 50 | 13 12 | 12 59 | 27 16 | 15 53 | 6 40 |
| W29 | 15 56 | 27 52 | 4 50 | 17 7 | 0 25 | 5 10 | 1 40 | 16 16 | 1 53 | 15 22 | 1 15 | 23 3 | 0 13 | 17 27 | 0 40 | 0 43 | 1 36 | 0 53 | 15 50 | 13 12 | 12 58 | 27 17 | 15 53 | 6 40 |
| T 30 | 16 14 | 26 13 | 5 13 | 17 40 | 0 32 | 5 39 | 1 40 | 16 2 | 1 51 | 15 20 | 1 15 | 23 3 | 0 13 | 17 27 | 0 40 | 0 44 | 1 36 | 0 53 | 15 50 | 13 12 | 12 57 | 27 18 | 15 53 | 6 40 |
| F 31 | 16s31 | 22n57 | 5n16 | 18s13 | 0s38 | 6s 7 | 1n40 | 15s48 | 1s49 | 15n18 | 1s15 | 23s 3 | 0n13 | 17n27 | 0n40 | 0s44 | 1s36 | 0s53 | 15s50 | 13n12 | 12n56 | 27s19 | 15s53 | 6n39 |

Julian Day Number = 2222088.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'37, Lahiri = 15°05'37 Julian Calendar 1 Oct. 1371 == Greg. Calendar 9 Oct. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## NOVEMBER 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 11 21 | 16♏27'32 | 23♌28 | 20♏48 | 20♎46 | 23♒ 2 | 15°R13 | 8♑23 | 13♌35 | 1°R48 | 7°R39 | 4♉53 | 4♉ 4 | 24♐ 1 | 16♑42 | S 1 |
| S 2 | 3 15 18 | 17°28'07 | 6♍53 | 22°22 | 22° 1 | 23°38 | 15♉ 4 | 8°28 | 13°35 | 1♈47 | 7♉38 | 4°53 | 4° 1 | 24° 8 | 16°45 | S 2 |
| M 3 | 3 19 14 | 18°28'45 | 20° 0 | 23°56 | 23°16 | 24°15 | 14°56 | 8°33 | 13°36 | 1°46 | 7°37 | 4°54 | 3°58 | 24°15 | 16°49 | M 3 |
| T 4 | 3 23 11 | 19°29'24 | 2♎49 | 25°30 | 24°30 | 24°51 | 14°48 | 8°38 | 13°36 | 1°45 | 7°36 | 4°56 | 3°54 | 24°22 | 16°52 | T 4 |
| W 5 | 3 27 7 | 20°30'04 | 15°25 | 27° 3 | 25°45 | 25°28 | 14°40 | 8°44 | 13°37 | 1°44 | 7°35 | 4°57 | 3°51 | 24°28 | 16°56 | W 5 |
| T 6 | 3 31 4 | 21°30'47 | 27°49 | 28°36 | 27° 0 | 26° 5 | 14°32 | 8°49 | 13°37 | 1°43 | 7°34 | 4°58 | 3°48 | 24°35 | 16°59 | T 6 |
| F 7 | 3 35 0 | 22°31'30 | 10♏ 2 | 0♐ 9 | 28°15 | 26°43 | 14°24 | 8°55 | 13°37 | 1°42 | 7°32 | 4°R58 | 3°45 | 24°42 | 17° 3 | F 7 |
| S 8 | 3 38 57 | 23°32'16 | 22° 7 | 1°42 | 29°30 | 27°20 | 14°16 | 9° 1 | 13°37 | 1°41 | 7°31 | 4°57 | 3°42 | 24°48 | 17° 6 | S 8 |
| S 9 | 3 42 53 | 24°33'02 | 4♐ 6 | 3°15 | 0♏45 | 27°57 | 14° 8 | 9° 6 | 13°38 | 1°40 | 7°30 | 4°55 | 3°39 | 24°55 | 17°10 | S 9 |
| M10 | 3 46 50 | 25°33'50 | 15°59 | 4°48 | 2° 0 | 28°35 | 14° 0 | 9°12 | 13°38 | 1°40 | 7°29 | 4°52 | 3°35 | 25° 2 | 17°14 | M10 |
| T 11 | 3 50 47 | 26°34'40 | 27°50 | 6°20 | 3°14 | 29°13 | 13°52 | 9°18 | 13°R38 | 1°39 | 7°28 | 4°48 | 3°32 | 25° 8 | 17°17 | T 11 |
| W12 | 3 54 43 | 27°35'30 | 9♑39 | 7°53 | 4°29 | 29°50 | 13°44 | 9°24 | 13°38 | 1°38 | 7°27 | 4°44 | 3°29 | 25°15 | 17°21 | W12 |
| T 13 | 3 58 40 | 28°36'21 | 21°31 | 9°25 | 5°44 | 0♓28 | 13°37 | 9°30 | 13°38 | 1°37 | 7°26 | 4°40 | 3°26 | 25°22 | 17°25 | T 13 |
| F 14 | 4 2 36 | 29°37'14 | 3♒28 | 10°57 | 7° 0 | 1° 6 | 13°29 | 9°35 | 13°38 | 1°37 | 7°25 | 4°37 | 3°23 | 25°28 | 17°29 | F 14 |
| S 15 | 4 6 33 | 0♐38'07 | 15°34 | 12°29 | 8°15 | 1°44 | 13°22 | 9°41 | 13°37 | 1°36 | 7°24 | 4°35 | 3°20 | 25°35 | 17°33 | S 15 |
| S 16 | 4 10 29 | 1°39'01 | 27°53 | 14° 1 | 9°30 | 2°22 | 13°14 | 9°48 | 13°37 | 1°35 | 7°23 | 4°D34 | 3°16 | 25°42 | 17°37 | S 16 |
| M17 | 4 14 26 | 2°39'56 | 10♓30 | 15°32 | 10°45 | 3° 1 | 13° 7 | 9°54 | 13°37 | 1°35 | 7°22 | 4°34 | 3°13 | 25°49 | 17°41 | M17 |
| T 18 | 4 18 22 | 3°40'51 | 23°28 | 17° 4 | 12° 0 | 3°39 | 13° 0 | 10° 0 | 13°36 | 1°34 | 7°21 | 4°35 | 3°10 | 25°55 | 17°45 | T 18 |
| W19 | 4 22 19 | 4°41'47 | 6♈53 | 18°35 | 13°15 | 4°17 | 12°53 | 10° 6 | 13°36 | 1°33 | 7°20 | 4°37 | 3° 7 | 26° 2 | 17°49 | W19 |
| T 20 | 4 26 16 | 5°42'44 | 20°45 | 20° 6 | 14°30 | 4°56 | 12°46 | 10°12 | 13°36 | 1°33 | 7°19 | 4°38 | 3° 4 | 26° 9 | 17°54 | T 20 |
| F 21 | 4 30 12 | 6°43'42 | 5♉ 4 | 21°36 | 15°45 | 5°34 | 12°39 | 10°18 | 13°35 | 1°32 | 7°18 | 4°R39 | 3° 0 | 26°15 | 17°58 | F 21 |
| S 22 | 4 34 9 | 7°44'41 | 19°49 | 23° 6 | 17° 0 | 6°13 | 12°32 | 10°25 | 13°34 | 1°32 | 7°17 | 4°38 | 2°57 | 26°22 | 18° 2 | S 22 |
| S 23 | 4 38 5 | 8°45'40 | 4♊53 | 24°36 | 18°15 | 6°52 | 12°26 | 10°31 | 13°34 | 1°32 | 7°16 | 4°35 | 2°54 | 26°29 | 18° 6 | S 23 |
| M24 | 4 42 2 | 9°46'41 | 20° 7 | 26° 5 | 19°31 | 7°31 | 12°19 | 10°38 | 13°33 | 1°31 | 7°15 | 4°31 | 2°51 | 26°35 | 18°11 | M24 |
| T 25 | 4 45 58 | 10°47'42 | 5♋22 | 27°33 | 20°46 | 8°10 | 12°13 | 10°44 | 13°32 | 1°31 | 7°14 | 4°26 | 2°48 | 26°42 | 18°15 | T 25 |
| W26 | 4 49 55 | 11°48'44 | 20°26 | 29° 0 | 22° 1 | 8°49 | 12° 7 | 10°50 | 13°32 | 1°30 | 7°13 | 4°20 | 2°45 | 26°49 | 18°19 | W26 |
| T 27 | 4 53 52 | 12°49'47 | 5♌11 | 0♑27 | 23°16 | 9°27 | 12° 1 | 10°57 | 13°31 | 1°30 | 7°13 | 4°15 | 2°41 | 26°56 | 18°24 | T 27 |
| F 28 | 4 57 48 | 13°50'51 | 19°31 | 1°52 | 24°32 | 10° 7 | 11°55 | 11° 4 | 13°30 | 1°30 | 7°12 | 4°11 | 2°38 | 27° 2 | 18°28 | F 28 |
| S 29 | 5 1 45 | 14°51'56 | 3♍24 | 3°16 | 25°47 | 10°46 | 11°49 | 11°10 | 13°29 | 1°30 | 7°11 | 4° 8 | 2°35 | 27° 9 | 18°33 | S 29 |
| S 30 | 5 5 41 | 15♐53'02 | 16♍49 | 4♑38 | 27♏ 2 | 11♓25 | 11♉44 | 11♑17 | 13♌28 | 1♈29 | 7♉10 | 4°D 8 | 2♉32 | 27♐16 | 18♑38 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s49 | 18n28 | 5n 0 | 18s44 | 0s45 | 6s36 | 1n39 | 15s34 | 1s46 | 15n15 | 1s15 | 23s 2 | 0n13 | 17n27 | 0n40 | 0s44 | 1s36 | 0s54 | 15s50 | 13n12 | 12n55 | 27s20 | 15s53 | 6n39 |
| S 2 | 17 6 | 13 10 | 4 29 | 19 15 | 0 51 | 7 4 | 1 39 | 15 20 | 1 44 | 15 13 | 1 15 | 23 2 | 0 13 | 17 27 | 0 40 | 0 45 | 1 36 | 0 54 | 15 50 | 13 12 | 12 54 | 27 20 | 15 53 | 6 38 |
| M 3 | 17 23 | 7 24 | 3 44 | 19 45 | 0 57 | 7 33 | 1 38 | 15 5 | 1 42 | 15 11 | 1 15 | 23 2 | 0 13 | 17 26 | 0 40 | 0 45 | 1 35 | 0 54 | 15 50 | 13 12 | 12 53 | 27 21 | 15 53 | 6 38 |
| T 4 | 17 40 | 1 27 | 2 49 | 20 13 | 1 3 | 8 1 | 1 38 | 14 51 | 1 40 | 15 9 | 1 15 | 23 2 | 0 13 | 17 26 | 0 40 | 0 46 | 1 35 | 0 54 | 15 50 | 13 13 | 12 52 | 27 22 | 15 53 | 6 38 |
| W 5 | 17 56 | 4s28 | 1 46 | 20 41 | 1 9 | 8 29 | 1 37 | 14 36 | 1 37 | 15 6 | 1 15 | 23 1 | 0 13 | 17 26 | 0 40 | 0 46 | 1 35 | 0 55 | 15 50 | 13 13 | 12 51 | 27 23 | 15 53 | 6 37 |
| T 6 | 18 12 | 10 7 | 0 39 | 21 8 | 1 15 | 8 56 | 1 36 | 14 21 | 1 35 | 15 4 | 1 14 | 23 1 | 0 13 | 17 26 | 0 40 | 0 46 | 1 35 | 0 55 | 15 50 | 13 13 | 12 50 | 27 24 | 15 53 | 6 37 |
| F 7 | 18 28 | 15 19 | 0s28 | 21 34 | 1 20 | 9 24 | 1 36 | 14 7 | 1 33 | 15 2 | 1 14 | 23 1 | 0 13 | 17 26 | 0 40 | 0 47 | 1 35 | 0 55 | 15 49 | 13 13 | 12 49 | 27 25 | 15 53 | 6 36 |
| S 8 | 18 43 | 19 52 | 1 33 | 21 58 | 1 26 | 9 51 | 1 35 | 13 52 | 1 31 | 15 0 | 1 14 | 23 0 | 0 12 | 17 26 | 0 40 | 0 47 | 1 35 | 0 55 | 15 49 | 13 13 | 12 48 | 27 26 | 15 52 | 6 36 |
| S 9 | 18 58 | 23 34 | 2 34 | 22 22 | 1 31 | 10 19 | 1 34 | 13 37 | 1 29 | 14 58 | 1 14 | 23 0 | 0 12 | 17 26 | 0 40 | 0 47 | 1 35 | 0 56 | 15 49 | 13 12 | 12 46 | 27 26 | 15 52 | 6 36 |
| M10 | 19 13 | 26 13 | 3 27 | 22 44 | 1 36 | 10 46 | 1 33 | 13 22 | 1 27 | 14 55 | 1 14 | 23 0 | 0 12 | 17 26 | 0 40 | 0 48 | 1 35 | 0 56 | 15 49 | 13 11 | 12 45 | 27 27 | 15 52 | 6 35 |
| T 11 | 19 27 | 27 42 | 4 11 | 23 6 | 1 41 | 11 12 | 1 32 | 13 7 | 1 25 | 14 53 | 1 14 | 23 0 | 0 12 | 17 26 | 0 40 | 0 48 | 1 35 | 0 56 | 15 49 | 13 10 | 12 44 | 27 28 | 15 52 | 6 35 |
| W12 | 19 41 | 27 54 | 4 45 | 23 26 | 1 45 | 11 39 | 1 30 | 12 51 | 1 23 | 14 51 | 1 13 | 22 59 | 0 12 | 17 26 | 0 41 | 0 48 | 1 35 | 0 56 | 15 49 | 13 9 | 12 43 | 27 29 | 15 52 | 6 35 |
| T 13 | 19 55 | 26 49 | 5 6 | 23 45 | 1 50 | 12 5 | 1 29 | 12 36 | 1 21 | 14 49 | 1 13 | 22 59 | 0 12 | 17 26 | 0 41 | 0 48 | 1 35 | 0 56 | 15 49 | 13 7 | 12 42 | 27 30 | 15 52 | 6 34 |
| F 14 | 20 8 | 24 32 | 5 14 | 24 3 | 1 54 | 12 31 | 1 28 | 12 21 | 1 19 | 14 47 | 1 13 | 22 59 | 0 12 | 17 26 | 0 41 | 0 49 | 1 35 | 0 57 | 15 49 | 13 6 | 12 41 | 27 30 | 15 52 | 6 34 |
| S 15 | 20 21 | 21 7 | 5 8 | 24 19 | 1 58 | 12 56 | 1 26 | 12 5 | 1 17 | 14 45 | 1 13 | 22 58 | 0 12 | 17 27 | 0 41 | 0 49 | 1 35 | 0 57 | 15 48 | 13 6 | 12 40 | 27 31 | 15 52 | 6 34 |
| S 16 | 20 34 | 16 45 | 4 48 | 24 34 | 2 1 | 13 22 | 1 25 | 11 50 | 1 15 | 14 43 | 1 13 | 22 58 | 0 12 | 17 27 | 0 41 | 0 49 | 1 35 | 0 57 | 15 48 | 13 5 | 12 39 | 27 32 | 15 51 | 6 33 |
| M17 | 20 46 | 11 35 | 4 14 | 24 48 | 2 5 | 13 47 | 1 24 | 11 34 | 1 13 | 14 41 | 1 12 | 22 57 | 0 12 | 17 27 | 0 41 | 0 49 | 1 35 | 0 57 | 15 48 | 13 5 | 12 38 | 27 33 | 15 51 | 6 33 |
| T 18 | 20 58 | 5 46 | 3 27 | 25 1 | 2 8 | 14 11 | 1 22 | 11 18 | 1 11 | 14 39 | 1 12 | 22 57 | 0 12 | 17 27 | 0 41 | 0 49 | 1 35 | 0 57 | 15 48 | 13 6 | 12 37 | 27 33 | 15 51 | 6 33 |
| W19 | 21 9 | 0n30 | 2 26 | 25 12 | 2 11 | 14 35 | 1 21 | 11 2 | 1 9 | 14 37 | 1 12 | 22 57 | 0 12 | 17 27 | 0 41 | 0 50 | 1 35 | 0 57 | 15 48 | 13 6 | 12 36 | 27 34 | 15 51 | 6 32 |
| T 20 | 21 20 | 6 58 | 1 15 | 25 22 | 2 13 | 14 59 | 1 19 | 10 47 | 1 7 | 14 35 | 1 12 | 22 56 | 0 11 | 17 27 | 0 41 | 0 50 | 1 35 | 0 58 | 15 48 | 13 7 | 12 35 | 27 35 | 15 51 | 6 32 |
| F 21 | 21 31 | 13 18 | 0n 2 | 25 30 | 2 15 | 15 23 | 1 17 | 10 31 | 1 5 | 14 33 | 1 12 | 22 56 | 0 11 | 17 27 | 0 41 | 0 50 | 1 35 | 0 58 | 15 47 | 13 7 | 12 33 | 27 36 | 15 50 | 6 32 |
| S 22 | 21 41 | 19 4 | 1 22 | 25 37 | 2 16 | 15 46 | 1 15 | 10 15 | 1 3 | 14 31 | 1 11 | 22 56 | 0 11 | 17 28 | 0 41 | 0 50 | 1 35 | 0 58 | 15 47 | 13 7 | 12 32 | 27 36 | 15 50 | 6 31 |
| S 23 | 21 50 | 23 46 | 2 38 | 25 42 | 2 17 | 16 9 | 1 14 | 9 59 | 1 2 | 14 29 | 1 11 | 22 55 | 0 11 | 17 28 | 0 41 | 0 50 | 1 35 | 0 58 | 15 47 | 13 6 | 12 31 | 27 37 | 15 50 | 6 31 |
| M24 | 22 0 | 26 51 | 3 43 | 25 46 | 2 18 | 16 31 | 1 12 | 9 42 | 1 0 | 14 28 | 1 11 | 22 55 | 0 11 | 17 28 | 0 41 | 0 50 | 1 35 | 0 58 | 15 47 | 13 4 | 12 30 | 27 38 | 15 50 | 6 31 |
| T 25 | 22 9 | 27 56 | 4 32 | 25 48 | 2 18 | 16 53 | 1 10 | 9 26 | 0 58 | 14 26 | 1 11 | 22 54 | 0 11 | 17 28 | 0 41 | 0 50 | 1 35 | 0 58 | 15 47 | 13 3 | 12 29 | 27 39 | 15 49 | 6 31 |
| W26 | 22 17 | 26 56 | 5 2 | 25 49 | 2 18 | 17 14 | 1 8 | 9 10 | 0 56 | 14 24 | 1 10 | 22 54 | 0 11 | 17 29 | 0 41 | 0 51 | 1 35 | 0 58 | 15 46 | 13 1 | 12 28 | 27 39 | 15 49 | 6 30 |
| T 27 | 22 25 | 24 3 | 5 10 | 25 48 | 2 17 | 17 35 | 1 6 | 8 54 | 0 55 | 14 23 | 1 10 | 22 53 | 0 11 | 17 29 | 0 41 | 0 51 | 1 34 | 0 58 | 15 46 | 12 59 | 12 27 | 27 40 | 15 49 | 6 30 |
| F 28 | 22 33 | 19 45 | 5 0 | 25 46 | 2 16 | 17 56 | 1 4 | 8 37 | 0 53 | 14 21 | 1 10 | 22 53 | 0 11 | 17 29 | 0 41 | 0 51 | 1 34 | 0 58 | 15 46 | 12 57 | 12 26 | 27 41 | 15 48 | 6 30 |
| S 29 | 22 40 | 14 30 | 4 31 | 25 42 | 2 13 | 18 16 | 1 2 | 8 21 | 0 51 | 14 20 | 1 10 | 22 52 | 0 11 | 17 29 | 0 41 | 0 51 | 1 34 | 0 58 | 15 46 | 12 57 | 12 25 | 27 41 | 15 48 | 6 30 |
| S 30 | 22s46 | 8n44 | 3n49 | 25s37 | 2s11 | 18s35 | 1n 0 | 8s 4 | 0s49 | 14n18 | 1s 9 | 22s52 | 0n11 | 17n30 | 0n41 | 0s51 | 1s34 | 0s58 | 15s46 | 12n56 | 12n24 | 27s42 | 15s48 | 6n29 |

Julian Day Number = 2222119.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'41, Lahiri = 15°05'42 Julian Calendar 1 Nov. 1371 == Greg. Calendar 9 Nov. 1371


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# ASTRODIENST EPHEMERIS for the year 1371
# geocentric

## DECEMBER 1371 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 9 38 | 16♐54'09 | 29♍51 | 5♑59 | 28♏17 | 12♓ 4 | 11°R38 | 11♑23 | 13°R27 | 1°R29 | 7°R 9 | 4♉ 8 | 2♉29 | 27♐22 | 18♑42 | M 1 |
| T 2 | 5 13 34 | 17°55'17 | 12♎31 | 7°17 | 29°33 | 12°43 | 11♉33 | 11°30 | 13♌26 | 1♈29 | 7♉ 8 | 4°10 | 2°26 | 27°29 | 18°47 | T 2 |
| W 3 | 5 17 31 | 18°56'25 | 24°54 | 8°32 | 0♐48 | 13°23 | 11°28 | 11°37 | 13°25 | 1°29 | 7° 7 | 4°11 | 2°22 | 27°36 | 18°51 | W 3 |
| T 4 | 5 21 27 | 19°57'34 | 7♏ 4 | 9°44 | 2° 3 | 14° 2 | 11°23 | 11°44 | 13°24 | 1°29 | 7° 7 | 4°R12 | 2°19 | 27°42 | 18°56 | T 4 |
| F 5 | 5 25 24 | 20°58'44 | 19° 6 | 10°52 | 3°19 | 14°42 | 11°19 | 11°50 | 13°22 | 1°D29 | 7° 6 | 4°10 | 2°16 | 27°49 | 19° 1 | F 5 |
| S 6 | 5 29 21 | 21°59'54 | 1♐ 1 | 11°57 | 4°34 | 15°21 | 11°14 | 11°57 | 13°21 | 1°29 | 7° 5 | 4° 7 | 2°13 | 27°56 | 19° 6 | S 6 |
| S 7 | 5 33 17 | 23° 1'05 | 12°53 | 12°56 | 5°49 | 16° 1 | 11°10 | 12° 4 | 13°20 | 1°29 | 7° 4 | 4° 1 | 2°10 | 28° 3 | 19°10 | S 7 |
| M 8 | 5 37 14 | 24° 2'16 | 24°44 | 13°50 | 7° 5 | 16°40 | 11° 6 | 12°11 | 13°18 | 1°29 | 7° 4 | 3°52 | 2° 6 | 28° 9 | 19°15 | M 8 |
| T 9 | 5 41 10 | 25° 3'28 | 6♑34 | 14°37 | 8°20 | 17°20 | 11° 2 | 12°18 | 13°17 | 1°29 | 7° 3 | 3°42 | 2° 3 | 28°16 | 19°20 | T 9 |
| W10 | 5 45 7 | 26° 4'40 | 18°27 | 15°17 | 9°35 | 18° 0 | 10°58 | 12°25 | 13°15 | 1°29 | 7° 2 | 3°31 | 2° 0 | 28°23 | 19°25 | W10 |
| T 11 | 5 49 3 | 27° 5'52 | 0♒22 | 15°48 | 10°51 | 18°39 | 10°54 | 12°32 | 13°14 | 1°30 | 7° 2 | 3°20 | 1°57 | 28°29 | 19°30 | T 11 |
| F 12 | 5 53 0 | 28° 7'04 | 12°23 | 16°11 | 12° 6 | 19°19 | 10°51 | 12°38 | 13°12 | 1°30 | 7° 1 | 3°11 | 1°54 | 28°36 | 19°35 | F 12 |
| S 13 | 5 56 56 | 29° 8'16 | 24°31 | 16°23 | 13°21 | 19°59 | 10°48 | 12°45 | 13°11 | 1°30 | 7° 0 | 3° 3 | 1°51 | 28°43 | 19°40 | S 13 |
| S 14 | 6 0 53 | 0♑ 9'27 | 6♓50 | 16°R25 | 14°37 | 20°39 | 10°45 | 12°52 | 13° 9 | 1°30 | 7° 0 | 2°58 | 1°47 | 28°49 | 19°44 | S 14 |
| M15 | 6 4 50 | 1°10'39 | 19°24 | 16°15 | 15°52 | 21°19 | 10°42 | 12°59 | 13° 7 | 1°31 | 6°59 | 2°55 | 1°44 | 28°56 | 19°49 | M15 |
| T 16 | 6 8 46 | 2°11'50 | 2♈15 | 15°54 | 17° 7 | 21°59 | 10°39 | 13° 6 | 13° 5 | 1°31 | 6°58 | 2°D54 | 1°41 | 29° 3 | 19°54 | T 16 |
| W17 | 6 12 43 | 3°13'01 | 15°29 | 15°20 | 18°23 | 22°38 | 10°37 | 13°13 | 13° 4 | 1°32 | 6°58 | 2°54 | 1°38 | 29°10 | 19°59 | W17 |
| T 18 | 6 16 39 | 4°14'12 | 29° 8 | 14°35 | 19°38 | 23°18 | 10°35 | 13°20 | 13° 2 | 1°32 | 6°57 | 2°R55 | 1°35 | 29°16 | 20° 4 | T 18 |
| F 19 | 6 20 36 | 5°15'22 | 13♉15 | 13°40 | 20°54 | 23°58 | 10°33 | 13°28 | 13° 0 | 1°32 | 6°57 | 2°55 | 1°32 | 29°23 | 20° 9 | F 19 |
| S 20 | 6 24 32 | 6°16'32 | 27°49 | 12°35 | 22° 9 | 24°38 | 10°31 | 13°35 | 12°58 | 1°33 | 6°56 | 2°52 | 1°28 | 29°30 | 20°14 | S 20 |
| S 21 | 6 28 29 | 7°17'41 | 12♊47 | 11°23 | 23°24 | 25°18 | 10°30 | 13°42 | 12°56 | 1°34 | 6°56 | 2°47 | 1°25 | 29°36 | 20°20 | S 21 |
| M22 | 6 32 25 | 8°18'51 | 28° 1 | 10° 6 | 24°40 | 25°58 | 10°28 | 13°49 | 12°54 | 1°34 | 6°55 | 2°40 | 1°22 | 29°43 | 20°25 | M22 |
| T 23 | 6 36 22 | 9°20'00 | 13♋22 | 8°46 | 25°55 | 26°39 | 10°27 | 13°56 | 12°52 | 1°35 | 6°55 | 2°30 | 1°19 | 29°50 | 20°30 | T 23 |
| W24 | 6 40 19 | 10°21'09 | 28°38 | 7°26 | 27°10 | 27°19 | 10°26 | 14° 3 | 12°50 | 1°35 | 6°54 | 2°19 | 1°16 | 29°56 | 20°35 | W24 |
| T 25 | 6 44 15 | 11°22'17 | 13♌38 | 6° 8 | 28°26 | 27°59 | 10°25 | 14°10 | 12°48 | 1°36 | 6°54 | 2° 9 | 1°12 | 0♑ 3 | 20°40 | T 25 |
| F 26 | 6 48 12 | 12°23'26 | 28°13 | 4°55 | 29°41 | 28°39 | 10°25 | 14°17 | 12°46 | 1°37 | 6°54 | 2° 1 | 1° 9 | 0°10 | 20°45 | F 26 |
| S 27 | 6 52 8 | 13°24'34 | 12♍18 | 3°49 | 0♑56 | 29°19 | 10°25 | 14°24 | 12°44 | 1°38 | 6°53 | 1°54 | 1° 6 | 0°17 | 20°50 | S 27 |
| S 28 | 6 56 5 | 14°25'42 | 25°53 | 2°50 | 2°12 | 29°59 | 10°D24 | 14°31 | 12°41 | 1°38 | 6°53 | 1°51 | 1° 3 | 0°23 | 20°55 | S 28 |
| M29 | 7 0 1 | 15°26'49 | 8♎59 | 2° 1 | 3°27 | 0♈39 | 10°25 | 14°38 | 12°39 | 1°39 | 6°53 | 1°49 | 1° 0 | 0°30 | 21° 0 | M29 |
| T 30 | 7 3 58 | 16°27'57 | 21°40 | 1°21 | 4°42 | 1°19 | 10°25 | 14°46 | 12°37 | 1°40 | 6°52 | 1°D49 | 0°57 | 0°37 | 21° 5 | T 30 |
| W31 | 7 7 55 | 17♑29'04 | 4♏ 1 | 0♑50 | 5♑58 | 2♈ 0 | 10♉25 | 14♑53 | 12♌35 | 1♈41 | 6♉52 | 1°R49 | 0♉53 | 0♑43 | 21♑11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s53 | 2n45 | 2n55 | 25s30 | 2s 7 | 18s55 | 0n58 | 7s48 | 0s48 | 14n17 | 1s 9 | 22s51 | 0n11 | 17n30 | 0n41 | 0s51 | 1s34 | 0s58 | 15s45 | 12n57 | 12n23 | 27s43 | 15s47 | 6n29 |
| T 2 | 22 58 | 3s12 | 1 55 | 25 22 | 2 3 | 19 13 | 0 56 | 7 31 | 0 46 | 14 15 | 1 9 | 22 51 | 0 10 | 17 30 | 0 41 | 0 51 | 1 34 | 0 58 | 15 45 | 12 57 | 12 21 | 27 43 | 15 47 | 6 29 |
| W 3 | 23 4 | 8 54 | 0 50 | 25 12 | 1 57 | 19 31 | 0 53 | 7 14 | 0 45 | 14 14 | 1 9 | 22 50 | 0 10 | 17 31 | 0 41 | 0 51 | 1 34 | 0 58 | 15 45 | 12 58 | 12 20 | 27 44 | 15 46 | 6 29 |
| T 4 | 23 8 | 14 10 | 0s16 | 25 1 | 1 51 | 19 48 | 0 51 | 6 58 | 0 43 | 14 13 | 1 8 | 22 50 | 0 10 | 17 31 | 0 41 | 0 51 | 1 34 | 0 58 | 15 45 | 12 58 | 12 19 | 27 44 | 15 46 | 6 28 |
| F 5 | 23 13 | 18 50 | 1 20 | 24 48 | 1 44 | 20 5 | 0 49 | 6 41 | 0 41 | 14 12 | 1 8 | 22 49 | 0 10 | 17 32 | 0 41 | 0 51 | 1 34 | 0 58 | 15 44 | 12 57 | 12 18 | 27 45 | 15 46 | 6 28 |
| S 6 | 23 17 | 22 43 | 2 20 | 24 35 | 1 36 | 20 22 | 0 47 | 6 24 | 0 40 | 14 11 | 1 8 | 22 49 | 0 10 | 17 32 | 0 41 | 0 51 | 1 34 | 0 58 | 15 44 | 12 56 | 12 17 | 27 46 | 15 45 | 6 28 |
| S 7 | 23 20 | 25 37 | 3 13 | 24 20 | 1 27 | 20 37 | 0 44 | 6 7 | 0 38 | 14 9 | 1 8 | 22 48 | 0 10 | 17 32 | 0 42 | 0 51 | 1 34 | 0 58 | 15 44 | 12 54 | 12 16 | 27 46 | 15 45 | 6 28 |
| M 8 | 23 23 | 27 22 | 3 58 | 24 4 | 1 16 | 20 53 | 0 42 | 5 51 | 0 37 | 14 8 | 1 7 | 22 48 | 0 10 | 17 33 | 0 42 | 0 51 | 1 34 | 0 58 | 15 44 | 12 51 | 12 15 | 27 47 | 15 44 | 6 28 |
| T 9 | 23 26 | 27 53 | 4 32 | 23 48 | 1 5 | 21 7 | 0 40 | 5 34 | 0 35 | 14 8 | 1 7 | 22 47 | 0 10 | 17 33 | 0 42 | 0 50 | 1 34 | 0 58 | 15 43 | 12 48 | 12 14 | 27 47 | 15 44 | 6 27 |
| W10 | 23 28 | 27 7 | 4 55 | 23 31 | 0 52 | 21 21 | 0 37 | 5 17 | 0 34 | 14 7 | 1 7 | 22 47 | 0 10 | 17 34 | 0 42 | 0 50 | 1 34 | 0 58 | 15 43 | 12 44 | 12 13 | 27 48 | 15 43 | 6 27 |
| T 11 | 23 29 | 25 6 | 5 5 | 23 13 | 0 38 | 21 34 | 0 35 | 5 0 | 0 32 | 14 6 | 1 7 | 22 46 | 0 10 | 17 34 | 0 42 | 0 50 | 1 34 | 0 58 | 15 43 | 12 40 | 12 12 | 27 49 | 15 43 | 6 27 |
| F 12 | 23 31 | 21 57 | 5 1 | 22 55 | 0 23 | 21 47 | 0 33 | 4 43 | 0 31 | 14 5 | 1 6 | 22 46 | 0 10 | 17 35 | 0 42 | 0 50 | 1 34 | 0 58 | 15 42 | 12 37 | 12 10 | 27 49 | 15 42 | 6 27 |
| S 13 | 23 31 | 17 51 | 4 44 | 22 38 | 0 7 | 21 59 | 0 30 | 4 26 | 0 29 | 14 4 | 1 6 | 22 45 | 0 10 | 17 35 | 0 42 | 0 50 | 1 34 | 0 58 | 15 42 | 12 34 | 12 9 | 27 50 | 15 42 | 6 27 |
| S 14 | 23 31 | 12 57 | 4 14 | 22 20 | 0n10 | 22 10 | 0 28 | 4 9 | 0 28 | 14 4 | 1 6 | 22 44 | 0 10 | 17 36 | 0 42 | 0 50 | 1 34 | 0 58 | 15 42 | 12 32 | 12 8 | 27 50 | 15 41 | 6 27 |
| M15 | 23 31 | 7 26 | 3 31 | 22 3 | 0 29 | 22 21 | 0 25 | 3 52 | 0 26 | 14 3 | 1 5 | 22 44 | 0 9 | 17 36 | 0 42 | 0 50 | 1 34 | 0 58 | 15 42 | 12 31 | 12 7 | 27 51 | 15 41 | 6 27 |
| T 16 | 23 30 | 1 29 | 2 36 | 21 47 | 0 48 | 22 31 | 0 23 | 3 35 | 0 25 | 14 2 | 1 5 | 22 43 | 0 9 | 17 37 | 0 42 | 0 49 | 1 34 | 0 58 | 15 41 | 12 31 | 12 6 | 27 51 | 15 40 | 6 26 |
| W17 | 23 29 | 4n42 | 1 32 | 21 32 | 1 7 | 22 41 | 0 20 | 3 18 | 0 24 | 14 2 | 1 5 | 22 43 | 0 9 | 17 37 | 0 42 | 0 49 | 1 34 | 0 58 | 15 41 | 12 31 | 12 5 | 27 52 | 15 40 | 6 26 |
| T 18 | 23 27 | 10 53 | 0 20 | 21 17 | 1 27 | 22 49 | 0 18 | 3 0 | 0 22 | 14 2 | 1 5 | 22 42 | 0 9 | 17 38 | 0 42 | 0 49 | 1 33 | 0 58 | 15 41 | 12 32 | 12 4 | 27 52 | 15 39 | 6 26 |
| F 19 | 23 25 | 16 44 | 0n55 | 21 4 | 1 46 | 22 57 | 0 15 | 2 43 | 0 21 | 14 1 | 1 4 | 22 41 | 0 9 | 17 38 | 0 42 | 0 49 | 1 33 | 0 58 | 15 40 | 12 31 | 12 3 | 27 53 | 15 38 | 6 26 |
| S 20 | 23 22 | 21 50 | 2 9 | 20 52 | 2 4 | 23 5 | 0 13 | 2 26 | 0 20 | 14 1 | 1 4 | 22 41 | 0 9 | 17 39 | 0 42 | 0 49 | 1 33 | 0 57 | 15 40 | 12 31 | 12 2 | 27 53 | 15 38 | 6 26 |
| S 21 | 23 19 | 25 38 | 3 15 | 20 41 | 2 22 | 23 11 | 0 10 | 2 9 | 0 18 | 14 1 | 1 4 | 22 40 | 0 9 | 17 40 | 0 42 | 0 48 | 1 33 | 0 57 | 15 40 | 12 29 | 12 1 | 27 54 | 15 37 | 6 26 |
| M22 | 23 16 | 27 40 | 4 9 | 20 31 | 2 37 | 23 17 | 0 8 | 1 52 | 0 17 | 14 1 | 1 3 | 22 39 | 0 9 | 17 40 | 0 42 | 0 48 | 1 33 | 0 57 | 15 40 | 12 26 | 11 59 | 27 54 | 15 36 | 6 26 |
| T 23 | 23 12 | 27 35 | 4 46 | 20 23 | 2 51 | 23 22 | 0 5 | 1 35 | 0 16 | 14 1 | 1 3 | 22 39 | 0 9 | 17 41 | 0 42 | 0 48 | 1 33 | 0 57 | 15 39 | 12 23 | 11 58 | 27 55 | 15 36 | 6 26 |
| W24 | 23 7 | 25 25 | 5 2 | 20 17 | 3 2 | 23 27 | 0 3 | 1 18 | 0 14 | 14 1 | 1 3 | 22 38 | 0 9 | 17 41 | 0 42 | 0 47 | 1 33 | 0 57 | 15 39 | 12 19 | 11 57 | 27 55 | 15 35 | 6 26 |
| T 25 | 23 2 | 21 31 | 4 56 | 20 12 | 3 11 | 23 30 | 0 0 | 1 0 | 0 13 | 14 1 | 1 2 | 22 37 | 0 9 | 17 42 | 0 42 | 0 47 | 1 33 | 0 57 | 15 39 | 12 16 | 11 56 | 27 56 | 15 34 | 6 26 |
| F 26 | 22 57 | 16 23 | 4 32 | 20 8 | 3 18 | 23 33 | 0s 2 | 0 43 | 0 12 | 14 1 | 1 2 | 22 37 | 0 9 | 17 43 | 0 42 | 0 47 | 1 33 | 0 56 | 15 38 | 12 13 | 11 55 | 27 56 | 15 34 | 6 25 |
| S 27 | 22 51 | 10 31 | 3 51 | 20 6 | 3 22 | 23 36 | 0 5 | 0 26 | 0 11 | 14 1 | 1 2 | 22 36 | 0 9 | 17 43 | 0 42 | 0 46 | 1 33 | 0 56 | 15 38 | 12 11 | 11 54 | 27 57 | 15 33 | 6 25 |
| S 28 | 22 44 | 4 22 | 2 58 | 20 6 | 3 24 | 23 37 | 0 7 | 0 9 | 0 10 | 14 1 | 1 2 | 22 35 | 0 9 | 17 44 | 0 42 | 0 46 | 1 33 | 0 56 | 15 38 | 12 9 | 11 53 | 27 57 | 15 32 | 6 25 |
| M29 | 22 37 | 1s46 | 1 58 | 20 7 | 3 23 | 23 38 | 0 9 | 0n 8 | 0 8 | 14 1 | 1 1 | 22 35 | 0 8 | 17 45 | 0 42 | 0 46 | 1 33 | 0 56 | 15 37 | 12 9 | 11 52 | 27 58 | 15 32 | 6 25 |
| T 30 | 22 30 | 7 39 | 0 54 | 20 10 | 3 21 | 23 38 | 0 12 | 0 25 | 0 7 | 14 2 | 1 1 | 22 34 | 0 8 | 17 45 | 0 42 | 0 45 | 1 33 | 0 56 | 15 37 | 12 9 | 11 51 | 27 58 | 15 31 | 6 25 |
| W31 | 22s23 | 13s 5 | 0s12 | 20s15 | 3n16 | 23s38 | 0s14 | 0n42 | 0s 6 | 14n 2 | 1s 1 | 22s33 | 0n 8 | 17n46 | 0n42 | 0s45 | 1s33 | 0s55 | 15s37 | 12n 9 | 11n49 | 27s58 | 15s30 | 6n25 |

Julian Day Number = 2222149.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'45, Lahiri = 15°05'46 Julian Calendar 1 Dec. 1371 == Greg. Calendar 9 Dec. 1371


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## JANUARY 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 11 51 | 18♑30'11 | 16♏ 7 | 0°R30 | 7♑13 | 2♈40 | 10♉26 | 15♑ 0 | 12°R32 | 1♈42 | 6°R52 | 1°R48 | 0♉50 | 0♑50 | 21♑16 | T 1 |
| F 2 | 7 15 48 | 19°31'17 | 28° 3 | 0♑18 | 8°28 | 3°20 | 10°27 | 15° 7 | 12♌30 | 1°43 | 6♉51 | 1♉45 | 0°47 | 0°57 | 21°21 | F 2 |
| S 3 | 7 19 44 | 20°32'24 | 9♐53 | 0°D15 | 9°44 | 4° 0 | 10°28 | 15°14 | 12°28 | 1°44 | 6°51 | 1°40 | 0°44 | 1° 4 | 21°26 | S 3 |
| S 4 | 7 23 41 | 21°33'29 | 21°42 | 0°20 | 10°59 | 4°41 | 10°30 | 15°21 | 12°25 | 1°45 | 6°51 | 1°31 | 0°41 | 1°10 | 21°31 | S 4 |
| M 5 | 7 27 37 | 22°34'35 | 3♑32 | 0°33 | 12°14 | 5°21 | 10°31 | 15°28 | 12°23 | 1°46 | 6°51 | 1°20 | 0°38 | 1°17 | 21°36 | M 5 |
| T 6 | 7 31 34 | 23°35'39 | 15°25 | 0°52 | 13°30 | 6° 1 | 10°33 | 15°35 | 12°21 | 1°47 | 6°51 | 1° 6 | 0°34 | 1°24 | 21°41 | T 6 |
| W 7 | 7 35 30 | 24°36'43 | 27°23 | 1°18 | 14°45 | 6°41 | 10°35 | 15°42 | 12°18 | 1°48 | 6°51 | 0°51 | 0°31 | 1°30 | 21°47 | W 7 |
| T 8 | 7 39 27 | 25°37'46 | 9♒27 | 1°50 | 16° 0 | 7°22 | 10°37 | 15°49 | 12°16 | 1°49 | 6°50 | 0°36 | 0°28 | 1°37 | 21°52 | T 8 |
| F 9 | 7 43 24 | 26°38'47 | 21°37 | 2°27 | 17°16 | 8° 2 | 10°39 | 15°56 | 12°13 | 1°50 | 6°50 | 0°22 | 0°25 | 1°44 | 21°57 | F 9 |
| S 10 | 7 47 20 | 27°39'48 | 3♓55 | 3° 9 | 18°31 | 8°42 | 10°42 | 16° 3 | 12°11 | 1°51 | 6°50 | 0°11 | 0°22 | 1°50 | 22° 2 | S 10 |
| S 11 | 7 51 17 | 28°40'48 | 16°23 | 3°55 | 19°46 | 9°22 | 10°45 | 16°10 | 12° 8 | 1°53 | 6°50 | 0° 2 | 0°18 | 1°57 | 22° 7 | S 11 |
| M12 | 7 55 13 | 29°41'46 | 29° 2 | 4°46 | 21° 2 | 10° 3 | 10°47 | 16°17 | 12° 6 | 1°54 | 6°50 | 29♈57 | 0°15 | 2° 4 | 22°12 | M12 |
| T 13 | 7 59 10 | 0♒42'43 | 11♈55 | 5°39 | 22°17 | 10°43 | 10°51 | 16°24 | 12° 3 | 1°55 | 6°D50 | 29°55 | 0°12 | 2°11 | 22°17 | T 13 |
| W14 | 8 3 6 | 1°43'39 | 25° 5 | 6°36 | 23°32 | 11°23 | 10°54 | 16°31 | 12° 0 | 1°56 | 6°50 | 29°54 | 0° 9 | 2°17 | 22°22 | W14 |
| T 15 | 8 7 3 | 2°44'34 | 8♉36 | 7°36 | 24°47 | 12° 4 | 10°57 | 16°38 | 11°58 | 1°58 | 6°50 | 29°54 | 0° 6 | 2°24 | 22°27 | T 15 |
| F 16 | 8 10 59 | 3°45'27 | 22°29 | 8°39 | 26° 3 | 12°44 | 11° 1 | 16°45 | 11°55 | 1°59 | 6°50 | 29°53 | 0° 3 | 2°31 | 22°32 | F 16 |
| S 17 | 8 14 56 | 4°46'19 | 6♊46 | 9°44 | 27°18 | 13°24 | 11° 5 | 16°52 | 11°53 | 2° 1 | 6°50 | 29°50 | 29♈59 | 2°37 | 22°37 | S 17 |
| S 18 | 8 18 53 | 5°47'09 | 21°24 | 10°51 | 28°33 | 14° 4 | 11° 9 | 16°59 | 11°50 | 2° 2 | 6°51 | 29°45 | 29°56 | 2°44 | 22°42 | S 18 |
| M19 | 8 22 49 | 6°47'58 | 6♋21 | 12° 1 | 29°48 | 14°45 | 11°13 | 17° 6 | 11°47 | 2° 3 | 6°51 | 29°37 | 29°53 | 2°51 | 22°48 | M19 |
| T 20 | 8 26 46 | 7°48'46 | 21°28 | 13°12 | 1♒ 4 | 15°25 | 11°18 | 17°12 | 11°45 | 2° 5 | 6°51 | 29°26 | 29°50 | 2°58 | 22°53 | T 20 |
| W21 | 8 30 42 | 8°49'32 | 6♌35 | 14°25 | 2°19 | 16° 5 | 11°23 | 17°19 | 11°42 | 2° 6 | 6°51 | 29°15 | 29°47 | 3° 4 | 22°58 | W21 |
| T 22 | 8 34 39 | 9°50'17 | 21°32 | 15°40 | 3°34 | 16°46 | 11°27 | 17°26 | 11°40 | 2° 8 | 6°51 | 29° 3 | 29°44 | 3°11 | 23° 2 | T 22 |
| F 23 | 8 38 35 | 10°51'01 | 6♍ 9 | 16°57 | 4°49 | 17°26 | 11°32 | 17°33 | 11°37 | 2° 9 | 6°51 | 28°53 | 29°40 | 3°18 | 23° 7 | F 23 |
| S 24 | 8 42 32 | 11°51'43 | 20°21 | 18°15 | 6° 4 | 18° 6 | 11°38 | 17°39 | 11°34 | 2°11 | 6°52 | 28°46 | 29°37 | 3°24 | 23°12 | S 24 |
| S 25 | 8 46 28 | 12°52'24 | 4♎ 3 | 19°34 | 7°20 | 18°46 | 11°43 | 17°46 | 11°32 | 2°13 | 6°52 | 28°41 | 29°34 | 3°31 | 23°17 | S 25 |
| M26 | 8 50 25 | 13°53'04 | 17°16 | 20°54 | 8°35 | 19°26 | 11°48 | 17°53 | 11°29 | 2°14 | 6°52 | 28°39 | 29°31 | 3°38 | 23°22 | M26 |
| T 27 | 8 54 22 | 14°53'42 | 0♏ 4 | 22°16 | 9°50 | 20° 7 | 11°54 | 17°59 | 11°26 | 2°16 | 6°52 | 28°D38 | 29°28 | 3°45 | 23°27 | T 27 |
| W28 | 8 58 18 | 15°54'20 | 12°29 | 23°39 | 11° 5 | 20°47 | 12° 0 | 18° 6 | 11°24 | 2°18 | 6°53 | 28°R38 | 29°24 | 3°51 | 23°32 | W28 |
| T 29 | 9 2 15 | 16°54'56 | 24°37 | 25° 4 | 12°20 | 21°27 | 12° 6 | 18°12 | 11°21 | 2°19 | 6°53 | 28°38 | 29°21 | 3°58 | 23°37 | T 29 |
| F 30 | 9 6 11 | 17°55'32 | 6♐34 | 26°29 | 13°35 | 22° 7 | 12°12 | 18°19 | 11°19 | 2°21 | 6°53 | 28°36 | 29°18 | 4° 5 | 23°41 | F 30 |
| S 31 | 9 10 8 | 18♒56'06 | 18♐25 | 27♑55 | 14♒50 | 22♈47 | 12♉19 | 18♑25 | 11♌16 | 2♈23 | 6♉54 | 28♈32 | 29♈15 | 4♑11 | 23♑46 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s14 | 17s55 | 1s15 | 20s20 | 3n11 | 23s36 | 0s17 | 0n59 | 0s 5 | 14n 3 | 1s 0 | 22s32 | 0n 8 | 17n47 | 0n42 | 0s45 | 1s33 | 0s55 | 15s36 | 12n 9 | 11n48 | 27s59 | 15s29 | 6n25 | |
| F 2 | 22 6 | 21 58 | 2 14 | 20 27 | 3 4 | 23 34 | 0 19 | 1 16 | 0 4 | 14 3 | 1 0 | 22 32 | 0 8 | 17 47 | 0 42 | 0 44 | 1 33 | 0 55 | 15 36 | 12 8 | 11 47 | 27 59 | 15 29 | 6 25 | |
| S 3 | 21 57 | 25 5 | 3 7 | 20 35 | 2 57 | 23 31 | 0 21 | 1 34 | 0 3 | 14 4 | 1 0 | 22 31 | 0 8 | 17 48 | 0 42 | 0 44 | 1 33 | 0 55 | 15 36 | 12 6 | 11 46 | 28 0 | 15 28 | 6 25 | |
| S 4 | 21 47 | 27 6 | 3 51 | 20 43 | 2 48 | 23 28 | 0 24 | 1 51 | 0 1 | 14 5 | 1 0 | 22 30 | 0 8 | 17 49 | 0 42 | 0 43 | 1 33 | 0 54 | 15 35 | 12 3 | 11 45 | 28 0 | 15 27 | 6 25 | |
| M 5 | 21 38 | 27 54 | 4 25 | 20 52 | 2 39 | 23 23 | 0 26 | 2 8 | 0 0 | 14 5 | 0 59 | 22 29 | 0 8 | 17 49 | 0 42 | 0 43 | 1 33 | 0 54 | 15 35 | 11 59 | 11 44 | 28 0 | 15 26 | 6 25 | |
| T 6 | 21 27 | 27 24 | 4 48 | 21 2 | 2 30 | 23 18 | 0 28 | 2 25 | 0n 1 | 14 6 | 0 59 | 22 29 | 0 8 | 17 50 | 0 42 | 0 42 | 1 33 | 0 54 | 15 35 | 11 54 | 11 43 | 28 1 | 15 26 | 6 25 | |
| W 7 | 21 17 | 25 38 | 4 59 | 21 11 | 2 20 | 23 13 | 0 31 | 2 42 | 0 2 | 14 7 | 0 59 | 22 28 | 0 8 | 17 51 | 0 42 | 0 42 | 1 33 | 0 54 | 15 34 | 11 48 | 11 42 | 28 1 | 15 25 | 6 25 | |
| T 8 | 21 5 | 22 42 | 4 56 | 21 21 | 2 10 | 23 6 | 0 33 | 2 59 | 0 3 | 14 8 | 0 58 | 22 27 | 0 8 | 17 52 | 0 42 | 0 41 | 1 32 | 0 53 | 15 34 | 11 43 | 11 41 | 28 1 | 15 24 | 6 25 | |
| F 9 | 20 54 | 18 45 | 4 39 | 21 31 | 1 59 | 22 59 | 0 35 | 3 15 | 0 4 | 14 9 | 0 58 | 22 26 | 0 8 | 17 52 | 0 42 | 0 41 | 1 32 | 0 53 | 15 34 | 11 38 | 11 39 | 28 2 | 15 23 | 6 25 | |
| S 10 | 20 42 | 13 59 | 4 10 | 21 40 | 1 49 | 22 51 | 0 37 | 3 32 | 0 5 | 14 10 | 0 58 | 22 26 | 0 8 | 17 53 | 0 42 | 0 40 | 1 32 | 0 53 | 15 33 | 11 34 | 11 38 | 28 2 | 15 22 | 6 25 | |
| S 11 | 20 30 | 8 35 | 3 28 | 21 49 | 1 39 | 22 43 | 0 39 | 3 49 | 0 6 | 14 11 | 0 57 | 22 25 | 0 8 | 17 54 | 0 42 | 0 40 | 1 32 | 0 52 | 15 33 | 11 31 | 11 37 | 28 2 | 15 21 | 6 25 | |
| M12 | 20 17 | 2 45 | 2 35 | 21 58 | 1 28 | 22 33 | 0 42 | 4 6 | 0 7 | 14 13 | 0 57 | 22 24 | 0 7 | 17 54 | 0 42 | 0 39 | 1 32 | 0 52 | 15 33 | 11 30 | 11 36 | 28 3 | 15 21 | 6 26 | |
| T 13 | 20 4 | 3n18 | 1 33 | 22 6 | 1 18 | 22 23 | 0 44 | 4 23 | 0 8 | 14 14 | 0 57 | 22 23 | 0 7 | 17 55 | 0 42 | 0 39 | 1 32 | 0 52 | 15 32 | 11 29 | 11 35 | 28 3 | 15 20 | 6 26 | |
| W14 | 19 51 | 9 21 | 0 25 | 22 14 | 1 8 | 22 13 | 0 46 | 4 40 | 0 9 | 14 15 | 0 57 | 22 23 | 0 7 | 17 56 | 0 42 | 0 38 | 1 32 | 0 51 | 15 32 | 11 29 | 11 34 | 28 3 | 15 19 | 6 26 | |
| T 15 | 19 37 | 15 8 | 0n46 | 22 21 | 0 58 | 22 2 | 0 48 | 4 56 | 0 10 | 14 16 | 0 56 | 22 22 | 0 7 | 17 57 | 0 43 | 0 38 | 1 32 | 0 51 | 15 32 | 11 28 | 11 33 | 28 4 | 15 18 | 6 26 | |
| F 16 | 19 23 | 20 20 | 1 56 | 22 27 | 0 48 | 21 50 | 0 50 | 5 13 | 0 11 | 14 18 | 0 56 | 22 21 | 0 7 | 17 57 | 0 43 | 0 37 | 1 32 | 0 51 | 15 31 | 11 28 | 11 32 | 28 4 | 15 17 | 6 26 | |
| S 17 | 19 8 | 24 29 | 3 1 | 22 32 | 0 38 | 21 37 | 0 52 | 5 30 | 0 12 | 14 19 | 0 56 | 22 20 | 0 7 | 17 58 | 0 43 | 0 36 | 1 32 | 0 50 | 15 31 | 11 27 | 11 30 | 28 4 | 15 16 | 6 26 | |
| S 18 | 18 53 | 27 10 | 3 56 | 22 36 | 0 29 | 21 24 | 0 53 | 5 46 | 0 13 | 14 21 | 0 55 | 22 19 | 0 7 | 17 59 | 0 43 | 0 36 | 1 32 | 0 50 | 15 31 | 11 25 | 11 29 | 28 4 | 15 15 | 6 26 | |
| M19 | 18 38 | 27 58 | 4 36 | 22 40 | 0 19 | 21 10 | 0 55 | 6 3 | 0 14 | 14 22 | 0 55 | 22 19 | 0 7 | 18 0 | 0 43 | 0 35 | 1 32 | 0 50 | 15 30 | 11 22 | 11 28 | 28 5 | 15 14 | 6 26 | |
| T 20 | 18 23 | 26 42 | 4 57 | 22 42 | 0 10 | 20 55 | 0 57 | 6 19 | 0 15 | 14 24 | 0 55 | 22 18 | 0 7 | 18 0 | 0 43 | 0 35 | 1 32 | 0 49 | 15 30 | 11 19 | 11 27 | 28 5 | 15 13 | 6 26 | |
| W21 | 18 7 | 23 29 | 4 58 | 22 43 | 0 1 | 20 40 | 0 59 | 6 35 | 0 16 | 14 26 | 0 55 | 22 17 | 0 7 | 18 1 | 0 43 | 0 34 | 1 32 | 0 49 | 15 30 | 11 15 | 11 26 | 28 5 | 15 13 | 6 26 | |
| T 22 | 17 51 | 18 45 | 4 38 | 22 43 | 0s 8 | 20 24 | 1 1 | 6 52 | 0 17 | 14 28 | 0 54 | 22 16 | 0 7 | 18 2 | 0 43 | 0 33 | 1 32 | 0 49 | 15 29 | 11 11 | 11 25 | 28 5 | 15 12 | 6 27 | |
| F 23 | 17 34 | 13 0 | 4 0 | 22 43 | 0 16 | 20 8 | 1 2 | 7 8 | 0 17 | 14 29 | 0 54 | 22 15 | 0 7 | 18 3 | 0 43 | 0 33 | 1 32 | 0 48 | 15 29 | 11 7 | 11 24 | 28 6 | 15 11 | 6 27 | |
| S 24 | 17 18 | 6 43 | 3 8 | 22 40 | 0 24 | 19 51 | 1 4 | 7 24 | 0 18 | 14 31 | 0 54 | 22 15 | 0 7 | 18 3 | 0 43 | 0 32 | 1 32 | 0 48 | 15 28 | 11 4 | 11 23 | 28 6 | 15 10 | 6 27 | |
| S 25 | 17 0 | 0 19 | 2 6 | 22 37 | 0 32 | 19 33 | 1 5 | 7 40 | 0 19 | 14 33 | 0 54 | 22 14 | 0 7 | 18 4 | 0 43 | 0 31 | 1 32 | 0 47 | 15 28 | 11 3 | 11 21 | 28 6 | 15 9 | 6 27 | |
| M26 | 16 43 | 5s53 | 1 0 | 22 33 | 0 40 | 19 15 | 1 7 | 7 57 | 0 20 | 14 35 | 0 53 | 22 13 | 0 6 | 18 5 | 0 43 | 0 31 | 1 32 | 0 47 | 15 28 | 11 2 | 11 20 | 28 6 | 15 8 | 6 27 | |
| T 27 | 16 25 | 11 39 | 0s 8 | 22 27 | 0 47 | 18 57 | 1 8 | 8 13 | 0 21 | 14 37 | 0 53 | 22 12 | 0 6 | 18 5 | 0 43 | 0 30 | 1 32 | 0 47 | 15 27 | 11 2 | 11 19 | 28 6 | 15 7 | 6 27 | |
| W28 | 16 7 | 16 47 | 1 13 | 22 20 | 0 54 | 18 37 | 1 10 | 8 29 | 0 22 | 14 39 | 0 53 | 22 11 | 0 6 | 18 6 | 0 43 | 0 29 | 1 32 | 0 46 | 15 27 | 11 2 | 11 18 | 28 7 | 15 6 | 6 27 | |
| T 29 | 15 49 | 21 9 | 2 13 | 22 12 | 1 1 | 18 18 | 1 11 | 8 44 | 0 23 | 14 41 | 0 53 | 22 11 | 0 6 | 18 7 | 0 43 | 0 29 | 1 32 | 0 46 | 15 27 | 11 2 | 11 17 | 28 7 | 15 5 | 6 28 | |
| F 30 | 15 31 | 24 33 | 3 7 | 22 2 | 1 8 | 17 57 | 1 12 | 9 0 | 0 23 | 14 43 | 0 52 | 22 10 | 0 6 | 18 8 | 0 43 | 0 28 | 1 32 | 0 45 | 15 26 | 11 1 | 11 16 | 28 7 | 15 4 | 6 28 | |
| S 31 | 15s12 | 26s52 | 3s52 | 21s52 | 1s14 | 17s37 | 1s14 | 9n16 | 0n24 | 14n46 | 0s52 | 22s 9 | 0n 6 | 18n 8 | 0n43 | 0s27 | 1s32 | 0s45 | 15s26 | 11n 0 | 11n15 | 28s 7 | 15s 3 | 6n28 | |

Julian Day Number = 2222180.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'22, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'50, Lahiri = 15°05'50 Julian Calendar 1 Jan. 1372 == Greg. Calendar 9 Jan. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## FEBRUARY 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 14 4 | 19♒56'38 | 0♑14 | 29♑23 | 16♒ 6 | 23♈28 | 12♉25 | 18♑32 | 11°R13 | 2♈25 | 6♉54 | 28°R26 | 29♈12 | 4♑18 | 23♑51 | S 1 |
| M 2 | 9 18 1 | 20°57'10 | 12° 5 | 0♒51 | 17°21 | 24° 8 | 12°32 | 18°38 | 11♌11 | 2°26 | 6°55 | 28♈16 | 29° 9 | 4°25 | 23°56 | M 2 |
| T 3 | 9 21 57 | 21°57'39 | 24° 2 | 2°21 | 18°36 | 24°48 | 12°39 | 18°45 | 11° 8 | 2°28 | 6°55 | 28° 5 | 29° 5 | 4°31 | 24° 0 | T 3 |
| W 4 | 9 25 54 | 22°58'08 | 6♒ 7 | 3°51 | 19°51 | 25°28 | 12°46 | 18°51 | 11° 6 | 2°30 | 6°56 | 27°52 | 29° 2 | 4°38 | 24° 5 | W 4 |
| T 5 | 9 29 51 | 23°58'34 | 18°21 | 5°23 | 21° 6 | 26° 8 | 12°53 | 18°57 | 11° 3 | 2°32 | 6°56 | 27°40 | 28°59 | 4°45 | 24°10 | T 5 |
| F 6 | 9 33 47 | 24°58'59 | 0♓45 | 6°56 | 22°21 | 26°48 | 13° 0 | 19° 3 | 11° 1 | 2°34 | 6°57 | 27°28 | 28°56 | 4°52 | 24°14 | F 6 |
| S 7 | 9 37 44 | 25°59'22 | 13°19 | 8°29 | 23°36 | 27°28 | 13° 8 | 19°10 | 10°58 | 2°36 | 6°57 | 27°18 | 28°53 | 4°58 | 24°19 | S 7 |
| S 8 | 9 41 40 | 26°59'44 | 26° 3 | 10° 4 | 24°51 | 28° 8 | 13°15 | 19°16 | 10°56 | 2°38 | 6°58 | 27°11 | 28°50 | 5° 5 | 24°23 | S 8 |
| M 9 | 9 45 37 | 28° 0'03 | 8♈58 | 11°39 | 26° 6 | 28°49 | 13°23 | 19°22 | 10°53 | 2°39 | 6°58 | 27° 7 | 28°46 | 5°12 | 24°28 | M 9 |
| T 10 | 9 49 33 | 29° 0'21 | 22° 5 | 13°16 | 27°21 | 29°29 | 13°31 | 19°28 | 10°51 | 2°41 | 6°59 | 27°D 6 | 28°43 | 5°18 | 24°32 | T 10 |
| W11 | 9 53 30 | 0♓ 0'36 | 5♉25 | 14°53 | 28°36 | 0♉ 9 | 13°39 | 19°34 | 10°48 | 2°43 | 6°59 | 27° 6 | 28°40 | 5°25 | 24°37 | W11 |
| T 12 | 9 57 26 | 1° 0'50 | 18°59 | 16°32 | 29°51 | 0°49 | 13°47 | 19°40 | 10°46 | 2°45 | 7° 0 | 27° 7 | 28°37 | 5°32 | 24°41 | T 12 |
| F 13 | 10 1 23 | 2° 1'01 | 2♊48 | 18°11 | 1♓ 6 | 1°29 | 13°55 | 19°46 | 10°43 | 2°47 | 7° 1 | 27°R 7 | 28°34 | 5°39 | 24°45 | F 13 |
| S 14 | 10 5 20 | 3° 1'10 | 16°53 | 19°52 | 2°21 | 2° 9 | 14° 4 | 19°52 | 10°41 | 2°49 | 7° 1 | 27° 6 | 28°30 | 5°45 | 24°50 | S 14 |
| S 15 | 10 9 16 | 4° 1'18 | 1♋14 | 21°34 | 3°36 | 2°49 | 14°12 | 19°57 | 10°39 | 2°51 | 7° 2 | 27° 3 | 28°27 | 5°52 | 24°54 | S 15 |
| M16 | 10 13 13 | 5° 1'23 | 15°47 | 23°17 | 4°51 | 3°29 | 14°21 | 20° 3 | 10°36 | 2°53 | 7° 3 | 26°58 | 28°24 | 5°59 | 24°58 | M16 |
| T 17 | 10 17 9 | 6° 1'26 | 0♌28 | 25° 0 | 6° 6 | 4° 9 | 14°30 | 20° 9 | 10°34 | 2°56 | 7° 4 | 26°51 | 28°21 | 6° 5 | 25° 2 | T 17 |
| W18 | 10 21 6 | 7° 1'26 | 15°10 | 26°45 | 7°21 | 4°49 | 14°39 | 20°14 | 10°32 | 2°58 | 7° 4 | 26°43 | 28°18 | 6°12 | 25° 7 | W18 |
| T 19 | 10 25 2 | 8° 1'25 | 29°46 | 28°31 | 8°35 | 5°29 | 14°48 | 20°20 | 10°29 | 3° 0 | 7° 5 | 26°35 | 28°15 | 6°19 | 25°11 | T 19 |
| F 20 | 10 28 59 | 9° 1'21 | 14♍ 8 | 0♓18 | 9°50 | 6° 8 | 14°57 | 20°25 | 10°27 | 3° 2 | 7° 6 | 26°28 | 28°11 | 6°26 | 25°15 | F 20 |
| S 21 | 10 32 55 | 10° 1'16 | 28°10 | 2° 7 | 11° 5 | 6°48 | 15° 7 | 20°31 | 10°25 | 3° 4 | 7° 7 | 26°23 | 28° 8 | 6°32 | 25°19 | S 21 |
| S 22 | 10 36 52 | 11° 1'09 | 11♎49 | 3°56 | 12°20 | 7°28 | 15°16 | 20°36 | 10°23 | 3° 6 | 7° 7 | 26°20 | 28° 5 | 6°39 | 25°23 | S 22 |
| M23 | 10 40 49 | 12° 1'00 | 25° 4 | 5°47 | 13°35 | 8° 8 | 15°26 | 20°41 | 10°21 | 3° 8 | 7° 8 | 26°D19 | 28° 2 | 6°46 | 25°27 | M23 |
| T 24 | 10 44 45 | 13° 0'49 | 7♏54 | 7°38 | 14°49 | 8°48 | 15°35 | 20°47 | 10°19 | 3°10 | 7° 9 | 26°19 | 27°59 | 6°52 | 25°31 | T 24 |
| W25 | 10 48 42 | 14° 0'37 | 20°24 | 9°31 | 16° 4 | 9°28 | 15°45 | 20°52 | 10°17 | 3°12 | 7°10 | 26°21 | 27°56 | 6°59 | 25°34 | W25 |
| T 26 | 10 52 38 | 15° 0'22 | 2♐37 | 11°25 | 17°19 | 10° 7 | 15°55 | 20°57 | 10°15 | 3°15 | 7°11 | 26°22 | 27°52 | 7° 6 | 25°38 | T 26 |
| F 27 | 10 56 35 | 16° 0'07 | 14°37 | 13°20 | 18°34 | 10°47 | 16° 5 | 21° 2 | 10°13 | 3°17 | 7°12 | 26°R23 | 27°49 | 7°13 | 25°42 | F 27 |
| S 28 | 11 0 31 | 16°59'49 | 26°30 | 15°17 | 19°48 | 11°27 | 16°15 | 21° 7 | 10°11 | 3°19 | 7°13 | 26°22 | 27°46 | 7°19 | 25°46 | S 28 |
| S 29 | 11 4 28 | 17♓59'30 | 8♑22 | 17♓14 | 21♓ 3 | 12♉ 7 | 16♉26 | 21♑12 | 10♌ 9 | 3♈21 | 7♉14 | 26♈20 | 27♈43 | 7♑26 | 25♑49 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s53 | 27s58 | 4s27 | 21s39 | 1s20 | 17s15 | 1s15 | 9n32 | 0n25 | 14n48 | 0s52 | 22s 8 | 0n 6 | 18n 9 | 0n43 | 0s26 | 1s32 | 0s44 | 15s26 | 10n57 | 11n14 | 28s 7 | 15s 2 | 6n28 |
| M 2 | 14 34 | 27 47 | 4 50 | 21 26 | 1 26 | 16 54 | 1 16 | 9 47 | 0 26 | 14 50 | 0 52 | 22 7 | 0 6 | 18 10 | 0 43 | 0 26 | 1 32 | 0 44 | 15 25 | 10 54 | 11 12 | 28 7 | 15 1 | 6 28 |
| T 3 | 14 14 | 26 19 | 5 1 | 21 11 | 1 31 | 16 31 | 1 17 | 10 3 | 0 26 | 14 52 | 0 51 | 22 7 | 0 6 | 18 11 | 0 43 | 0 25 | 1 32 | 0 44 | 15 25 | 10 50 | 11 11 | 28 7 | 15 0 | 6 29 |
| W 4 | 13 55 | 23 38 | 4 59 | 20 55 | 1 36 | 16 9 | 1 18 | 10 18 | 0 27 | 14 55 | 0 51 | 22 6 | 0 6 | 18 11 | 0 43 | 0 24 | 1 32 | 0 43 | 15 25 | 10 45 | 11 10 | 28 8 | 14 59 | 6 29 |
| T 5 | 13 35 | 19 51 | 4 43 | 20 37 | 1 41 | 15 46 | 1 19 | 10 34 | 0 28 | 14 57 | 0 51 | 22 5 | 0 6 | 18 12 | 0 43 | 0 23 | 1 32 | 0 43 | 15 24 | 10 41 | 11 9 | 28 8 | 14 58 | 6 29 |
| F 6 | 13 14 | 15 11 | 4 13 | 20 18 | 1 45 | 15 22 | 1 20 | 10 49 | 0 29 | 15 0 | 0 51 | 22 4 | 0 6 | 18 13 | 0 43 | 0 23 | 1 31 | 0 42 | 15 24 | 10 36 | 11 8 | 28 8 | 14 57 | 6 29 |
| S 7 | 12 54 | 9 50 | 3 31 | 19 58 | 1 49 | 14 58 | 1 21 | 11 4 | 0 29 | 15 2 | 0 50 | 22 3 | 0 6 | 18 13 | 0 43 | 0 22 | 1 31 | 0 42 | 15 24 | 10 33 | 11 7 | 28 8 | 14 56 | 6 30 |
| S 8 | 12 33 | 3 59 | 2 38 | 19 36 | 1 53 | 14 34 | 1 22 | 11 19 | 0 30 | 15 5 | 0 50 | 22 3 | 0 6 | 18 14 | 0 43 | 0 21 | 1 31 | 0 41 | 15 23 | 10 30 | 11 6 | 28 8 | 14 55 | 6 30 |
| M 9 | 12 13 | 2n 7 | 1 35 | 19 13 | 1 56 | 14 9 | 1 22 | 11 34 | 0 31 | 15 7 | 0 50 | 22 2 | 0 6 | 18 15 | 0 43 | 0 20 | 1 31 | 0 41 | 15 23 | 10 29 | 11 5 | 28 8 | 14 54 | 6 30 |
| T 10 | 11 52 | 8 13 | 0 27 | 18 48 | 1 59 | 13 44 | 1 23 | 11 49 | 0 32 | 15 10 | 0 50 | 22 1 | 0 5 | 18 15 | 0 43 | 0 19 | 1 31 | 0 40 | 15 23 | 10 28 | 11 3 | 28 8 | 14 53 | 6 30 |
| W11 | 11 30 | 14 4 | 0n44 | 18 22 | 2 2 | 13 18 | 1 23 | 12 4 | 0 32 | 15 12 | 0 49 | 22 0 | 0 5 | 18 16 | 0 43 | 0 19 | 1 31 | 0 40 | 15 23 | 10 28 | 11 2 | 28 8 | 14 52 | 6 31 |
| T 12 | 11 9 | 19 22 | 1 54 | 17 54 | 2 4 | 12 52 | 1 24 | 12 19 | 0 33 | 15 15 | 0 49 | 21 59 | 0 5 | 18 17 | 0 43 | 0 18 | 1 31 | 0 39 | 15 22 | 10 29 | 11 1 | 28 8 | 14 51 | 6 31 |
| F 13 | 10 48 | 23 43 | 2 59 | 17 25 | 2 6 | 12 26 | 1 24 | 12 33 | 0 34 | 15 18 | 0 49 | 21 59 | 0 5 | 18 17 | 0 43 | 0 17 | 1 31 | 0 39 | 15 22 | 10 29 | 11 0 | 28 8 | 14 50 | 6 31 |
| S 14 | 10 26 | 26 46 | 3 54 | 16 55 | 2 7 | 12 0 | 1 25 | 12 48 | 0 34 | 15 20 | 0 49 | 21 58 | 0 5 | 18 18 | 0 43 | 0 16 | 1 31 | 0 38 | 15 22 | 10 29 | 10 59 | 28 8 | 14 49 | 6 31 |
| S 15 | 10 4 | 28 7 | 4 36 | 16 23 | 2 8 | 11 33 | 1 25 | 13 2 | 0 35 | 15 23 | 0 48 | 21 57 | 0 5 | 18 19 | 0 43 | 0 15 | 1 31 | 0 38 | 15 21 | 10 28 | 10 58 | 28 8 | 14 48 | 6 32 |
| M16 | 9 42 | 27 33 | 5 0 | 15 50 | 2 9 | 11 6 | 1 25 | 13 17 | 0 36 | 15 26 | 0 48 | 21 56 | 0 5 | 18 19 | 0 43 | 0 14 | 1 31 | 0 37 | 15 21 | 10 26 | 10 57 | 28 8 | 14 47 | 6 32 |
| T 17 | 9 20 | 25 5 | 5 6 | 15 15 | 2 9 | 10 38 | 1 26 | 13 31 | 0 36 | 15 29 | 0 48 | 21 55 | 0 5 | 18 20 | 0 43 | 0 14 | 1 31 | 0 37 | 15 21 | 10 23 | 10 55 | 28 8 | 14 46 | 6 32 |
| W18 | 8 58 | 20 58 | 4 51 | 14 39 | 2 8 | 10 10 | 1 26 | 13 45 | 0 37 | 15 32 | 0 48 | 21 55 | 0 5 | 18 20 | 0 42 | 0 13 | 1 31 | 0 36 | 15 20 | 10 20 | 10 54 | 28 8 | 14 45 | 6 33 |
| T 19 | 8 35 | 15 36 | 4 17 | 14 1 | 2 8 | 9 42 | 1 26 | 13 59 | 0 38 | 15 35 | 0 47 | 21 54 | 0 5 | 18 21 | 0 42 | 0 12 | 1 31 | 0 36 | 15 20 | 10 17 | 10 53 | 28 8 | 14 44 | 6 33 |
| F 20 | 8 13 | 9 27 | 3 27 | 13 22 | 2 6 | 9 14 | 1 26 | 14 13 | 0 38 | 15 38 | 0 47 | 21 53 | 0 5 | 18 22 | 0 42 | 0 11 | 1 31 | 0 35 | 15 20 | 10 15 | 10 52 | 28 8 | 14 43 | 6 33 |
| S 21 | 7 50 | 2 57 | 2 26 | 12 42 | 2 5 | 8 45 | 1 26 | 14 27 | 0 39 | 15 41 | 0 47 | 21 52 | 0 5 | 18 22 | 0 42 | 0 10 | 1 31 | 0 35 | 15 20 | 10 13 | 10 51 | 28 8 | 14 42 | 6 34 |
| S 22 | 7 28 | 3s30 | 1 17 | 12 0 | 2 2 | 8 17 | 1 26 | 14 40 | 0 39 | 15 44 | 0 47 | 21 52 | 0 5 | 18 23 | 0 42 | 0 9 | 1 31 | 0 34 | 15 19 | 10 12 | 10 50 | 28 8 | 14 41 | 6 34 |
| M23 | 7 5 | 9 38 | 0 7 | 11 17 | 2 0 | 7 48 | 1 26 | 14 54 | 0 40 | 15 47 | 0 47 | 21 51 | 0 5 | 18 23 | 0 42 | 0 9 | 1 31 | 0 34 | 15 19 | 10 11 | 10 49 | 28 8 | 14 40 | 6 34 |
| T 24 | 6 42 | 15 11 | 1s 2 | 10 32 | 1 57 | 7 19 | 1 25 | 15 7 | 0 41 | 15 50 | 0 46 | 21 50 | 0 4 | 18 24 | 0 42 | 0 8 | 1 31 | 0 33 | 15 19 | 10 12 | 10 48 | 28 8 | 14 39 | 6 35 |
| W25 | 6 19 | 19 57 | 2 7 | 9 46 | 1 53 | 6 49 | 1 25 | 15 21 | 0 41 | 15 53 | 0 46 | 21 49 | 0 4 | 18 24 | 0 42 | 0 7 | 1 31 | 0 33 | 15 18 | 10 12 | 10 46 | 28 8 | 14 38 | 6 35 |
| T 26 | 5 56 | 23 45 | 3 4 | 8 59 | 1 49 | 6 20 | 1 25 | 15 34 | 0 42 | 15 56 | 0 46 | 21 49 | 0 4 | 18 25 | 0 42 | 0 6 | 1 31 | 0 32 | 15 18 | 10 13 | 10 45 | 28 8 | 14 37 | 6 35 |
| F 27 | 5 32 | 26 28 | 3 52 | 8 10 | 1 44 | 5 50 | 1 24 | 15 47 | 0 42 | 15 59 | 0 46 | 21 48 | 0 4 | 18 26 | 0 42 | 0 5 | 1 31 | 0 32 | 15 18 | 10 13 | 10 44 | 28 8 | 14 36 | 6 36 |
| S 28 | 5 9 | 27 58 | 4 29 | 7 20 | 1 38 | 5 20 | 1 24 | 16 0 | 0 43 | 16 2 | 0 46 | 21 47 | 0 4 | 18 26 | 0 42 | 0 4 | 1 31 | 0 31 | 15 18 | 10 13 | 10 43 | 28 8 | 14 35 | 6 36 |
| S 29 | 4s46 | 28s10 | 4s55 | 6s29 | 1s32 | 4s50 | 1s23 | 16n13 | 0n43 | 16n 5 | 0s45 | 21s47 | 0n 4 | 18n27 | 0n42 | 0s 3 | 1s31 | 0s30 | 15s17 | 10n12 | 10n42 | 28s 8 | 14s34 | 6n36 |

Julian Day Number = 2222211.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'54, Lahiri = 15°05'54 Julian Calendar 1 Feb. 1372 == Greg. Calendar 9 Feb. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## MARCH 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 8 24 | 18♓59'08 | 20♉15 | 19♓12 | 22♓18 | 12♉46 | 16♉36 | 21♉17 | 10°R 7 | 3♈23 | 7♉15 | 26°R16 | 27♈40 | 7♉33 | 25♉53 | M 1 |
| T 2 | 11 12 21 | 19°58'46 | 2♒16 | 21°11 | 23°32 | 13°26 | 16°47 | 21°22 | 10♌ 5 | 3°26 | 7°16 | 26♈11 | 27°36 | 7°39 | 25°56 | T 2 |
| W 3 | 11 16 18 | 20°58'21 | 14°26 | 23°11 | 24°47 | 14° 6 | 16°57 | 21°26 | 10° 3 | 3°28 | 7°16 | 26° 5 | 27°33 | 7°46 | 26° 0 | W 3 |
| T 4 | 11 20 14 | 21°57'54 | 26°49 | 25°11 | 26° 2 | 14°46 | 17° 8 | 21°31 | 10° 1 | 3°30 | 7°17 | 25°59 | 27°30 | 7°53 | 26° 3 | T 4 |
| F 5 | 11 24 11 | 22°57'25 | 9♓25 | 27°12 | 27°16 | 15°25 | 17°19 | 21°36 | 10° 0 | 3°32 | 7°18 | 25°53 | 27°27 | 8° 0 | 26° 7 | F 5 |
| S 6 | 11 28 7 | 23°56'54 | 22°16 | 29°14 | 28°31 | 16° 5 | 17°29 | 21°40 | 9°58 | 3°35 | 7°20 | 25°48 | 27°24 | 8° 6 | 26°10 | S 6 |
| S 7 | 11 32 4 | 24°56'21 | 5♈21 | 1♈15 | 29°45 | 16°44 | 17°40 | 21°45 | 9°56 | 3°37 | 7°21 | 25°45 | 27°21 | 8°13 | 26°13 | S 7 |
| M 8 | 11 36 0 | 25°55'46 | 18°39 | 3°17 | 1♈ 0 | 17°24 | 17°51 | 21°49 | 9°55 | 3°39 | 7°22 | 25°43 | 27°17 | 8°20 | 26°16 | M 8 |
| T 9 | 11 39 57 | 26°55'09 | 2♉ 9 | 5°18 | 2°15 | 18° 4 | 18° 3 | 21°53 | 9°53 | 3°41 | 7°23 | 25°D43 | 27°14 | 8°26 | 26°20 | T 9 |
| W10 | 11 43 53 | 27°54'30 | 15°50 | 7°18 | 3°29 | 18°43 | 18°14 | 21°57 | 9°52 | 3°44 | 7°24 | 25°44 | 27°11 | 8°33 | 26°23 | W10 |
| T 11 | 11 47 50 | 28°53'48 | 29°41 | 9°18 | 4°44 | 19°23 | 18°25 | 22° 1 | 9°50 | 3°46 | 7°25 | 25°46 | 27° 8 | 8°40 | 26°26 | T 11 |
| F 12 | 11 51 46 | 29°53'04 | 13♊41 | 11°16 | 5°58 | 20° 2 | 18°37 | 22° 6 | 9°49 | 3°48 | 7°26 | 25°47 | 27° 5 | 8°47 | 26°29 | F 12 |
| S 13 | 11 55 43 | 0♈52'18 | 27°48 | 13°12 | 7°12 | 20°42 | 18°48 | 22° 9 | 9°47 | 3°50 | 7°27 | 25°R48 | 27° 1 | 8°53 | 26°32 | S 13 |
| S 14 | 11 59 40 | 1°51'30 | 12♋ 0 | 15° 7 | 8°27 | 21°21 | 19° 0 | 22°13 | 9°46 | 3°53 | 7°28 | 25°48 | 26°58 | 9° 0 | 26°35 | S 14 |
| M15 | 12 3 36 | 2°50'39 | 26°16 | 16°59 | 9°41 | 22° 1 | 19°11 | 22°17 | 9°45 | 3°55 | 7°29 | 25°46 | 26°55 | 9° 7 | 26°37 | M15 |
| T 16 | 12 7 33 | 3°49'45 | 10♌33 | 18°48 | 10°56 | 22°40 | 19°23 | 22°21 | 9°44 | 3°57 | 7°30 | 25°44 | 26°52 | 9°13 | 26°40 | T 16 |
| W17 | 12 11 29 | 4°48'50 | 24°46 | 20°33 | 12°10 | 23°20 | 19°35 | 22°25 | 9°42 | 3°59 | 7°32 | 25°41 | 26°49 | 9°20 | 26°43 | W17 |
| T 18 | 12 15 26 | 5°47'52 | 8♍53 | 22°15 | 13°24 | 23°59 | 19°47 | 22°28 | 9°41 | 4° 2 | 7°33 | 25°38 | 26°46 | 9°27 | 26°45 | T 18 |
| F 19 | 12 19 22 | 6°46'51 | 22°48 | 23°53 | 14°39 | 24°38 | 19°59 | 22°32 | 9°40 | 4° 4 | 7°34 | 25°36 | 26°42 | 9°34 | 26°48 | F 19 |
| S 20 | 12 23 19 | 7°45'49 | 6♎28 | 25°27 | 15°53 | 25°18 | 20°11 | 22°35 | 9°39 | 4° 6 | 7°35 | 25°34 | 26°39 | 9°40 | 26°50 | S 20 |
| S 21 | 12 27 15 | 8°44'44 | 19°51 | 26°56 | 17° 7 | 25°57 | 20°23 | 22°38 | 9°38 | 4° 9 | 7°36 | 25°D33 | 26°36 | 9°47 | 26°53 | S 21 |
| M22 | 12 31 12 | 9°43'38 | 2♏56 | 28°21 | 18°21 | 26°36 | 20°35 | 22°41 | 9°37 | 4°11 | 7°38 | 25°33 | 26°33 | 9°54 | 26°55 | M22 |
| T 23 | 12 35 9 | 10°42'29 | 15°42 | 29°40 | 19°36 | 27°16 | 20°48 | 22°45 | 9°36 | 4°13 | 7°39 | 25°34 | 26°30 | 10° 0 | 26°58 | T 23 |
| W24 | 12 39 5 | 11°41'19 | 28°10 | 0♉54 | 20°50 | 27°55 | 21° 0 | 22°48 | 9°36 | 4°15 | 7°40 | 25°35 | 26°27 | 10° 7 | 27° 0 | W24 |
| T 25 | 12 43 2 | 12°40'07 | 10♐24 | 2° 2 | 22° 4 | 28°34 | 21°12 | 22°51 | 9°35 | 4°18 | 7°41 | 25°37 | 26°23 | 10°14 | 27° 2 | T 25 |
| F 26 | 12 46 58 | 13°38'54 | 22°26 | 3° 5 | 23°18 | 29°13 | 21°25 | 22°53 | 9°34 | 4°20 | 7°43 | 25°38 | 26°20 | 10°21 | 27° 4 | F 26 |
| S 27 | 12 50 55 | 14°37'38 | 4♑22 | 4° 2 | 24°32 | 29°53 | 21°37 | 22°56 | 9°33 | 4°22 | 7°44 | 25°38 | 26°17 | 10°27 | 27° 6 | S 27 |
| S 28 | 12 54 51 | 15°36'21 | 16°15 | 4°53 | 25°46 | 0♊32 | 21°50 | 22°59 | 9°33 | 4°24 | 7°45 | 25°R39 | 26°14 | 10°34 | 27° 8 | S 28 |
| M29 | 12 58 48 | 16°35'02 | 28°10 | 5°38 | 27° 1 | 1°11 | 22° 3 | 23° 2 | 9°32 | 4°27 | 7°46 | 25°38 | 26°11 | 10°41 | 27°10 | M29 |
| T 30 | 13 2 44 | 17°33'41 | 10♒11 | 6°17 | 28°15 | 1°50 | 22°15 | 23° 4 | 9°32 | 4°29 | 7°48 | 25°38 | 26° 7 | 10°47 | 27°12 | T 30 |
| W31 | 13 6 41 | 18♈32'19 | 22♒24 | 6♉50 | 29♈29 | 2♊29 | 22♉28 | 23♑ 6 | 9♌31 | 4♈31 | 7♉49 | 25♈37 | 26♈ 4 | 10♑54 | 27♑14 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s22 | 27s 4 | 5s 9 | 5s36 | 1s26 | 4s20 | 1s23 | 16n25 | 0n44 | 16n 8 | 0s45 | 21s46 | 0n 4 | 18n27 | 0n42 | 0s 2 | 1s31 | 0s30 | 15s17 | 10n11 | 10n41 | 28s 8 | 14s33 | 6n37 |
| T 2 | 3 59 | 24 44 | 5 9 | 4 43 | 1 19 | 3 50 | 1 22 | 16 38 | 0 44 | 16 11 | 0 45 | 21 45 | 0 4 | 18 28 | 0 42 | 0 1 | 1 31 | 0 29 | 15 17 | 10 9 | 10 40 | 28 8 | 14 32 | 6 37 |
| W 3 | 3 35 | 21 15 | 4 55 | 3 49 | 1 11 | 3 19 | 1 21 | 16 50 | 0 45 | 16 15 | 0 45 | 21 45 | 0 4 | 18 28 | 0 42 | 0 1 | 1 31 | 0 29 | 15 17 | 10 6 | 10 38 | 28 8 | 14 31 | 6 37 |
| T 4 | 3 12 | 16 48 | 4 27 | 2 53 | 1 3 | 2 49 | 1 20 | 17 3 | 0 45 | 16 18 | 0 45 | 21 44 | 0 4 | 18 28 | 0 42 | 0n 0 | 1 31 | 0 28 | 15 16 | 10 4 | 10 37 | 28 8 | 14 30 | 6 38 |
| F 5 | 2 48 | 11 33 | 3 46 | 1 57 | 0 55 | 2 18 | 1 20 | 17 15 | 0 46 | 16 21 | 0 44 | 21 43 | 0 4 | 18 29 | 0 42 | 0 1 | 1 31 | 0 28 | 15 16 | 10 2 | 10 36 | 28 7 | 14 29 | 6 38 |
| S 6 | 2 25 | 5 43 | 2 52 | 1 0 | 0 46 | 1 48 | 1 19 | 17 27 | 0 46 | 16 24 | 0 44 | 21 43 | 0 4 | 18 29 | 0 42 | 0 2 | 1 31 | 0 27 | 15 16 | 10 0 | 10 35 | 28 7 | 14 28 | 6 39 |
| S 7 | 2 1 | 0n28 | 1 49 | 0 3 | 0 36 | 1 17 | 1 18 | 17 39 | 0 47 | 16 27 | 0 44 | 21 42 | 0 4 | 18 30 | 0 42 | 0 3 | 1 31 | 0 27 | 15 16 | 9 59 | 10 34 | 28 7 | 14 27 | 6 39 |
| M 8 | 1 37 | 6 44 | 0 39 | 0n55 | 0 26 | 0 46 | 1 17 | 17 51 | 0 47 | 16 31 | 0 44 | 21 41 | 0 4 | 18 30 | 0 42 | 0 4 | 1 31 | 0 26 | 15 15 | 9 59 | 10 33 | 28 7 | 14 26 | 6 39 |
| T 9 | 1 14 | 12 49 | 0n35 | 1 53 | 0 15 | 0 16 | 1 16 | 18 2 | 0 48 | 16 34 | 0 44 | 21 41 | 0 4 | 18 31 | 0 42 | 0 5 | 1 31 | 0 26 | 15 15 | 9 59 | 10 31 | 28 7 | 14 25 | 6 40 |
| W10 | 0 50 | 18 22 | 1 48 | 2 51 | 0 4 | 0n15 | 1 14 | 18 14 | 0 48 | 16 37 | 0 43 | 21 40 | 0 3 | 18 31 | 0 42 | 0 6 | 1 31 | 0 25 | 15 15 | 9 59 | 10 30 | 28 7 | 14 24 | 6 40 |
| T 11 | 0 26 | 23 1 | 2 56 | 3 48 | 0n 7 | 0 46 | 1 13 | 18 25 | 0 49 | 16 41 | 0 43 | 21 40 | 0 3 | 18 31 | 0 42 | 0 7 | 1 31 | 0 25 | 15 15 | 9 59 | 10 29 | 28 7 | 14 23 | 6 41 |
| F 12 | 0 3 | 26 23 | 3 53 | 4 45 | 0 18 | 1 17 | 1 12 | 18 36 | 0 49 | 16 44 | 0 43 | 21 39 | 0 3 | 18 32 | 0 42 | 0 8 | 1 31 | 0 24 | 15 14 | 10 0 | 10 28 | 28 6 | 14 22 | 6 41 |
| S 13 | 0n21 | 28 8 | 4 37 | 5 42 | 0 30 | 1 47 | 1 11 | 18 47 | 0 50 | 16 47 | 0 43 | 21 38 | 0 3 | 18 32 | 0 42 | 0 8 | 1 31 | 0 23 | 15 14 | 10 0 | 10 27 | 28 6 | 14 21 | 6 42 |
| S 14 | 0 45 | 28 3 | 5 5 | 6 37 | 0 42 | 2 18 | 1 9 | 18 58 | 0 50 | 16 51 | 0 43 | 21 38 | 0 3 | 18 32 | 0 42 | 0 9 | 1 31 | 0 23 | 15 14 | 10 0 | 10 26 | 28 6 | 14 20 | 6 42 |
| M15 | 1 8 | 26 6 | 5 14 | 7 31 | 0 54 | 2 49 | 1 8 | 19 9 | 0 51 | 16 54 | 0 43 | 21 37 | 0 3 | 18 33 | 0 42 | 0 10 | 1 31 | 0 22 | 15 14 | 10 0 | 10 25 | 28 6 | 14 19 | 6 42 |
| T 16 | 1 32 | 22 31 | 5 4 | 8 24 | 1 6 | 3 19 | 1 6 | 19 20 | 0 51 | 16 57 | 0 42 | 21 37 | 0 3 | 18 33 | 0 42 | 0 11 | 1 31 | 0 22 | 15 14 | 9 59 | 10 23 | 28 6 | 14 18 | 6 43 |
| W17 | 1 55 | 17 37 | 4 35 | 9 15 | 1 17 | 3 50 | 1 5 | 19 30 | 0 51 | 17 1 | 0 42 | 21 36 | 0 3 | 18 33 | 0 42 | 0 12 | 1 31 | 0 21 | 15 13 | 9 58 | 10 22 | 28 5 | 14 17 | 6 43 |
| T 18 | 2 19 | 11 48 | 3 49 | 10 4 | 1 29 | 4 20 | 1 3 | 19 40 | 0 52 | 17 4 | 0 42 | 21 36 | 0 3 | 18 34 | 0 42 | 0 13 | 1 31 | 0 21 | 15 13 | 9 57 | 10 21 | 28 5 | 14 16 | 6 44 |
| F 19 | 2 42 | 5 29 | 2 51 | 10 51 | 1 40 | 4 51 | 1 2 | 19 50 | 0 52 | 17 8 | 0 42 | 21 35 | 0 3 | 18 34 | 0 42 | 0 14 | 1 31 | 0 20 | 15 13 | 9 56 | 10 20 | 28 5 | 14 15 | 6 44 |
| S 20 | 3 5 | 1s 0 | 1 43 | 11 36 | 1 51 | 5 21 | 1 0 | 20 0 | 0 53 | 17 11 | 0 42 | 21 35 | 0 3 | 18 34 | 0 42 | 0 15 | 1 31 | 0 20 | 15 13 | 9 55 | 10 19 | 28 5 | 14 14 | 6 45 |
| S 21 | 3 29 | 7 18 | 0 31 | 12 18 | 2 1 | 5 51 | 0 58 | 20 10 | 0 53 | 17 14 | 0 42 | 21 34 | 0 3 | 18 34 | 0 42 | 0 16 | 1 31 | 0 19 | 15 13 | 9 55 | 10 18 | 28 4 | 14 13 | 6 45 |
| M22 | 3 52 | 13 10 | 0s41 | 12 58 | 2 11 | 6 21 | 0 56 | 20 20 | 0 54 | 17 18 | 0 41 | 21 34 | 0 3 | 18 35 | 0 42 | 0 16 | 1 31 | 0 19 | 15 13 | 9 55 | 10 17 | 28 4 | 14 13 | 6 46 |
| T 23 | 4 15 | 18 20 | 1 49 | 13 34 | 2 20 | 6 51 | 0 55 | 20 29 | 0 54 | 17 21 | 0 41 | 21 33 | 0 2 | 18 35 | 0 42 | 0 17 | 1 31 | 0 18 | 15 12 | 9 55 | 10 15 | 28 4 | 14 12 | 6 46 |
| W24 | 4 38 | 22 35 | 2 51 | 14 9 | 2 28 | 7 21 | 0 53 | 20 39 | 0 54 | 17 25 | 0 41 | 21 33 | 0 2 | 18 35 | 0 42 | 0 18 | 1 31 | 0 18 | 15 12 | 9 56 | 10 14 | 28 4 | 14 11 | 6 47 |
| T 25 | 5 1 | 25 46 | 3 43 | 14 40 | 2 36 | 7 50 | 0 51 | 20 48 | 0 55 | 17 28 | 0 41 | 21 33 | 0 2 | 18 35 | 0 42 | 0 19 | 1 31 | 0 17 | 15 12 | 9 56 | 10 13 | 28 3 | 14 10 | 6 47 |
| F 26 | 5 24 | 27 43 | 4 25 | 15 8 | 2 43 | 8 20 | 0 49 | 20 57 | 0 55 | 17 31 | 0 41 | 21 32 | 0 2 | 18 35 | 0 42 | 0 20 | 1 31 | 0 16 | 15 12 | 9 56 | 10 12 | 28 3 | 14 9 | 6 47 |
| S 27 | 5 47 | 28 22 | 4 55 | 15 33 | 2 49 | 8 49 | 0 47 | 21 6 | 0 55 | 17 35 | 0 41 | 21 32 | 0 2 | 18 35 | 0 42 | 0 21 | 1 31 | 0 16 | 15 12 | 9 57 | 10 11 | 28 3 | 14 8 | 6 48 |
| S 28 | 6 10 | 27 42 | 5 12 | 15 55 | 2 53 | 9 18 | 0 45 | 21 15 | 0 56 | 17 38 | 0 40 | 21 31 | 0 2 | 18 36 | 0 42 | 0 22 | 1 31 | 0 15 | 15 12 | 9 57 | 10 10 | 28 2 | 14 7 | 6 48 |
| M29 | 6 32 | 25 45 | 5 16 | 16 14 | 2 57 | 9 47 | 0 43 | 21 23 | 0 56 | 17 42 | 0 40 | 21 31 | 0 2 | 18 36 | 0 42 | 0 23 | 1 31 | 0 15 | 15 11 | 9 57 | 10 8 | 28 2 | 14 7 | 6 49 |
| T 30 | 6 55 | 22 40 | 5 6 | 16 29 | 3 0 | 10 15 | 0 41 | 21 31 | 0 56 | 17 45 | 0 40 | 21 31 | 0 2 | 18 36 | 0 42 | 0 24 | 1 31 | 0 14 | 15 11 | 9 56 | 10 7 | 28 2 | 14 6 | 6 49 |
| W31 | 7n17 | 18s33 | 4s43 | 16n42 | 3n 1 | 10n43 | 0s39 | 21n40 | 0n57 | 17n48 | 0s40 | 21s30 | 0n 2 | 18n36 | 0n42 | 0n24 | 1s31 | 0s14 | 15s11 | 9n56 | 10n 6 | 28s 1 | 14s 5 | 6n50 |

Julian Day Number = 2222240.5, Delta T = 08m36s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°58'58, Lahiri = 15°05'58 Julian Calendar 1 March 1372 == Greg. Calendar 9 March 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## APRIL 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 10 38 | 19♈30'55 | 4♓51 | 7♉16 | 0♉43 | 3♊ 8 | 22♉41 | 23♑ 9 | 9°R31 | 4♈33 | 7♉50 | 25°R36 | 26♈ 1 | 11♑ 1 | 27♑15 | T 1 |
| F 2 | 13 14 34 | 20°29'29 | 17°35 | 7°37 | 1°57 | 3°47 | 22°54 | 23°11 | 9♌30 | 4°35 | 7°51 | 25♈35 | 25°58 | 11° 8 | 27°17 | F 2 |
| S 3 | 13 18 31 | 21°28'01 | 0♈39 | 7°52 | 3°11 | 4°26 | 23° 7 | 23°13 | 9°30 | 4°38 | 7°53 | 25°35 | 25°55 | 11°14 | 27°18 | S 3 |
| S 4 | 13 22 27 | 22°26'31 | 14° 1 | 8° 0 | 4°25 | 5° 6 | 23°20 | 23°15 | 9°30 | 4°40 | 7°54 | 25°35 | 25°52 | 11°21 | 27°20 | S 4 |
| M 5 | 13 26 24 | 23°25'00 | 27°42 | 8°R 3 | 5°39 | 5°45 | 23°33 | 23°17 | 9°30 | 4°42 | 7°55 | 25°D35 | 25°48 | 11°28 | 27°21 | M 5 |
| T 6 | 13 30 20 | 24°23'27 | 11♉39 | 8° 0 | 6°53 | 6°24 | 23°46 | 23°19 | 9°29 | 4°44 | 7°57 | 25°35 | 25°45 | 11°35 | 27°23 | T 6 |
| W 7 | 13 34 17 | 25°21'51 | 25°48 | 7°51 | 8° 6 | 7° 3 | 23°59 | 23°21 | 9°29 | 4°46 | 7°58 | 25°R35 | 25°42 | 11°41 | 27°24 | W 7 |
| T 8 | 13 38 13 | 26°20'14 | 10♊ 5 | 7°37 | 9°20 | 7°42 | 24°12 | 23°22 | 9°D29 | 4°48 | 7°59 | 25°35 | 25°39 | 11°48 | 27°25 | T 8 |
| F 9 | 13 42 10 | 27°18'35 | 24°26 | 7°19 | 10°34 | 8°21 | 24°25 | 23°24 | 9°29 | 4°51 | 8° 1 | 25°34 | 25°36 | 11°55 | 27°26 | F 9 |
| S 10 | 13 46 7 | 28°16'54 | 8♋47 | 6°56 | 11°48 | 9° 0 | 24°38 | 23°26 | 9°29 | 4°53 | 8° 2 | 25°34 | 25°33 | 12° 1 | 27°27 | S 10 |
| S 11 | 13 50 3 | 29°15'10 | 23° 4 | 6°29 | 13° 2 | 9°39 | 24°52 | 23°27 | 9°30 | 4°55 | 8° 3 | 25°D34 | 25°29 | 12° 8 | 27°28 | S 11 |
| M12 | 13 54 0 | 0♉13'25 | 7♌15 | 5°59 | 14°16 | 10°17 | 25° 5 | 23°28 | 9°30 | 4°57 | 8° 5 | 25°34 | 25°26 | 12°15 | 27°29 | M12 |
| T 13 | 13 57 56 | 1°11'37 | 21°16 | 5°25 | 15°29 | 10°56 | 25°18 | 23°29 | 9°30 | 4°59 | 8° 6 | 25°34 | 25°23 | 12°22 | 27°30 | T 13 |
| W14 | 14 1 53 | 2° 9'47 | 5♍ 8 | 4°50 | 16°43 | 11°35 | 25°32 | 23°30 | 9°30 | 5° 1 | 8° 7 | 25°35 | 25°20 | 12°28 | 27°31 | W14 |
| T 15 | 14 5 49 | 3° 7'56 | 18°48 | 4°13 | 17°57 | 12°14 | 25°45 | 23°31 | 9°31 | 5° 3 | 8° 9 | 25°36 | 25°17 | 12°35 | 27°32 | T 15 |
| F 16 | 14 9 46 | 4° 6'02 | 2♎16 | 3°35 | 19°10 | 12°53 | 25°59 | 23°32 | 9°31 | 5° 5 | 8°10 | 25°36 | 25°13 | 12°42 | 27°32 | F 16 |
| S 17 | 14 13 42 | 5° 4'06 | 15°30 | 2°57 | 20°24 | 13°32 | 26°12 | 23°33 | 9°31 | 5° 7 | 8°12 | 25°37 | 25°10 | 12°48 | 27°33 | S 17 |
| S 18 | 14 17 39 | 6° 2'09 | 28°31 | 2°19 | 21°38 | 14°10 | 26°26 | 23°34 | 9°32 | 5° 9 | 8°13 | 25°R37 | 25° 7 | 12°55 | 27°33 | S 18 |
| M19 | 14 21 36 | 7° 0'09 | 11♏18 | 1°43 | 22°51 | 14°49 | 26°39 | 23°34 | 9°32 | 5°11 | 8°14 | 25°36 | 25° 4 | 13° 2 | 27°34 | M19 |
| T 20 | 14 25 32 | 7°58'09 | 23°52 | 1° 8 | 24° 5 | 15°28 | 26°53 | 23°35 | 9°33 | 5°13 | 8°16 | 25°35 | 25° 1 | 13° 9 | 27°34 | T 20 |
| W21 | 14 29 29 | 8°56'07 | 6♐13 | 0°35 | 25°18 | 16° 7 | 27° 7 | 23°35 | 9°34 | 5°15 | 8°17 | 25°34 | 24°58 | 13°15 | 27°35 | W21 |
| T 22 | 14 33 25 | 9°54'03 | 18°23 | 0° 6 | 26°32 | 16°45 | 27°20 | 23°36 | 9°34 | 5°17 | 8°18 | 25°32 | 24°54 | 13°22 | 27°35 | T 22 |
| F 23 | 14 37 22 | 10°51'58 | 0♑24 | 29♈39 | 27°45 | 17°24 | 27°34 | 23°36 | 9°35 | 5°19 | 8°20 | 25°30 | 24°51 | 13°29 | 27°35 | F 23 |
| S 24 | 14 41 18 | 11°49'51 | 12°19 | 29°17 | 28°59 | 18° 3 | 27°48 | 23°36 | 9°36 | 5°21 | 8°21 | 25°28 | 24°48 | 13°35 | 27°35 | S 24 |
| S 25 | 14 45 15 | 12°47'44 | 24°12 | 28°58 | 0♊12 | 18°42 | 28° 1 | 23°R36 | 9°37 | 5°23 | 8°22 | 25°26 | 24°45 | 13°42 | 27°R35 | S 25 |
| M26 | 14 49 11 | 13°45'35 | 6♒ 7 | 28°43 | 1°26 | 19°20 | 28°15 | 23°36 | 9°38 | 5°25 | 8°24 | 25°25 | 24°42 | 13°49 | 27°35 | M26 |
| T 27 | 14 53 8 | 14°43'24 | 18° 8 | 28°33 | 2°39 | 19°59 | 28°29 | 23°36 | 9°39 | 5°27 | 8°25 | 25°D25 | 24°39 | 13°56 | 27°35 | T 27 |
| W28 | 14 57 5 | 15°41'13 | 0♓19 | 28°27 | 3°53 | 20°37 | 28°43 | 23°35 | 9°40 | 5°29 | 8°26 | 25°25 | 24°35 | 14° 2 | 27°35 | W28 |
| T 29 | 15 1 1 | 16°39'00 | 12°46 | 28°D26 | 5° 6 | 21°16 | 28°56 | 23°35 | 9°41 | 5°30 | 8°28 | 25°27 | 24°32 | 14° 9 | 27°34 | T 29 |
| F 30 | 15 4 58 | 17♉36'46 | 25♓32 | 28♈29 | 6♊19 | 21♊55 | 29♉10 | 23♑35 | 9♌42 | 5♈32 | 8♉29 | 25♈28 | 24♈29 | 14♑16 | 27♑34 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n40 | 13s34 | 4s 5 | 16n51 | 3n 2 | 11n12 | 0s36 | 21n48 | 0n57 | 17n52 | 0s40 | 21s30 | 0n 2 | 18n36 | 0n41 | 0n25 | 1s31 | 0s13 | 15s11 | 9n56 | 10n 5 | 28s 1 | 14s 4 | 6n50 |
| F 2 | 8 2 | 7 55 | 3 15 | 16 57 | 3 1 | 11 39 | 0 34 | 21 55 | 0 58 | 17 55 | 0 40 | 21 30 | 0 2 | 18 36 | 0 41 | 0 26 | 1 31 | 0 13 | 15 11 | 9 56 | 10 4 | 28 1 | 14 3 | 6 51 |
| S 3 | 8 24 | 1 47 | 2 14 | 16 59 | 2 58 | 12 7 | 0 32 | 22 3 | 0 58 | 17 59 | 0 40 | 21 29 | 0 2 | 18 36 | 0 41 | 0 27 | 1 31 | 0 12 | 15 11 | 9 55 | 10 3 | 28 0 | 14 3 | 6 51 |
| S 4 | 8 46 | 4n34 | 1 4 | 16 59 | 2 55 | 12 34 | 0 30 | 22 11 | 0 58 | 18 2 | 0 39 | 21 29 | 0 2 | 18 36 | 0 41 | 0 28 | 1 31 | 0 12 | 15 11 | 9 55 | 10 2 | 28 0 | 14 2 | 6 52 |
| M 5 | 9 8 | 10 53 | 0n12 | 16 55 | 2 50 | 13 1 | 0 27 | 22 18 | 0 58 | 18 5 | 0 39 | 21 29 | 0 2 | 18 36 | 0 41 | 0 29 | 1 31 | 0 11 | 15 11 | 9 55 | 10 0 | 28 0 | 14 1 | 6 52 |
| T 6 | 9 29 | 16 46 | 1 28 | 16 48 | 2 44 | 13 28 | 0 25 | 22 25 | 0 59 | 18 9 | 0 39 | 21 29 | 0 1 | 18 36 | 0 41 | 0 30 | 1 31 | 0 11 | 15 11 | 9 55 | 9 59 | 27 59 | 14 0 | 6 53 |
| W 7 | 9 51 | 21 52 | 2 40 | 16 38 | 2 36 | 13 54 | 0 23 | 22 32 | 0 59 | 18 12 | 0 39 | 21 28 | 0 1 | 18 36 | 0 41 | 0 30 | 1 31 | 0 10 | 15 10 | 9 55 | 9 58 | 27 59 | 14 0 | 6 53 |
| T 8 | 10 12 | 25 42 | 3 42 | 16 25 | 2 27 | 14 20 | 0 20 | 22 39 | 0 59 | 18 16 | 0 39 | 21 28 | 0 1 | 18 36 | 0 41 | 0 31 | 1 31 | 0 10 | 15 10 | 9 55 | 9 57 | 27 58 | 13 59 | 6 54 |
| F 9 | 10 33 | 27 55 | 4 31 | 16 9 | 2 17 | 14 46 | 0 18 | 22 45 | 1 0 | 18 19 | 0 39 | 21 28 | 0 1 | 18 36 | 0 41 | 0 32 | 1 31 | 0 9 | 15 10 | 9 55 | 9 56 | 27 58 | 13 58 | 6 54 |
| S 10 | 10 54 | 28 16 | 5 3 | 15 51 | 2 5 | 15 11 | 0 16 | 22 52 | 1 0 | 18 22 | 0 39 | 21 28 | 0 1 | 18 36 | 0 41 | 0 33 | 1 31 | 0 9 | 15 10 | 9 55 | 9 55 | 27 58 | 13 57 | 6 55 |
| S 11 | 11 15 | 26 44 | 5 16 | 15 30 | 1 53 | 15 36 | 0 13 | 22 58 | 1 0 | 18 26 | 0 38 | 21 28 | 0 1 | 18 36 | 0 41 | 0 34 | 1 31 | 0 8 | 15 10 | 9 55 | 9 53 | 27 57 | 13 57 | 6 55 |
| M12 | 11 35 | 23 31 | 5 10 | 15 7 | 1 39 | 16 0 | 0 11 | 23 4 | 1 1 | 18 29 | 0 38 | 21 28 | 0 1 | 18 36 | 0 41 | 0 34 | 1 31 | 0 8 | 15 10 | 9 55 | 9 52 | 27 57 | 13 56 | 6 56 |
| T 13 | 11 56 | 18 58 | 4 46 | 14 42 | 1 24 | 16 24 | 0 8 | 23 10 | 1 1 | 18 32 | 0 38 | 21 27 | 0 1 | 18 36 | 0 41 | 0 35 | 1 31 | 0 7 | 15 10 | 9 55 | 9 51 | 27 56 | 13 55 | 6 56 |
| W14 | 12 16 | 13 27 | 4 4 | 14 15 | 1 9 | 16 48 | 0 6 | 23 16 | 1 1 | 18 36 | 0 38 | 21 27 | 0 1 | 18 36 | 0 41 | 0 36 | 1 32 | 0 7 | 15 10 | 9 55 | 9 50 | 27 56 | 13 55 | 6 57 |
| T 15 | 12 36 | 7 21 | 3 10 | 13 48 | 0 53 | 17 11 | 0 3 | 23 21 | 1 1 | 18 39 | 0 38 | 21 27 | 0 1 | 18 36 | 0 41 | 0 37 | 1 32 | 0 7 | 15 10 | 9 56 | 9 49 | 27 55 | 13 54 | 6 57 |
| F 16 | 12 56 | 1 1 | 2 6 | 13 19 | 0 36 | 17 34 | 0 1 | 23 27 | 1 2 | 18 42 | 0 38 | 21 27 | 0 1 | 18 35 | 0 41 | 0 38 | 1 32 | 0 6 | 15 10 | 9 56 | 9 48 | 27 55 | 13 53 | 6 58 |
| S 17 | 13 15 | 5s16 | 0 56 | 12 50 | 0 19 | 17 56 | 0n 2 | 23 32 | 1 2 | 18 46 | 0 38 | 21 27 | 0 1 | 18 35 | 0 41 | 0 38 | 1 32 | 0 6 | 15 10 | 9 56 | 9 46 | 27 54 | 13 53 | 6 58 |
| S 18 | 13 35 | 11 14 | 0s16 | 12 21 | 0 2 | 18 18 | 0 4 | 23 37 | 1 2 | 18 49 | 0 38 | 21 27 | 0 0 | 18 35 | 0 41 | 0 39 | 1 32 | 0 5 | 15 10 | 9 56 | 9 45 | 27 54 | 13 52 | 6 59 |
| M19 | 13 54 | 16 38 | 1 26 | 11 52 | 0s16 | 18 40 | 0 7 | 23 41 | 1 2 | 18 52 | 0 37 | 21 27 | 0 0 | 18 35 | 0 41 | 0 40 | 1 32 | 0 5 | 15 10 | 9 56 | 9 44 | 27 53 | 13 52 | 6 59 |
| T 20 | 14 13 | 21 13 | 2 30 | 11 24 | 0 33 | 19 1 | 0 9 | 23 46 | 1 3 | 18 55 | 0 37 | 21 27 | 0 0 | 18 35 | 0 41 | 0 41 | 1 32 | 0 4 | 15 10 | 9 56 | 9 43 | 27 53 | 13 51 | 7 0 |
| W21 | 14 32 | 24 48 | 3 26 | 10 57 | 0 50 | 19 21 | 0 12 | 23 50 | 1 3 | 18 59 | 0 37 | 21 27 | 0 0 | 18 35 | 0 41 | 0 41 | 1 32 | 0 4 | 15 10 | 9 55 | 9 42 | 27 52 | 13 51 | 7 1 |
| T 22 | 14 50 | 27 11 | 4 12 | 10 31 | 1 6 | 19 41 | 0 14 | 23 55 | 1 3 | 19 2 | 0 37 | 21 27 | 0 0 | 18 34 | 0 41 | 0 42 | 1 32 | 0 3 | 15 10 | 9 54 | 9 41 | 27 52 | 13 50 | 7 1 |
| F 23 | 15 8 | 28 17 | 4 46 | 10 7 | 1 22 | 20 0 | 0 17 | 23 59 | 1 3 | 19 5 | 0 37 | 21 27 | 0 0 | 18 34 | 0 41 | 0 43 | 1 32 | 0 3 | 15 10 | 9 53 | 9 39 | 27 51 | 13 49 | 7 2 |
| S 24 | 15 26 | 28 3 | 5 7 | 9 45 | 1 37 | 20 19 | 0 19 | 24 2 | 1 4 | 19 8 | 0 37 | 21 27 | 0s 0 | 18 34 | 0 41 | 0 44 | 1 32 | 0 3 | 15 10 | 9 53 | 9 38 | 27 51 | 13 49 | 7 2 |
| S 25 | 15 44 | 26 31 | 5 15 | 9 24 | 1 51 | 20 37 | 0 22 | 24 6 | 1 4 | 19 11 | 0 37 | 21 27 | 0 0 | 18 34 | 0 41 | 0 44 | 1 32 | 0 2 | 15 10 | 9 52 | 9 37 | 27 50 | 13 48 | 7 3 |
| M26 | 16 1 | 23 48 | 5 10 | 9 7 | 2 5 | 20 55 | 0 24 | 24 9 | 1 4 | 19 15 | 0 37 | 21 27 | 0 0 | 18 33 | 0 41 | 0 45 | 1 32 | 0 2 | 15 10 | 9 52 | 9 36 | 27 50 | 13 48 | 7 3 |
| T 27 | 16 19 | 20 3 | 4 51 | 8 51 | 2 18 | 21 12 | 0 27 | 24 13 | 1 4 | 19 18 | 0 37 | 21 27 | 0 0 | 18 33 | 0 41 | 0 46 | 1 32 | 0 1 | 15 10 | 9 52 | 9 35 | 27 49 | 13 48 | 7 4 |
| W28 | 16 36 | 15 26 | 4 19 | 8 38 | 2 29 | 21 29 | 0 29 | 24 16 | 1 4 | 19 21 | 0 36 | 21 28 | 0 0 | 18 33 | 0 41 | 0 47 | 1 32 | 0 1 | 15 10 | 9 52 | 9 34 | 27 49 | 13 47 | 7 4 |
| T 29 | 16 52 | 10 5 | 3 34 | 8 28 | 2 40 | 21 45 | 0 32 | 24 19 | 1 5 | 19 24 | 0 36 | 21 28 | 0 0 | 18 32 | 0 41 | 0 47 | 1 32 | 0 1 | 15 10 | 9 52 | 9 32 | 27 48 | 13 47 | 7 5 |
| F 30 | 17n 9 | 4s11 | 2s37 | 8n20 | 2s50 | 22n 0 | 0n34 | 24n21 | 1n 5 | 19n27 | 0s36 | 21s28 | 0s 1 | 18n32 | 0n41 | 0n48 | 1s32 | 0s 0 | 15s10 | 9n53 | 9n31 | 27s47 | 13s46 | 7n 5 |

Julian Day Number = 2222271.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'02, Lahiri = 15°06'02 Julian Calendar 1 Apr. 1372 == Greg. Calendar 9 Apr. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## MAY 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 8 54 | 18♉34'31 | 8♈40 | 28♈37 | 7♊33 | 22♊33 | 29♉24 | 23°R34 | 9♌43 | 5♈34 | 8♉31 | 25♈29 | 24♈26 | 14♑23 | 27°R34 | S 1 |
| S 2 | 15 12 51 | 19°32'15 | 22°12 | 28°50 | 8°46 | 23°12 | 29°38 | 23♑33 | 9°44 | 5°36 | 8°32 | 25°R30 | 24°23 | 14°29 | 27♑33 | S 2 |
| M 3 | 15 16 47 | 20°29'57 | 6♉ 8 | 29° 7 | 9°59 | 23°50 | 29°52 | 23°33 | 9°46 | 5°37 | 8°33 | 25°30 | 24°19 | 14°36 | 27°32 | M 3 |
| T 4 | 15 20 44 | 21°27'38 | 20°26 | 29°28 | 11°13 | 24°29 | 0♊ 6 | 23°32 | 9°47 | 5°39 | 8°35 | 25°28 | 24°16 | 14°43 | 27°32 | T 4 |
| W 5 | 15 24 40 | 22°25'19 | 5♊ 0 | 29°54 | 12°26 | 25° 7 | 0°20 | 23°31 | 9°48 | 5°41 | 8°36 | 25°26 | 24°13 | 14°49 | 27°31 | W 5 |
| T 6 | 15 28 37 | 23°22'57 | 19°45 | 0♉23 | 13°39 | 25°46 | 0°34 | 23°30 | 9°50 | 5°43 | 8°37 | 25°22 | 24°10 | 14°56 | 27°30 | T 6 |
| F 7 | 15 32 34 | 24°20'35 | 4♋33 | 0°57 | 14°52 | 26°24 | 0°48 | 23°29 | 9°51 | 5°44 | 8°38 | 25°18 | 24° 7 | 15° 3 | 27°29 | F 7 |
| S 8 | 15 36 30 | 25°18'11 | 19°15 | 1°35 | 16° 5 | 27° 3 | 1° 1 | 23°27 | 9°53 | 5°46 | 8°40 | 25°14 | 24° 4 | 15°10 | 27°29 | S 8 |
| S 9 | 15 40 27 | 26°15'46 | 3♌47 | 2°17 | 17°18 | 27°41 | 1°15 | 23°26 | 9°54 | 5°47 | 8°41 | 25°11 | 24° 0 | 15°16 | 27°28 | S 9 |
| M10 | 15 44 23 | 27°13'19 | 18° 3 | 3° 2 | 18°32 | 28°20 | 1°29 | 23°25 | 9°56 | 5°49 | 8°42 | 25°10 | 23°57 | 15°23 | 27°27 | M10 |
| T 11 | 15 48 20 | 28°10'50 | 2♍ 2 | 3°52 | 19°45 | 28°58 | 1°43 | 23°23 | 9°58 | 5°51 | 8°44 | 25°D10 | 23°54 | 15°30 | 27°25 | T 11 |
| W12 | 15 52 16 | 29° 8'20 | 15°42 | 4°44 | 20°58 | 29°37 | 1°57 | 23°22 | 9°59 | 5°52 | 8°45 | 25°10 | 23°51 | 15°36 | 27°24 | W12 |
| T 13 | 15 56 13 | 0♊ 5'49 | 29° 5 | 5°40 | 22°11 | 0♋15 | 2°11 | 23°20 | 10° 1 | 5°54 | 8°46 | 25°12 | 23°48 | 15°43 | 27°23 | T 13 |
| F 14 | 16 0 9 | 1° 3'16 | 12♎12 | 6°40 | 23°24 | 0°53 | 2°25 | 23°18 | 10° 3 | 5°55 | 8°48 | 25°13 | 23°44 | 15°50 | 27°22 | F 14 |
| S 15 | 16 4 6 | 2° 0'42 | 25° 5 | 7°43 | 24°37 | 1°32 | 2°39 | 23°16 | 10° 5 | 5°57 | 8°49 | 25°R14 | 23°41 | 15°57 | 27°20 | S 15 |
| S 16 | 16 8 3 | 2°58'07 | 7♏45 | 8°49 | 25°49 | 2°10 | 2°53 | 23°14 | 10° 7 | 5°58 | 8°50 | 25°13 | 23°38 | 16° 3 | 27°19 | S 16 |
| M17 | 16 11 59 | 3°55'31 | 20°14 | 9°58 | 27° 2 | 2°49 | 3° 7 | 23°12 | 10° 9 | 5°59 | 8°51 | 25°11 | 23°35 | 16°10 | 27°17 | M17 |
| T 18 | 16 15 56 | 4°52'54 | 2♐33 | 11°10 | 28°15 | 3°27 | 3°21 | 23°10 | 10°11 | 6° 1 | 8°53 | 25° 6 | 23°32 | 16°17 | 27°16 | T 18 |
| W19 | 16 19 52 | 5°50'16 | 14°44 | 12°25 | 29°28 | 4° 5 | 3°35 | 23° 8 | 10°13 | 6° 2 | 8°54 | 25° 0 | 23°29 | 16°24 | 27°14 | W19 |
| T 20 | 16 23 49 | 6°47'38 | 26°47 | 13°44 | 0♋41 | 4°44 | 3°49 | 23° 6 | 10°15 | 6° 4 | 8°55 | 24°53 | 23°25 | 16°30 | 27°13 | T 20 |
| F 21 | 16 27 45 | 7°44'58 | 8♑45 | 15° 5 | 1°54 | 5°22 | 4° 3 | 23° 3 | 10°17 | 6° 5 | 8°56 | 24°45 | 23°22 | 16°37 | 27°11 | F 21 |
| S 22 | 16 31 42 | 8°42'18 | 20°38 | 16°29 | 3° 6 | 6° 0 | 4°17 | 23° 1 | 10°19 | 6° 6 | 8°57 | 24°37 | 23°19 | 16°44 | 27° 9 | S 22 |
| S 23 | 16 35 39 | 9°39'37 | 2♒30 | 17°56 | 4°19 | 6°38 | 4°31 | 22°58 | 10°21 | 6° 7 | 8°59 | 24°31 | 23°16 | 16°50 | 27° 7 | S 23 |
| M24 | 16 39 35 | 10°36'56 | 14°24 | 19°26 | 5°32 | 7°17 | 4°45 | 22°56 | 10°24 | 6° 9 | 9° 0 | 24°26 | 23°13 | 16°57 | 27° 5 | M24 |
| T 25 | 16 43 32 | 11°34'14 | 26°23 | 20°59 | 6°44 | 7°55 | 4°58 | 22°53 | 10°26 | 6°10 | 9° 1 | 24°22 | 23°10 | 17° 4 | 27° 3 | T 25 |
| W26 | 16 47 28 | 12°31'32 | 8♓33 | 22°34 | 7°57 | 8°33 | 5°12 | 22°50 | 10°28 | 6°11 | 9° 2 | 24°D21 | 23° 6 | 17°11 | 27° 1 | W26 |
| T 27 | 16 51 25 | 13°28'49 | 20°56 | 24°12 | 9°10 | 9°11 | 5°26 | 22°47 | 10°31 | 6°12 | 9° 3 | 24°21 | 23° 3 | 17°17 | 26°59 | T 27 |
| F 28 | 16 55 21 | 14°26'06 | 3♈39 | 25°54 | 10°22 | 9°50 | 5°40 | 22°44 | 10°33 | 6°13 | 9° 5 | 24°22 | 23° 0 | 17°24 | 26°57 | F 28 |
| S 29 | 16 59 18 | 15°23'22 | 16°45 | 27°37 | 11°35 | 10°28 | 5°54 | 22°41 | 10°35 | 6°14 | 9° 6 | 24°23 | 22°57 | 17°31 | 26°55 | S 29 |
| S 30 | 17 3 14 | 16°20'39 | 0♉18 | 29°24 | 12°47 | 11° 6 | 6° 8 | 22°38 | 10°38 | 6°15 | 9° 7 | 24°R23 | 22°54 | 17°38 | 26°52 | S 30 |
| M31 | 17 7 11 | 17♊17'55 | 14♉19 | 1♊13 | 14♋ 0 | 11♋44 | 6♊21 | 22♑35 | 10♌40 | 6♈16 | 9♉ 8 | 24♈22 | 22♈50 | 17♑44 | 26♑50 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n25 | 2n 3 | 1s31 | 8n14 | 2s58 | 22n15 | 0n37 | 24n24 | 1n 5 | 19n30 | 0s36 | 21s28 | 0s 1 | 18n32 | 0n41 | 0n49 | 1s32 | 0n 0 | 15s10 | 9n53 | 9n30 | 27s47 | 13s46 | 7n 6 |
| S 2 | 17 41 | 8 24 | 0 18 | 8 12 | 3 6 | 22 29 | 0 39 | 24 26 | 1 5 | 19 33 | 0 36 | 21 28 | 0 1 | 18 31 | 0 40 | 0 49 | 1 32 | 0 1 | 15 10 | 9 54 | 9 29 | 27 46 | 13 45 | 7 6 |
| M 3 | 17 56 | 14 32 | 0n58 | 8 11 | 3 13 | 22 43 | 0 42 | 24 28 | 1 5 | 19 36 | 0 36 | 21 29 | 0 1 | 18 31 | 0 40 | 0 50 | 1 32 | 0 1 | 15 10 | 9 54 | 9 28 | 27 46 | 13 45 | 7 7 |
| T 4 | 18 11 | 20 3 | 2 13 | 8 14 | 3 19 | 22 56 | 0 44 | 24 30 | 1 6 | 19 39 | 0 36 | 21 29 | 0 1 | 18 31 | 0 40 | 0 51 | 1 32 | 0 1 | 15 10 | 9 53 | 9 27 | 27 45 | 13 45 | 7 7 |
| W 5 | 18 26 | 24 29 | 3 20 | 8 18 | 3 23 | 23 8 | 0 47 | 24 32 | 1 6 | 19 43 | 0 36 | 21 29 | 0 1 | 18 30 | 0 40 | 0 51 | 1 32 | 0 2 | 15 10 | 9 52 | 9 25 | 27 44 | 13 44 | 7 7 |
| T 6 | 18 41 | 27 21 | 4 14 | 8 25 | 3 27 | 23 20 | 0 49 | 24 33 | 1 6 | 19 46 | 0 36 | 21 29 | 0 1 | 18 30 | 0 40 | 0 52 | 1 32 | 0 2 | 15 10 | 9 51 | 9 24 | 27 44 | 13 44 | 7 8 |
| F 7 | 18 55 | 28 19 | 4 52 | 8 34 | 3 30 | 23 31 | 0 51 | 24 35 | 1 6 | 19 49 | 0 36 | 21 30 | 0 1 | 18 29 | 0 40 | 0 52 | 1 32 | 0 2 | 15 10 | 9 49 | 9 23 | 27 43 | 13 44 | 7 8 |
| S 8 | 19 9 | 27 15 | 5 11 | 8 45 | 3 32 | 23 41 | 0 54 | 24 36 | 1 6 | 19 51 | 0 35 | 21 30 | 0 1 | 18 29 | 0 40 | 0 53 | 1 32 | 0 3 | 15 10 | 9 48 | 9 22 | 27 42 | 13 43 | 7 9 |
| S 9 | 19 23 | 24 22 | 5 9 | 8 58 | 3 33 | 23 50 | 0 56 | 24 37 | 1 6 | 19 54 | 0 35 | 21 30 | 0 1 | 18 28 | 0 40 | 0 54 | 1 32 | 0 3 | 15 10 | 9 47 | 9 21 | 27 42 | 13 43 | 7 9 |
| M10 | 19 36 | 20 2 | 4 48 | 9 14 | 3 33 | 23 59 | 0 58 | 24 37 | 1 7 | 19 57 | 0 35 | 21 30 | 0 1 | 18 28 | 0 40 | 0 54 | 1 32 | 0 3 | 15 10 | 9 46 | 9 20 | 27 41 | 13 43 | 7 10 |
| T 11 | 19 49 | 14 41 | 4 10 | 9 31 | 3 33 | 24 8 | 1 0 | 24 38 | 1 7 | 20 0 | 0 35 | 21 31 | 0 1 | 18 28 | 0 40 | 0 55 | 1 33 | 0 4 | 15 10 | 9 46 | 9 18 | 27 40 | 13 43 | 7 10 |
| W12 | 20 2 | 8 42 | 3 19 | 9 49 | 3 31 | 24 15 | 1 2 | 24 38 | 1 7 | 20 3 | 0 35 | 21 31 | 0 2 | 18 27 | 0 40 | 0 55 | 1 33 | 0 4 | 15 10 | 9 46 | 9 17 | 27 40 | 13 42 | 7 11 |
| T 13 | 20 15 | 2 28 | 2 18 | 10 10 | 3 29 | 24 22 | 1 5 | 24 38 | 1 7 | 20 6 | 0 35 | 21 32 | 0 2 | 18 27 | 0 40 | 0 56 | 1 33 | 0 4 | 15 10 | 9 47 | 9 16 | 27 39 | 13 42 | 7 11 |
| F 14 | 20 27 | 3s46 | 1 10 | 10 32 | 3 27 | 24 28 | 1 7 | 24 38 | 1 7 | 20 9 | 0 35 | 21 32 | 0 2 | 18 26 | 0 40 | 0 56 | 1 33 | 0 5 | 15 10 | 9 48 | 9 15 | 27 38 | 13 42 | 7 12 |
| S 15 | 20 38 | 9 44 | 0 1 | 10 56 | 3 23 | 24 34 | 1 9 | 24 38 | 1 7 | 20 12 | 0 35 | 21 32 | 0 2 | 18 25 | 0 40 | 0 57 | 1 33 | 0 5 | 15 11 | 9 48 | 9 14 | 27 38 | 13 42 | 7 12 |
| S 16 | 20 50 | 15 12 | 1s 8 | 11 21 | 3 19 | 24 38 | 1 11 | 24 38 | 1 8 | 20 14 | 0 35 | 21 33 | 0 2 | 18 25 | 0 40 | 0 58 | 1 33 | 0 5 | 15 11 | 9 47 | 9 12 | 27 37 | 13 42 | 7 13 |
| M17 | 21 0 | 19 59 | 2 12 | 11 47 | 3 14 | 24 42 | 1 13 | 24 37 | 1 8 | 20 17 | 0 35 | 21 33 | 0 2 | 18 24 | 0 40 | 0 58 | 1 33 | 0 5 | 15 11 | 9 47 | 9 11 | 27 36 | 13 41 | 7 13 |
| T 18 | 21 11 | 23 49 | 3 8 | 12 15 | 3 8 | 24 45 | 1 15 | 24 36 | 1 8 | 20 20 | 0 35 | 21 34 | 0 2 | 18 24 | 0 40 | 0 59 | 1 33 | 0 6 | 15 11 | 9 45 | 9 10 | 27 36 | 13 41 | 7 13 |
| W19 | 21 21 | 26 33 | 3 56 | 12 43 | 3 2 | 24 48 | 1 17 | 24 35 | 1 8 | 20 23 | 0 34 | 21 34 | 0 2 | 18 23 | 0 40 | 0 59 | 1 33 | 0 6 | 15 11 | 9 43 | 9 9 | 27 35 | 13 41 | 7 14 |
| T 20 | 21 31 | 28 1 | 4 32 | 13 13 | 2 56 | 24 50 | 1 18 | 24 34 | 1 8 | 20 25 | 0 34 | 21 35 | 0 2 | 18 23 | 0 40 | 1 0 | 1 33 | 0 6 | 15 11 | 9 40 | 9 8 | 27 34 | 13 41 | 7 14 |
| F 21 | 21 41 | 28 9 | 4 56 | 13 44 | 2 48 | 24 51 | 1 20 | 24 33 | 1 8 | 20 28 | 0 34 | 21 35 | 0 2 | 18 22 | 0 40 | 1 0 | 1 33 | 0 6 | 15 11 | 9 37 | 9 7 | 27 33 | 13 41 | 7 15 |
| S 22 | 21 50 | 26 59 | 5 7 | 14 15 | 2 41 | 24 51 | 1 22 | 24 31 | 1 8 | 20 31 | 0 34 | 21 36 | 0 2 | 18 21 | 0 40 | 1 0 | 1 33 | 0 7 | 15 11 | 9 34 | 9 5 | 27 33 | 13 41 | 7 15 |
| S 23 | 21 59 | 24 37 | 5 5 | 14 48 | 2 32 | 24 51 | 1 24 | 24 30 | 1 8 | 20 33 | 0 34 | 21 36 | 0 3 | 18 21 | 0 40 | 1 1 | 1 33 | 0 7 | 15 11 | 9 32 | 9 4 | 27 32 | 13 41 | 7 16 |
| M24 | 22 7 | 21 11 | 4 50 | 15 21 | 2 24 | 24 50 | 1 25 | 24 28 | 1 8 | 20 36 | 0 34 | 21 37 | 0 3 | 18 20 | 0 40 | 1 1 | 1 33 | 0 7 | 15 12 | 9 30 | 9 3 | 27 31 | 13 41 | 7 16 |
| T 25 | 22 15 | 16 51 | 4 21 | 15 54 | 2 14 | 24 48 | 1 27 | 24 26 | 1 9 | 20 39 | 0 34 | 21 37 | 0 3 | 18 19 | 0 40 | 1 2 | 1 33 | 0 7 | 15 12 | 9 29 | 9 2 | 27 30 | 13 41 | 7 16 |
| W26 | 22 23 | 11 49 | 3 41 | 16 28 | 2 5 | 24 45 | 1 29 | 24 23 | 1 9 | 20 41 | 0 34 | 21 38 | 0 3 | 18 19 | 0 40 | 1 2 | 1 33 | 0 8 | 15 12 | 9 28 | 9 1 | 27 29 | 13 41 | 7 17 |
| T 27 | 22 30 | 6 12 | 2 50 | 17 2 | 1 55 | 24 42 | 1 30 | 24 21 | 1 9 | 20 44 | 0 34 | 21 38 | 0 3 | 18 18 | 0 40 | 1 3 | 1 33 | 0 8 | 15 12 | 9 28 | 8 59 | 27 29 | 13 41 | 7 17 |
| F 28 | 22 37 | 0 13 | 1 49 | 17 36 | 1 45 | 24 38 | 1 31 | 24 18 | 1 9 | 20 46 | 0 34 | 21 39 | 0 3 | 18 17 | 0 40 | 1 3 | 1 33 | 0 8 | 15 12 | 9 29 | 8 58 | 27 28 | 13 41 | 7 18 |
| S 29 | 22 43 | 5n59 | 0 41 | 18 10 | 1 34 | 24 33 | 1 33 | 24 15 | 1 9 | 20 49 | 0 34 | 21 39 | 0 3 | 18 17 | 0 40 | 1 3 | 1 33 | 0 8 | 15 12 | 9 29 | 8 57 | 27 27 | 13 41 | 7 18 |
| S 30 | 22 49 | 12 7 | 0n32 | 18 44 | 1 23 | 24 28 | 1 34 | 24 12 | 1 9 | 20 51 | 0 34 | 21 40 | 0 3 | 18 16 | 0 40 | 1 4 | 1 33 | 0 8 | 15 13 | 9 29 | 8 56 | 27 26 | 13 41 | 7 18 |
| M31 | 22n55 | 17n51 | 1n45 | 19n18 | 1s12 | 24n22 | 1n35 | 24n 9 | 1n 9 | 20n54 | 0s33 | 21s41 | 0s 3 | 18n15 | 0n40 | 1n 4 | 1s34 | 0n 9 | 15s13 | 9n29 | 8n55 | 27s25 | 13s41 | 7n19 |

Julian Day Number = 2222301.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'06, Lahiri = 15°06'07 Julian Calendar 1 May 1372 == Greg. Calendar 9 May 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## JUNE 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 11 8 | 18♊15'10 | 28♉46 | 3♊ 5 | 15♋12 | 12♋23 | 6♊35 | 22°R32 | 10♌43 | 6♈17 | 9♉ 9 | 24°R18 | 22♈47 | 17♑51 | 26°R48 | T 1 |
| W 2 | 17 15 4 | 19°12'26 | 13♊35 | 4°59 | 16°25 | 13° 1 | 6°49 | 22♑29 | 10°46 | 6°18 | 9°10 | 24♈12 | 22°44 | 17°58 | 26♑45 | W 2 |
| T 3 | 17 19 1 | 20° 9'41 | 28°40 | 6°56 | 17°37 | 13°39 | 7° 3 | 22°25 | 10°48 | 6°19 | 9°11 | 24° 4 | 22°41 | 18° 4 | 26°43 | T 3 |
| F 4 | 17 22 57 | 21° 6'56 | 13♋49 | 8°55 | 18°50 | 14°17 | 7°17 | 22°22 | 10°51 | 6°20 | 9°12 | 23°56 | 22°38 | 18°11 | 26°40 | F 4 |
| S 5 | 17 26 54 | 22° 4'10 | 28°53 | 10°57 | 20° 2 | 14°55 | 7°30 | 22°19 | 10°54 | 6°21 | 9°13 | 23°48 | 22°35 | 18°18 | 26°38 | S 5 |
| S 6 | 17 30 50 | 23° 1'23 | 13♌43 | 13° 0 | 21°14 | 15°33 | 7°44 | 22°15 | 10°56 | 6°22 | 9°14 | 23°41 | 22°31 | 18°25 | 26°35 | S 6 |
| M 7 | 17 34 47 | 23°58'36 | 28°12 | 15° 5 | 22°27 | 16°12 | 7°58 | 22°11 | 10°59 | 6°23 | 9°15 | 23°36 | 22°28 | 18°31 | 26°33 | M 7 |
| T 8 | 17 38 43 | 24°55'48 | 12♍17 | 17°12 | 23°39 | 16°50 | 8°11 | 22° 8 | 11° 2 | 6°23 | 9°16 | 23°34 | 22°25 | 18°38 | 26°30 | T 8 |
| W 9 | 17 42 40 | 25°53'00 | 25°57 | 19°20 | 24°51 | 17°28 | 8°25 | 22° 4 | 11° 5 | 6°24 | 9°17 | 23°D33 | 22°22 | 18°45 | 26°27 | W 9 |
| T 10 | 17 46 37 | 26°50'11 | 9♎13 | 21°29 | 26° 3 | 18° 6 | 8°38 | 22° 0 | 11° 8 | 6°25 | 9°18 | 23°34 | 22°19 | 18°51 | 26°24 | T 10 |
| F 11 | 17 50 33 | 27°47'22 | 22° 9 | 23°39 | 27°15 | 18°44 | 8°52 | 21°56 | 11°11 | 6°26 | 9°19 | 23°R34 | 22°16 | 18°58 | 26°21 | F 11 |
| S 12 | 17 54 30 | 28°44'32 | 4♏48 | 25°50 | 28°27 | 19°22 | 9° 5 | 21°53 | 11°14 | 6°26 | 9°20 | 23°33 | 22°12 | 19° 5 | 26°19 | S 12 |
| S 13 | 17 58 26 | 29°41'42 | 17°14 | 28° 0 | 29°39 | 20° 0 | 9°19 | 21°49 | 11°17 | 6°27 | 9°21 | 23°31 | 22° 9 | 19°12 | 26°16 | S 13 |
| M14 | 18 2 23 | 0♋38'52 | 29°29 | 0♋11 | 0♌51 | 20°38 | 9°32 | 21°45 | 11°20 | 6°27 | 9°22 | 23°26 | 22° 6 | 19°18 | 26°13 | M14 |
| T 15 | 18 6 19 | 1°36'01 | 11♐36 | 2°22 | 2° 3 | 21°17 | 9°46 | 21°41 | 11°23 | 6°28 | 9°23 | 23°18 | 22° 3 | 19°25 | 26°10 | T 15 |
| W16 | 18 10 16 | 2°33'11 | 23°37 | 4°31 | 3°15 | 21°55 | 9°59 | 21°37 | 11°26 | 6°28 | 9°24 | 23° 8 | 22° 0 | 19°32 | 26° 7 | W16 |
| T 17 | 18 14 12 | 3°30'20 | 5♑34 | 6°41 | 4°27 | 22°33 | 10°12 | 21°33 | 11°29 | 6°29 | 9°25 | 22°56 | 21°56 | 19°39 | 26° 4 | T 17 |
| F 18 | 18 18 9 | 4°27'30 | 17°28 | 8°49 | 5°39 | 23°11 | 10°26 | 21°29 | 11°32 | 6°29 | 9°26 | 22°44 | 21°53 | 19°45 | 26° 1 | F 18 |
| S 19 | 18 22 6 | 5°24'39 | 29°21 | 10°55 | 6°51 | 23°49 | 10°39 | 21°24 | 11°35 | 6°30 | 9°27 | 22°31 | 21°50 | 19°52 | 25°58 | S 19 |
| S 20 | 18 26 2 | 6°21'49 | 11♒13 | 13° 1 | 8° 2 | 24°27 | 10°52 | 21°20 | 11°38 | 6°30 | 9°27 | 22°20 | 21°47 | 19°59 | 25°54 | S 20 |
| M21 | 18 29 59 | 7°18'59 | 23° 8 | 15° 5 | 9°14 | 25° 5 | 11° 5 | 21°16 | 11°42 | 6°31 | 9°28 | 22°11 | 21°44 | 20° 5 | 25°51 | M21 |
| T 22 | 18 33 55 | 8°16'10 | 5♓ 9 | 17° 8 | 10°26 | 25°43 | 11°18 | 21°12 | 11°45 | 6°31 | 9°29 | 22° 4 | 21°41 | 20°12 | 25°48 | T 22 |
| W23 | 18 37 52 | 9°13'20 | 17°18 | 19° 9 | 11°37 | 26°21 | 11°31 | 21° 7 | 11°48 | 6°31 | 9°30 | 22° 0 | 21°37 | 20°19 | 25°45 | W23 |
| T 24 | 18 41 48 | 10°10'32 | 29°40 | 21° 8 | 12°49 | 26°59 | 11°44 | 21° 3 | 11°51 | 6°31 | 9°30 | 21°58 | 21°34 | 20°26 | 25°42 | T 24 |
| F 25 | 18 45 45 | 11° 7'44 | 12♈19 | 23° 5 | 14° 1 | 27°37 | 11°57 | 20°59 | 11°55 | 6°32 | 9°31 | 21°D58 | 21°31 | 20°32 | 25°38 | F 25 |
| S 26 | 18 49 41 | 12° 4'56 | 25°21 | 25° 1 | 15°12 | 28°15 | 12°10 | 20°54 | 11°58 | 6°32 | 9°32 | 21°R58 | 21°28 | 20°39 | 25°35 | S 26 |
| S 27 | 18 53 38 | 13° 2'09 | 8♉48 | 26°55 | 16°23 | 28°53 | 12°23 | 20°50 | 12° 1 | 6°32 | 9°33 | 21°57 | 21°25 | 20°46 | 25°32 | S 27 |
| M28 | 18 57 35 | 13°59'23 | 22°44 | 28°47 | 17°35 | 29°31 | 12°36 | 20°46 | 12° 5 | 6°32 | 9°33 | 21°54 | 21°22 | 20°53 | 25°29 | M28 |
| T 29 | 19 1 31 | 14°56'37 | 7♊ 8 | 0♌37 | 18°46 | 0♌ 9 | 12°49 | 20°41 | 12° 8 | 6°32 | 9°34 | 21°49 | 21°18 | 20°59 | 25°25 | T 29 |
| W30 | 19 5 28 | 15♋53'53 | 21♊59 | 2♌25 | 19♌57 | 0♌47 | 13♊ 2 | 20♑37 | 12♌12 | 6♈32 | 9♉35 | 21♈42 | 21♈15 | 21♑ 6 | 25♑22 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n 0 | 22n46 | 2n53 | 19n51 | 1s 1 | 24n15 | 1n36 | 24n 6 | 1n 9 | 20n56 | 0s33 | 21s41 | 0s 3 | 18n15 | 0n40 | 1n 4 | 1s34 | 0n 9 | 15s13 | 9n27 | 8n54 | 27s24 | 13s41 | 7n19 |
| W 2 | 23 5 | 26 21 | 3 52 | 20 24 | 0 49 | 24 7 | 1 38 | 24 2 | 1 9 | 20 59 | 0 33 | 21 42 | 0 3 | 18 14 | 0 40 | 1 5 | 1 34 | 0 9 | 15 13 | 9 25 | 8 52 | 27 24 | 13 41 | 7 19 |
| T 3 | 23 9 | 28 6 | 4 36 | 20 55 | 0 38 | 23 59 | 1 39 | 23 58 | 1 9 | 21 1 | 0 33 | 21 42 | 0 4 | 18 13 | 0 40 | 1 5 | 1 34 | 0 9 | 15 13 | 9 22 | 8 51 | 27 23 | 13 41 | 7 20 |
| F 4 | 23 13 | 27 46 | 5 0 | 21 26 | 0 27 | 23 50 | 1 40 | 23 54 | 1 9 | 21 3 | 0 33 | 21 43 | 0 4 | 18 12 | 0 40 | 1 5 | 1 34 | 0 9 | 15 13 | 9 19 | 8 50 | 27 22 | 13 42 | 7 20 |
| S 5 | 23 17 | 25 24 | 5 3 | 21 55 | 0 15 | 23 41 | 1 40 | 23 50 | 1 10 | 21 6 | 0 33 | 21 44 | 0 4 | 18 12 | 0 40 | 1 6 | 1 34 | 0 9 | 15 14 | 9 16 | 8 49 | 27 21 | 13 42 | 7 20 |
| S 6 | 23 20 | 21 20 | 4 46 | 22 22 | 0 4 | 23 30 | 1 41 | 23 46 | 1 10 | 21 8 | 0 33 | 21 44 | 0 4 | 18 11 | 0 40 | 1 6 | 1 34 | 0 9 | 15 14 | 9 14 | 8 48 | 27 20 | 13 42 | 7 21 |
| M 7 | 23 23 | 16 4 | 4 11 | 22 48 | 0n 7 | 23 19 | 1 42 | 23 41 | 1 10 | 21 10 | 0 33 | 21 45 | 0 4 | 18 10 | 0 40 | 1 6 | 1 34 | 0 10 | 15 14 | 9 12 | 8 46 | 27 19 | 13 42 | 7 21 |
| T 8 | 23 26 | 10 5 | 3 22 | 23 12 | 0 18 | 23 8 | 1 43 | 23 37 | 1 10 | 21 12 | 0 33 | 21 46 | 0 4 | 18 9 | 0 39 | 1 6 | 1 34 | 0 10 | 15 14 | 9 11 | 8 45 | 27 18 | 13 42 | 7 21 |
| W 9 | 23 28 | 3 47 | 2 22 | 23 34 | 0 28 | 22 56 | 1 43 | 23 32 | 1 10 | 21 15 | 0 33 | 21 46 | 0 4 | 18 8 | 0 39 | 1 7 | 1 34 | 0 10 | 15 14 | 9 11 | 8 44 | 27 17 | 13 42 | 7 21 |
| T 10 | 23 29 | 2s30 | 1 16 | 23 53 | 0 38 | 22 43 | 1 44 | 23 27 | 1 10 | 21 17 | 0 33 | 21 47 | 0 4 | 18 8 | 0 39 | 1 7 | 1 34 | 0 10 | 15 15 | 9 11 | 8 43 | 27 16 | 13 43 | 7 22 |
| F 11 | 23 30 | 8 32 | 0 8 | 24 10 | 0 48 | 22 29 | 1 44 | 23 22 | 1 10 | 21 19 | 0 33 | 21 48 | 0 4 | 18 7 | 0 39 | 1 7 | 1 34 | 0 10 | 15 15 | 9 11 | 8 42 | 27 16 | 13 43 | 7 22 |
| S 12 | 23 31 | 14 6 | 0s59 | 24 24 | 0 57 | 22 15 | 1 45 | 23 16 | 1 10 | 21 21 | 0 33 | 21 49 | 0 4 | 18 6 | 0 39 | 1 7 | 1 34 | 0 10 | 15 15 | 9 11 | 8 41 | 27 15 | 13 43 | 7 22 |
| S 13 | 23 31 | 18 59 | 2 2 | 24 36 | 1 5 | 22 0 | 1 45 | 23 11 | 1 10 | 21 23 | 0 33 | 21 49 | 0 4 | 18 5 | 0 39 | 1 8 | 1 34 | 0 10 | 15 15 | 9 10 | 8 39 | 27 14 | 13 43 | 7 23 |
| M14 | 23 31 | 23 1 | 2 59 | 24 44 | 1 13 | 21 45 | 1 45 | 23 5 | 1 10 | 21 25 | 0 33 | 21 50 | 0 5 | 18 4 | 0 39 | 1 8 | 1 34 | 0 10 | 15 15 | 9 8 | 8 38 | 27 13 | 13 44 | 7 23 |
| T 15 | 23 31 | 25 59 | 3 46 | 24 50 | 1 20 | 21 29 | 1 45 | 22 59 | 1 10 | 21 27 | 0 33 | 21 51 | 0 5 | 18 3 | 0 39 | 1 8 | 1 34 | 0 10 | 15 16 | 9 5 | 8 37 | 27 12 | 13 44 | 7 23 |
| W16 | 23 30 | 27 44 | 4 23 | 24 53 | 1 26 | 21 12 | 1 45 | 22 53 | 1 10 | 21 29 | 0 32 | 21 51 | 0 5 | 18 3 | 0 39 | 1 8 | 1 34 | 0 10 | 15 16 | 9 1 | 8 36 | 27 11 | 13 44 | 7 23 |
| T 17 | 23 29 | 28 11 | 4 47 | 24 53 | 1 32 | 20 55 | 1 45 | 22 47 | 1 10 | 21 31 | 0 32 | 21 52 | 0 5 | 18 2 | 0 39 | 1 8 | 1 35 | 0 10 | 15 16 | 8 57 | 8 35 | 27 10 | 13 45 | 7 23 |
| F 18 | 23 27 | 27 20 | 5 0 | 24 51 | 1 37 | 20 38 | 1 45 | 22 41 | 1 10 | 21 33 | 0 32 | 21 53 | 0 5 | 18 1 | 0 39 | 1 8 | 1 35 | 0 10 | 15 16 | 8 52 | 8 33 | 27 9 | 13 45 | 7 24 |
| S 19 | 23 25 | 25 13 | 4 59 | 24 45 | 1 41 | 20 19 | 1 45 | 22 34 | 1 10 | 21 35 | 0 32 | 21 54 | 0 5 | 18 0 | 0 39 | 1 8 | 1 35 | 0 10 | 15 17 | 8 48 | 8 32 | 27 8 | 13 45 | 7 24 |
| S 20 | 23 22 | 22 2 | 4 45 | 24 37 | 1 45 | 20 1 | 1 45 | 22 27 | 1 10 | 21 37 | 0 32 | 21 54 | 0 5 | 17 59 | 0 39 | 1 9 | 1 35 | 0 10 | 15 17 | 8 43 | 8 31 | 27 7 | 13 46 | 7 24 |
| M21 | 23 19 | 17 55 | 4 19 | 24 27 | 1 48 | 19 41 | 1 45 | 22 20 | 1 10 | 21 39 | 0 32 | 21 55 | 0 5 | 17 58 | 0 39 | 1 9 | 1 35 | 0 10 | 15 17 | 8 40 | 8 30 | 27 6 | 13 46 | 7 24 |
| T 22 | 23 16 | 13 5 | 3 41 | 24 14 | 1 50 | 19 21 | 1 44 | 22 13 | 1 10 | 21 41 | 0 32 | 21 56 | 0 5 | 17 57 | 0 39 | 1 9 | 1 35 | 0 10 | 15 17 | 8 37 | 8 29 | 27 5 | 13 47 | 7 24 |
| W23 | 23 12 | 7 41 | 2 52 | 23 59 | 1 51 | 19 1 | 1 44 | 22 6 | 1 10 | 21 43 | 0 32 | 21 57 | 0 5 | 17 56 | 0 39 | 1 9 | 1 35 | 0 10 | 15 17 | 8 36 | 8 27 | 27 4 | 13 47 | 7 25 |
| T 24 | 23 8 | 1 54 | 1 55 | 23 42 | 1 51 | 18 40 | 1 43 | 21 59 | 1 10 | 21 45 | 0 32 | 21 57 | 0 5 | 17 55 | 0 39 | 1 9 | 1 35 | 0 10 | 15 18 | 8 35 | 8 26 | 27 3 | 13 47 | 7 25 |
| F 25 | 23 3 | 4n 6 | 0 51 | 23 22 | 1 51 | 18 19 | 1 42 | 21 51 | 1 10 | 21 46 | 0 32 | 21 58 | 0 6 | 17 54 | 0 39 | 1 9 | 1 35 | 0 10 | 15 18 | 8 35 | 8 25 | 27 2 | 13 48 | 7 25 |
| S 26 | 22 58 | 10 7 | 0n18 | 23 1 | 1 51 | 17 57 | 1 42 | 21 44 | 1 10 | 21 48 | 0 32 | 21 59 | 0 6 | 17 53 | 0 39 | 1 9 | 1 35 | 0 10 | 15 18 | 8 35 | 8 24 | 27 1 | 13 48 | 7 25 |
| S 27 | 22 53 | 15 52 | 1 28 | 22 38 | 1 49 | 17 35 | 1 41 | 21 36 | 1 10 | 21 50 | 0 32 | 22 0 | 0 6 | 17 52 | 0 39 | 1 9 | 1 35 | 0 10 | 15 18 | 8 35 | 8 23 | 27 0 | 13 49 | 7 25 |
| M28 | 22 47 | 21 1 | 2 35 | 22 14 | 1 47 | 17 12 | 1 40 | 21 28 | 1 10 | 21 52 | 0 32 | 22 0 | 0 6 | 17 51 | 0 39 | 1 9 | 1 35 | 0 10 | 15 19 | 8 34 | 8 21 | 26 59 | 13 49 | 7 25 |
| T 29 | 22 41 | 25 6 | 3 34 | 21 48 | 1 45 | 16 49 | 1 39 | 21 20 | 1 10 | 21 53 | 0 32 | 22 1 | 0 6 | 17 51 | 0 39 | 1 9 | 1 35 | 0 10 | 15 19 | 8 32 | 8 20 | 26 58 | 13 50 | 7 25 |
| W30 | 22n34 | 27n37 | 4n21 | 21n20 | 1n42 | 16n25 | 1n38 | 21n12 | 1n10 | 21n55 | 0s32 | 22s 2 | 0s 6 | 17n50 | 0n39 | 1n 9 | 1s35 | 0n10 | 15s19 | 8n29 | 8n19 | 26s57 | 13s50 | 7n25 |

Julian Day Number = 2222332.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'10, Lahiri = 15°06'11 Julian Calendar 1 June 1372 == Greg. Calendar 9 June 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## JULY 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 9 24 | 16♋51'08 | 7♋ 8 | 4♌12 | 21♌ 9 | 1♌26 | 13♊14 | 20°R32 | 12♌15 | 6♈32 | 9♉35 | 21°R32 | 21♈12 | 21♑13 | 25°R19 | T 1 |
| F 2 | 19 13 21 | 17°48'25 | 22°27 | 5°56 | 22°20 | 2° 4 | 13°27 | 20♑28 | 12°19 | 6°R32 | 9°36 | 21♈21 | 21° 9 | 21°19 | 25♑15 | F 2 |
| S 3 | 19 17 17 | 18°45'42 | 7♌44 | 7°39 | 23°31 | 2°42 | 13°39 | 20°24 | 12°22 | 6°32 | 9°37 | 21°11 | 21° 6 | 21°26 | 25°12 | S 3 |
| S 4 | 19 21 14 | 19°42'59 | 22°47 | 9°20 | 24°42 | 3°20 | 13°52 | 20°19 | 12°26 | 6°32 | 9°37 | 21° 2 | 21° 2 | 21°33 | 25° 8 | S 4 |
| M 5 | 19 25 11 | 20°40'16 | 7♍28 | 10°59 | 25°53 | 3°58 | 14° 4 | 20°15 | 12°29 | 6°32 | 9°38 | 20°55 | 20°59 | 21°40 | 25° 5 | M 5 |
| T 6 | 19 29 7 | 21°37'34 | 21°43 | 12°36 | 27° 4 | 4°36 | 14°17 | 20°10 | 12°33 | 6°32 | 9°38 | 20°51 | 20°56 | 21°46 | 25° 2 | T 6 |
| W 7 | 19 33 4 | 22°34'52 | 5♎28 | 14°12 | 28°15 | 5°14 | 14°29 | 20° 6 | 12°36 | 6°32 | 9°39 | 20°49 | 20°53 | 21°53 | 24°58 | W 7 |
| T 8 | 19 37 0 | 23°32'11 | 18°47 | 15°45 | 29°26 | 5°52 | 14°41 | 20° 1 | 12°40 | 6°32 | 9°39 | 20°49 | 20°50 | 22° 0 | 24°55 | T 8 |
| F 9 | 19 40 57 | 24°29'30 | 1♏41 | 17°17 | 0♍37 | 6°30 | 14°54 | 19°57 | 12°43 | 6°31 | 9°40 | 20°49 | 20°47 | 22° 7 | 24°51 | F 9 |
| S 10 | 19 44 53 | 25°26'50 | 14°16 | 18°47 | 1°48 | 7° 8 | 15° 6 | 19°53 | 12°47 | 6°31 | 9°40 | 20°48 | 20°43 | 22°13 | 24°48 | S 10 |
| S 11 | 19 48 50 | 26°24'10 | 26°34 | 20°15 | 2°58 | 7°46 | 15°18 | 19°48 | 12°50 | 6°31 | 9°41 | 20°45 | 20°40 | 22°20 | 24°45 | S 11 |
| M12 | 19 52 46 | 27°21'31 | 8♐42 | 21°41 | 4° 9 | 8°24 | 15°30 | 19°44 | 12°54 | 6°31 | 9°41 | 20°39 | 20°37 | 22°27 | 24°41 | M12 |
| T 13 | 19 56 43 | 28°18'52 | 20°42 | 23° 6 | 5°20 | 9° 2 | 15°42 | 19°39 | 12°58 | 6°30 | 9°41 | 20°31 | 20°34 | 22°33 | 24°38 | T 13 |
| W14 | 20 0 40 | 29°16'15 | 2♑37 | 24°28 | 6°30 | 9°40 | 15°53 | 19°35 | 13° 1 | 6°30 | 9°42 | 20°21 | 20°31 | 22°40 | 24°34 | W14 |
| T 15 | 20 4 36 | 0♌13'37 | 14°30 | 25°48 | 7°40 | 10°18 | 16° 5 | 19°31 | 13° 5 | 6°29 | 9°42 | 20° 8 | 20°28 | 22°47 | 24°31 | T 15 |
| F 16 | 20 8 33 | 1°11'01 | 26°23 | 27° 7 | 8°51 | 10°56 | 16°17 | 19°26 | 13° 9 | 6°29 | 9°43 | 19°55 | 20°24 | 22°54 | 24°28 | F 16 |
| S 17 | 20 12 29 | 2° 8'26 | 8♒17 | 28°23 | 10° 1 | 11°34 | 16°28 | 19°22 | 13°12 | 6°28 | 9°43 | 19°41 | 20°21 | 23° 0 | 24°24 | S 17 |
| S 18 | 20 16 26 | 3° 5'52 | 20°13 | 29°37 | 11°11 | 12°12 | 16°40 | 19°18 | 13°16 | 6°28 | 9°43 | 19°29 | 20°18 | 23° 7 | 24°21 | S 18 |
| M19 | 20 20 22 | 4° 3'18 | 2♓13 | 0♍49 | 12°21 | 12°51 | 16°51 | 19°14 | 13°20 | 6°27 | 9°43 | 19°19 | 20°15 | 23°14 | 24°18 | M19 |
| T 20 | 20 24 19 | 5° 0'46 | 14°19 | 1°59 | 13°31 | 13°29 | 17° 3 | 19° 9 | 13°23 | 6°27 | 9°44 | 19°12 | 20°12 | 23°20 | 24°14 | T 20 |
| W21 | 20 28 15 | 5°58'15 | 26°34 | 3° 6 | 14°41 | 14° 7 | 17°14 | 19° 5 | 13°27 | 6°26 | 9°44 | 19° 7 | 20° 8 | 23°27 | 24°11 | W21 |
| T 22 | 20 32 12 | 6°55'46 | 8♈59 | 4°11 | 15°51 | 14°45 | 17°25 | 19° 1 | 13°31 | 6°26 | 9°44 | 19° 5 | 20° 5 | 23°34 | 24° 8 | T 22 |
| F 23 | 20 36 9 | 7°53'17 | 21°40 | 5°13 | 17° 1 | 15°23 | 17°36 | 18°57 | 13°35 | 6°25 | 9°44 | 19°D 5 | 20° 2 | 23°41 | 24° 4 | F 23 |
| S 24 | 20 40 5 | 8°50'51 | 4♉40 | 6°13 | 18°11 | 16° 1 | 17°47 | 18°53 | 13°38 | 6°24 | 9°45 | 19°R 5 | 19°59 | 23°47 | 24° 1 | S 24 |
| S 25 | 20 44 2 | 9°48'25 | 18° 2 | 7°10 | 19°21 | 16°39 | 17°58 | 18°49 | 13°42 | 6°24 | 9°45 | 19° 5 | 19°56 | 23°54 | 23°58 | S 25 |
| M26 | 20 47 58 | 10°46'02 | 1♊50 | 8° 4 | 20°30 | 17°17 | 18° 9 | 18°45 | 13°46 | 6°23 | 9°45 | 19° 3 | 19°53 | 24° 1 | 23°55 | M26 |
| T 27 | 20 51 55 | 11°43'40 | 16° 5 | 8°55 | 21°40 | 17°55 | 18°20 | 18°41 | 13°49 | 6°22 | 9°45 | 19° 0 | 19°49 | 24° 8 | 23°52 | T 27 |
| W28 | 20 55 51 | 12°41'19 | 0♋44 | 9°43 | 22°49 | 18°33 | 18°31 | 18°37 | 13°53 | 6°21 | 9°45 | 18°53 | 19°46 | 24°14 | 23°48 | W28 |
| T 29 | 20 59 48 | 13°39'00 | 15°43 | 10°28 | 23°59 | 19°12 | 18°41 | 18°33 | 13°57 | 6°20 | 9°45 | 18°45 | 19°43 | 24°21 | 23°45 | T 29 |
| F 30 | 21 3 44 | 14°36'43 | 0♌55 | 11° 9 | 25° 8 | 19°50 | 18°52 | 18°30 | 14° 1 | 6°20 | 9°45 | 18°36 | 19°40 | 24°28 | 23°42 | F 30 |
| S 31 | 21 7 41 | 15♌34'27 | 16♌ 8 | 11♍46 | 26♍17 | 20♌28 | 19♊ 2 | 18♑26 | 14♌ 4 | 6♈19 | 9♉45 | 18♈27 | 19♈37 | 24♑34 | 23♑39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n27 | 28n10 | 4n51 | 20n52 | 1n38 | 16n 1 | 1n37 | 21n 3 | 1n10 | 21n57 | 0s32 | 22s 3 | 0s 6 | 17n49 | 0n39 | 1n 9 | 1s35 | 0n10 | 15s20 | 8n25 | 8n18 | 26s55 | 13s51 | 7n26 |
| F 2 | 22 20 | 26 35 | 5 0 | 20 22 | 1 34 | 15 37 | 1 35 | 20 55 | 1 10 | 21 58 | 0 32 | 22 4 | 0 6 | 17 48 | 0 39 | 1 9 | 1 35 | 0 10 | 15 20 | 8 21 | 8 17 | 26 54 | 13 51 | 7 26 |
| S 3 | 22 12 | 23 2 | 4 48 | 19 51 | 1 29 | 15 12 | 1 34 | 20 46 | 1 10 | 22 0 | 0 32 | 22 4 | 0 6 | 17 47 | 0 39 | 1 9 | 1 35 | 0 10 | 15 20 | 8 17 | 8 16 | 26 53 | 13 52 | 7 26 |
| S 4 | 22 4 | 18 0 | 4 16 | 19 20 | 1 24 | 14 47 | 1 33 | 20 37 | 1 10 | 22 1 | 0 32 | 22 5 | 0 6 | 17 46 | 0 39 | 1 9 | 1 36 | 0 10 | 15 20 | 8 14 | 8 14 | 26 52 | 13 52 | 7 26 |
| M 5 | 21 56 | 12 0 | 3 27 | 18 47 | 1 18 | 14 22 | 1 31 | 20 28 | 1 10 | 22 3 | 0 31 | 22 6 | 0 6 | 17 45 | 0 39 | 1 8 | 1 36 | 0 10 | 15 21 | 8 12 | 8 13 | 26 51 | 13 53 | 7 26 |
| T 6 | 21 47 | 5 33 | 2 27 | 18 14 | 1 12 | 13 56 | 1 29 | 20 19 | 1 10 | 22 4 | 0 31 | 22 7 | 0 6 | 17 44 | 0 39 | 1 8 | 1 36 | 0 10 | 15 21 | 8 10 | 8 12 | 26 50 | 13 53 | 7 26 |
| W 7 | 21 37 | 0s57 | 1 20 | 17 40 | 1 6 | 13 30 | 1 28 | 20 10 | 1 10 | 22 6 | 0 31 | 22 7 | 0 7 | 17 43 | 0 39 | 1 8 | 1 36 | 0 10 | 15 21 | 8 9 | 8 11 | 26 49 | 13 54 | 7 26 |
| T 8 | 21 28 | 7 13 | 0 11 | 17 6 | 0 59 | 13 3 | 1 26 | 20 0 | 1 10 | 22 7 | 0 31 | 22 8 | 0 7 | 17 42 | 0 39 | 1 8 | 1 36 | 0 10 | 15 21 | 8 9 | 8 10 | 26 48 | 13 54 | 7 26 |
| F 9 | 21 18 | 13 0 | 0s57 | 16 31 | 0 51 | 12 36 | 1 24 | 19 51 | 1 10 | 22 9 | 0 31 | 22 9 | 0 7 | 17 41 | 0 39 | 1 8 | 1 36 | 0 9 | 15 22 | 8 9 | 8 8 | 26 47 | 13 55 | 7 26 |
| S 10 | 21 7 | 18 5 | 2 0 | 15 56 | 0 44 | 12 9 | 1 22 | 19 41 | 1 10 | 22 10 | 0 31 | 22 10 | 0 7 | 17 39 | 0 39 | 1 8 | 1 36 | 0 9 | 15 22 | 8 9 | 8 7 | 26 45 | 13 56 | 7 26 |
| S 11 | 20 57 | 22 19 | 2 57 | 15 21 | 0 36 | 11 42 | 1 20 | 19 31 | 1 10 | 22 11 | 0 31 | 22 10 | 0 7 | 17 38 | 0 39 | 1 8 | 1 36 | 0 9 | 15 22 | 8 8 | 8 6 | 26 44 | 13 56 | 7 26 |
| M12 | 20 46 | 25 31 | 3 44 | 14 45 | 0 27 | 11 14 | 1 18 | 19 21 | 1 10 | 22 13 | 0 31 | 22 11 | 0 7 | 17 37 | 0 39 | 1 7 | 1 36 | 0 9 | 15 23 | 8 6 | 8 5 | 26 43 | 13 57 | 7 26 |
| T 13 | 20 34 | 27 32 | 4 21 | 14 10 | 0 19 | 10 46 | 1 16 | 19 11 | 1 10 | 22 14 | 0 31 | 22 12 | 0 7 | 17 36 | 0 39 | 1 7 | 1 36 | 0 9 | 15 23 | 8 3 | 8 4 | 26 42 | 13 57 | 7 26 |
| W14 | 20 22 | 28 16 | 4 46 | 13 34 | 0 10 | 10 18 | 1 13 | 19 1 | 1 10 | 22 15 | 0 31 | 22 12 | 0 7 | 17 35 | 0 39 | 1 7 | 1 36 | 0 9 | 15 23 | 7 59 | 8 2 | 26 41 | 13 58 | 7 26 |
| T 15 | 20 10 | 27 40 | 4 58 | 12 58 | 0 1 | 9 49 | 1 11 | 18 50 | 1 10 | 22 17 | 0 31 | 22 13 | 0 7 | 17 34 | 0 39 | 1 7 | 1 36 | 0 8 | 15 23 | 7 54 | 8 1 | 26 39 | 13 59 | 7 26 |
| F 16 | 19 58 | 25 49 | 4 58 | 12 23 | 0s 9 | 9 20 | 1 9 | 18 40 | 1 10 | 22 18 | 0 31 | 22 14 | 0 7 | 17 33 | 0 39 | 1 7 | 1 36 | 0 8 | 15 24 | 7 49 | 8 0 | 26 38 | 13 59 | 7 26 |
| S 17 | 19 45 | 22 50 | 4 45 | 11 47 | 0 19 | 8 51 | 1 6 | 18 29 | 1 10 | 22 19 | 0 31 | 22 15 | 0 7 | 17 32 | 0 39 | 1 6 | 1 36 | 0 8 | 15 24 | 7 44 | 7 59 | 26 37 | 14 0 | 7 25 |
| S 18 | 19 32 | 18 53 | 4 19 | 11 12 | 0 28 | 8 22 | 1 3 | 18 18 | 1 10 | 22 20 | 0 31 | 22 15 | 0 8 | 17 31 | 0 39 | 1 6 | 1 36 | 0 8 | 15 24 | 7 39 | 7 58 | 26 36 | 14 1 | 7 25 |
| M19 | 19 19 | 14 9 | 3 41 | 10 37 | 0 39 | 7 53 | 1 1 | 18 8 | 1 9 | 22 22 | 0 31 | 22 16 | 0 8 | 17 30 | 0 39 | 1 6 | 1 36 | 0 8 | 15 25 | 7 35 | 7 56 | 26 35 | 14 1 | 7 25 |
| T 20 | 19 5 | 8 51 | 2 53 | 10 3 | 0 49 | 7 23 | 0 58 | 17 57 | 1 9 | 22 23 | 0 31 | 22 17 | 0 8 | 17 29 | 0 39 | 1 6 | 1 36 | 0 8 | 15 25 | 7 33 | 7 55 | 26 33 | 14 2 | 7 25 |
| W21 | 18 51 | 3 9 | 1 56 | 9 29 | 0 59 | 6 54 | 0 55 | 17 45 | 1 9 | 22 24 | 0 31 | 22 17 | 0 8 | 17 28 | 0 39 | 1 5 | 1 36 | 0 7 | 15 25 | 7 31 | 7 54 | 26 32 | 14 3 | 7 25 |
| T 22 | 18 36 | 2n46 | 0 53 | 8 55 | 1 10 | 6 24 | 0 52 | 17 34 | 1 9 | 22 25 | 0 31 | 22 18 | 0 8 | 17 27 | 0 39 | 1 5 | 1 37 | 0 7 | 15 25 | 7 30 | 7 53 | 26 31 | 14 3 | 7 25 |
| F 23 | 18 22 | 8 41 | 0n14 | 8 22 | 1 21 | 5 54 | 0 49 | 17 23 | 1 9 | 22 26 | 0 31 | 22 19 | 0 8 | 17 26 | 0 39 | 1 5 | 1 37 | 0 7 | 15 26 | 7 30 | 7 52 | 26 30 | 14 4 | 7 25 |
| S 24 | 18 7 | 14 24 | 1 22 | 7 50 | 1 32 | 5 24 | 0 46 | 17 11 | 1 9 | 22 27 | 0 31 | 22 19 | 0 8 | 17 25 | 0 39 | 1 4 | 1 37 | 0 7 | 15 26 | 7 30 | 7 50 | 26 28 | 14 5 | 7 25 |
| S 25 | 17 51 | 19 37 | 2 27 | 7 19 | 1 43 | 4 53 | 0 43 | 17 0 | 1 9 | 22 28 | 0 31 | 22 20 | 0 8 | 17 24 | 0 39 | 1 4 | 1 37 | 0 6 | 15 26 | 7 30 | 7 49 | 26 27 | 14 5 | 7 24 |
| M26 | 17 36 | 23 58 | 3 26 | 6 49 | 1 54 | 4 23 | 0 40 | 16 48 | 1 9 | 22 29 | 0 31 | 22 20 | 0 8 | 17 23 | 0 39 | 1 4 | 1 37 | 0 6 | 15 27 | 7 29 | 7 48 | 26 26 | 14 6 | 7 24 |
| T 27 | 17 20 | 27 1 | 4 15 | 6 19 | 2 5 | 3 52 | 0 36 | 16 36 | 1 9 | 22 30 | 0 31 | 22 21 | 0 8 | 17 22 | 0 39 | 1 3 | 1 37 | 0 6 | 15 27 | 7 28 | 7 47 | 26 25 | 14 7 | 7 24 |
| W28 | 17 4 | 28 19 | 4 48 | 5 51 | 2 16 | 3 22 | 0 33 | 16 24 | 1 9 | 22 31 | 0 31 | 22 22 | 0 8 | 17 20 | 0 39 | 1 3 | 1 37 | 0 6 | 15 27 | 7 25 | 7 46 | 26 23 | 14 7 | 7 24 |
| T 29 | 16 47 | 27 36 | 5 3 | 5 24 | 2 27 | 2 51 | 0 29 | 16 12 | 1 9 | 22 32 | 0 31 | 22 22 | 0 8 | 17 19 | 0 39 | 1 3 | 1 37 | 0 5 | 15 28 | 7 22 | 7 44 | 26 22 | 14 8 | 7 24 |
| F 30 | 16 30 | 24 50 | 4 56 | 4 59 | 2 38 | 2 20 | 0 26 | 16 0 | 1 9 | 22 33 | 0 31 | 22 23 | 0 9 | 17 18 | 0 39 | 1 2 | 1 37 | 0 5 | 15 28 | 7 19 | 7 43 | 26 21 | 14 9 | 7 24 |
| S 31 | 16n13 | 20n19 | 4n29 | 4n35 | 2s49 | 1n49 | 0n22 | 15n48 | 1n 9 | 22n34 | 0s31 | 22s24 | 0s 9 | 17n17 | 0n39 | 1n 2 | 1s37 | 0n 5 | 15s28 | 7n15 | 7n42 | 26s19 | 14s10 | 7n23 |

Julian Day Number = 2222362.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'15, Lahiri = 15°06'15 Julian Calendar 1 July 1372 == Greg. Calendar 9 July 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## AUGUST 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 11 38 | 16♌32'12 | 1♍13 | 12♍19 | 27♍26 | 21♌ 6 | 19♊12 | 18°R22 | 14♌ 8 | 6°R18 | 9°R45 | 18°R19 | 19♈34 | 24♑41 | 23°R36 | S 1 |
| M 2 | 21 15 34 | 17°29'58 | 15°58 | 12°48 | 28°35 | 21°44 | 19°23 | 18♑19 | 14°12 | 6♈17 | 9♉45 | 18♈13 | 19°30 | 24°48 | 23♑33 | M 2 |
| T 3 | 21 19 31 | 18°27'46 | 0♎19 | 13°12 | 29°44 | 22°22 | 19°33 | 18°15 | 14°16 | 6°16 | 9°45 | 18° 9 | 19°27 | 24°55 | 23°30 | T 3 |
| W 4 | 21 23 27 | 19°25'34 | 14°12 | 13°32 | 0♎53 | 23° 0 | 19°43 | 18°12 | 14°19 | 6°15 | 9°45 | 18°D 8 | 19°24 | 25° 1 | 23°27 | W 4 |
| T 5 | 21 27 24 | 20°23'25 | 27°36 | 13°47 | 2° 2 | 23°39 | 19°52 | 18° 8 | 14°23 | 6°14 | 9°45 | 18° 8 | 19°21 | 25° 8 | 23°24 | T 5 |
| F 6 | 21 31 20 | 21°21'16 | 10♏34 | 13°56 | 3°10 | 24°17 | 20° 2 | 18° 5 | 14°27 | 6°13 | 9°45 | 18° 9 | 19°18 | 25°15 | 23°22 | F 6 |
| S 7 | 21 35 17 | 22°19'08 | 23°10 | 14°R 0 | 4°19 | 24°55 | 20°12 | 18° 2 | 14°31 | 6°12 | 9°45 | 18°R 9 | 19°14 | 25°22 | 23°19 | S 7 |
| S 8 | 21 39 13 | 23°17'02 | 5♐29 | 13°59 | 5°27 | 25°33 | 20°21 | 17°58 | 14°34 | 6°11 | 9°45 | 18° 8 | 19°11 | 25°28 | 23°16 | S 8 |
| M 9 | 21 43 10 | 24°14'58 | 17°35 | 13°52 | 6°36 | 26°11 | 20°31 | 17°55 | 14°38 | 6° 9 | 9°45 | 18° 6 | 19° 8 | 25°35 | 23°13 | M 9 |
| T 10 | 21 47 7 | 25°12'54 | 29°32 | 13°38 | 7°44 | 26°50 | 20°40 | 17°52 | 14°42 | 6° 8 | 9°44 | 18° 1 | 19° 5 | 25°42 | 23°11 | T 10 |
| W11 | 21 51 3 | 26°10'52 | 11♑25 | 13°19 | 8°52 | 27°28 | 20°49 | 17°49 | 14°45 | 6° 7 | 9°44 | 17°54 | 19° 2 | 25°48 | 23° 8 | W11 |
| T 12 | 21 55 0 | 27° 8'51 | 23°17 | 12°54 | 10° 0 | 28° 6 | 20°58 | 17°46 | 14°49 | 6° 6 | 9°44 | 17°45 | 18°59 | 25°55 | 23° 5 | T 12 |
| F 13 | 21 58 56 | 28° 6'52 | 5♒11 | 12°22 | 11° 8 | 28°44 | 21° 7 | 17°43 | 14°53 | 6° 5 | 9°44 | 17°36 | 18°55 | 26° 2 | 23° 3 | F 13 |
| S 14 | 22 2 53 | 29° 4'55 | 17° 9 | 11°45 | 12°15 | 29°23 | 21°16 | 17°41 | 14°56 | 6° 3 | 9°43 | 17°26 | 18°52 | 26° 9 | 23° 0 | S 14 |
| S 15 | 22 6 49 | 0♍ 2'59 | 29°12 | 11° 2 | 13°23 | 0♍ 1 | 21°25 | 17°38 | 15° 0 | 6° 2 | 9°43 | 17°18 | 18°49 | 26°15 | 22°58 | S 15 |
| M16 | 22 10 46 | 1° 1'04 | 11♓21 | 10°15 | 14°30 | 0°39 | 21°33 | 17°35 | 15° 4 | 6° 1 | 9°43 | 17°11 | 18°46 | 26°22 | 22°56 | M16 |
| T 17 | 22 14 42 | 1°59'12 | 23°39 | 9°23 | 15°38 | 1°17 | 21°42 | 17°33 | 15° 7 | 6° 0 | 9°43 | 17° 6 | 18°43 | 26°29 | 22°53 | T 17 |
| W18 | 22 18 39 | 2°57'21 | 6♈ 6 | 8°27 | 16°45 | 1°56 | 21°50 | 17°30 | 15°11 | 5°58 | 9°42 | 17° 4 | 18°40 | 26°35 | 22°51 | W18 |
| T 19 | 22 22 36 | 3°55'32 | 18°43 | 7°29 | 17°52 | 2°34 | 21°58 | 17°28 | 15°14 | 5°57 | 9°42 | 17°D 3 | 18°36 | 26°42 | 22°49 | T 19 |
| F 20 | 22 26 32 | 4°53'45 | 1♉34 | 6°30 | 18°59 | 3°12 | 22° 6 | 17°26 | 15°18 | 5°56 | 9°41 | 17° 4 | 18°33 | 26°49 | 22°46 | F 20 |
| S 21 | 22 30 29 | 5°52'00 | 14°41 | 5°31 | 20° 6 | 3°51 | 22°14 | 17°23 | 15°22 | 5°54 | 9°41 | 17° 6 | 18°30 | 26°56 | 22°44 | S 21 |
| S 22 | 22 34 25 | 6°50'18 | 28° 5 | 4°33 | 21°12 | 4°29 | 22°22 | 17°21 | 15°25 | 5°53 | 9°41 | 17° 7 | 18°27 | 27° 2 | 22°42 | S 22 |
| M23 | 22 38 22 | 7°48'37 | 11♊49 | 3°38 | 22°19 | 5° 7 | 22°29 | 17°19 | 15°29 | 5°51 | 9°40 | 17°R 7 | 18°24 | 27° 9 | 22°40 | M23 |
| T 24 | 22 42 18 | 8°46'59 | 25°53 | 2°46 | 23°25 | 5°46 | 22°37 | 17°17 | 15°32 | 5°50 | 9°40 | 17° 6 | 18°20 | 27°16 | 22°38 | T 24 |
| W25 | 22 46 15 | 9°45'23 | 10♋17 | 2° 0 | 24°31 | 6°24 | 22°44 | 17°15 | 15°36 | 5°48 | 9°39 | 17° 3 | 18°17 | 27°23 | 22°36 | W25 |
| T 26 | 22 50 11 | 10°43'49 | 24°57 | 1°20 | 25°37 | 7° 2 | 22°52 | 17°14 | 15°39 | 5°47 | 9°39 | 16°59 | 18°14 | 27°29 | 22°35 | T 26 |
| F 27 | 22 54 8 | 11°42'17 | 9♌48 | 0°48 | 26°43 | 7°41 | 22°59 | 17°12 | 15°43 | 5°46 | 9°38 | 16°54 | 18°11 | 27°36 | 22°33 | F 27 |
| S 28 | 22 58 5 | 12°40'47 | 24°42 | 0°23 | 27°49 | 8°19 | 23° 5 | 17°10 | 15°46 | 5°44 | 9°38 | 16°48 | 18° 8 | 27°43 | 22°31 | S 28 |
| S 29 | 23 2 1 | 13°39'19 | 9♍32 | 0° 8 | 28°54 | 8°58 | 23°12 | 17° 9 | 15°49 | 5°43 | 9°37 | 16°44 | 18° 5 | 27°49 | 22°29 | S 29 |
| M30 | 23 5 58 | 14°37'53 | 24° 8 | 0°D 1 | 29°59 | 9°36 | 23°19 | 17° 7 | 15°53 | 5°41 | 9°37 | 16°41 | 18° 1 | 27°56 | 22°28 | M30 |
| T 31 | 23 9 54 | 15♍36'29 | 8♎25 | 0♍ 5 | 1♏ 5 | 10♍15 | 23♊25 | 17♑ 6 | 15♌56 | 5♈39 | 9♉36 | 16♈39 | 17♈58 | 28♑ 3 | 22♑26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n56 | 14n33 | 3n43 | 4n12 | 2s59 | 1n18 | 0n19 | 15n36 | 1n 8 | 22n35 | 0s30 | 22s24 | 0s 9 | 17n16 | 0n39 | 1n 1 | 1s37 | 0n 5 | 15s28 | 7n12 | 7n41 | 26s18 | 14s10 | 7n23 |
| M 2 | 15 39 | 8 3 | 2 43 | 3 51 | 3 10 | 0 48 | 0 15 | 15 23 | 1 8 | 22 35 | 0 30 | 22 25 | 0 9 | 17 15 | 0 39 | 1 1 | 1 37 | 0 4 | 15 29 | 7 10 | 7 40 | 26 17 | 14 11 | 7 23 |
| T 3 | 15 21 | 1 18 | 1 34 | 3 33 | 3 20 | 0 17 | 0 11 | 15 11 | 1 8 | 22 36 | 0 30 | 22 25 | 0 9 | 17 14 | 0 39 | 1 1 | 1 37 | 0 4 | 15 29 | 7 9 | 7 38 | 26 15 | 14 12 | 7 23 |
| W 4 | 15 3 | 5s18 | 0 21 | 3 16 | 3 30 | 0s14 | 0 7 | 14 58 | 1 8 | 22 37 | 0 30 | 22 26 | 0 9 | 17 13 | 0 39 | 1 0 | 1 37 | 0 4 | 15 29 | 7 8 | 7 37 | 26 14 | 14 13 | 7 22 |
| T 5 | 14 44 | 11 26 | 0s50 | 3 2 | 3 39 | 0 45 | 0 3 | 14 45 | 1 8 | 22 38 | 0 30 | 22 26 | 0 9 | 17 12 | 0 39 | 1 0 | 1 37 | 0 3 | 15 30 | 7 8 | 7 36 | 26 13 | 14 13 | 7 22 |
| F 6 | 14 26 | 16 54 | 1 57 | 2 50 | 3 48 | 1 17 | 0s 1 | 14 32 | 1 8 | 22 39 | 0 30 | 22 27 | 0 9 | 17 11 | 0 39 | 0 59 | 1 37 | 0 3 | 15 30 | 7 8 | 7 35 | 26 11 | 14 14 | 7 22 |
| S 7 | 14 7 | 21 28 | 2 56 | 2 40 | 3 57 | 1 48 | 0 5 | 14 20 | 1 8 | 22 39 | 0 30 | 22 27 | 0 9 | 17 10 | 0 39 | 0 59 | 1 37 | 0 3 | 15 30 | 7 9 | 7 33 | 26 10 | 14 15 | 7 22 |
| S 8 | 13 48 | 24 59 | 3 46 | 2 34 | 4 4 | 2 18 | 0 9 | 14 7 | 1 8 | 22 40 | 0 30 | 22 28 | 0 9 | 17 9 | 0 39 | 0 58 | 1 37 | 0 3 | 15 30 | 7 8 | 7 32 | 26 9 | 14 15 | 7 21 |
| M 9 | 13 29 | 27 19 | 4 24 | 2 30 | 4 11 | 2 49 | 0 13 | 13 53 | 1 8 | 22 41 | 0 30 | 22 28 | 0 9 | 17 7 | 0 39 | 0 58 | 1 37 | 0 2 | 15 31 | 7 7 | 7 31 | 26 7 | 14 16 | 7 21 |
| T 10 | 13 10 | 28 22 | 4 50 | 2 30 | 4 17 | 3 20 | 0 17 | 13 40 | 1 7 | 22 41 | 0 30 | 22 29 | 0 9 | 17 6 | 0 39 | 0 57 | 1 37 | 0 2 | 15 31 | 7 5 | 7 30 | 26 6 | 14 17 | 7 21 |
| W11 | 12 50 | 28 5 | 5 4 | 2 33 | 4 22 | 3 51 | 0 21 | 13 27 | 1 7 | 22 42 | 0 30 | 22 29 | 0 9 | 17 5 | 0 39 | 0 57 | 1 38 | 0 2 | 15 31 | 7 3 | 7 29 | 26 4 | 14 18 | 7 20 |
| T 12 | 12 30 | 26 30 | 5 4 | 2 40 | 4 25 | 4 22 | 0 26 | 13 14 | 1 7 | 22 43 | 0 30 | 22 30 | 0 10 | 17 4 | 0 39 | 0 56 | 1 38 | 0 1 | 15 32 | 6 59 | 7 27 | 26 3 | 14 18 | 7 20 |
| F 13 | 12 10 | 23 45 | 4 52 | 2 50 | 4 27 | 4 53 | 0 30 | 13 0 | 1 7 | 22 43 | 0 30 | 22 30 | 0 10 | 17 3 | 0 39 | 0 56 | 1 38 | 0 1 | 15 32 | 6 56 | 7 26 | 26 2 | 14 19 | 7 20 |
| S 14 | 11 50 | 19 58 | 4 26 | 3 3 | 4 28 | 5 23 | 0 34 | 12 47 | 1 7 | 22 44 | 0 30 | 22 31 | 0 10 | 17 2 | 0 39 | 0 55 | 1 38 | 0 1 | 15 32 | 6 52 | 7 25 | 26 0 | 14 20 | 7 19 |
| S 15 | 11 30 | 15 22 | 3 49 | 3 20 | 4 27 | 5 54 | 0 39 | 12 33 | 1 7 | 22 45 | 0 30 | 22 31 | 0 10 | 17 1 | 0 39 | 0 55 | 1 38 | 0 0 | 15 32 | 6 49 | 7 24 | 25 59 | 14 21 | 7 19 |
| M16 | 11 9 | 10 7 | 3 0 | 3 41 | 4 24 | 6 24 | 0 43 | 12 19 | 1 7 | 22 45 | 0 30 | 22 32 | 0 10 | 17 0 | 0 39 | 0 54 | 1 38 | 0s 0 | 15 33 | 6 46 | 7 23 | 25 57 | 14 21 | 7 19 |
| T 17 | 10 48 | 4 25 | 2 3 | 4 5 | 4 19 | 6 54 | 0 48 | 12 5 | 1 7 | 22 46 | 0 30 | 22 32 | 0 10 | 16 59 | 0 39 | 0 54 | 1 38 | 0 0 | 15 33 | 6 45 | 7 21 | 25 56 | 14 22 | 7 18 |
| W18 | 10 27 | 1n32 | 0 59 | 4 32 | 4 12 | 7 24 | 0 52 | 11 52 | 1 6 | 22 46 | 0 30 | 22 32 | 0 10 | 16 58 | 0 39 | 0 53 | 1 38 | 0 1 | 15 33 | 6 44 | 7 20 | 25 55 | 14 23 | 7 18 |
| T 19 | 10 6 | 7 30 | 0n 9 | 5 1 | 4 4 | 7 54 | 0 57 | 11 38 | 1 6 | 22 47 | 0 30 | 22 33 | 0 10 | 16 57 | 0 39 | 0 52 | 1 38 | 0 1 | 15 34 | 6 43 | 7 19 | 25 53 | 14 23 | 7 18 |
| F 20 | 9 45 | 13 17 | 1 18 | 5 33 | 3 53 | 8 24 | 1 1 | 11 24 | 1 6 | 22 47 | 0 30 | 22 33 | 0 10 | 16 56 | 0 39 | 0 52 | 1 38 | 0 2 | 15 34 | 6 44 | 7 18 | 25 52 | 14 24 | 7 17 |
| S 21 | 9 24 | 18 36 | 2 24 | 6 6 | 3 41 | 8 54 | 1 6 | 11 9 | 1 6 | 22 48 | 0 30 | 22 33 | 0 10 | 16 55 | 0 39 | 0 51 | 1 38 | 0 2 | 15 34 | 6 44 | 7 17 | 25 50 | 14 25 | 7 17 |
| S 22 | 9 2 | 23 7 | 3 24 | 6 40 | 3 27 | 9 24 | 1 11 | 10 55 | 1 6 | 22 48 | 0 30 | 22 34 | 0 10 | 16 54 | 0 39 | 0 51 | 1 38 | 0 2 | 15 34 | 6 45 | 7 15 | 25 49 | 14 26 | 7 16 |
| M23 | 8 40 | 26 28 | 4 14 | 7 15 | 3 11 | 9 53 | 1 15 | 10 41 | 1 6 | 22 49 | 0 30 | 22 34 | 0 10 | 16 53 | 0 39 | 0 50 | 1 38 | 0 3 | 15 35 | 6 45 | 7 14 | 25 47 | 14 26 | 7 16 |
| T 24 | 8 18 | 28 17 | 4 50 | 7 49 | 2 54 | 10 22 | 1 20 | 10 27 | 1 5 | 22 49 | 0 30 | 22 34 | 0 10 | 16 52 | 0 39 | 0 50 | 1 38 | 0 3 | 15 35 | 6 44 | 7 13 | 25 46 | 14 27 | 7 16 |
| W25 | 7 56 | 28 15 | 5 8 | 8 22 | 2 36 | 10 51 | 1 25 | 10 12 | 1 5 | 22 50 | 0 30 | 22 35 | 0 10 | 16 51 | 0 39 | 0 49 | 1 38 | 0 3 | 15 35 | 6 43 | 7 12 | 25 44 | 14 28 | 7 15 |
| T 26 | 7 34 | 26 15 | 5 8 | 8 54 | 2 17 | 11 20 | 1 30 | 9 58 | 1 5 | 22 50 | 0 30 | 22 35 | 0 11 | 16 50 | 0 39 | 0 48 | 1 38 | 0 4 | 15 35 | 6 42 | 7 10 | 25 43 | 14 28 | 7 15 |
| F 27 | 7 12 | 22 27 | 4 46 | 9 24 | 1 58 | 11 48 | 1 34 | 9 43 | 1 5 | 22 50 | 0 30 | 22 35 | 0 11 | 16 49 | 0 39 | 0 48 | 1 38 | 0 4 | 15 36 | 6 40 | 7 9 | 25 41 | 14 29 | 7 14 |
| S 28 | 6 49 | 17 11 | 4 6 | 9 51 | 1 38 | 12 16 | 1 39 | 9 29 | 1 5 | 22 51 | 0 30 | 22 36 | 0 11 | 16 48 | 0 39 | 0 47 | 1 38 | 0 5 | 15 36 | 6 38 | 7 8 | 25 40 | 14 30 | 7 14 |
| S 29 | 6 27 | 10 56 | 3 9 | 10 14 | 1 19 | 12 44 | 1 44 | 9 14 | 1 5 | 22 51 | 0 30 | 22 36 | 0 11 | 16 47 | 0 39 | 0 46 | 1 38 | 0 5 | 15 36 | 6 36 | 7 7 | 25 38 | 14 30 | 7 14 |
| M30 | 6 4 | 4 10 | 2 0 | 10 35 | 0 59 | 13 12 | 1 49 | 8 59 | 1 4 | 22 51 | 0 30 | 22 36 | 0 11 | 16 46 | 0 39 | 0 46 | 1 38 | 0 5 | 15 36 | 6 35 | 7 6 | 25 37 | 14 31 | 7 13 |
| T 31 | 5n42 | 2s40 | 0n45 | 10n51 | 0s41 | 13s40 | 1s54 | 8n45 | 1n 4 | 22n52 | 0s30 | 22s36 | 0s11 | 16n45 | 0n40 | 0n45 | 1s38 | 0s 6 | 15s37 | 6n34 | 7n 4 | 25s35 | 14s32 | 7n13 |

Julian Day Number = 2222393.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'19, Lahiri = 15°06'19 Julian Calendar 1 Aug. 1372 == Greg. Calendar 9 Aug. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## SEPTEMBER 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 13 51 | 16♍35'07 | 22♎18 | 0♍18 | 2♏10 | 10♍53 | 23♊32 | 17°R 5 | 16♌ 0 | 5°R38 | 9°R35 | 16°D39 | 17♈55 | 28♑10 | 22°R25 | W 1 |
| T 2 | 23 17 47 | 17°33'46 | 5♏45 | 0°40 | 3°14 | 11°32 | 23°38 | 17♑ 4 | 16° 3 | 5♈36 | 9♉35 | 16♈40 | 17°52 | 28°16 | 22♑23 | T 2 |
| F 3 | 23 21 44 | 18°32'28 | 18°48 | 1°12 | 4°19 | 12°10 | 23°44 | 17° 3 | 16° 6 | 5°35 | 9°34 | 16°42 | 17°49 | 28°23 | 22°22 | F 3 |
| S 4 | 23 25 40 | 19°31'11 | 1♐28 | 1°52 | 5°23 | 12°49 | 23°50 | 17° 2 | 16° 9 | 5°33 | 9°34 | 16°43 | 17°46 | 28°30 | 22°21 | S 4 |
| S 5 | 23 29 37 | 20°29'56 | 13°50 | 2°41 | 6°28 | 13°27 | 23°55 | 17° 1 | 16°13 | 5°32 | 9°33 | 16°44 | 17°42 | 28°36 | 22°20 | S 5 |
| M 6 | 23 33 34 | 21°28'42 | 25°57 | 3°38 | 7°31 | 14° 6 | 24° 1 | 17° 0 | 16°16 | 5°30 | 9°32 | 16°R44 | 17°39 | 28°43 | 22°19 | M 6 |
| T 7 | 23 37 30 | 22°27'31 | 7♑55 | 4°42 | 8°35 | 14°44 | 24° 6 | 17° 0 | 16°19 | 5°28 | 9°32 | 16°43 | 17°36 | 28°50 | 22°17 | T 7 |
| W 8 | 23 41 27 | 23°26'21 | 19°49 | 5°53 | 9°38 | 15°23 | 24°11 | 16°59 | 16°22 | 5°27 | 9°31 | 16°41 | 17°33 | 28°57 | 22°16 | W 8 |
| T 9 | 23 45 23 | 24°25'13 | 1♒41 | 7°10 | 10°42 | 16° 2 | 24°16 | 16°59 | 16°25 | 5°25 | 9°30 | 16°38 | 17°30 | 29° 3 | 22°16 | T 9 |
| F 10 | 23 49 20 | 25°24'07 | 13°37 | 8°32 | 11°45 | 16°40 | 24°21 | 16°58 | 16°29 | 5°23 | 9°29 | 16°35 | 17°26 | 29°10 | 22°15 | F 10 |
| S 11 | 23 53 16 | 26°23'02 | 25°39 | 9°59 | 12°47 | 17°19 | 24°26 | 16°58 | 16°32 | 5°22 | 9°29 | 16°32 | 17°23 | 29°17 | 22°14 | S 11 |
| S 12 | 23 57 13 | 27°22'00 | 7♓50 | 11°30 | 13°50 | 17°57 | 24°30 | 16°58 | 16°35 | 5°20 | 9°28 | 16°29 | 17°20 | 29°24 | 22°13 | S 12 |
| M13 | 0 1 9 | 28°20'59 | 20°11 | 13° 4 | 14°52 | 18°36 | 24°34 | 16°D58 | 16°38 | 5°19 | 9°27 | 16°26 | 17°17 | 29°30 | 22°12 | M13 |
| T 14 | 0 5 6 | 29°20'00 | 2♈44 | 14°42 | 15°53 | 19°15 | 24°38 | 16°58 | 16°41 | 5°17 | 9°26 | 16°25 | 17°14 | 29°37 | 22°12 | T 14 |
| W15 | 0 9 2 | 0♎19'04 | 15°29 | 16°21 | 16°55 | 19°53 | 24°42 | 16°58 | 16°44 | 5°15 | 9°25 | 16°D24 | 17°11 | 29°44 | 22°11 | W15 |
| T 16 | 0 12 59 | 1°18'09 | 28°27 | 18° 2 | 17°56 | 20°32 | 24°46 | 16°58 | 16°47 | 5°14 | 9°24 | 16°25 | 17° 7 | 29°50 | 22°11 | T 16 |
| F 17 | 0 16 56 | 2°17'17 | 11♉38 | 19°45 | 18°57 | 21°11 | 24°50 | 16°59 | 16°50 | 5°12 | 9°24 | 16°25 | 17° 4 | 29°57 | 22°11 | F 17 |
| S 18 | 0 20 52 | 3°16'27 | 25° 2 | 21°29 | 19°57 | 21°50 | 24°53 | 16°59 | 16°52 | 5°10 | 9°23 | 16°27 | 17° 1 | 0♒ 4 | 22°10 | S 18 |
| S 19 | 0 24 49 | 4°15'40 | 8♊39 | 23°14 | 20°58 | 22°28 | 24°56 | 17° 0 | 16°55 | 5° 9 | 9°22 | 16°28 | 16°58 | 0°11 | 22°10 | S 19 |
| M20 | 0 28 45 | 5°14'55 | 22°29 | 25° 0 | 21°57 | 23° 7 | 24°59 | 17° 1 | 16°58 | 5° 7 | 9°21 | 16°28 | 16°55 | 0°17 | 22°10 | M20 |
| T 21 | 0 32 42 | 6°14'12 | 6♋30 | 26°45 | 22°57 | 23°46 | 25° 2 | 17° 1 | 17° 1 | 5° 5 | 9°20 | 16°R29 | 16°51 | 0°24 | 22°10 | T 21 |
| W22 | 0 36 38 | 7°13'32 | 20°43 | 28°31 | 23°56 | 24°25 | 25° 5 | 17° 2 | 17° 4 | 5° 4 | 9°19 | 16°28 | 16°48 | 0°31 | 22°D10 | W22 |
| T 23 | 0 40 35 | 8°12'54 | 5♌ 4 | 0♎17 | 24°55 | 25° 3 | 25° 7 | 17° 3 | 17° 6 | 5° 2 | 9°18 | 16°28 | 16°45 | 0°37 | 22°10 | T 23 |
| F 24 | 0 44 31 | 9°12'18 | 19°30 | 2° 3 | 25°53 | 25°42 | 25°10 | 17° 4 | 17° 9 | 5° 0 | 9°17 | 16°27 | 16°42 | 0°44 | 22°10 | F 24 |
| S 25 | 0 48 28 | 10°11'45 | 3♍57 | 3°48 | 26°51 | 26°21 | 25°12 | 17° 5 | 17°11 | 4°59 | 9°16 | 16°26 | 16°39 | 0°51 | 22°10 | S 25 |
| S 26 | 0 52 25 | 11°11'14 | 18°20 | 5°33 | 27°48 | 27° 0 | 25°14 | 17° 7 | 17°14 | 4°57 | 9°15 | 16°26 | 16°36 | 0°58 | 22°10 | S 26 |
| M27 | 0 56 21 | 12°10'45 | 2♎34 | 7°18 | 28°45 | 27°39 | 25°15 | 17° 8 | 17°17 | 4°55 | 9°14 | 16°25 | 16°32 | 1° 4 | 22°11 | M27 |
| T 28 | 1 0 18 | 13°10'18 | 16°34 | 9° 2 | 29°42 | 28°18 | 25°17 | 17° 9 | 17°19 | 4°54 | 9°13 | 16°D25 | 16°29 | 1°11 | 22°11 | T 28 |
| W29 | 1 4 14 | 14° 9'53 | 0♏16 | 10°45 | 0♐38 | 28°57 | 25°18 | 17°11 | 17°21 | 4°52 | 9°12 | 16°25 | 16°26 | 1°18 | 22°12 | W29 |
| T 30 | 1 8 11 | 15♎ 9'30 | 13♏38 | 12♎28 | 1♐34 | 29♍36 | 25♊19 | 17♑13 | 17♌24 | 4♈50 | 9♉11 | 16♈25 | 16♈23 | 1♒24 | 22♑12 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n19 | 9s11 | 0s31 | 11n 3 | 0s23 | 14s 7 | 1s58 | 8n30 | 1n 4 | 22n52 | 0s30 | 22s37 | 0s11 | 16n44 | 0n40 | 0n45 | 1s38 | 0s 6 | 15s37 | 6n34 | 7n 3 | 25s34 | 14s32 | 7n12 |
| T 2 | 4 56 | 15 6 | 1 43 | 11 12 | 0 5 | 14 34 | 2 3 | 8 15 | 1 4 | 22 52 | 0 30 | 22 37 | 0 11 | 16 43 | 0 40 | 0 44 | 1 38 | 0 7 | 15 37 | 6 34 | 7 2 | 25 32 | 14 33 | 7 12 |
| F 3 | 4 33 | 20 9 | 2 47 | 11 15 | 0n11 | 15 1 | 2 8 | 8 0 | 1 4 | 22 53 | 0 30 | 22 37 | 0 11 | 16 42 | 0 40 | 0 43 | 1 38 | 0 7 | 15 37 | 6 35 | 7 1 | 25 30 | 14 34 | 7 11 |
| S 4 | 4 10 | 24 8 | 3 41 | 11 15 | 0 26 | 15 27 | 2 13 | 7 45 | 1 4 | 22 53 | 0 30 | 22 37 | 0 11 | 16 41 | 0 40 | 0 43 | 1 38 | 0 8 | 15 38 | 6 36 | 7 0 | 25 29 | 14 34 | 7 11 |
| S 5 | 3 47 | 26 54 | 4 24 | 11 10 | 0 40 | 15 53 | 2 18 | 7 30 | 1 3 | 22 53 | 0 30 | 22 37 | 0 11 | 16 40 | 0 40 | 0 42 | 1 38 | 0 8 | 15 38 | 6 36 | 6 58 | 25 27 | 14 35 | 7 10 |
| M 6 | 3 23 | 28 21 | 4 54 | 11 2 | 0 53 | 16 19 | 2 22 | 7 15 | 1 3 | 22 54 | 0 30 | 22 37 | 0 11 | 16 39 | 0 40 | 0 41 | 1 38 | 0 8 | 15 38 | 6 36 | 6 57 | 25 26 | 14 36 | 7 10 |
| T 7 | 3 0 | 28 27 | 5 10 | 10 49 | 1 4 | 16 44 | 2 27 | 7 0 | 1 3 | 22 54 | 0 30 | 22 38 | 0 11 | 16 38 | 0 40 | 0 41 | 1 38 | 0 9 | 15 38 | 6 36 | 6 56 | 25 24 | 14 36 | 7 10 |
| W 8 | 2 37 | 27 13 | 5 13 | 10 32 | 1 14 | 17 9 | 2 32 | 6 45 | 1 3 | 22 54 | 0 30 | 22 38 | 0 11 | 16 37 | 0 40 | 0 40 | 1 38 | 0 9 | 15 38 | 6 35 | 6 55 | 25 22 | 14 37 | 7 9 |
| T 9 | 2 13 | 24 47 | 5 3 | 10 12 | 1 23 | 17 34 | 2 37 | 6 30 | 1 3 | 22 54 | 0 30 | 22 38 | 0 12 | 16 36 | 0 40 | 0 39 | 1 38 | 0 10 | 15 39 | 6 34 | 6 53 | 25 21 | 14 38 | 7 9 |
| F 10 | 1 50 | 21 15 | 4 40 | 9 48 | 1 31 | 17 58 | 2 41 | 6 14 | 1 2 | 22 55 | 0 30 | 22 38 | 0 12 | 16 35 | 0 40 | 0 39 | 1 38 | 0 10 | 15 39 | 6 32 | 6 52 | 25 19 | 14 38 | 7 8 |
| S 11 | 1 27 | 16 50 | 4 4 | 9 21 | 1 38 | 18 22 | 2 46 | 5 59 | 1 2 | 22 55 | 0 30 | 22 38 | 0 12 | 16 34 | 0 40 | 0 38 | 1 38 | 0 10 | 15 39 | 6 31 | 6 51 | 25 18 | 14 39 | 7 8 |
| S 12 | 1 3 | 11 42 | 3 17 | 8 52 | 1 43 | 18 45 | 2 51 | 5 44 | 1 2 | 22 55 | 0 30 | 22 38 | 0 12 | 16 33 | 0 40 | 0 37 | 1 38 | 0 11 | 15 39 | 6 30 | 6 50 | 25 16 | 14 39 | 7 7 |
| M13 | 0 40 | 6 2 | 2 20 | 8 19 | 1 47 | 19 8 | 2 55 | 5 28 | 1 2 | 22 55 | 0 29 | 22 38 | 0 12 | 16 32 | 0 40 | 0 37 | 1 38 | 0 11 | 15 39 | 6 29 | 6 49 | 25 14 | 14 40 | 7 7 |
| T 14 | 0 16 | 0 3 | 1 15 | 7 45 | 1 51 | 19 31 | 3 0 | 5 13 | 1 2 | 22 55 | 0 29 | 22 38 | 0 12 | 16 32 | 0 40 | 0 36 | 1 38 | 0 12 | 15 40 | 6 29 | 6 47 | 25 13 | 14 41 | 7 6 |
| W15 | 0s 8 | 6n 2 | 0 5 | 7 8 | 1 53 | 19 53 | 3 4 | 4 57 | 1 1 | 22 56 | 0 29 | 22 38 | 0 12 | 16 31 | 0 40 | 0 35 | 1 38 | 0 12 | 15 40 | 6 28 | 6 46 | 25 11 | 14 41 | 7 6 |
| T 16 | 0 31 | 11 59 | 1n 6 | 6 30 | 1 54 | 20 15 | 3 9 | 4 42 | 1 1 | 22 56 | 0 29 | 22 38 | 0 12 | 16 30 | 0 40 | 0 35 | 1 38 | 0 13 | 15 40 | 6 28 | 6 45 | 25 9 | 14 42 | 7 5 |
| F 17 | 0 55 | 17 31 | 2 15 | 5 50 | 1 55 | 20 37 | 3 13 | 4 26 | 1 1 | 22 56 | 0 29 | 22 38 | 0 12 | 16 29 | 0 40 | 0 34 | 1 38 | 0 13 | 15 40 | 6 29 | 6 44 | 25 8 | 14 42 | 7 5 |
| S 18 | 1 18 | 22 17 | 3 18 | 5 8 | 1 55 | 20 58 | 3 18 | 4 11 | 1 1 | 22 56 | 0 29 | 22 38 | 0 12 | 16 28 | 0 40 | 0 33 | 1 38 | 0 13 | 15 40 | 6 29 | 6 42 | 25 6 | 14 43 | 7 4 |
| S 19 | 1 42 | 25 56 | 4 10 | 4 26 | 1 54 | 21 18 | 3 22 | 3 55 | 1 0 | 22 56 | 0 29 | 22 38 | 0 12 | 16 27 | 0 40 | 0 33 | 1 38 | 0 14 | 15 41 | 6 30 | 6 41 | 25 4 | 14 43 | 7 4 |
| M20 | 2 6 | 28 7 | 4 49 | 3 42 | 1 52 | 21 38 | 3 26 | 3 40 | 1 0 | 22 56 | 0 29 | 22 38 | 0 12 | 16 26 | 0 40 | 0 32 | 1 38 | 0 14 | 15 41 | 6 30 | 6 40 | 25 3 | 14 44 | 7 3 |
| T 21 | 2 29 | 28 33 | 5 12 | 2 58 | 1 50 | 21 58 | 3 31 | 3 24 | 1 0 | 22 57 | 0 29 | 22 38 | 0 12 | 16 26 | 0 40 | 0 31 | 1 38 | 0 15 | 15 41 | 6 30 | 6 39 | 25 1 | 14 44 | 7 3 |
| W22 | 2 53 | 27 7 | 5 16 | 2 14 | 1 47 | 22 17 | 3 35 | 3 8 | 1 0 | 22 57 | 0 29 | 22 38 | 0 12 | 16 25 | 0 40 | 0 31 | 1 38 | 0 15 | 15 41 | 6 30 | 6 38 | 24 59 | 14 45 | 7 2 |
| T 23 | 3 16 | 23 55 | 5 0 | 1 28 | 1 44 | 22 36 | 3 39 | 2 53 | 0 59 | 22 57 | 0 29 | 22 38 | 0 12 | 16 24 | 0 40 | 0 30 | 1 38 | 0 15 | 15 41 | 6 30 | 6 36 | 24 58 | 14 45 | 7 2 |
| F 24 | 3 40 | 19 13 | 4 26 | 0 43 | 1 40 | 22 54 | 3 43 | 2 37 | 0 59 | 22 57 | 0 29 | 22 38 | 0 12 | 16 23 | 0 40 | 0 29 | 1 38 | 0 16 | 15 41 | 6 29 | 6 35 | 24 56 | 14 46 | 7 1 |
| S 25 | 4 3 | 13 25 | 3 34 | 0s 3 | 1 36 | 23 12 | 3 47 | 2 21 | 0 59 | 22 57 | 0 29 | 22 38 | 0 13 | 16 23 | 0 40 | 0 29 | 1 38 | 0 16 | 15 41 | 6 29 | 6 34 | 24 54 | 14 46 | 7 1 |
| S 26 | 4 26 | 6 55 | 2 29 | 0 49 | 1 31 | 23 29 | 3 51 | 2 6 | 0 59 | 22 57 | 0 29 | 22 38 | 0 13 | 16 22 | 0 40 | 0 28 | 1 38 | 0 17 | 15 42 | 6 29 | 6 33 | 24 53 | 14 47 | 7 0 |
| M27 | 4 50 | 0 8 | 1 16 | 1 35 | 1 27 | 23 46 | 3 54 | 1 50 | 0 58 | 22 57 | 0 29 | 22 38 | 0 13 | 16 21 | 0 40 | 0 27 | 1 38 | 0 17 | 15 42 | 6 29 | 6 31 | 24 51 | 14 47 | 7 0 |
| T 28 | 5 13 | 6s33 | 0s 1 | 2 21 | 1 22 | 24 2 | 3 58 | 1 34 | 0 58 | 22 57 | 0 29 | 22 38 | 0 13 | 16 20 | 0 40 | 0 27 | 1 38 | 0 18 | 15 42 | 6 29 | 6 30 | 24 49 | 14 48 | 6 59 |
| W29 | 5 36 | 12 48 | 1 16 | 3 6 | 1 16 | 24 17 | 4 1 | 1 18 | 0 58 | 22 57 | 0 29 | 22 38 | 0 13 | 16 20 | 0 40 | 0 26 | 1 38 | 0 18 | 15 42 | 6 29 | 6 29 | 24 47 | 14 48 | 6 59 |
| T 30 | 5s59 | 18s18 | 2s25 | 3s52 | 1n11 | 24s32 | 4s 5 | 1n 3 | 0n58 | 22n57 | 0s29 | 22s37 | 0s13 | 16n19 | 0n40 | 0n25 | 1s38 | 0s18 | 15s42 | 6n29 | 6n28 | 24s46 | 14s48 | 6n58 |

Julian Day Number = 2222424.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'23, Lahiri = 15°06'23 Julian Calendar 1 Sept. 1372 == Greg. Calendar 9 Sept. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## OCTOBER 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 12 7 | 16♎ 9'09 | 26♏39 | 14♎11 | 2♐29 | 0♎15 | 25♊20 | 17♑14 | 17♌26 | 4°R49 | 9°R10 | 16°R25 | 16♈20 | 1♒31 | 22♑13 | F 1 |
| S 2 | 1 16 4 | 17° 8'50 | 9♐21 | 15°52 | 3°23 | 0°54 | 25°21 | 17°16 | 17°29 | 4♈47 | 9♉ 9 | 16♈25 | 16°17 | 1°38 | 22°13 | S 2 |
| S 3 | 1 20 0 | 18° 8'33 | 21°45 | 17°34 | 4°17 | 1°33 | 25°21 | 17°18 | 17°31 | 4°45 | 9° 8 | 16°25 | 16°13 | 1°45 | 22°14 | S 3 |
| M 4 | 1 23 57 | 19° 8'18 | 3♑54 | 19°14 | 5°10 | 2°12 | 25°22 | 17°20 | 17°33 | 4°44 | 9° 7 | 16°25 | 16°10 | 1°51 | 22°15 | M 4 |
| T 5 | 1 27 54 | 20° 8'04 | 15°54 | 20°54 | 6° 3 | 2°51 | 25°R22 | 17°22 | 17°35 | 4°42 | 9° 6 | 16°D25 | 16° 7 | 1°58 | 22°16 | T 5 |
| W 6 | 1 31 50 | 21° 7'52 | 27°48 | 22°34 | 6°55 | 3°30 | 25°22 | 17°25 | 17°37 | 4°41 | 9° 5 | 16°25 | 16° 4 | 2° 5 | 22°17 | W 6 |
| T 7 | 1 35 47 | 22° 7'42 | 9♒40 | 24°13 | 7°47 | 4° 9 | 25°21 | 17°27 | 17°39 | 4°39 | 9° 4 | 16°25 | 16° 1 | 2°12 | 22°18 | T 7 |
| F 8 | 1 39 43 | 23° 7'33 | 21°37 | 25°51 | 8°37 | 4°48 | 25°21 | 17°29 | 17°42 | 4°37 | 9° 3 | 16°26 | 15°57 | 2°18 | 22°19 | F 8 |
| S 9 | 1 43 40 | 24° 7'26 | 3♓41 | 27°29 | 9°27 | 5°27 | 25°20 | 17°32 | 17°44 | 4°36 | 9° 2 | 16°26 | 15°54 | 2°25 | 22°20 | S 9 |
| S 10 | 1 47 36 | 25° 7'21 | 15°57 | 29° 6 | 10°17 | 6° 6 | 25°19 | 17°34 | 17°45 | 4°34 | 9° 1 | 16°27 | 15°51 | 2°32 | 22°22 | S 10 |
| M11 | 1 51 33 | 26° 7'18 | 28°28 | 0♏42 | 11° 5 | 6°46 | 25°18 | 17°37 | 17°47 | 4°33 | 9° 0 | 16°28 | 15°48 | 2°38 | 22°23 | M11 |
| T 12 | 1 55 29 | 27° 7'16 | 11♈15 | 2°19 | 11°53 | 7°25 | 25°17 | 17°40 | 17°49 | 4°31 | 8°59 | 16°R29 | 15°45 | 2°45 | 22°24 | T 12 |
| W13 | 1 59 26 | 28° 7'17 | 24°20 | 3°54 | 12°39 | 8° 4 | 25°15 | 17°43 | 17°51 | 4°30 | 8°58 | 16°29 | 15°42 | 2°52 | 22°26 | W13 |
| T 14 | 2 3 23 | 29° 7'19 | 7♉42 | 5°30 | 13°25 | 8°43 | 25°13 | 17°46 | 17°53 | 4°28 | 8°56 | 16°28 | 15°38 | 2°59 | 22°27 | T 14 |
| F 15 | 2 7 19 | 0♏ 7'23 | 21°19 | 7° 4 | 14°10 | 9°22 | 25°12 | 17°49 | 17°55 | 4°27 | 8°55 | 16°26 | 15°35 | 3° 5 | 22°29 | F 15 |
| S 16 | 2 11 16 | 1° 7'29 | 5♊10 | 8°39 | 14°54 | 10° 2 | 25° 9 | 17°52 | 17°56 | 4°25 | 8°54 | 16°25 | 15°32 | 3°12 | 22°31 | S 16 |
| S 17 | 2 15 12 | 2° 7'38 | 19°11 | 10°13 | 15°37 | 10°41 | 25° 7 | 17°55 | 17°58 | 4°24 | 8°53 | 16°23 | 15°29 | 3°19 | 22°32 | S 17 |
| M18 | 2 19 9 | 3° 7'48 | 3♋19 | 11°46 | 16°19 | 11°20 | 25° 5 | 17°59 | 17°59 | 4°22 | 8°52 | 16°21 | 15°26 | 3°25 | 22°34 | M18 |
| T 19 | 2 23 5 | 4° 8'01 | 17°31 | 13°19 | 17° 0 | 12° 0 | 25° 2 | 18° 2 | 18° 1 | 4°21 | 8°51 | 16°19 | 15°23 | 3°32 | 22°36 | T 19 |
| W20 | 2 27 2 | 5° 8'15 | 1♌43 | 14°52 | 17°40 | 12°39 | 24°59 | 18° 6 | 18° 2 | 4°20 | 8°50 | 16°D18 | 15°19 | 3°39 | 22°38 | W20 |
| T 21 | 2 30 58 | 6° 8'32 | 15°54 | 16°24 | 18°18 | 13°18 | 24°56 | 18° 9 | 18° 4 | 4°18 | 8°49 | 16°19 | 15°16 | 3°46 | 22°40 | T 21 |
| F 22 | 2 34 55 | 7° 8'50 | 0♍ 1 | 17°56 | 18°56 | 13°58 | 24°53 | 18°13 | 18° 5 | 4°17 | 8°48 | 16°20 | 15°13 | 3°52 | 22°42 | F 22 |
| S 23 | 2 38 52 | 8° 9'11 | 14° 3 | 19°28 | 19°32 | 14°37 | 24°49 | 18°17 | 18° 6 | 4°16 | 8°46 | 16°21 | 15°10 | 3°59 | 22°44 | S 23 |
| S 24 | 2 42 48 | 9° 9'34 | 27°57 | 20°59 | 20° 7 | 15°17 | 24°46 | 18°20 | 18° 8 | 4°14 | 8°45 | 16°22 | 15° 7 | 4° 6 | 22°47 | S 24 |
| M25 | 2 46 45 | 10° 9'58 | 11♎42 | 22°30 | 20°40 | 15°56 | 24°42 | 18°24 | 18° 9 | 4°13 | 8°44 | 16°R23 | 15° 3 | 4°12 | 22°49 | M25 |
| T 26 | 2 50 41 | 11°10'25 | 25°17 | 24° 1 | 21°12 | 16°36 | 24°38 | 18°28 | 18°10 | 4°12 | 8°43 | 16°23 | 15° 0 | 4°19 | 22°51 | T 26 |
| W27 | 2 54 38 | 12°10'53 | 8♏38 | 25°31 | 21°43 | 17°15 | 24°33 | 18°32 | 18°11 | 4°10 | 8°42 | 16°22 | 14°57 | 4°26 | 22°54 | W27 |
| T 28 | 2 58 34 | 13°11'23 | 21°46 | 27° 1 | 22°12 | 17°55 | 24°29 | 18°37 | 18°12 | 4° 9 | 8°41 | 16°19 | 14°54 | 4°33 | 22°56 | T 28 |
| F 29 | 3 2 31 | 14°11'54 | 4♐37 | 28°31 | 22°39 | 18°34 | 24°24 | 18°41 | 18°13 | 4° 8 | 8°40 | 16°14 | 14°51 | 4°39 | 22°59 | F 29 |
| S 30 | 3 6 27 | 15°12'27 | 17°14 | 29°59 | 23° 5 | 19°14 | 24°20 | 18°45 | 18°14 | 4° 7 | 8°39 | 16° 9 | 14°48 | 4°46 | 23° 1 | S 30 |
| S 31 | 3 10 24 | 16♏13'02 | 29♐36 | 1♐29 | 23♐29 | 19♎53 | 24♊15 | 18♑50 | 18♌15 | 4♈ 6 | 8♉37 | 16♈ 4 | 14♈44 | 4♒53 | 23♑ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6s23 | 22s48 | 3s25 | 4s37 | 1n 5 | 24s47 | 4s 8 | 0n47 | 0n57 | 22n57 | 0s29 | 22s37 | 0s13 | 16n18 | 0n40 | 0n25 | 1s38 | 0s19 | 15s42 | 6n29 | 6n27 | 24s44 | 14s49 | 6n58 |
| S 2 | 6 45 | 26 6 | 4 13 | 5 22 | 0 59 | 25 1 | 4 12 | 0 31 | 0 57 | 22 58 | 0 29 | 22 37 | 0 13 | 16 18 | 0 40 | 0 24 | 1 38 | 0 19 | 15 42 | 6 29 | 6 25 | 24 42 | 14 49 | 6 57 |
| S 3 | 7 8 | 28 3 | 4 48 | 6 6 | 0 53 | 25 15 | 4 15 | 0 15 | 0 57 | 22 58 | 0 29 | 22 37 | 0 13 | 16 17 | 0 40 | 0 23 | 1 38 | 0 20 | 15 42 | 6 29 | 6 24 | 24 40 | 14 50 | 6 57 |
| M 4 | 7 31 | 28 37 | 5 9 | 6 50 | 0 46 | 25 28 | 4 18 | 0s 1 | 0 57 | 22 58 | 0 29 | 22 37 | 0 13 | 16 16 | 0 41 | 0 23 | 1 38 | 0 20 | 15 42 | 6 29 | 6 23 | 24 38 | 14 50 | 6 56 |
| T 5 | 7 54 | 27 49 | 5 17 | 7 34 | 0 40 | 25 40 | 4 20 | 0 17 | 0 56 | 22 58 | 0 29 | 22 36 | 0 13 | 16 16 | 0 41 | 0 22 | 1 38 | 0 20 | 15 43 | 6 29 | 6 22 | 24 37 | 14 50 | 6 56 |
| W 6 | 8 16 | 25 45 | 5 11 | 8 17 | 0 34 | 25 52 | 4 23 | 0 32 | 0 56 | 22 58 | 0 29 | 22 36 | 0 13 | 16 15 | 0 41 | 0 22 | 1 38 | 0 21 | 15 43 | 6 29 | 6 20 | 24 35 | 14 51 | 6 55 |
| T 7 | 8 39 | 22 34 | 4 51 | 9 0 | 0 27 | 26 3 | 4 26 | 0 48 | 0 56 | 22 58 | 0 29 | 22 36 | 0 13 | 16 14 | 0 41 | 0 21 | 1 38 | 0 21 | 15 43 | 6 29 | 6 19 | 24 33 | 14 51 | 6 55 |
| F 8 | 9 1 | 18 26 | 4 19 | 9 42 | 0 20 | 26 14 | 4 28 | 1 4 | 0 55 | 22 58 | 0 29 | 22 36 | 0 13 | 16 14 | 0 41 | 0 20 | 1 38 | 0 22 | 15 43 | 6 29 | 6 18 | 24 31 | 14 51 | 6 54 |
| S 9 | 9 23 | 13 32 | 3 35 | 10 24 | 0 14 | 26 24 | 4 31 | 1 20 | 0 55 | 22 58 | 0 29 | 22 35 | 0 13 | 16 13 | 0 41 | 0 20 | 1 38 | 0 22 | 15 43 | 6 29 | 6 17 | 24 29 | 14 52 | 6 54 |
| S 10 | 9 45 | 8 2 | 2 41 | 11 5 | 0 7 | 26 34 | 4 33 | 1 36 | 0 55 | 22 58 | 0 29 | 22 35 | 0 13 | 16 13 | 0 41 | 0 19 | 1 38 | 0 22 | 15 43 | 6 30 | 6 16 | 24 28 | 14 52 | 6 53 |
| M11 | 10 7 | 2 7 | 1 38 | 11 45 | 0 0 | 26 43 | 4 35 | 1 51 | 0 55 | 22 58 | 0 29 | 22 35 | 0 13 | 16 12 | 0 41 | 0 19 | 1 38 | 0 23 | 15 43 | 6 30 | 6 14 | 24 26 | 14 52 | 6 53 |
| T 12 | 10 29 | 4n 1 | 0 29 | 12 25 | 0s 6 | 26 51 | 4 36 | 2 7 | 0 54 | 22 58 | 0 29 | 22 35 | 0 13 | 16 12 | 0 41 | 0 18 | 1 38 | 0 23 | 15 43 | 6 30 | 6 13 | 24 24 | 14 52 | 6 52 |
| W13 | 10 51 | 10 8 | 0n43 | 13 4 | 0 13 | 26 59 | 4 38 | 2 23 | 0 54 | 22 58 | 0 29 | 22 34 | 0 14 | 16 11 | 0 41 | 0 17 | 1 38 | 0 23 | 15 43 | 6 30 | 6 12 | 24 22 | 14 53 | 6 52 |
| T 14 | 11 12 | 15 56 | 1 55 | 13 43 | 0 20 | 27 7 | 4 39 | 2 39 | 0 54 | 22 58 | 0 28 | 22 34 | 0 14 | 16 11 | 0 41 | 0 17 | 1 38 | 0 24 | 15 43 | 6 30 | 6 11 | 24 20 | 14 53 | 6 51 |
| F 15 | 11 33 | 21 4 | 3 1 | 14 20 | 0 27 | 27 13 | 4 41 | 2 55 | 0 53 | 22 58 | 0 28 | 22 33 | 0 14 | 16 10 | 0 41 | 0 16 | 1 38 | 0 24 | 15 43 | 6 29 | 6 9 | 24 18 | 14 53 | 6 51 |
| S 16 | 11 54 | 25 8 | 3 57 | 14 57 | 0 33 | 27 20 | 4 42 | 3 10 | 0 53 | 22 58 | 0 28 | 22 33 | 0 14 | 16 10 | 0 41 | 0 16 | 1 38 | 0 25 | 15 43 | 6 28 | 6 8 | 24 17 | 14 53 | 6 50 |
| S 17 | 12 15 | 27 45 | 4 41 | 15 34 | 0 40 | 27 25 | 4 42 | 3 26 | 0 53 | 22 58 | 0 28 | 22 33 | 0 14 | 16 9 | 0 41 | 0 15 | 1 38 | 0 25 | 15 43 | 6 28 | 6 7 | 24 15 | 14 54 | 6 50 |
| M18 | 12 36 | 28 36 | 5 7 | 16 9 | 0 46 | 27 31 | 4 43 | 3 42 | 0 52 | 22 58 | 0 28 | 22 32 | 0 14 | 16 9 | 0 41 | 0 15 | 1 38 | 0 25 | 15 43 | 6 27 | 6 6 | 24 13 | 14 54 | 6 49 |
| T 19 | 12 56 | 27 35 | 5 15 | 16 44 | 0 53 | 27 35 | 4 43 | 3 58 | 0 52 | 22 58 | 0 28 | 22 32 | 0 14 | 16 8 | 0 41 | 0 14 | 1 38 | 0 26 | 15 43 | 6 26 | 6 4 | 24 11 | 14 54 | 6 49 |
| W20 | 13 17 | 24 47 | 5 4 | 17 17 | 0 59 | 27 39 | 4 43 | 4 13 | 0 52 | 22 58 | 0 28 | 22 32 | 0 14 | 16 8 | 0 41 | 0 13 | 1 38 | 0 26 | 15 43 | 6 26 | 6 3 | 24 9 | 14 54 | 6 48 |
| T 21 | 13 37 | 20 29 | 4 34 | 17 50 | 1 5 | 27 43 | 4 43 | 4 29 | 0 51 | 22 57 | 0 28 | 22 31 | 0 14 | 16 7 | 0 41 | 0 13 | 1 38 | 0 26 | 15 43 | 6 26 | 6 2 | 24 7 | 14 54 | 6 48 |
| F 22 | 13 57 | 15 4 | 3 48 | 18 23 | 1 11 | 27 45 | 4 43 | 4 45 | 0 51 | 22 57 | 0 28 | 22 31 | 0 14 | 16 7 | 0 41 | 0 12 | 1 38 | 0 27 | 15 43 | 6 27 | 6 1 | 24 5 | 14 54 | 6 47 |
| S 23 | 14 16 | 8 53 | 2 49 | 18 54 | 1 17 | 27 48 | 4 42 | 5 0 | 0 51 | 22 57 | 0 28 | 22 30 | 0 14 | 16 7 | 0 41 | 0 12 | 1 38 | 0 27 | 15 43 | 6 27 | 6 0 | 24 3 | 14 55 | 6 47 |
| S 24 | 14 36 | 2 20 | 1 40 | 19 24 | 1 23 | 27 50 | 4 41 | 5 16 | 0 50 | 22 57 | 0 28 | 22 30 | 0 14 | 16 6 | 0 41 | 0 11 | 1 38 | 0 27 | 15 43 | 6 28 | 5 58 | 24 1 | 14 55 | 6 46 |
| M25 | 14 55 | 4s15 | 0 26 | 19 53 | 1 29 | 27 51 | 4 40 | 5 31 | 0 50 | 22 57 | 0 28 | 22 29 | 0 14 | 16 6 | 0 41 | 0 11 | 1 38 | 0 27 | 15 43 | 6 28 | 5 57 | 24 0 | 14 55 | 6 46 |
| T 26 | 15 14 | 10 34 | 0s49 | 20 22 | 1 34 | 27 52 | 4 38 | 5 47 | 0 50 | 22 57 | 0 28 | 22 29 | 0 14 | 16 6 | 0 41 | 0 10 | 1 38 | 0 28 | 15 43 | 6 28 | 5 56 | 23 58 | 14 55 | 6 45 |
| W27 | 15 33 | 16 19 | 1 59 | 20 49 | 1 40 | 27 52 | 4 36 | 6 2 | 0 49 | 22 57 | 0 28 | 22 28 | 0 14 | 16 5 | 0 41 | 0 10 | 1 38 | 0 28 | 15 43 | 6 27 | 5 55 | 23 56 | 14 55 | 6 45 |
| T 28 | 15 51 | 21 12 | 3 2 | 21 15 | 1 45 | 27 51 | 4 34 | 6 18 | 0 49 | 22 57 | 0 28 | 22 28 | 0 14 | 16 5 | 0 41 | 0 10 | 1 38 | 0 28 | 15 43 | 6 26 | 5 53 | 23 54 | 14 55 | 6 44 |
| F 29 | 16 9 | 24 58 | 3 54 | 21 41 | 1 50 | 27 50 | 4 32 | 6 33 | 0 49 | 22 57 | 0 28 | 22 27 | 0 14 | 16 5 | 0 42 | 0 9 | 1 38 | 0 29 | 15 43 | 6 25 | 5 52 | 23 52 | 14 55 | 6 44 |
| S 30 | 16 27 | 27 27 | 4 33 | 22 5 | 1 54 | 27 49 | 4 29 | 6 49 | 0 48 | 22 57 | 0 28 | 22 27 | 0 15 | 16 5 | 0 42 | 0 9 | 1 38 | 0 29 | 15 43 | 6 23 | 5 51 | 23 50 | 14 55 | 6 44 |
| S 31 | 16s45 | 28s31 | 4s59 | 22s28 | 1s59 | 27s47 | 4s25 | 7s 4 | 0n48 | 22n56 | 0s27 | 22s26 | 0s15 | 16n 4 | 0n42 | 0n 8 | 1s38 | 0s29 | 15s43 | 6n21 | 5n50 | 23s48 | 14s55 | 6n43 |

Julian Day Number = 2222454.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'27, Lahiri = 15°06'28 Julian Calendar 1 Oct. 1372 == Greg. Calendar 9 Oct. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## NOVEMBER 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 14 21 | 17♏13'37 | 11♑45 | 2♐57 | 23♐51 | 20♎33 | 24°R10 | 18♑54 | 18♌16 | 4°R 5 | 8°R36 | 15°R59 | 14♈41 | 4♒59 | 23♑ 7 | M 1 |
| T 2 | 3 18 17 | 18°14'14 | 23°44 | 4°25 | 24°11 | 21°13 | 24♊ 4 | 18°59 | 18°17 | 4♈ 4 | 8♉35 | 15♈55 | 14°38 | 5° 6 | 23° 9 | T 2 |
| W 3 | 3 22 14 | 19°14'53 | 5♒37 | 5°52 | 24°30 | 21°52 | 23°59 | 19° 3 | 18°17 | 4° 2 | 8°34 | 15°53 | 14°35 | 5°13 | 23°12 | W 3 |
| T 4 | 3 26 10 | 20°15'32 | 17°28 | 7°19 | 24°46 | 22°32 | 23°53 | 19° 8 | 18°18 | 4° 1 | 8°33 | 15°D51 | 14°32 | 5°20 | 23°15 | T 4 |
| F 5 | 3 30 7 | 21°16'13 | 29°23 | 8°45 | 25° 0 | 23°12 | 23°48 | 19°13 | 18°19 | 4° 0 | 8°32 | 15°52 | 14°29 | 5°26 | 23°18 | F 5 |
| S 6 | 3 34 3 | 22°16'55 | 11♓25 | 10°10 | 25°12 | 23°52 | 23°42 | 19°18 | 18°19 | 3°59 | 8°31 | 15°53 | 14°25 | 5°33 | 23°21 | S 6 |
| S 7 | 3 38 0 | 23°17'37 | 23°41 | 11°35 | 25°22 | 24°31 | 23°36 | 19°23 | 18°20 | 3°58 | 8°30 | 15°55 | 14°22 | 5°40 | 23°24 | S 7 |
| M 8 | 3 41 56 | 24°18'21 | 6♈15 | 12°59 | 25°30 | 25°11 | 23°30 | 19°28 | 18°20 | 3°57 | 8°29 | 15°56 | 14°19 | 5°46 | 23°27 | M 8 |
| T 9 | 3 45 53 | 25°19'06 | 19° 9 | 14°22 | 25°35 | 25°51 | 23°23 | 19°33 | 18°20 | 3°57 | 8°28 | 15°R57 | 14°16 | 5°53 | 23°30 | T 9 |
| W10 | 3 49 50 | 26°19'53 | 2♉27 | 15°43 | 25°38 | 26°31 | 23°17 | 19°38 | 18°21 | 3°56 | 8°26 | 15°55 | 14°13 | 6° 0 | 23°33 | W10 |
| T 11 | 3 53 46 | 27°20'40 | 16° 8 | 17° 4 | 25°R39 | 27°10 | 23°10 | 19°43 | 18°21 | 3°55 | 8°25 | 15°52 | 14° 9 | 6° 7 | 23°37 | T 11 |
| F 12 | 3 57 43 | 28°21'29 | 0♊11 | 18°22 | 25°37 | 27°50 | 23° 3 | 19°48 | 18°21 | 3°54 | 8°24 | 15°47 | 14° 6 | 6°13 | 23°40 | F 12 |
| S 13 | 4 1 39 | 29°22'18 | 14°31 | 19°39 | 25°33 | 28°30 | 22°57 | 19°54 | 18°21 | 3°53 | 8°23 | 15°40 | 14° 3 | 6°20 | 23°43 | S 13 |
| S 14 | 4 5 36 | 0♐23'10 | 29° 3 | 20°54 | 25°26 | 29°10 | 22°50 | 19°59 | 18°21 | 3°52 | 8°22 | 15°33 | 14° 0 | 6°27 | 23°47 | S 14 |
| M15 | 4 9 32 | 1°24'02 | 13♋38 | 22° 7 | 25°17 | 29°50 | 22°43 | 20° 4 | 18°R21 | 3°52 | 8°21 | 15°26 | 13°57 | 6°33 | 23°50 | M15 |
| T 16 | 4 13 29 | 2°24'56 | 28°12 | 23°17 | 25° 5 | 0♏30 | 22°35 | 20°10 | 18°21 | 3°51 | 8°20 | 15°20 | 13°54 | 6°40 | 23°54 | T 16 |
| W17 | 4 17 26 | 3°25'51 | 12♌38 | 24°24 | 24°51 | 1°10 | 22°28 | 20°15 | 18°21 | 3°50 | 8°19 | 15°16 | 13°50 | 6°47 | 23°57 | W17 |
| T 18 | 4 21 22 | 4°26'47 | 26°53 | 25°27 | 24°34 | 1°50 | 22°21 | 20°21 | 18°21 | 3°50 | 8°18 | 15°14 | 13°47 | 6°54 | 24° 1 | T 18 |
| F 19 | 4 25 19 | 5°27'45 | 10♍54 | 26°27 | 24°15 | 2°30 | 22°13 | 20°27 | 18°21 | 3°49 | 8°17 | 15°D14 | 13°44 | 7° 0 | 24° 5 | F 19 |
| S 20 | 4 29 15 | 6°28'44 | 24°40 | 27°21 | 23°54 | 3°10 | 22° 6 | 20°33 | 18°21 | 3°49 | 8°16 | 15°15 | 13°41 | 7° 7 | 24° 8 | S 20 |
| S 21 | 4 33 12 | 7°29'44 | 8♎14 | 28°11 | 23°31 | 3°50 | 21°58 | 20°38 | 18°21 | 3°48 | 8°15 | 15°R16 | 13°38 | 7°14 | 24°12 | S 21 |
| M22 | 4 37 8 | 8°30'45 | 21°35 | 28°54 | 23° 5 | 4°30 | 21°50 | 20°44 | 18°20 | 3°48 | 8°14 | 15°16 | 13°35 | 7°20 | 24°16 | M22 |
| T 23 | 4 41 5 | 9°31'48 | 4♏44 | 29°30 | 22°38 | 5°10 | 21°43 | 20°50 | 18°20 | 3°47 | 8°13 | 15°14 | 13°31 | 7°27 | 24°20 | T 23 |
| W24 | 4 45 1 | 10°32'51 | 17°42 | 29°59 | 22° 8 | 5°50 | 21°35 | 20°56 | 18°19 | 3°47 | 8°12 | 15° 9 | 13°28 | 7°34 | 24°24 | W24 |
| T 25 | 4 48 58 | 11°33'56 | 0♐29 | 0♑19 | 21°38 | 6°31 | 21°27 | 21° 2 | 18°19 | 3°46 | 8°12 | 15° 2 | 13°25 | 7°41 | 24°28 | T 25 |
| F 26 | 4 52 55 | 12°35'01 | 13° 5 | 0°30 | 21° 5 | 7°11 | 21°19 | 21° 8 | 18°18 | 3°46 | 8°11 | 14°52 | 13°22 | 7°47 | 24°32 | F 26 |
| S 27 | 4 56 51 | 13°36'07 | 25°30 | 0°R31 | 20°32 | 7°51 | 21°11 | 21°14 | 18°18 | 3°45 | 8°10 | 14°41 | 13°19 | 7°54 | 24°36 | S 27 |
| S 28 | 5 0 48 | 14°37'14 | 7♑45 | 0°20 | 19°57 | 8°31 | 21° 3 | 21°20 | 18°17 | 3°45 | 8° 9 | 14°29 | 13°15 | 8° 1 | 24°40 | S 28 |
| M29 | 5 4 44 | 15°38'21 | 19°49 | 29♐58 | 19°21 | 9°11 | 20°55 | 21°27 | 18°16 | 3°45 | 8° 8 | 14°17 | 13°12 | 8° 7 | 24°44 | M29 |
| T 30 | 5 8 41 | 16♐39'28 | 1♒46 | 29♐25 | 18♐45 | 9♏52 | 20♊47 | 21♑33 | 18♌15 | 3♈45 | 8♉ 7 | 14♈ 7 | 13♈ 9 | 8♒14 | 24♑48 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s 2 | 28s10 | 5s11 | 22s50 | 2s 3 | 27s44 | 4s22 | 7s19 | 0n48 | 22n56 | 0s27 | 22s26 | 0s15 | 16n 4 | 0n42 | 0n 8 | 1s38 | 0s30 | 15s43 | 6n19 | 5n48 | 23s46 | 14s55 | 6n43 |
| T 2 | 17 19 | 26 30 | 5 9 | 23 11 | 2 7 | 27 41 | 4 18 | 7 35 | 0 47 | 22 56 | 0 27 | 22 25 | 0 15 | 16 4 | 0 42 | 0 7 | 1 38 | 0 30 | 15 43 | 6 17 | 5 47 | 23 44 | 14 55 | 6 42 |
| W 3 | 17 36 | 23 40 | 4 54 | 23 30 | 2 11 | 27 37 | 4 13 | 7 50 | 0 47 | 22 56 | 0 27 | 22 24 | 0 15 | 16 4 | 0 42 | 0 7 | 1 38 | 0 30 | 15 43 | 6 16 | 5 46 | 23 42 | 14 55 | 6 42 |
| T 4 | 17 52 | 19 52 | 4 26 | 23 49 | 2 14 | 27 33 | 4 8 | 8 5 | 0 46 | 22 56 | 0 27 | 22 24 | 0 15 | 16 4 | 0 42 | 0 7 | 1 38 | 0 30 | 15 43 | 6 16 | 5 45 | 23 40 | 14 55 | 6 41 |
| F 5 | 18 8 | 15 16 | 3 47 | 24 6 | 2 17 | 27 28 | 4 3 | 8 20 | 0 46 | 22 56 | 0 27 | 22 23 | 0 15 | 16 3 | 0 42 | 0 6 | 1 38 | 0 31 | 15 42 | 6 16 | 5 44 | 23 38 | 14 55 | 6 41 |
| S 6 | 18 24 | 10 2 | 2 57 | 24 22 | 2 20 | 27 23 | 3 57 | 8 35 | 0 46 | 22 55 | 0 27 | 22 23 | 0 15 | 16 3 | 0 42 | 0 6 | 1 38 | 0 31 | 15 42 | 6 16 | 5 42 | 23 36 | 14 55 | 6 41 |
| S 7 | 18 40 | 4 19 | 1 58 | 24 36 | 2 22 | 27 17 | 3 51 | 8 50 | 0 45 | 22 55 | 0 27 | 22 22 | 0 15 | 16 3 | 0 42 | 0 6 | 1 38 | 0 31 | 15 42 | 6 17 | 5 41 | 23 34 | 14 55 | 6 40 |
| M 8 | 18 55 | 1n41 | 0 53 | 24 49 | 2 24 | 27 11 | 3 44 | 9 5 | 0 45 | 22 55 | 0 27 | 22 21 | 0 15 | 16 3 | 0 42 | 0 5 | 1 38 | 0 31 | 15 42 | 6 18 | 5 40 | 23 32 | 14 55 | 6 40 |
| T 9 | 19 10 | 7 48 | 0n17 | 25 1 | 2 26 | 27 4 | 3 37 | 9 20 | 0 44 | 22 55 | 0 27 | 22 21 | 0 15 | 16 3 | 0 42 | 0 5 | 1 38 | 0 31 | 15 42 | 6 18 | 5 39 | 23 30 | 14 54 | 6 39 |
| W10 | 19 24 | 13 45 | 1 28 | 25 11 | 2 26 | 26 56 | 3 29 | 9 35 | 0 44 | 22 55 | 0 27 | 22 20 | 0 15 | 16 3 | 0 42 | 0 5 | 1 37 | 0 32 | 15 42 | 6 17 | 5 37 | 23 28 | 14 54 | 6 39 |
| T 11 | 19 38 | 19 13 | 2 36 | 25 20 | 2 27 | 26 48 | 3 21 | 9 50 | 0 44 | 22 54 | 0 26 | 22 19 | 0 15 | 16 3 | 0 42 | 0 4 | 1 37 | 0 32 | 15 42 | 6 16 | 5 36 | 23 26 | 14 54 | 6 39 |
| F 12 | 19 52 | 23 47 | 3 36 | 25 27 | 2 27 | 26 39 | 3 12 | 10 4 | 0 43 | 22 54 | 0 26 | 22 18 | 0 15 | 16 3 | 0 42 | 0 4 | 1 37 | 0 32 | 15 42 | 6 14 | 5 35 | 23 24 | 14 54 | 6 38 |
| S 13 | 20 5 | 26 59 | 4 24 | 25 33 | 2 26 | 26 29 | 3 2 | 10 19 | 0 43 | 22 54 | 0 26 | 22 18 | 0 15 | 16 3 | 0 42 | 0 4 | 1 37 | 0 32 | 15 41 | 6 11 | 5 34 | 23 22 | 14 54 | 6 38 |
| S 14 | 20 18 | 28 26 | 4 55 | 25 37 | 2 25 | 26 19 | 2 52 | 10 33 | 0 42 | 22 54 | 0 26 | 22 17 | 0 15 | 16 3 | 0 42 | 0 3 | 1 37 | 0 32 | 15 41 | 6 8 | 5 32 | 23 20 | 14 54 | 6 37 |
| M15 | 20 31 | 27 55 | 5 7 | 25 40 | 2 23 | 26 8 | 2 42 | 10 48 | 0 42 | 22 53 | 0 26 | 22 16 | 0 15 | 16 3 | 0 42 | 0 3 | 1 37 | 0 33 | 15 41 | 6 6 | 5 31 | 23 18 | 14 53 | 6 37 |
| T 16 | 20 43 | 25 29 | 5 0 | 25 41 | 2 20 | 25 57 | 2 31 | 11 2 | 0 41 | 22 53 | 0 26 | 22 15 | 0 15 | 16 3 | 0 42 | 0 3 | 1 37 | 0 33 | 15 41 | 6 3 | 5 30 | 23 16 | 14 53 | 6 37 |
| W17 | 20 55 | 21 26 | 4 33 | 25 40 | 2 16 | 25 45 | 2 19 | 11 17 | 0 41 | 22 53 | 0 26 | 22 15 | 0 16 | 16 3 | 0 42 | 0 3 | 1 37 | 0 33 | 15 41 | 6 2 | 5 29 | 23 14 | 14 53 | 6 36 |
| T 18 | 21 6 | 16 12 | 3 50 | 25 38 | 2 12 | 25 32 | 2 7 | 11 31 | 0 41 | 22 52 | 0 26 | 22 14 | 0 16 | 16 3 | 0 42 | 0 3 | 1 37 | 0 33 | 15 41 | 6 1 | 5 27 | 23 11 | 14 53 | 6 36 |
| F 19 | 21 17 | 10 11 | 2 54 | 25 35 | 2 6 | 25 19 | 1 55 | 11 45 | 0 40 | 22 52 | 0 26 | 22 13 | 0 16 | 16 3 | 0 42 | 0 2 | 1 37 | 0 33 | 15 41 | 6 1 | 5 26 | 23 9 | 14 52 | 6 36 |
| S 20 | 21 28 | 3 47 | 1 48 | 25 29 | 2 0 | 25 5 | 1 42 | 11 59 | 0 40 | 22 52 | 0 26 | 22 12 | 0 16 | 16 3 | 0 42 | 0 2 | 1 37 | 0 33 | 15 40 | 6 1 | 5 25 | 23 7 | 14 52 | 6 35 |
| S 21 | 21 38 | 2s42 | 0 38 | 25 23 | 1 52 | 24 50 | 1 28 | 12 14 | 0 39 | 22 51 | 0 25 | 22 11 | 0 16 | 16 3 | 0 43 | 0 2 | 1 37 | 0 33 | 15 40 | 6 2 | 5 24 | 23 5 | 14 52 | 6 35 |
| M22 | 21 48 | 8 58 | 0s34 | 25 14 | 1 43 | 24 35 | 1 14 | 12 28 | 0 39 | 22 51 | 0 25 | 22 11 | 0 16 | 16 4 | 0 43 | 0 2 | 1 37 | 0 33 | 15 40 | 6 2 | 5 23 | 23 3 | 14 51 | 6 35 |
| T 23 | 21 57 | 14 45 | 1 42 | 25 5 | 1 33 | 24 19 | 1 0 | 12 41 | 0 38 | 22 51 | 0 25 | 22 10 | 0 16 | 16 4 | 0 43 | 0 2 | 1 37 | 0 34 | 15 40 | 6 1 | 5 21 | 23 1 | 14 51 | 6 34 |
| W24 | 22 6 | 19 48 | 2 45 | 24 53 | 1 22 | 24 3 | 0 46 | 12 55 | 0 38 | 22 50 | 0 25 | 22 9 | 0 16 | 16 4 | 0 43 | 0 2 | 1 37 | 0 34 | 15 40 | 5 59 | 5 20 | 22 59 | 14 51 | 6 34 |
| T 25 | 22 15 | 23 52 | 3 37 | 24 41 | 1 9 | 23 46 | 0 31 | 13 9 | 0 37 | 22 50 | 0 25 | 22 8 | 0 16 | 16 4 | 0 43 | 0 1 | 1 37 | 0 34 | 15 39 | 5 57 | 5 19 | 22 57 | 14 50 | 6 34 |
| F 26 | 22 23 | 26 43 | 4 18 | 24 27 | 0 55 | 23 29 | 0 15 | 13 23 | 0 37 | 22 50 | 0 25 | 22 7 | 0 16 | 16 4 | 0 43 | 0 1 | 1 37 | 0 34 | 15 39 | 5 53 | 5 18 | 22 55 | 14 50 | 6 33 |
| S 27 | 22 31 | 28 13 | 4 47 | 24 11 | 0 40 | 23 11 | 0n 0 | 13 36 | 0 36 | 22 49 | 0 25 | 22 6 | 0 16 | 16 5 | 0 43 | 0 1 | 1 37 | 0 34 | 15 39 | 5 48 | 5 16 | 22 52 | 14 50 | 6 33 |
| S 28 | 22 38 | 28 18 | 5 1 | 23 55 | 0 23 | 22 53 | 0 16 | 13 50 | 0 36 | 22 49 | 0 25 | 22 5 | 0 16 | 16 5 | 0 43 | 0 1 | 1 37 | 0 34 | 15 39 | 5 44 | 5 15 | 22 50 | 14 49 | 6 33 |
| M29 | 22 45 | 27 2 | 5 2 | 23 37 | 0 5 | 22 35 | 0 31 | 14 3 | 0 35 | 22 48 | 0 24 | 22 4 | 0 16 | 16 5 | 0 43 | 0 1 | 1 37 | 0 34 | 15 39 | 5 39 | 5 14 | 22 48 | 14 49 | 6 33 |
| T 30 | 22s51 | 24s32 | 4s49 | 23s18 | 0n13 | 22s16 | 0n47 | 14s16 | 0n35 | 22n48 | 0s24 | 22s 4 | 0s16 | 16n 5 | 0n43 | 0n 1 | 1s37 | 0s34 | 15s38 | 5n35 | 5n13 | 22s46 | 14s48 | 6n32 |

Julian Day Number = 2222485.5, Delta T = 08m35s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'31, Lahiri = 15°06'32 Julian Calendar 1 Nov. 1372 == Greg. Calendar 9 Nov. 1372


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# ASTRODIENST EPHEMERIS for the year 1372
# geocentric

## DECEMBER 1372 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 12 37 | 17♐40'36 | 13♒37 | 28°R40 | 18°R 9 | 10♏32 | 20°R38 | 21♑39 | 18°R15 | 3°R44 | 8°R 6 | 13°R59 | 13♈ 6 | 8♒21 | 24♑52 | W 1 |
| T 2 | 5 16 34 | 18°41'45 | 25°27 | 27♐44 | 17♐32 | 11°12 | 20♊30 | 21°46 | 18♌14 | 3♈44 | 8♉ 5 | 13♈54 | 13° 3 | 8°28 | 24°56 | T 2 |
| F 3 | 5 20 30 | 19°42'53 | 7♓18 | 26°39 | 16°56 | 11°53 | 20°22 | 21°52 | 18°13 | 3°44 | 8° 5 | 13°51 | 13° 0 | 8°34 | 25° 1 | F 3 |
| S 4 | 5 24 27 | 20°44'02 | 19°17 | 25°25 | 16°20 | 12°33 | 20°14 | 21°58 | 18°12 | 3°44 | 8° 4 | 13°D50 | 12°56 | 8°41 | 25° 5 | S 4 |
| S 5 | 5 28 24 | 21°45'11 | 1♈29 | 24° 6 | 15°45 | 13°13 | 20° 6 | 22° 5 | 18°11 | 3°44 | 8° 3 | 13°50 | 12°53 | 8°48 | 25° 9 | S 5 |
| M 6 | 5 32 20 | 22°46'20 | 13°58 | 22°44 | 15°11 | 13°54 | 19°58 | 22°11 | 18°10 | 3°D44 | 8° 2 | 13°R50 | 12°50 | 8°54 | 25°14 | M 6 |
| T 7 | 5 36 17 | 23°47'29 | 26°51 | 21°22 | 14°38 | 14°34 | 19°50 | 22°18 | 18° 8 | 3°44 | 8° 2 | 13°50 | 12°47 | 9° 1 | 25°18 | T 7 |
| W 8 | 5 40 13 | 24°48'38 | 10♉10 | 20° 2 | 14° 6 | 15°15 | 19°41 | 22°24 | 18° 7 | 3°44 | 8° 1 | 13°47 | 12°44 | 9° 8 | 25°22 | W 8 |
| T 9 | 5 44 10 | 25°49'47 | 23°58 | 18°47 | 13°36 | 15°55 | 19°33 | 22°31 | 18° 6 | 3°44 | 8° 0 | 13°41 | 12°41 | 9°14 | 25°27 | T 9 |
| F 10 | 5 48 6 | 26°50'57 | 8♊14 | 17°39 | 13° 7 | 16°35 | 19°25 | 22°38 | 18° 5 | 3°44 | 7°59 | 13°33 | 12°37 | 9°21 | 25°31 | F 10 |
| S 11 | 5 52 3 | 27°52'06 | 22°54 | 16°40 | 12°41 | 17°16 | 19°17 | 22°44 | 18° 3 | 3°44 | 7°59 | 13°23 | 12°34 | 9°28 | 25°36 | S 11 |
| S 12 | 5 55 59 | 28°53'16 | 7♋50 | 15°50 | 12°16 | 17°57 | 19° 9 | 22°51 | 18° 2 | 3°44 | 7°58 | 13°12 | 12°31 | 9°35 | 25°40 | S 12 |
| M13 | 5 59 56 | 29°54'26 | 22°54 | 15°11 | 11°54 | 18°37 | 19° 1 | 22°58 | 18° 0 | 3°45 | 7°57 | 13° 0 | 12°28 | 9°41 | 25°45 | M13 |
| T 14 | 6 3 53 | 0♑55'36 | 7♌54 | 14°42 | 11°34 | 19°18 | 18°54 | 23° 5 | 17°59 | 3°45 | 7°57 | 12°50 | 12°25 | 9°48 | 25°49 | T 14 |
| W15 | 6 7 49 | 1°56'46 | 22°43 | 14°24 | 11°16 | 19°58 | 18°46 | 23°11 | 17°57 | 3°45 | 7°56 | 12°43 | 12°21 | 9°55 | 25°54 | W15 |
| T 16 | 6 11 46 | 2°57'57 | 7♍14 | 14°D15 | 11° 1 | 20°39 | 18°38 | 23°18 | 17°56 | 3°46 | 7°56 | 12°39 | 12°18 | 10° 1 | 25°59 | T 16 |
| F 17 | 6 15 42 | 3°59'08 | 21°23 | 14°16 | 10°48 | 21°20 | 18°31 | 23°25 | 17°54 | 3°46 | 7°55 | 12°36 | 12°15 | 10° 8 | 26° 3 | F 17 |
| S 18 | 6 19 39 | 5° 0'19 | 5♎10 | 14°25 | 10°38 | 22° 0 | 18°23 | 23°32 | 17°53 | 3°46 | 7°54 | 12°36 | 12°12 | 10°15 | 26° 8 | S 18 |
| S 19 | 6 23 35 | 6° 1'30 | 18°36 | 14°43 | 10°30 | 22°41 | 18°16 | 23°39 | 17°51 | 3°47 | 7°54 | 12°36 | 12° 9 | 10°22 | 26°13 | S 19 |
| M20 | 6 27 32 | 7° 2'41 | 1♏44 | 15° 7 | 10°25 | 23°22 | 18° 8 | 23°46 | 17°49 | 3°47 | 7°53 | 12°35 | 12° 6 | 10°28 | 26°17 | M20 |
| T 21 | 6 31 28 | 8° 3'52 | 14°37 | 15°39 | 10°22 | 24° 2 | 18° 1 | 23°53 | 17°47 | 3°48 | 7°53 | 12°32 | 12° 2 | 10°35 | 26°22 | T 21 |
| W22 | 6 35 25 | 9° 5'04 | 27°16 | 16°16 | 10°D22 | 24°43 | 17°54 | 24° 0 | 17°45 | 3°48 | 7°52 | 12°26 | 11°59 | 10°42 | 26°27 | W22 |
| T 23 | 6 39 22 | 10° 6'15 | 9♐45 | 16°59 | 10°24 | 25°24 | 17°47 | 24° 7 | 17°44 | 3°49 | 7°52 | 12°16 | 11°56 | 10°48 | 26°31 | T 23 |
| F 24 | 6 43 18 | 11° 7'27 | 22° 5 | 17°46 | 10°29 | 26° 5 | 17°40 | 24°14 | 17°42 | 3°49 | 7°52 | 12° 4 | 11°53 | 10°55 | 26°36 | F 24 |
| S 25 | 6 47 15 | 12° 8'38 | 4♑17 | 18°37 | 10°36 | 26°46 | 17°33 | 24°21 | 17°40 | 3°50 | 7°51 | 11°50 | 11°50 | 11° 2 | 26°41 | S 25 |
| S 26 | 6 51 11 | 13° 9'49 | 16°22 | 19°33 | 10°45 | 27°26 | 17°26 | 24°28 | 17°38 | 3°51 | 7°51 | 11°35 | 11°47 | 11° 9 | 26°46 | S 26 |
| M27 | 6 55 8 | 14°10'59 | 28°20 | 20°32 | 10°56 | 28° 7 | 17°20 | 24°35 | 17°36 | 3°51 | 7°50 | 11°20 | 11°43 | 11°15 | 26°51 | M27 |
| T 28 | 6 59 4 | 15°12'09 | 10♒13 | 21°33 | 11°10 | 28°48 | 17°13 | 24°42 | 17°34 | 3°52 | 7°50 | 11° 6 | 11°40 | 11°22 | 26°55 | T 28 |
| W29 | 7 3 1 | 16°13'18 | 22° 3 | 22°38 | 11°25 | 29°29 | 17° 7 | 24°49 | 17°32 | 3°53 | 7°50 | 10°55 | 11°37 | 11°29 | 27° 0 | W29 |
| T 30 | 7 6 58 | 17°14'26 | 3♓52 | 23°45 | 11°43 | 0♐10 | 17° 1 | 24°56 | 17°29 | 3°54 | 7°49 | 10°48 | 11°34 | 11°35 | 27° 5 | T 30 |
| F 31 | 7 10 54 | 18♑15'34 | 15♓42 | 24♐55 | 12♐ 3 | 0♐51 | 16♊55 | 25♑ 3 | 17♌27 | 3♈54 | 7♉49 | 10♈43 | 11♈31 | 11♒42 | 27♑10 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s57 | 21s 0 | 4s24 | 22s58 | 0n33 | 21s57 | 1n 2 | 14s29 | 0n34 | 22n47 | 0s24 | 22s 3 | 0s16 | 16n 6 | 0n43 | 0n 1 | 1s37 | 0s34 | 15s38 | 5n32 | 5n11 | 22s44 | 14s48 | 6n32 |
| T 2 | 23 2 | 16 39 | 3 48 | 22 37 | 0 53 | 21 39 | 1 18 | 14 42 | 0 34 | 22 47 | 0 24 | 22 2 | 0 16 | 16 6 | 0 43 | 0 1 | 1 36 | 0 34 | 15 38 | 5 30 | 5 10 | 22 42 | 14 47 | 6 32 |
| F 3 | 23 7 | 11 40 | 3 1 | 22 16 | 1 13 | 21 20 | 1 33 | 14 55 | 0 33 | 22 47 | 0 24 | 22 1 | 0 16 | 16 6 | 0 43 | 0 1 | 1 36 | 0 34 | 15 38 | 5 29 | 5 9 | 22 40 | 14 47 | 6 31 |
| S 4 | 23 12 | 6 12 | 2 7 | 21 54 | 1 33 | 21 1 | 1 48 | 15 8 | 0 33 | 22 46 | 0 24 | 22 0 | 0 17 | 16 7 | 0 43 | 0 1 | 1 36 | 0 34 | 15 37 | 5 28 | 5 8 | 22 37 | 14 47 | 6 31 |
| S 5 | 23 16 | 0 24 | 1 5 | 21 32 | 1 51 | 20 43 | 2 3 | 15 21 | 0 32 | 22 46 | 0 24 | 21 59 | 0 17 | 16 7 | 0 43 | 0 1 | 1 36 | 0 34 | 15 37 | 5 29 | 5 6 | 22 35 | 14 46 | 6 31 |
| M 6 | 23 20 | 5n33 | 0n 1 | 21 11 | 2 9 | 20 25 | 2 17 | 15 34 | 0 32 | 22 45 | 0 23 | 21 58 | 0 17 | 16 7 | 0 43 | 0 1 | 1 36 | 0 34 | 15 37 | 5 29 | 5 5 | 22 33 | 14 46 | 6 31 |
| T 7 | 23 23 | 11 27 | 1 9 | 20 51 | 2 24 | 20 8 | 2 31 | 15 46 | 0 31 | 22 45 | 0 23 | 21 57 | 0 17 | 16 8 | 0 43 | 0 1 | 1 36 | 0 34 | 15 37 | 5 28 | 5 4 | 22 31 | 14 45 | 6 30 |
| W 8 | 23 25 | 17 3 | 2 15 | 20 32 | 2 38 | 19 50 | 2 45 | 15 58 | 0 31 | 22 44 | 0 23 | 21 56 | 0 17 | 16 8 | 0 43 | 0 1 | 1 36 | 0 34 | 15 36 | 5 27 | 5 3 | 22 29 | 14 44 | 6 30 |
| T 9 | 23 27 | 21 59 | 3 16 | 20 15 | 2 48 | 19 34 | 2 58 | 16 11 | 0 30 | 22 44 | 0 23 | 21 55 | 0 17 | 16 9 | 0 43 | 0 1 | 1 36 | 0 34 | 15 36 | 5 25 | 5 1 | 22 26 | 14 44 | 6 30 |
| F 10 | 23 29 | 25 48 | 4 6 | 20 1 | 2 57 | 19 18 | 3 11 | 16 23 | 0 30 | 22 43 | 0 23 | 21 54 | 0 17 | 16 9 | 0 43 | 0 1 | 1 36 | 0 34 | 15 36 | 5 22 | 5 0 | 22 24 | 14 43 | 6 30 |
| S 11 | 23 30 | 28 1 | 4 42 | 19 49 | 3 3 | 19 3 | 3 23 | 16 35 | 0 29 | 22 43 | 0 23 | 21 53 | 0 17 | 16 10 | 0 43 | 0 1 | 1 36 | 0 34 | 15 36 | 5 18 | 4 59 | 22 22 | 14 43 | 6 30 |
| S 12 | 23 31 | 28 16 | 4 59 | 19 40 | 3 7 | 18 49 | 3 34 | 16 47 | 0 29 | 22 42 | 0 22 | 21 52 | 0 17 | 16 10 | 0 43 | 0 1 | 1 36 | 0 34 | 15 35 | 5 14 | 4 58 | 22 20 | 14 42 | 6 29 |
| M13 | 23 31 | 26 26 | 4 56 | 19 34 | 3 8 | 18 35 | 3 45 | 16 59 | 0 28 | 22 42 | 0 22 | 21 50 | 0 17 | 16 11 | 0 43 | 0 2 | 1 36 | 0 34 | 15 35 | 5 9 | 4 56 | 22 18 | 14 42 | 6 29 |
| T 14 | 23 31 | 22 45 | 4 33 | 19 32 | 3 8 | 18 22 | 3 55 | 17 10 | 0 27 | 22 41 | 0 22 | 21 49 | 0 17 | 16 11 | 0 43 | 0 2 | 1 36 | 0 34 | 15 35 | 5 5 | 4 55 | 22 15 | 14 41 | 6 29 |
| W15 | 23 31 | 17 38 | 3 51 | 19 31 | 3 6 | 18 10 | 4 4 | 17 22 | 0 27 | 22 41 | 0 22 | 21 48 | 0 17 | 16 12 | 0 43 | 0 2 | 1 36 | 0 34 | 15 34 | 5 2 | 4 54 | 22 13 | 14 40 | 6 29 |
| T 16 | 23 29 | 11 36 | 2 55 | 19 34 | 3 3 | 18 0 | 4 13 | 17 33 | 0 26 | 22 40 | 0 22 | 21 47 | 0 17 | 16 12 | 0 44 | 0 2 | 1 36 | 0 34 | 15 34 | 5 1 | 4 53 | 22 11 | 14 40 | 6 29 |
| F 17 | 23 28 | 5 6 | 1 50 | 19 39 | 2 58 | 17 50 | 4 21 | 17 45 | 0 26 | 22 40 | 0 22 | 21 46 | 0 17 | 16 13 | 0 44 | 0 2 | 1 36 | 0 34 | 15 34 | 5 0 | 4 52 | 22 9 | 14 39 | 6 28 |
| S 18 | 23 26 | 1s28 | 0 39 | 19 45 | 2 52 | 17 41 | 4 29 | 17 56 | 0 25 | 22 39 | 0 21 | 21 45 | 0 17 | 16 13 | 0 44 | 0 2 | 1 36 | 0 33 | 15 34 | 5 0 | 4 50 | 22 6 | 14 38 | 6 28 |
| S 19 | 23 23 | 7 48 | 0s32 | 19 54 | 2 46 | 17 33 | 4 36 | 18 7 | 0 24 | 22 39 | 0 21 | 21 44 | 0 17 | 16 14 | 0 44 | 0 3 | 1 36 | 0 33 | 15 33 | 5 0 | 4 49 | 22 4 | 14 38 | 6 28 |
| M20 | 23 20 | 13 40 | 1 39 | 20 4 | 2 39 | 17 25 | 4 43 | 18 18 | 0 24 | 22 38 | 0 21 | 21 43 | 0 17 | 16 14 | 0 44 | 0 3 | 1 36 | 0 33 | 15 33 | 4 59 | 4 48 | 22 2 | 14 37 | 6 28 |
| T 21 | 23 17 | 18 50 | 2 40 | 20 15 | 2 31 | 17 19 | 4 49 | 18 28 | 0 23 | 22 38 | 0 21 | 21 42 | 0 18 | 16 15 | 0 44 | 0 3 | 1 36 | 0 33 | 15 33 | 4 58 | 4 47 | 22 0 | 14 36 | 6 28 |
| W22 | 23 13 | 23 3 | 3 32 | 20 27 | 2 23 | 17 14 | 4 54 | 18 39 | 0 23 | 22 37 | 0 21 | 21 40 | 0 18 | 16 15 | 0 44 | 0 3 | 1 35 | 0 33 | 15 32 | 4 56 | 4 45 | 21 57 | 14 35 | 6 28 |
| T 23 | 23 8 | 26 10 | 4 13 | 20 40 | 2 14 | 17 9 | 4 59 | 18 49 | 0 22 | 22 37 | 0 21 | 21 39 | 0 18 | 16 16 | 0 44 | 0 4 | 1 35 | 0 33 | 15 32 | 4 52 | 4 44 | 21 55 | 14 35 | 6 28 |
| F 24 | 23 3 | 27 58 | 4 41 | 20 53 | 2 5 | 17 6 | 5 3 | 19 0 | 0 21 | 22 37 | 0 20 | 21 38 | 0 18 | 16 17 | 0 44 | 0 4 | 1 35 | 0 33 | 15 32 | 4 47 | 4 43 | 21 53 | 14 34 | 6 27 |
| S 25 | 22 58 | 28 23 | 4 56 | 21 6 | 1 56 | 17 3 | 5 7 | 19 10 | 0 21 | 22 36 | 0 20 | 21 37 | 0 18 | 16 17 | 0 44 | 0 4 | 1 35 | 0 32 | 15 31 | 4 42 | 4 42 | 21 50 | 14 33 | 6 27 |
| S 26 | 22 52 | 27 27 | 4 58 | 21 20 | 1 47 | 17 1 | 5 10 | 19 20 | 0 20 | 22 36 | 0 20 | 21 36 | 0 18 | 16 18 | 0 44 | 0 5 | 1 35 | 0 32 | 15 31 | 4 36 | 4 40 | 21 48 | 14 32 | 6 27 |
| M27 | 22 46 | 25 14 | 4 46 | 21 34 | 1 38 | 17 0 | 5 13 | 19 30 | 0 19 | 22 35 | 0 20 | 21 35 | 0 18 | 16 19 | 0 44 | 0 5 | 1 35 | 0 32 | 15 31 | 4 30 | 4 39 | 21 46 | 14 32 | 6 27 |
| T 28 | 22 39 | 21 57 | 4 22 | 21 47 | 1 28 | 16 59 | 5 15 | 19 39 | 0 19 | 22 35 | 0 20 | 21 33 | 0 18 | 16 19 | 0 44 | 0 5 | 1 35 | 0 32 | 15 30 | 4 25 | 4 38 | 21 43 | 14 31 | 6 27 |
| W29 | 22 32 | 17 47 | 3 47 | 22 0 | 1 19 | 16 59 | 5 17 | 19 49 | 0 18 | 22 34 | 0 20 | 21 32 | 0 18 | 16 20 | 0 44 | 0 6 | 1 35 | 0 32 | 15 30 | 4 20 | 4 37 | 21 41 | 14 30 | 6 27 |
| T 30 | 22 24 | 12 56 | 3 1 | 22 13 | 1 10 | 17 0 | 5 19 | 19 58 | 0 18 | 22 34 | 0 19 | 21 31 | 0 18 | 16 21 | 0 44 | 0 6 | 1 35 | 0 31 | 15 30 | 4 17 | 4 35 | 21 39 | 14 29 | 6 27 |
| F 31 | 22s16 | 7s37 | 2s 8 | 22s25 | 1n 1 | 17s 1 | 5n20 | 20s 7 | 0n17 | 22n33 | 0s19 | 21s30 | 0s18 | 16n21 | 0n44 | 0n 6 | 1s35 | 0s31 | 15s29 | 4n15 | 4n34 | 21s36 | 14s28 | 6n27 |

Julian Day Number = 2222515.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'36, Lahiri = 15°06'36 Julian Calendar 1 Dec. 1372 == Greg. Calendar 9 Dec. 1372


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## JANUARY 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 14 51 | 19♑16'40 | 27♓40 | 26♐ 6 | 12♐24 | 1♐32 | 16°R49 | 25♑10 | 17°R25 | 3♈55 | 7°R49 | 10°R40 | 11♈27 | 11♒49 | 27♑15 | S 1 |
| S 2 | 7 18 47 | 20°17'46 | 9♈48 | 27°19 | 12°48 | 2°13 | 16♊43 | 25°18 | 17♌23 | 3°56 | 7♉49 | 10°D40 | 11°24 | 11°55 | 27°20 | S 2 |
| M 3 | 7 22 44 | 21°18'51 | 22°12 | 28°34 | 13°13 | 2°54 | 16°38 | 25°25 | 17°21 | 3°57 | 7°48 | 10°R40 | 11°21 | 12° 2 | 27°25 | M 3 |
| T 4 | 7 26 40 | 22°19'55 | 4♉59 | 29°50 | 13°40 | 3°35 | 16°33 | 25°32 | 17°18 | 3°58 | 7°48 | 10♈39 | 11°18 | 12° 9 | 27°29 | T 4 |
| W 5 | 7 30 37 | 23°20'58 | 18°11 | 1♑ 8 | 14° 8 | 4°16 | 16°27 | 25°39 | 17°16 | 3°59 | 7°48 | 10°37 | 11°15 | 12°16 | 27°34 | W 5 |
| T 6 | 7 34 33 | 24°22'00 | 1♊53 | 2°27 | 14°39 | 4°57 | 16°22 | 25°46 | 17°14 | 4° 0 | 7°48 | 10°32 | 11°12 | 12°22 | 27°39 | T 6 |
| F 7 | 7 38 30 | 25°23'01 | 16° 6 | 3°48 | 15°10 | 5°38 | 16°18 | 25°53 | 17°11 | 4° 1 | 7°48 | 10°25 | 11° 8 | 12°29 | 27°44 | F 7 |
| S 8 | 7 42 27 | 26°24'01 | 0♋48 | 5° 9 | 15°44 | 6°19 | 16°13 | 26° 0 | 17° 9 | 4° 2 | 7°47 | 10°15 | 11° 5 | 12°36 | 27°49 | S 8 |
| S 9 | 7 46 23 | 27°25'00 | 15°52 | 6°32 | 16°18 | 7° 0 | 16° 8 | 26° 8 | 17° 7 | 4° 3 | 7°47 | 10° 4 | 11° 2 | 12°42 | 27°54 | S 9 |
| M10 | 7 50 20 | 28°25'57 | 1♌ 9 | 7°55 | 16°54 | 7°41 | 16° 4 | 26°15 | 17° 4 | 4° 4 | 7°47 | 9°53 | 10°59 | 12°49 | 27°59 | M10 |
| T 11 | 7 54 16 | 29°26'54 | 16°27 | 9°20 | 17°32 | 8°23 | 16° 0 | 26°22 | 17° 2 | 4° 6 | 7°47 | 9°44 | 10°56 | 12°56 | 28° 4 | T 11 |
| W12 | 7 58 13 | 0♒27'50 | 1♍36 | 10°46 | 18°10 | 9° 4 | 15°56 | 26°29 | 16°59 | 4° 7 | 7°47 | 9°36 | 10°53 | 13° 2 | 28° 8 | W12 |
| T 13 | 8 2 9 | 1°28'45 | 16°27 | 12°12 | 18°50 | 9°45 | 15°52 | 26°36 | 16°57 | 4° 8 | 7°D47 | 9°32 | 10°49 | 13° 9 | 28°13 | T 13 |
| F 14 | 8 6 6 | 2°29'39 | 0♎53 | 13°39 | 19°31 | 10°26 | 15°49 | 26°43 | 16°54 | 4° 9 | 7°47 | 9°30 | 10°46 | 13°16 | 28°18 | F 14 |
| S 15 | 8 10 2 | 3°30'32 | 14°52 | 15° 7 | 20°13 | 11° 8 | 15°45 | 26°50 | 16°52 | 4°11 | 7°47 | 9°D30 | 10°43 | 13°23 | 28°23 | S 15 |
| S 16 | 8 13 59 | 4°31'25 | 28°24 | 16°36 | 20°56 | 11°49 | 15°42 | 26°58 | 16°49 | 4°12 | 7°47 | 9°R30 | 10°40 | 13°29 | 28°28 | S 16 |
| M17 | 8 17 56 | 5°32'17 | 11♏33 | 18° 6 | 21°41 | 12°30 | 15°39 | 27° 5 | 16°47 | 4°13 | 7°47 | 9°30 | 10°37 | 13°36 | 28°33 | M17 |
| T 18 | 8 21 52 | 6°33'07 | 24°21 | 19°37 | 22°26 | 13°12 | 15°36 | 27°12 | 16°44 | 4°15 | 7°47 | 9°29 | 10°33 | 13°43 | 28°38 | T 18 |
| W19 | 8 25 49 | 7°33'57 | 6♐52 | 21° 8 | 23°12 | 13°53 | 15°33 | 27°19 | 16°41 | 4°16 | 7°48 | 9°25 | 10°30 | 13°49 | 28°43 | W19 |
| T 20 | 8 29 45 | 8°34'46 | 19°10 | 22°40 | 23°59 | 14°34 | 15°31 | 27°26 | 16°39 | 4°18 | 7°48 | 9°18 | 10°27 | 13°56 | 28°47 | T 20 |
| F 21 | 8 33 42 | 9°35'34 | 1♑19 | 24°13 | 24°47 | 15°16 | 15°29 | 27°33 | 16°36 | 4°19 | 7°48 | 9° 9 | 10°24 | 14° 3 | 28°52 | F 21 |
| S 22 | 8 37 38 | 10°36'21 | 13°20 | 25°47 | 25°36 | 15°57 | 15°27 | 27°40 | 16°34 | 4°21 | 7°48 | 8°58 | 10°21 | 14°10 | 28°57 | S 22 |
| S 23 | 8 41 35 | 11°37'06 | 25°16 | 27°22 | 26°26 | 16°38 | 15°25 | 27°47 | 16°31 | 4°22 | 7°48 | 8°46 | 10°18 | 14°16 | 29° 2 | S 23 |
| M24 | 8 45 31 | 12°37'51 | 7♒ 9 | 28°57 | 27°16 | 17°20 | 15°23 | 27°54 | 16°28 | 4°24 | 7°49 | 8°34 | 10°14 | 14°23 | 29° 7 | M24 |
| T 25 | 8 49 28 | 13°38'33 | 19° 0 | 0♒33 | 28° 7 | 18° 1 | 15°22 | 28° 1 | 16°26 | 4°25 | 7°49 | 8°24 | 10°11 | 14°30 | 29°11 | T 25 |
| W26 | 8 53 25 | 14°39'14 | 0♓50 | 2°10 | 28°59 | 18°43 | 15°21 | 28° 8 | 16°23 | 4°27 | 7°49 | 8°16 | 10° 8 | 14°36 | 29°16 | W26 |
| T 27 | 8 57 21 | 15°39'54 | 12°41 | 3°48 | 29°52 | 19°24 | 15°20 | 28°15 | 16°21 | 4°28 | 7°49 | 8°10 | 10° 5 | 14°43 | 29°21 | T 27 |
| F 28 | 9 1 18 | 16°40'32 | 24°36 | 5°27 | 0♑45 | 20° 6 | 15°19 | 28°22 | 16°18 | 4°30 | 7°50 | 8° 6 | 10° 2 | 14°50 | 29°26 | F 28 |
| S 29 | 9 5 14 | 17°41'09 | 6♈37 | 7° 6 | 1°39 | 20°47 | 15°18 | 28°29 | 16°15 | 4°32 | 7°50 | 8°D 5 | 9°59 | 14°56 | 29°30 | S 29 |
| S 30 | 9 9 11 | 18°41'43 | 18°48 | 8°47 | 2°33 | 21°29 | 15°18 | 28°36 | 16°13 | 4°33 | 7°50 | 8° 6 | 9°55 | 15° 3 | 29°35 | S 30 |
| M31 | 9 13 7 | 19♒42'16 | 1♉13 | 10♒28 | 3♑28 | 22♐10 | 15♊18 | 28♑42 | 16♌10 | 4♈35 | 7♉51 | 8♈ 7 | 9♈52 | 15♒10 | 29♑40 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s 8 | 1s59 | 1s 8 | 22s36 | 0n52 | 17s 3 | 5n21 | 20s17 | 0n16 | 22n33 | 0s19 | 21s28 | 0s18 | 16n22 | 0n44 | 0n 7 | 1s35 | 0s31 | 15s29 | 4n14 | 4n33 | 21s34 | 14s28 | 6n27 |
| S 2 | 21 59 | 3n49 | 0 5 | 22 47 | 0 43 | 17 6 | 5 21 | 20 25 | 0 16 | 22 33 | 0 19 | 21 27 | 0 18 | 16 23 | 0 44 | 0 7 | 1 35 | 0 31 | 15 29 | 4 14 | 4 32 | 21 32 | 14 27 | 6 27 |
| M 3 | 21 50 | 9 37 | 1n 1 | 22 57 | 0 34 | 17 9 | 5 21 | 20 34 | 0 15 | 22 32 | 0 19 | 21 26 | 0 18 | 16 23 | 0 44 | 0 7 | 1 35 | 0 30 | 15 28 | 4 14 | 4 30 | 21 29 | 14 26 | 6 27 |
| T 4 | 21 40 | 15 11 | 2 5 | 23 6 | 0 25 | 17 12 | 5 21 | 20 43 | 0 14 | 22 32 | 0 19 | 21 25 | 0 19 | 16 24 | 0 44 | 0 8 | 1 35 | 0 30 | 15 28 | 4 14 | 4 29 | 21 27 | 14 25 | 6 27 |
| W 5 | 21 30 | 20 16 | 3 5 | 23 14 | 0 17 | 17 16 | 5 21 | 20 51 | 0 13 | 22 32 | 0 18 | 21 23 | 0 19 | 16 25 | 0 44 | 0 8 | 1 35 | 0 30 | 15 28 | 4 13 | 4 28 | 21 25 | 14 24 | 6 26 |
| T 6 | 21 19 | 24 28 | 3 56 | 23 22 | 0 8 | 17 20 | 5 20 | 20 59 | 0 13 | 22 31 | 0 18 | 21 22 | 0 19 | 16 26 | 0 44 | 0 9 | 1 35 | 0 30 | 15 27 | 4 11 | 4 27 | 21 22 | 14 23 | 6 26 |
| F 7 | 21 8 | 27 21 | 4 35 | 23 28 | 0 0 | 17 25 | 5 19 | 21 7 | 0 12 | 22 31 | 0 18 | 21 21 | 0 19 | 16 26 | 0 44 | 0 9 | 1 35 | 0 29 | 15 27 | 4 8 | 4 25 | 21 20 | 14 22 | 6 26 |
| S 8 | 20 57 | 28 29 | 4 57 | 23 33 | 0s 8 | 17 30 | 5 17 | 21 15 | 0 11 | 22 31 | 0 18 | 21 20 | 0 19 | 16 27 | 0 44 | 0 10 | 1 35 | 0 29 | 15 27 | 4 4 | 4 24 | 21 18 | 14 21 | 6 26 |
| S 9 | 20 45 | 27 32 | 5 0 | 23 37 | 0 16 | 17 35 | 5 16 | 21 23 | 0 11 | 22 30 | 0 18 | 21 18 | 0 19 | 16 28 | 0 44 | 0 10 | 1 35 | 0 29 | 15 26 | 4 0 | 4 23 | 21 15 | 14 20 | 6 26 |
| M10 | 20 33 | 24 33 | 4 41 | 23 41 | 0 23 | 17 40 | 5 14 | 21 30 | 0 10 | 22 30 | 0 17 | 21 17 | 0 19 | 16 29 | 0 44 | 0 11 | 1 35 | 0 29 | 15 26 | 3 56 | 4 22 | 21 13 | 14 19 | 6 26 |
| T 11 | 20 20 | 19 48 | 4 2 | 23 42 | 0 31 | 17 46 | 5 12 | 21 38 | 0 9 | 22 30 | 0 17 | 21 16 | 0 19 | 16 29 | 0 44 | 0 11 | 1 35 | 0 28 | 15 26 | 3 52 | 4 20 | 21 10 | 14 19 | 6 26 |
| W12 | 20 7 | 13 51 | 3 7 | 23 43 | 0 38 | 17 52 | 5 9 | 21 45 | 0 8 | 22 30 | 0 17 | 21 15 | 0 19 | 16 30 | 0 44 | 0 12 | 1 35 | 0 28 | 15 25 | 3 49 | 4 19 | 21 8 | 14 18 | 6 26 |
| T 13 | 19 54 | 7 12 | 1 59 | 23 43 | 0 45 | 17 57 | 5 7 | 21 52 | 0 8 | 22 29 | 0 17 | 21 13 | 0 19 | 16 31 | 0 44 | 0 12 | 1 34 | 0 28 | 15 25 | 3 47 | 4 18 | 21 6 | 14 17 | 6 26 |
| F 14 | 19 40 | 0 21 | 0 46 | 23 41 | 0 52 | 18 3 | 5 4 | 21 59 | 0 7 | 22 29 | 0 17 | 21 12 | 0 19 | 16 32 | 0 44 | 0 13 | 1 34 | 0 27 | 15 25 | 3 47 | 4 17 | 21 3 | 14 16 | 6 26 |
| S 15 | 19 26 | 6s19 | 0s29 | 23 38 | 0 58 | 18 9 | 5 1 | 22 5 | 0 6 | 22 29 | 0 17 | 21 11 | 0 19 | 16 32 | 0 44 | 0 13 | 1 34 | 0 27 | 15 24 | 3 47 | 4 15 | 21 1 | 14 15 | 6 26 |
| S 16 | 19 12 | 12 29 | 1 39 | 23 33 | 1 5 | 18 15 | 4 58 | 22 12 | 0 5 | 22 29 | 0 16 | 21 9 | 0 19 | 16 33 | 0 44 | 0 14 | 1 34 | 0 27 | 15 24 | 3 47 | 4 14 | 20 58 | 14 14 | 6 26 |
| M17 | 18 57 | 17 55 | 2 42 | 23 28 | 1 11 | 18 21 | 4 55 | 22 18 | 0 5 | 22 29 | 0 16 | 21 8 | 0 19 | 16 34 | 0 44 | 0 15 | 1 34 | 0 26 | 15 24 | 3 47 | 4 13 | 20 56 | 14 13 | 6 27 |
| T 18 | 18 42 | 22 24 | 3 35 | 23 21 | 1 16 | 18 27 | 4 51 | 22 24 | 0 4 | 22 29 | 0 16 | 21 7 | 0 20 | 16 35 | 0 44 | 0 15 | 1 34 | 0 26 | 15 23 | 3 46 | 4 12 | 20 54 | 14 12 | 6 27 |
| W19 | 18 27 | 25 45 | 4 17 | 23 12 | 1 22 | 18 33 | 4 48 | 22 30 | 0 3 | 22 28 | 0 16 | 21 5 | 0 20 | 16 36 | 0 44 | 0 16 | 1 34 | 0 26 | 15 23 | 3 44 | 4 10 | 20 51 | 14 11 | 6 27 |
| T 20 | 18 11 | 27 49 | 4 45 | 23 2 | 1 27 | 18 39 | 4 44 | 22 35 | 0 2 | 22 28 | 0 16 | 21 4 | 0 20 | 16 36 | 0 44 | 0 16 | 1 34 | 0 25 | 15 23 | 3 42 | 4 9 | 20 49 | 14 10 | 6 27 |
| F 21 | 17 55 | 28 32 | 5 1 | 22 51 | 1 32 | 18 45 | 4 40 | 22 41 | 0 1 | 22 28 | 0 15 | 21 3 | 0 20 | 16 37 | 0 44 | 0 17 | 1 34 | 0 25 | 15 22 | 3 38 | 4 8 | 20 46 | 14 9 | 6 27 |
| S 22 | 17 38 | 27 52 | 5 3 | 22 39 | 1 36 | 18 51 | 4 36 | 22 46 | 0 1 | 22 28 | 0 15 | 21 2 | 0 20 | 16 38 | 0 44 | 0 18 | 1 34 | 0 24 | 15 22 | 3 34 | 4 7 | 20 44 | 14 8 | 6 27 |
| S 23 | 17 22 | 25 56 | 4 51 | 22 25 | 1 41 | 18 56 | 4 32 | 22 51 | 0s 0 | 22 28 | 0 15 | 21 0 | 0 20 | 16 39 | 0 44 | 0 18 | 1 34 | 0 24 | 15 22 | 3 29 | 4 5 | 20 41 | 14 7 | 6 27 |
| M24 | 17 5 | 22 51 | 4 27 | 22 9 | 1 45 | 19 2 | 4 28 | 22 56 | 0 1 | 22 28 | 0 15 | 20 59 | 0 20 | 16 40 | 0 44 | 0 19 | 1 34 | 0 24 | 15 21 | 3 25 | 4 4 | 20 39 | 14 6 | 6 27 |
| T 25 | 16 47 | 18 51 | 3 52 | 21 52 | 1 48 | 19 7 | 4 24 | 23 1 | 0 2 | 22 28 | 0 15 | 20 58 | 0 20 | 16 40 | 0 44 | 0 20 | 1 34 | 0 23 | 15 21 | 3 21 | 4 3 | 20 36 | 14 5 | 6 27 |
| W26 | 16 30 | 14 7 | 3 6 | 21 34 | 1 52 | 19 12 | 4 19 | 23 5 | 0 3 | 22 28 | 0 15 | 20 56 | 0 20 | 16 41 | 0 44 | 0 20 | 1 34 | 0 23 | 15 21 | 3 17 | 4 2 | 20 34 | 14 4 | 6 27 |
| T 27 | 16 12 | 8 51 | 2 12 | 21 14 | 1 55 | 19 16 | 4 15 | 23 9 | 0 4 | 22 28 | 0 14 | 20 55 | 0 20 | 16 42 | 0 44 | 0 21 | 1 34 | 0 22 | 15 20 | 3 15 | 4 0 | 20 31 | 14 2 | 6 27 |
| F 28 | 15 54 | 3 15 | 1 12 | 20 52 | 1 58 | 19 21 | 4 10 | 23 14 | 0 4 | 22 28 | 0 14 | 20 54 | 0 20 | 16 43 | 0 44 | 0 22 | 1 34 | 0 22 | 15 20 | 3 14 | 3 59 | 20 29 | 14 1 | 6 27 |
| S 29 | 15 35 | 2n31 | 0 8 | 20 30 | 2 0 | 19 25 | 4 6 | 23 17 | 0 5 | 22 29 | 0 14 | 20 52 | 0 20 | 16 44 | 0 44 | 0 22 | 1 34 | 0 22 | 15 20 | 3 13 | 3 58 | 20 26 | 14 0 | 6 28 |
| S 30 | 15 16 | 8 17 | 0n57 | 20 5 | 2 2 | 19 29 | 4 1 | 23 21 | 0 6 | 22 29 | 0 14 | 20 51 | 0 21 | 16 44 | 0 44 | 0 23 | 1 34 | 0 21 | 15 19 | 3 13 | 3 57 | 20 24 | 13 59 | 6 28 |
| M31 | 14s58 | 13n50 | 2n 2 | 19s39 | 2s 3 | 19s33 | 3n56 | 23s24 | 0s 7 | 22n29 | 0s14 | 20s50 | 0s21 | 16n45 | 0n44 | 0n24 | 1s34 | 0s21 | 15s19 | 3n14 | 3n55 | 20s21 | 13s58 | 6n28 |

Julian Day Number = 2222546.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'40, Lahiri = 15°06'40 Julian Calendar 1 Jan. 1373 == Greg. Calendar 9 Jan. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## FEBRUARY 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 17 4 | 20♒42'47 | 13♉57 | 12♒10 | 4♏24 | 22♐52 | 15°D18 | 28♏49 | 16°R 7 | 4♈37 | 7♉51 | 8♈ 8 | 9♈49 | 15♒16 | 29♏44 | T 1 |
| W 2 | 9 21 0 | 21°43'16 | 27° 3 | 13°53 | 5°20 | 23°34 | 15♊18 | 28°56 | 16♌ 5 | 4°39 | 7°52 | 8°R 8 | 9°46 | 15°23 | 29°49 | W 2 |
| T 3 | 9 24 57 | 22°43'44 | 10♊35 | 15°37 | 6°17 | 24°15 | 15°18 | 29° 3 | 16° 2 | 4°40 | 7°52 | 8° 6 | 9°43 | 15°30 | 29°53 | T 3 |
| F 4 | 9 28 54 | 23°44'09 | 24°36 | 17°23 | 7°14 | 24°57 | 15°19 | 29°10 | 16° 0 | 4°42 | 7°52 | 8° 3 | 9°39 | 15°37 | 29°58 | F 4 |
| S 5 | 9 32 50 | 24°44'33 | 9♋ 5 | 19° 9 | 8°11 | 25°38 | 15°19 | 29°16 | 15°57 | 4°44 | 7°53 | 7°58 | 9°36 | 15°43 | 0♒ 3 | S 5 |
| S 6 | 9 36 47 | 25°44'54 | 23°58 | 20°55 | 9° 9 | 26°20 | 15°20 | 29°23 | 15°54 | 4°46 | 7°53 | 7°51 | 9°33 | 15°50 | 0° 7 | S 6 |
| M 7 | 9 40 43 | 26°45'14 | 9♌ 8 | 22°43 | 10° 8 | 27° 2 | 15°22 | 29°30 | 15°52 | 4°48 | 7°54 | 7°45 | 9°30 | 15°57 | 0°12 | M 7 |
| T 8 | 9 44 40 | 27°45'32 | 24°25 | 24°32 | 11° 7 | 27°43 | 15°23 | 29°36 | 15°49 | 4°50 | 7°55 | 7°39 | 9°27 | 16° 3 | 0°16 | T 8 |
| W 9 | 9 48 36 | 28°45'48 | 9♍39 | 26°22 | 12° 6 | 28°25 | 15°25 | 29°43 | 15°47 | 4°51 | 7°55 | 7°35 | 9°24 | 16°10 | 0°20 | W 9 |
| T 10 | 9 52 33 | 29°46'02 | 24°40 | 28°13 | 13° 6 | 29° 7 | 15°26 | 29°49 | 15°44 | 4°53 | 7°56 | 7°32 | 9°20 | 16°17 | 0°25 | T 10 |
| F 11 | 9 56 29 | 0♓46'14 | 9♎19 | 0♓ 5 | 14° 6 | 29°49 | 15°28 | 29°56 | 15°42 | 4°55 | 7°56 | 7°D32 | 9°17 | 16°23 | 0°29 | F 11 |
| S 12 | 10 0 26 | 1°46'25 | 23°31 | 1°57 | 15° 7 | 0♏30 | 15°30 | 0♒ 2 | 15°39 | 4°57 | 7°57 | 7°33 | 9°14 | 16°30 | 0°34 | S 12 |
| S 13 | 10 4 23 | 2°46'34 | 7♏16 | 3°51 | 16° 8 | 1°12 | 15°33 | 0° 9 | 15°37 | 4°59 | 7°58 | 7°34 | 9°11 | 16°37 | 0°38 | S 13 |
| M14 | 10 8 19 | 3°46'42 | 20°33 | 5°45 | 17° 9 | 1°54 | 15°35 | 0°15 | 15°34 | 5° 1 | 7°58 | 7°36 | 9° 8 | 16°44 | 0°42 | M14 |
| T 15 | 10 12 16 | 4°46'48 | 3♐26 | 7°41 | 18°11 | 2°36 | 15°38 | 0°21 | 15°32 | 5° 3 | 7°59 | 7°R36 | 9° 4 | 16°50 | 0°46 | T 15 |
| W16 | 10 16 12 | 5°46'53 | 15°59 | 9°36 | 19°13 | 3°18 | 15°41 | 0°28 | 15°29 | 5° 5 | 8° 0 | 7°36 | 9° 1 | 16°57 | 0°51 | W16 |
| T 17 | 10 20 9 | 6°46'56 | 28°15 | 11°33 | 20°15 | 3°59 | 15°44 | 0°34 | 15°27 | 5° 7 | 8° 0 | 7°34 | 8°58 | 17° 4 | 0°55 | T 17 |
| F 18 | 10 24 5 | 7°46'58 | 10♏20 | 13°29 | 21°17 | 4°41 | 15°47 | 0°40 | 15°25 | 5° 9 | 8° 1 | 7°30 | 8°55 | 17°10 | 0°59 | F 18 |
| S 19 | 10 28 2 | 8°46'57 | 22°16 | 15°27 | 22°20 | 5°23 | 15°51 | 0°46 | 15°22 | 5°11 | 8° 2 | 7°26 | 8°52 | 17°17 | 1° 3 | S 19 |
| S 20 | 10 31 58 | 9°46'55 | 4♒ 8 | 17°24 | 23°23 | 6° 5 | 15°55 | 0°52 | 15°20 | 5°14 | 8° 3 | 7°21 | 8°49 | 17°24 | 1° 7 | S 20 |
| M21 | 10 35 55 | 10°46'51 | 15°57 | 19°21 | 24°27 | 6°47 | 15°58 | 0°59 | 15°18 | 5°16 | 8° 3 | 7°16 | 8°45 | 17°30 | 1°11 | M21 |
| T 22 | 10 39 52 | 11°46'45 | 27°47 | 21°17 | 25°30 | 7°29 | 16° 2 | 1° 5 | 15°15 | 5°18 | 8° 4 | 7°12 | 8°42 | 17°37 | 1°15 | T 22 |
| W23 | 10 43 48 | 12°46'38 | 9♓40 | 23°13 | 26°34 | 8°11 | 16° 7 | 1°11 | 15°13 | 5°20 | 8° 5 | 7° 8 | 8°39 | 17°44 | 1°19 | W23 |
| T 24 | 10 47 45 | 13°46'28 | 21°38 | 25° 8 | 27°39 | 8°53 | 16°11 | 1°16 | 15°11 | 5°22 | 8° 6 | 7° 6 | 8°36 | 17°50 | 1°23 | T 24 |
| F 25 | 10 51 41 | 14°46'16 | 3♈42 | 27° 2 | 28°43 | 9°35 | 16°15 | 1°22 | 15° 9 | 5°24 | 8° 7 | 7°D 5 | 8°33 | 17°57 | 1°27 | F 25 |
| S 26 | 10 55 38 | 15°46'02 | 15°54 | 28°54 | 29°48 | 10°16 | 16°20 | 1°28 | 15° 7 | 5°26 | 8° 8 | 7° 5 | 8°30 | 18° 4 | 1°31 | S 26 |
| S 27 | 10 59 34 | 16°45'46 | 28°16 | 0♈43 | 0♒52 | 10°58 | 16°25 | 1°34 | 15° 4 | 5°28 | 8° 9 | 7° 6 | 8°26 | 18°11 | 1°35 | S 27 |
| M28 | 11 3 31 | 17♓45'28 | 10♉51 | 2♈30 | 1♒57 | 11♏40 | 16♊30 | 1♒40 | 15♌ 2 | 5♈31 | 8♉ 9 | 7♈ 8 | 8♈23 | 18♒17 | 1♒38 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s38 | 18n58 | 3n 1 | 19s12 | 2s 5 | 19s36 | 3n51 | 23s28 | 0s 8 | 22n29 | 0s14 | 20s48 | 0s21 | 16n46 | 0n44 | 0n24 | 1s34 | 0s20 | 15s19 | 3n14 | 3n54 | 20s19 | 13s57 | 6n28 |
| W 2 | 14 19 | 23 21 | 3 53 | 18 43 | 2 5 | 19 39 | 3 46 | 23 31 | 0 9 | 22 29 | 0 13 | 20 47 | 0 21 | 16 47 | 0 44 | 0 25 | 1 34 | 0 20 | 15 18 | 3 14 | 3 53 | 20 16 | 13 56 | 6 28 |
| T 3 | 13 59 | 26 38 | 4 34 | 18 12 | 2 6 | 19 41 | 3 41 | 23 34 | 0 10 | 22 29 | 0 13 | 20 46 | 0 21 | 16 48 | 0 44 | 0 26 | 1 34 | 0 19 | 15 18 | 3 14 | 3 52 | 20 14 | 13 55 | 6 28 |
| F 4 | 13 39 | 28 25 | 5 1 | 17 40 | 2 6 | 19 43 | 3 36 | 23 36 | 0 11 | 22 30 | 0 13 | 20 44 | 0 21 | 16 48 | 0 44 | 0 27 | 1 34 | 0 19 | 15 18 | 3 12 | 3 50 | 20 11 | 13 54 | 6 28 |
| S 5 | 13 19 | 28 21 | 5 9 | 17 7 | 2 5 | 19 45 | 3 31 | 23 39 | 0 11 | 22 30 | 0 13 | 20 43 | 0 21 | 16 49 | 0 44 | 0 27 | 1 34 | 0 18 | 15 17 | 3 10 | 3 49 | 20 9 | 13 53 | 6 29 |
| S 6 | 12 59 | 26 16 | 4 57 | 16 32 | 2 4 | 19 47 | 3 26 | 23 41 | 0 12 | 22 30 | 0 13 | 20 42 | 0 21 | 16 50 | 0 44 | 0 28 | 1 34 | 0 18 | 15 17 | 3 8 | 3 48 | 20 6 | 13 52 | 6 29 |
| M 7 | 12 38 | 22 17 | 4 24 | 15 55 | 2 3 | 19 48 | 3 21 | 23 43 | 0 13 | 22 30 | 0 13 | 20 40 | 0 21 | 16 51 | 0 44 | 0 29 | 1 34 | 0 18 | 15 17 | 3 5 | 3 47 | 20 4 | 13 51 | 6 29 |
| T 8 | 12 18 | 16 46 | 3 33 | 15 17 | 2 1 | 19 48 | 3 16 | 23 44 | 0 14 | 22 31 | 0 12 | 20 39 | 0 21 | 16 51 | 0 44 | 0 30 | 1 34 | 0 17 | 15 16 | 3 3 | 3 45 | 20 1 | 13 49 | 6 29 |
| W 9 | 11 57 | 10 13 | 2 26 | 14 37 | 1 58 | 19 49 | 3 10 | 23 46 | 0 15 | 22 31 | 0 12 | 20 38 | 0 21 | 16 52 | 0 44 | 0 30 | 1 34 | 0 17 | 15 16 | 3 1 | 3 44 | 19 59 | 13 48 | 6 29 |
| T 10 | 11 36 | 3 11 | 1 9 | 13 56 | 1 55 | 19 48 | 3 5 | 23 47 | 0 16 | 22 32 | 0 12 | 20 37 | 0 21 | 16 53 | 0 44 | 0 31 | 1 33 | 0 16 | 15 16 | 3 0 | 3 43 | 19 56 | 13 47 | 6 30 |
| F 11 | 11 14 | 3s51 | 0s10 | 13 14 | 1 52 | 19 48 | 3 0 | 23 48 | 0 17 | 22 32 | 0 12 | 20 35 | 0 22 | 16 54 | 0 44 | 0 32 | 1 33 | 0 16 | 15 15 | 3 0 | 3 42 | 19 54 | 13 46 | 6 30 |
| S 12 | 10 53 | 10 30 | 1 26 | 12 29 | 1 48 | 19 46 | 2 55 | 23 49 | 0 18 | 22 32 | 0 12 | 20 34 | 0 22 | 16 54 | 0 44 | 0 33 | 1 33 | 0 15 | 15 15 | 3 0 | 3 40 | 19 51 | 13 45 | 6 30 |
| S 13 | 10 31 | 16 25 | 2 35 | 11 44 | 1 43 | 19 45 | 2 49 | 23 50 | 0 19 | 22 33 | 0 12 | 20 33 | 0 22 | 16 55 | 0 44 | 0 34 | 1 33 | 0 15 | 15 15 | 3 1 | 3 39 | 19 48 | 13 44 | 6 30 |
| M14 | 10 9 | 21 22 | 3 33 | 10 57 | 1 38 | 19 43 | 2 44 | 23 51 | 0 20 | 22 33 | 0 11 | 20 31 | 0 22 | 16 56 | 0 44 | 0 34 | 1 33 | 0 14 | 15 14 | 3 1 | 3 38 | 19 46 | 13 43 | 6 30 |
| T 15 | 9 47 | 25 9 | 4 19 | 10 9 | 1 32 | 19 40 | 2 38 | 23 51 | 0 21 | 22 34 | 0 11 | 20 30 | 0 22 | 16 57 | 0 44 | 0 35 | 1 33 | 0 14 | 15 14 | 3 2 | 3 37 | 19 43 | 13 42 | 6 31 |
| W16 | 9 25 | 27 36 | 4 51 | 9 19 | 1 26 | 19 37 | 2 33 | 23 51 | 0 22 | 22 34 | 0 11 | 20 29 | 0 22 | 16 57 | 0 44 | 0 36 | 1 33 | 0 13 | 15 14 | 3 1 | 3 35 | 19 41 | 13 41 | 6 31 |
| T 17 | 9 3 | 28 39 | 5 8 | 8 29 | 1 19 | 19 33 | 2 28 | 23 51 | 0 23 | 22 35 | 0 11 | 20 28 | 0 22 | 16 58 | 0 44 | 0 37 | 1 33 | 0 13 | 15 14 | 3 1 | 3 34 | 19 38 | 13 39 | 6 31 |
| F 18 | 8 41 | 28 18 | 5 12 | 7 37 | 1 12 | 19 29 | 2 22 | 23 50 | 0 24 | 22 35 | 0 11 | 20 26 | 0 22 | 16 59 | 0 44 | 0 38 | 1 33 | 0 12 | 15 13 | 2 59 | 3 33 | 19 36 | 13 38 | 6 31 |
| S 19 | 8 18 | 26 39 | 5 2 | 6 44 | 1 3 | 19 25 | 2 17 | 23 50 | 0 25 | 22 36 | 0 11 | 20 25 | 0 22 | 16 59 | 0 44 | 0 39 | 1 33 | 0 12 | 15 13 | 2 58 | 3 32 | 19 33 | 13 37 | 6 32 |
| S 20 | 7 56 | 23 49 | 4 39 | 5 50 | 0 55 | 19 20 | 2 12 | 23 49 | 0 26 | 22 36 | 0 10 | 20 24 | 0 22 | 17 0 | 0 44 | 0 39 | 1 33 | 0 11 | 15 13 | 2 56 | 3 30 | 19 30 | 13 36 | 6 32 |
| M21 | 7 33 | 20 0 | 4 5 | 4 56 | 0 45 | 19 14 | 2 6 | 23 48 | 0 27 | 22 37 | 0 10 | 20 23 | 0 22 | 17 1 | 0 44 | 0 40 | 1 33 | 0 11 | 15 12 | 2 54 | 3 29 | 19 28 | 13 35 | 6 32 |
| T 22 | 7 10 | 15 24 | 3 19 | 4 1 | 0 36 | 19 8 | 2 1 | 23 47 | 0 28 | 22 37 | 0 10 | 20 21 | 0 23 | 17 1 | 0 44 | 0 41 | 1 33 | 0 10 | 15 12 | 2 52 | 3 28 | 19 25 | 13 34 | 6 32 |
| W23 | 6 47 | 10 12 | 2 25 | 3 5 | 0 25 | 19 1 | 1 56 | 23 45 | 0 29 | 22 38 | 0 10 | 20 20 | 0 23 | 17 2 | 0 44 | 0 42 | 1 33 | 0 10 | 15 12 | 2 50 | 3 27 | 19 22 | 13 33 | 6 33 |
| T 24 | 6 24 | 4 37 | 1 24 | 2 10 | 0 14 | 18 54 | 1 50 | 23 44 | 0 30 | 22 38 | 0 10 | 20 19 | 0 23 | 17 3 | 0 44 | 0 43 | 1 33 | 0 9 | 15 12 | 2 50 | 3 25 | 19 20 | 13 32 | 6 33 |
| F 25 | 6 1 | 1n11 | 0 19 | 1 14 | 0 3 | 18 47 | 1 45 | 23 42 | 0 31 | 22 39 | 0 10 | 20 18 | 0 23 | 17 3 | 0 44 | 0 44 | 1 33 | 0 9 | 15 11 | 2 49 | 3 24 | 19 17 | 13 31 | 6 33 |
| S 26 | 5 38 | 7 1 | 0n48 | 0 18 | 0n 9 | 18 39 | 1 40 | 23 40 | 0 32 | 22 40 | 0 10 | 20 17 | 0 23 | 17 4 | 0 44 | 0 45 | 1 33 | 0 8 | 15 11 | 2 49 | 3 23 | 19 15 | 13 29 | 6 34 |
| S 27 | 5 15 | 12 40 | 1 54 | 0n36 | 0 21 | 18 30 | 1 34 | 23 37 | 0 33 | 22 40 | 0 9 | 20 15 | 0 23 | 17 5 | 0 44 | 0 45 | 1 33 | 0 7 | 15 11 | 2 50 | 3 21 | 19 12 | 13 28 | 6 34 |
| M28 | 4s51 | 17n55 | 2n56 | 1n30 | 0n33 | 18s21 | 1n29 | 23s35 | 0s35 | 22n41 | 0s 9 | 20s14 | 0s23 | 17n 5 | 0n44 | 0n46 | 1s33 | 0s 7 | 15s10 | 2n50 | 3n20 | 19s 9 | 13s27 | 6n34 |

Julian Day Number = 2222577.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'44, Lahiri = 15°06'44 Julian Calendar 1 Feb. 1373 == Greg. Calendar 9 Feb. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## MARCH 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 7 27 | 18♓45'07 | 23♉42 | 4♈14 | 3♒ 3 | 12♋22 | 16♊35 | 1♒45 | 15°R 0 | 5♈33 | 8♉10 | 7♈ 9 | 8♈20 | 18♒24 | 1♒42 | T 1 |
| W 2 | 11 11 24 | 19°44'45 | 6♊50 | 5°54 | 4° 8 | 13° 4 | 16°41 | 1°51 | 14♌58 | 5°35 | 8°11 | 7°10 | 8°17 | 18°31 | 1°46 | W 2 |
| T 3 | 11 15 21 | 20°44'20 | 20°20 | 7°31 | 5°14 | 13°46 | 16°46 | 1°56 | 14°56 | 5°37 | 8°12 | 7°R11 | 8°14 | 18°37 | 1°49 | T 3 |
| F 4 | 11 19 17 | 21°43'52 | 4♋10 | 9° 2 | 6°20 | 14°28 | 16°52 | 2° 2 | 14°54 | 5°39 | 8°13 | 7°10 | 8°10 | 18°44 | 1°53 | F 4 |
| S 5 | 11 23 14 | 22°43'23 | 18°23 | 10°29 | 7°26 | 15°10 | 16°58 | 2° 7 | 14°52 | 5°42 | 8°14 | 7° 9 | 8° 7 | 18°51 | 1°56 | S 5 |
| S 6 | 11 27 10 | 23°42'51 | 2♌57 | 11°51 | 8°32 | 15°52 | 17° 4 | 2°12 | 14°50 | 5°44 | 8°15 | 7° 8 | 8° 4 | 18°57 | 2° 0 | S 6 |
| M 7 | 11 31 7 | 24°42'16 | 17°45 | 13° 6 | 9°38 | 16°34 | 17°10 | 2°18 | 14°49 | 5°46 | 8°16 | 7° 6 | 8° 1 | 19° 4 | 2° 3 | M 7 |
| T 8 | 11 35 3 | 25°41'40 | 2♍44 | 14°16 | 10°45 | 17°16 | 17°16 | 2°23 | 14°47 | 5°48 | 8°17 | 7° 5 | 7°58 | 19°11 | 2° 7 | T 8 |
| W 9 | 11 39 0 | 26°41'01 | 17°44 | 15°19 | 11°51 | 17°58 | 17°23 | 2°28 | 14°45 | 5°51 | 8°18 | 7° 4 | 7°55 | 19°17 | 2°10 | W 9 |
| T 10 | 11 42 56 | 27°40'19 | 2♎36 | 16°16 | 12°58 | 18°40 | 17°30 | 2°33 | 14°43 | 5°53 | 8°19 | 7°D 3 | 7°51 | 19°24 | 2°13 | T 10 |
| F 11 | 11 46 53 | 28°39'36 | 17°13 | 17° 5 | 14° 5 | 19°22 | 17°36 | 2°38 | 14°42 | 5°55 | 8°20 | 7° 4 | 7°48 | 19°31 | 2°17 | F 11 |
| S 12 | 11 50 50 | 29°38'51 | 1♏30 | 17°48 | 15°12 | 20° 4 | 17°43 | 2°43 | 14°40 | 5°57 | 8°22 | 7° 4 | 7°45 | 19°38 | 2°20 | S 12 |
| S 13 | 11 54 46 | 0♈38'04 | 15°22 | 18°24 | 16°19 | 20°46 | 17°50 | 2°48 | 14°38 | 6° 0 | 8°23 | 7° 5 | 7°42 | 19°44 | 2°23 | S 13 |
| M14 | 11 58 43 | 1°37'15 | 28°47 | 18°52 | 17°27 | 21°28 | 17°58 | 2°53 | 14°37 | 6° 2 | 8°24 | 7° 5 | 7°39 | 19°51 | 2°26 | M14 |
| T 15 | 12 2 39 | 2°36'25 | 11♐48 | 19°13 | 18°34 | 22°10 | 18° 5 | 2°58 | 14°35 | 6° 4 | 8°25 | 7° 6 | 7°36 | 19°58 | 2°29 | T 15 |
| W16 | 12 6 36 | 3°35'32 | 24°26 | 19°27 | 19°42 | 22°52 | 18°13 | 3° 2 | 14°34 | 6° 6 | 8°26 | 7° 6 | 7°32 | 20° 4 | 2°32 | W16 |
| T 17 | 12 10 32 | 4°34'38 | 6♋46 | 19°R33 | 20°50 | 23°34 | 18°20 | 3° 7 | 14°33 | 6° 9 | 8°27 | 7°R 6 | 7°29 | 20°11 | 2°35 | T 17 |
| F 18 | 12 14 29 | 5°33'42 | 18°52 | 19°33 | 21°58 | 24°17 | 18°28 | 3°11 | 14°31 | 6°11 | 8°28 | 7° 6 | 7°26 | 20°18 | 2°38 | F 18 |
| S 19 | 12 18 25 | 6°32'45 | 0♒48 | 19°26 | 23° 6 | 24°59 | 18°36 | 3°16 | 14°30 | 6°13 | 8°30 | 7° 6 | 7°23 | 20°24 | 2°40 | S 19 |
| S 20 | 12 22 22 | 7°31'45 | 12°38 | 19°12 | 24°14 | 25°41 | 18°44 | 3°20 | 14°29 | 6°15 | 8°31 | 7°D 6 | 7°20 | 20°31 | 2°43 | S 20 |
| M21 | 12 26 19 | 8°30'43 | 24°28 | 18°52 | 25°22 | 26°23 | 18°52 | 3°25 | 14°27 | 6°18 | 8°32 | 7° 6 | 7°16 | 20°38 | 2°46 | M21 |
| T 22 | 12 30 15 | 9°29'40 | 6♓20 | 18°27 | 26°31 | 27° 5 | 19° 1 | 3°29 | 14°26 | 6°20 | 8°33 | 7° 6 | 7°13 | 20°44 | 2°48 | T 22 |
| W23 | 12 34 12 | 10°28'35 | 18°17 | 17°57 | 27°39 | 27°47 | 19° 9 | 3°33 | 14°25 | 6°22 | 8°34 | 7° 6 | 7°10 | 20°51 | 2°51 | W23 |
| T 24 | 12 38 8 | 11°27'27 | 0♈23 | 17°22 | 28°48 | 28°29 | 19°18 | 3°37 | 14°24 | 6°25 | 8°36 | 7° 7 | 7° 7 | 20°58 | 2°53 | T 24 |
| F 25 | 12 42 5 | 12°26'18 | 12°39 | 16°44 | 29°57 | 29°11 | 19°26 | 3°41 | 14°23 | 6°27 | 8°37 | 7°R 7 | 7° 4 | 21° 4 | 2°56 | F 25 |
| S 26 | 12 46 1 | 13°25'07 | 25° 7 | 16° 3 | 1♓ 5 | 29°53 | 19°35 | 3°45 | 14°22 | 6°29 | 8°38 | 7° 6 | 7° 1 | 21°11 | 2°58 | S 26 |
| S 27 | 12 49 58 | 14°23'54 | 7♉48 | 15°21 | 2°14 | 0♒35 | 19°44 | 3°49 | 14°21 | 6°31 | 8°39 | 7° 6 | 6°57 | 21°18 | 3° 1 | S 27 |
| M28 | 12 53 54 | 15°22'38 | 20°42 | 14°37 | 3°23 | 1°17 | 19°53 | 3°52 | 14°20 | 6°34 | 8°40 | 7° 5 | 6°54 | 21°24 | 3° 3 | M28 |
| T 29 | 12 57 51 | 16°21'21 | 3♊50 | 13°52 | 4°32 | 1°59 | 20° 2 | 3°56 | 14°19 | 6°36 | 8°42 | 7° 4 | 6°51 | 21°31 | 3° 5 | T 29 |
| W30 | 13 1 47 | 17°20'01 | 17°12 | 13° 8 | 5°41 | 2°41 | 20°11 | 4° 0 | 14°18 | 6°38 | 8°43 | 7° 2 | 6°48 | 21°38 | 3° 7 | W30 |
| T 31 | 13 5 44 | 18♈18'39 | 0♋49 | 12♈26 | 6♓51 | 3♒23 | 20♊21 | 4♒ 3 | 14♌18 | 6♈40 | 8♉44 | 7♈ 2 | 6♈45 | 21♒45 | 3♒ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s28 | 22n28 | 3n50 | 2n23 | 0n46 | 18s11 | 1n24 | 23s32 | 0s36 | 22n42 | 0s 9 | 20s13 | 0s23 | 17n 6 | 0n44 | 0n47 | 1s33 | 0s 6 | 15s10 | 2n51 | 3n19 | 19s 7 | 13s26 | 6n34 |
| W 2 | 4 4 | 26 1 | 4 33 | 3 15 | 0 59 | 18 1 | 1 19 | 23 29 | 0 37 | 22 42 | 0 9 | 20 12 | 0 23 | 17 6 | 0 44 | 0 48 | 1 33 | 0 6 | 15 10 | 2 51 | 3 18 | 19 4 | 13 25 | 6 35 |
| T 3 | 3 41 | 28 12 | 5 3 | 4 5 | 1 11 | 17 50 | 1 14 | 23 26 | 0 38 | 22 43 | 0 9 | 20 11 | 0 23 | 17 7 | 0 44 | 0 49 | 1 33 | 0 5 | 15 10 | 2 52 | 3 16 | 19 1 | 13 24 | 6 35 |
| F 4 | 3 17 | 28 43 | 5 16 | 4 53 | 1 24 | 17 39 | 1 9 | 23 23 | 0 39 | 22 44 | 0 9 | 20 10 | 0 24 | 17 7 | 0 44 | 0 50 | 1 33 | 0 5 | 15 9 | 2 51 | 3 15 | 18 59 | 13 23 | 6 35 |
| S 5 | 2 54 | 27 22 | 5 10 | 5 39 | 1 37 | 17 27 | 1 4 | 23 19 | 0 40 | 22 44 | 0 9 | 20 8 | 0 24 | 17 8 | 0 44 | 0 51 | 1 33 | 0 4 | 15 9 | 2 51 | 3 14 | 18 56 | 13 22 | 6 36 |
| S 6 | 2 30 | 24 11 | 4 45 | 6 22 | 1 49 | 17 15 | 0 59 | 23 15 | 0 41 | 22 45 | 0 8 | 20 7 | 0 24 | 17 8 | 0 44 | 0 52 | 1 33 | 0 4 | 15 9 | 2 50 | 3 13 | 18 53 | 13 21 | 6 36 |
| M 7 | 2 7 | 19 22 | 4 0 | 7 3 | 2 1 | 17 2 | 0 54 | 23 11 | 0 42 | 22 46 | 0 8 | 20 6 | 0 24 | 17 9 | 0 44 | 0 53 | 1 33 | 0 3 | 15 9 | 2 50 | 3 11 | 18 51 | 13 20 | 6 36 |
| T 8 | 1 43 | 13 19 | 2 59 | 7 41 | 2 13 | 16 49 | 0 49 | 23 7 | 0 43 | 22 47 | 0 8 | 20 5 | 0 24 | 17 10 | 0 44 | 0 53 | 1 33 | 0 3 | 15 9 | 2 49 | 3 10 | 18 48 | 13 19 | 6 37 |
| W 9 | 1 19 | 6 29 | 1 45 | 8 15 | 2 23 | 16 36 | 0 44 | 23 3 | 0 45 | 22 47 | 0 8 | 20 4 | 0 24 | 17 10 | 0 44 | 0 54 | 1 33 | 0 2 | 15 8 | 2 49 | 3 9 | 18 45 | 13 18 | 6 37 |
| T 10 | 0 56 | 0s40 | 0 25 | 8 47 | 2 34 | 16 22 | 0 39 | 22 58 | 0 46 | 22 48 | 0 8 | 20 3 | 0 24 | 17 11 | 0 44 | 0 55 | 1 33 | 0 2 | 15 8 | 2 49 | 3 8 | 18 43 | 13 16 | 6 37 |
| F 11 | 0 32 | 7 39 | 0s56 | 9 15 | 2 43 | 16 7 | 0 34 | 22 54 | 0 47 | 22 49 | 0 8 | 20 2 | 0 24 | 17 11 | 0 44 | 0 56 | 1 33 | 0 1 | 15 8 | 2 49 | 3 6 | 18 40 | 13 15 | 6 38 |
| S 12 | 0 8 | 14 5 | 2 11 | 9 39 | 2 52 | 15 52 | 0 29 | 22 49 | 0 48 | 22 50 | 0 8 | 20 1 | 0 24 | 17 11 | 0 44 | 0 57 | 1 33 | 0 1 | 15 8 | 2 49 | 3 5 | 18 37 | 13 14 | 6 38 |
| S 13 | 0n15 | 19 38 | 3 17 | 10 0 | 2 59 | 15 36 | 0 25 | 22 43 | 0 49 | 22 51 | 0 7 | 20 0 | 0 25 | 17 12 | 0 44 | 0 58 | 1 33 | 0 0 | 15 7 | 2 49 | 3 4 | 18 35 | 13 13 | 6 39 |
| M14 | 0 39 | 24 1 | 4 9 | 10 17 | 3 6 | 15 20 | 0 20 | 22 38 | 0 51 | 22 51 | 0 7 | 19 59 | 0 25 | 17 12 | 0 44 | 0 59 | 1 33 | 0n 1 | 15 7 | 2 49 | 3 3 | 18 32 | 13 12 | 6 39 |
| T 15 | 1 2 | 27 1 | 4 47 | 10 30 | 3 11 | 15 4 | 0 16 | 22 33 | 0 52 | 22 52 | 0 7 | 19 58 | 0 25 | 17 13 | 0 44 | 1 0 | 1 33 | 0 1 | 15 7 | 2 50 | 3 1 | 18 29 | 13 11 | 6 39 |
| W16 | 1 26 | 28 34 | 5 10 | 10 39 | 3 15 | 14 47 | 0 11 | 22 27 | 0 53 | 22 53 | 0 7 | 19 57 | 0 25 | 17 13 | 0 44 | 1 1 | 1 33 | 0 2 | 15 7 | 2 50 | 3 0 | 18 26 | 13 10 | 6 40 |
| T 17 | 1 50 | 28 38 | 5 17 | 10 44 | 3 18 | 14 30 | 0 7 | 22 21 | 0 54 | 22 54 | 0 7 | 19 56 | 0 25 | 17 14 | 0 44 | 1 1 | 1 33 | 0 2 | 15 7 | 2 50 | 2 59 | 18 24 | 13 9 | 6 40 |
| F 18 | 2 13 | 27 19 | 5 11 | 10 45 | 3 19 | 14 12 | 0 2 | 22 15 | 0 55 | 22 55 | 0 7 | 19 55 | 0 25 | 17 14 | 0 44 | 1 2 | 1 33 | 0 3 | 15 6 | 2 50 | 2 58 | 18 21 | 13 8 | 6 41 |
| S 19 | 2 36 | 24 47 | 4 51 | 10 42 | 3 19 | 13 54 | 0s 2 | 22 8 | 0 57 | 22 55 | 0 7 | 19 54 | 0 25 | 17 14 | 0 44 | 1 3 | 1 33 | 0 3 | 15 6 | 2 50 | 2 56 | 18 18 | 13 7 | 6 41 |
| S 20 | 3 0 | 21 12 | 4 18 | 10 35 | 3 17 | 13 35 | 0 6 | 22 2 | 0 58 | 22 56 | 0 6 | 19 53 | 0 25 | 17 15 | 0 44 | 1 4 | 1 33 | 0 4 | 15 6 | 2 50 | 2 55 | 18 16 | 13 6 | 6 41 |
| M21 | 3 23 | 16 48 | 3 35 | 10 24 | 3 14 | 13 16 | 0 10 | 21 55 | 0 59 | 22 57 | 0 6 | 19 52 | 0 25 | 17 15 | 0 44 | 1 5 | 1 33 | 0 4 | 15 6 | 2 50 | 2 54 | 18 13 | 13 5 | 6 42 |
| T 22 | 3 46 | 11 44 | 2 43 | 10 10 | 3 9 | 12 57 | 0 14 | 21 48 | 1 0 | 22 58 | 0 6 | 19 52 | 0 26 | 17 15 | 0 44 | 1 6 | 1 33 | 0 5 | 15 6 | 2 50 | 2 53 | 18 10 | 13 4 | 6 42 |
| W23 | 4 10 | 6 13 | 1 43 | 9 52 | 3 2 | 12 37 | 0 18 | 21 41 | 1 2 | 22 59 | 0 6 | 19 51 | 0 26 | 17 16 | 0 44 | 1 7 | 1 33 | 0 5 | 15 5 | 2 50 | 2 51 | 18 7 | 13 3 | 6 43 |
| T 24 | 4 33 | 0 25 | 0 37 | 9 32 | 2 54 | 12 17 | 0 22 | 21 34 | 1 3 | 22 59 | 0 6 | 19 50 | 0 26 | 17 16 | 0 44 | 1 8 | 1 33 | 0 6 | 15 5 | 2 50 | 2 50 | 18 5 | 13 2 | 6 43 |
| F 25 | 4 56 | 5n29 | 0n31 | 9 8 | 2 45 | 11 56 | 0 26 | 21 26 | 1 4 | 23 0 | 0 6 | 19 49 | 0 26 | 17 16 | 0 44 | 1 9 | 1 33 | 0 6 | 15 5 | 2 50 | 2 49 | 18 2 | 13 1 | 6 43 |
| S 26 | 5 19 | 11 17 | 1 38 | 8 42 | 2 34 | 11 35 | 0 30 | 21 19 | 1 5 | 23 1 | 0 6 | 19 48 | 0 26 | 17 16 | 0 44 | 1 10 | 1 33 | 0 7 | 15 5 | 2 50 | 2 48 | 17 59 | 13 0 | 6 44 |
| S 27 | 5 42 | 16 43 | 2 42 | 8 14 | 2 21 | 11 14 | 0 34 | 21 11 | 1 7 | 23 2 | 0 6 | 19 47 | 0 26 | 17 17 | 0 44 | 1 10 | 1 33 | 0 7 | 15 5 | 2 50 | 2 46 | 17 56 | 13 0 | 6 44 |
| M28 | 6 5 | 21 30 | 3 39 | 7 45 | 2 8 | 10 53 | 0 37 | 21 3 | 1 8 | 23 3 | 0 5 | 19 47 | 0 26 | 17 17 | 0 43 | 1 11 | 1 33 | 0 8 | 15 5 | 2 49 | 2 45 | 17 53 | 12 59 | 6 45 |
| T 29 | 6 27 | 25 20 | 4 25 | 7 14 | 1 54 | 10 31 | 0 41 | 20 55 | 1 9 | 23 4 | 0 5 | 19 46 | 0 26 | 17 17 | 0 43 | 1 12 | 1 33 | 0 8 | 15 5 | 2 49 | 2 44 | 17 51 | 12 58 | 6 45 |
| W30 | 6 50 | 27 51 | 4 58 | 6 43 | 1 38 | 10 9 | 0 44 | 20 46 | 1 11 | 23 4 | 0 5 | 19 45 | 0 26 | 17 17 | 0 43 | 1 13 | 1 33 | 0 9 | 15 4 | 2 48 | 2 42 | 17 48 | 12 57 | 6 46 |
| T 31 | 7n12 | 28n46 | 5n15 | 6n12 | 1n23 | 9s46 | 0s48 | 20s38 | 1s12 | 23n 5 | 0s 5 | 19s44 | 0s27 | 17n17 | 0n43 | 1n14 | 1s33 | 0n 9 | 15s 4 | 2n48 | 2n41 | 17s45 | 12s56 | 6n46 |

Julian Day Number = 2222605.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'48, Lahiri = 15°06'48 Julian Calendar 1 March 1373 == Greg. Calendar 9 March 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## APRIL 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 9 41 | 19♈17'15 | 14♋40 | 11°R45 | 8♓ 0 | 4♒ 5 | 20♊30 | 4♒ 7 | 14°R17 | 6♈43 | 8♉46 | 7°D 1 | 6♈41 | 21♒51 | 3♒11 | F 1 |
| S 2 | 13 13 37 | 20°15'49 | 28°44 | 11♈ 7 | 9° 9 | 4°47 | 20°40 | 4°10 | 14♌16 | 6°45 | 8°47 | 7♈ 1 | 6°38 | 21°58 | 3°13 | S 2 |
| S 3 | 13 17 34 | 21°14'20 | 13♌ 1 | 10°33 | 10°19 | 5°29 | 20°50 | 4°13 | 14°16 | 6°47 | 8°48 | 7° 2 | 6°35 | 22° 5 | 3°15 | S 3 |
| M 4 | 13 21 30 | 22°12'49 | 27°27 | 10° 2 | 11°28 | 6°11 | 21° 0 | 4°16 | 14°15 | 6°49 | 8°49 | 7° 3 | 6°32 | 22°11 | 3°17 | M 4 |
| T 5 | 13 25 27 | 23°11'16 | 12♍ 0 | 9°35 | 12°38 | 6°53 | 21° 9 | 4°19 | 14°15 | 6°51 | 8°51 | 7° 4 | 6°29 | 22°18 | 3°19 | T 5 |
| W 6 | 13 29 23 | 24° 9'41 | 26°34 | 9°13 | 13°47 | 7°34 | 21°19 | 4°22 | 14°14 | 6°54 | 8°52 | 7° 5 | 6°26 | 22°25 | 3°20 | W 6 |
| T 7 | 13 33 20 | 25° 8'04 | 11♎ 4 | 8°55 | 14°57 | 8°16 | 21°30 | 4°25 | 14°14 | 6°56 | 8°53 | 7°R 5 | 6°22 | 22°31 | 3°22 | T 7 |
| F 8 | 13 37 16 | 26° 6'24 | 25°24 | 8°42 | 16° 7 | 8°58 | 21°40 | 4°28 | 14°14 | 6°58 | 8°55 | 7° 4 | 6°19 | 22°38 | 3°24 | F 8 |
| S 9 | 13 41 13 | 27° 4'43 | 9♏30 | 8°34 | 17°17 | 9°40 | 21°50 | 4°31 | 14°14 | 7° 0 | 8°56 | 7° 2 | 6°16 | 22°45 | 3°25 | S 9 |
| S 10 | 13 45 10 | 28° 3'01 | 23°16 | 8°D31 | 18°27 | 10°22 | 22° 1 | 4°33 | 14°13 | 7° 2 | 8°57 | 7° 0 | 6°13 | 22°51 | 3°26 | S 10 |
| M11 | 13 49 6 | 29° 1'16 | 6♐41 | 8°33 | 19°37 | 11° 4 | 22°11 | 4°36 | 14°13 | 7° 4 | 8°59 | 6°57 | 6°10 | 22°58 | 3°28 | M11 |
| T 12 | 13 53 3 | 29°59'30 | 19°44 | 8°40 | 20°47 | 11°45 | 22°22 | 4°38 | 14°13 | 7° 6 | 9° 0 | 6°53 | 6° 7 | 23° 5 | 3°29 | T 12 |
| W13 | 13 56 59 | 0♑57'43 | 2♑26 | 8°52 | 21°57 | 12°27 | 22°32 | 4°41 | 14°D13 | 7° 9 | 9° 1 | 6°50 | 6° 3 | 23°11 | 3°30 | W13 |
| T 14 | 14 0 56 | 1°55'53 | 14°49 | 9° 8 | 23° 7 | 13° 9 | 22°43 | 4°43 | 14°13 | 7°11 | 9° 3 | 6°48 | 6° 0 | 23°18 | 3°31 | T 14 |
| F 15 | 14 4 52 | 2°54'03 | 26°57 | 9°29 | 24°17 | 13°51 | 22°54 | 4°45 | 14°13 | 7°13 | 9° 4 | 6°47 | 5°57 | 23°25 | 3°33 | F 15 |
| S 16 | 14 8 49 | 3°52'11 | 8♒54 | 9°54 | 25°28 | 14°32 | 23° 5 | 4°47 | 14°13 | 7°15 | 9° 5 | 6°D47 | 5°54 | 23°31 | 3°34 | S 16 |
| S 17 | 14 12 45 | 4°50'17 | 20°45 | 10°24 | 26°38 | 15°14 | 23°16 | 4°49 | 14°13 | 7°17 | 9° 7 | 6°48 | 5°51 | 23°38 | 3°35 | S 17 |
| M18 | 14 16 42 | 5°48'22 | 2♓35 | 10°57 | 27°48 | 15°56 | 23°27 | 4°51 | 14°14 | 7°19 | 9° 8 | 6°50 | 5°47 | 23°45 | 3°35 | M18 |
| T 19 | 14 20 39 | 6°46'25 | 14°29 | 11°35 | 28°59 | 16°37 | 23°38 | 4°53 | 14°14 | 7°21 | 9°10 | 6°51 | 5°44 | 23°52 | 3°36 | T 19 |
| W20 | 14 24 35 | 7°44'27 | 26°31 | 12°16 | 0♈ 9 | 17°19 | 23°50 | 4°55 | 14°14 | 7°23 | 9°11 | 6°53 | 5°41 | 23°58 | 3°37 | W20 |
| T 21 | 14 28 32 | 8°42'28 | 8♈45 | 13° 1 | 1°20 | 18° 0 | 24° 1 | 4°56 | 14°15 | 7°25 | 9°12 | 6°R53 | 5°38 | 24° 5 | 3°38 | T 21 |
| F 22 | 14 32 28 | 9°40'27 | 21°13 | 13°50 | 2°31 | 18°42 | 24°12 | 4°58 | 14°15 | 7°27 | 9°14 | 6°52 | 5°35 | 24°12 | 3°38 | F 22 |
| S 23 | 14 36 25 | 10°38'24 | 3♉58 | 14°41 | 3°41 | 19°23 | 24°24 | 4°59 | 14°16 | 7°29 | 9°15 | 6°50 | 5°32 | 24°18 | 3°39 | S 23 |
| S 24 | 14 40 21 | 11°36'20 | 17° 0 | 15°37 | 4°52 | 20° 5 | 24°35 | 5° 1 | 14°16 | 7°31 | 9°16 | 6°46 | 5°28 | 24°25 | 3°39 | S 24 |
| M25 | 14 44 18 | 12°34'15 | 0♊18 | 16°35 | 6° 3 | 20°46 | 24°47 | 5° 2 | 14°17 | 7°33 | 9°18 | 6°40 | 5°25 | 24°32 | 3°40 | M25 |
| T 26 | 14 48 14 | 13°32'08 | 13°50 | 17°36 | 7°13 | 21°28 | 24°59 | 5° 3 | 14°17 | 7°35 | 9°19 | 6°34 | 5°22 | 24°38 | 3°40 | T 26 |
| W27 | 14 52 11 | 14°29'59 | 27°36 | 18°41 | 8°24 | 22° 9 | 25°11 | 5° 4 | 14°18 | 7°37 | 9°20 | 6°29 | 5°19 | 24°45 | 3°40 | W27 |
| T 28 | 14 56 8 | 15°27'49 | 11♋31 | 19°48 | 9°35 | 22°50 | 25°22 | 5° 5 | 14°19 | 7°39 | 9°22 | 6°24 | 5°16 | 24°52 | 3°41 | T 28 |
| F 29 | 15 0 4 | 16°25'37 | 25°34 | 20°58 | 10°46 | 23°31 | 25°34 | 5° 6 | 14°20 | 7°41 | 9°23 | 6°20 | 5°13 | 24°58 | 3°41 | F 29 |
| S 30 | 15 4 1 | 17♉23'23 | 9♌41 | 22♈10 | 11♈57 | 24♒12 | 25♊46 | 5♒ 6 | 14♌21 | 7♈42 | 9♉24 | 6♈19 | 5♈ 9 | 25♒ 5 | 3°R41 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n35 | 27n55 | 5n14 | 5n41 | 1n 6 | 9s23 | 0s51 | 20s29 | 1s13 | 23n 6 | 0s 5 | 19s44 | 0s27 | 17n18 | 0n43 | 1n15 | 1s33 | 0n10 | 15s 4 | 2n48 | 2n40 | 17s42 | 12s55 | 6n46 |
| S 2 | 7 57 | 25 17 | 4 54 | 5 10 | 0 50 | 9 0 | 0 54 | 20 21 | 1 15 | 23 7 | 0 5 | 19 43 | 0 27 | 17 18 | 0 43 | 1 16 | 1 33 | 0 10 | 15 4 | 2 48 | 2 39 | 17 40 | 12 54 | 6 47 |
| S 3 | 8 19 | 21 3 | 4 16 | 4 41 | 0 33 | 8 37 | 0 57 | 20 12 | 1 16 | 23 8 | 0 5 | 19 42 | 0 27 | 17 18 | 0 43 | 1 16 | 1 33 | 0 11 | 15 4 | 2 48 | 2 37 | 17 37 | 12 53 | 6 47 |
| M 4 | 8 41 | 15 33 | 3 22 | 4 14 | 0 16 | 8 13 | 1 0 | 20 2 | 1 17 | 23 8 | 0 5 | 19 42 | 0 27 | 17 18 | 0 43 | 1 17 | 1 33 | 0 12 | 15 4 | 2 48 | 2 36 | 17 34 | 12 52 | 6 48 |
| T 5 | 9 3 | 9 9 | 2 14 | 3 48 | 0s 0 | 7 49 | 1 3 | 19 53 | 1 19 | 23 9 | 0 4 | 19 41 | 0 27 | 17 18 | 0 43 | 1 18 | 1 33 | 0 12 | 15 4 | 2 49 | 2 35 | 17 31 | 12 52 | 6 48 |
| W 6 | 9 24 | 2 15 | 0 58 | 3 24 | 0 17 | 7 25 | 1 6 | 19 44 | 1 20 | 23 10 | 0 4 | 19 41 | 0 27 | 17 18 | 0 43 | 1 19 | 1 33 | 0 12 | 15 4 | 2 49 | 2 34 | 17 28 | 12 51 | 6 49 |
| T 7 | 9 46 | 4s44 | 0s22 | 3 3 | 0 32 | 7 0 | 1 9 | 19 34 | 1 21 | 23 11 | 0 4 | 19 40 | 0 27 | 17 18 | 0 43 | 1 20 | 1 33 | 0 13 | 15 3 | 2 49 | 2 32 | 17 26 | 12 50 | 6 49 |
| F 8 | 10 7 | 11 24 | 1 39 | 2 44 | 0 48 | 6 36 | 1 12 | 19 24 | 1 23 | 23 11 | 0 4 | 19 39 | 0 28 | 17 18 | 0 43 | 1 21 | 1 33 | 0 13 | 15 3 | 2 49 | 2 31 | 17 23 | 12 49 | 6 50 |
| S 9 | 10 28 | 17 23 | 2 49 | 2 28 | 1 2 | 6 11 | 1 14 | 19 15 | 1 24 | 23 12 | 0 4 | 19 39 | 0 28 | 17 18 | 0 43 | 1 22 | 1 33 | 0 14 | 15 3 | 2 48 | 2 30 | 17 20 | 12 48 | 6 50 |
| S 10 | 10 49 | 22 20 | 3 48 | 2 14 | 1 16 | 5 46 | 1 17 | 19 5 | 1 25 | 23 13 | 0 4 | 19 38 | 0 28 | 17 18 | 0 43 | 1 22 | 1 33 | 0 14 | 15 3 | 2 47 | 2 29 | 17 17 | 12 48 | 6 50 |
| M11 | 11 10 | 25 58 | 4 32 | 2 2 | 1 29 | 5 21 | 1 19 | 18 54 | 1 27 | 23 14 | 0 4 | 19 38 | 0 28 | 17 18 | 0 43 | 1 23 | 1 33 | 0 15 | 15 3 | 2 46 | 2 27 | 17 14 | 12 47 | 6 51 |
| T 12 | 11 30 | 28 7 | 5 0 | 1 54 | 1 42 | 4 55 | 1 22 | 18 44 | 1 28 | 23 14 | 0 4 | 19 37 | 0 28 | 17 18 | 0 43 | 1 24 | 1 33 | 0 15 | 15 3 | 2 45 | 2 26 | 17 11 | 12 46 | 6 51 |
| W13 | 11 51 | 28 43 | 5 13 | 1 48 | 1 53 | 4 29 | 1 24 | 18 34 | 1 30 | 23 15 | 0 4 | 19 37 | 0 28 | 17 18 | 0 43 | 1 25 | 1 33 | 0 16 | 15 3 | 2 43 | 2 25 | 17 9 | 12 45 | 6 52 |
| T 14 | 12 11 | 27 51 | 5 11 | 1 44 | 2 4 | 4 4 | 1 26 | 18 23 | 1 31 | 23 16 | 0 3 | 19 37 | 0 28 | 17 18 | 0 43 | 1 26 | 1 33 | 0 16 | 15 3 | 2 43 | 2 24 | 17 6 | 12 45 | 6 52 |
| F 15 | 12 31 | 25 40 | 4 55 | 1 43 | 2 14 | 3 38 | 1 28 | 18 12 | 1 33 | 23 17 | 0 3 | 19 36 | 0 28 | 17 18 | 0 43 | 1 27 | 1 34 | 0 17 | 15 3 | 2 42 | 2 22 | 17 3 | 12 44 | 6 53 |
| S 16 | 12 51 | 22 23 | 4 26 | 1 45 | 2 23 | 3 11 | 1 30 | 18 1 | 1 34 | 23 17 | 0 3 | 19 36 | 0 29 | 17 18 | 0 43 | 1 27 | 1 34 | 0 17 | 15 3 | 2 42 | 2 21 | 17 0 | 12 43 | 6 53 |
| S 17 | 13 11 | 18 12 | 3 47 | 1 49 | 2 31 | 2 45 | 1 32 | 17 50 | 1 35 | 23 18 | 0 3 | 19 35 | 0 29 | 17 18 | 0 43 | 1 28 | 1 34 | 0 18 | 15 3 | 2 42 | 2 20 | 16 57 | 12 43 | 6 54 |
| M18 | 13 30 | 13 20 | 2 57 | 1 55 | 2 39 | 2 19 | 1 34 | 17 39 | 1 37 | 23 19 | 0 3 | 19 35 | 0 29 | 17 18 | 0 43 | 1 29 | 1 34 | 0 18 | 15 3 | 2 43 | 2 18 | 16 54 | 12 42 | 6 54 |
| T 19 | 13 49 | 7 58 | 2 0 | 2 4 | 2 45 | 1 52 | 1 36 | 17 28 | 1 38 | 23 19 | 0 3 | 19 35 | 0 29 | 17 18 | 0 43 | 1 30 | 1 34 | 0 19 | 15 3 | 2 44 | 2 17 | 16 51 | 12 41 | 6 55 |
| W20 | 14 8 | 2 15 | 0 56 | 2 15 | 2 51 | 1 25 | 1 37 | 17 17 | 1 40 | 23 20 | 0 3 | 19 34 | 0 29 | 17 18 | 0 43 | 1 30 | 1 34 | 0 19 | 15 3 | 2 44 | 2 16 | 16 49 | 12 41 | 6 55 |
| T 21 | 14 27 | 3n38 | 0n10 | 2 27 | 2 56 | 0 59 | 1 39 | 17 5 | 1 41 | 23 21 | 0 3 | 19 34 | 0 29 | 17 18 | 0 43 | 1 31 | 1 34 | 0 19 | 15 3 | 2 45 | 2 15 | 16 46 | 12 40 | 6 56 |
| F 22 | 14 46 | 9 30 | 1 18 | 2 42 | 3 0 | 0 32 | 1 40 | 16 54 | 1 43 | 23 21 | 0 3 | 19 34 | 0 29 | 17 18 | 0 43 | 1 32 | 1 34 | 0 20 | 15 3 | 2 44 | 2 13 | 16 43 | 12 40 | 6 56 |
| S 23 | 15 4 | 15 7 | 2 22 | 2 59 | 3 4 | 0 5 | 1 42 | 16 42 | 1 44 | 23 22 | 0 2 | 19 34 | 0 29 | 17 17 | 0 43 | 1 33 | 1 34 | 0 20 | 15 3 | 2 43 | 2 12 | 16 40 | 12 39 | 6 57 |
| S 24 | 15 22 | 20 11 | 3 21 | 3 18 | 3 6 | 0n22 | 1 43 | 16 30 | 1 45 | 23 22 | 0 2 | 19 34 | 0 30 | 17 17 | 0 43 | 1 33 | 1 34 | 0 21 | 15 3 | 2 42 | 2 11 | 16 37 | 12 38 | 6 57 |
| M25 | 15 40 | 24 22 | 4 10 | 3 39 | 3 8 | 0 49 | 1 44 | 16 19 | 1 47 | 23 23 | 0 2 | 19 33 | 0 30 | 17 17 | 0 43 | 1 34 | 1 34 | 0 21 | 15 2 | 2 39 | 2 10 | 16 34 | 12 38 | 6 58 |
| T 26 | 15 57 | 27 17 | 4 46 | 4 1 | 3 10 | 1 16 | 1 45 | 16 7 | 1 48 | 23 24 | 0 2 | 19 33 | 0 30 | 17 17 | 0 43 | 1 35 | 1 34 | 0 22 | 15 2 | 2 37 | 2 8 | 16 31 | 12 37 | 6 58 |
| W27 | 16 15 | 28 37 | 5 6 | 4 25 | 3 10 | 1 43 | 1 46 | 15 54 | 1 50 | 23 24 | 0 2 | 19 33 | 0 30 | 17 16 | 0 42 | 1 36 | 1 34 | 0 22 | 15 2 | 2 35 | 2 7 | 16 28 | 12 37 | 6 58 |
| T 28 | 16 32 | 28 9 | 5 9 | 4 50 | 3 10 | 2 10 | 1 47 | 15 42 | 1 51 | 23 25 | 0 2 | 19 33 | 0 30 | 17 16 | 0 42 | 1 36 | 1 34 | 0 22 | 15 2 | 2 33 | 2 6 | 16 25 | 12 36 | 6 59 |
| F 29 | 16 48 | 25 54 | 4 53 | 5 17 | 3 9 | 2 37 | 1 48 | 15 30 | 1 53 | 23 25 | 0 2 | 19 33 | 0 30 | 17 16 | 0 42 | 1 37 | 1 34 | 0 23 | 15 3 | 2 32 | 2 5 | 16 23 | 12 36 | 6 59 |
| S 30 | 17n 5 | 22n 3 | 4n19 | 5n45 | 3s 8 | 3n 4 | 1s49 | 15s18 | 1s54 | 23n26 | 0s 2 | 19s33 | 0s30 | 17n16 | 0n42 | 1n38 | 1s34 | 0n23 | 15s 3 | 2n31 | 2n 3 | 16s20 | 12s35 | 7n 0 |

Julian Day Number = 2222636.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'24, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'52, Lahiri = 15°06'53 Julian Calendar 1 Apr. 1373 == Greg. Calendar 9 Apr. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## MAY 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 7 57 | 18♉21'07 | 23♌51 | 23♈25 | 13♈ 8 | 24♒54 | 25♊58 | 5♒ 7 | 14♌21 | 7♈44 | 9♉26 | 6°D18 | 5♈ 6 | 25♒12 | 3°R41 | S 1 |
| M 2 | 15 11 54 | 19°18'50 | 8♍ 2 | 24°43 | 14°19 | 25°35 | 26°10 | 5° 8 | 14°22 | 7°46 | 9°27 | 6♈19 | 5° 3 | 25°18 | 3♒41 | M 2 |
| T 3 | 15 15 50 | 20°16'31 | 22°13 | 26° 4 | 15°30 | 26°16 | 26°23 | 5° 8 | 14°23 | 7°48 | 9°29 | 6°21 | 5° 0 | 25°25 | 3°41 | T 3 |
| W 4 | 15 19 47 | 21°14'10 | 6♎21 | 27°27 | 16°41 | 26°56 | 26°35 | 5° 8 | 14°24 | 7°50 | 9°30 | 6°R21 | 4°57 | 25°32 | 3°40 | W 4 |
| T 5 | 15 23 43 | 22°11'48 | 20°24 | 28°52 | 17°52 | 27°37 | 26°47 | 5° 9 | 14°26 | 7°51 | 9°31 | 6°20 | 4°53 | 25°38 | 3°40 | T 5 |
| F 6 | 15 27 40 | 23° 9'25 | 4♏19 | 0♉20 | 19° 3 | 28°18 | 26°59 | 5° 9 | 14°27 | 7°53 | 9°32 | 6°18 | 4°50 | 25°45 | 3°40 | F 6 |
| S 7 | 15 31 37 | 24° 7'00 | 18° 4 | 1°50 | 20°14 | 28°59 | 27°12 | 5°R 9 | 14°28 | 7°55 | 9°34 | 6°12 | 4°47 | 25°52 | 3°39 | S 7 |
| S 8 | 15 35 33 | 25° 4'34 | 1♐34 | 3°22 | 21°26 | 29°40 | 27°24 | 5° 9 | 14°29 | 7°57 | 9°35 | 6° 6 | 4°44 | 25°58 | 3°39 | S 8 |
| M 9 | 15 39 30 | 26° 2'07 | 14°48 | 4°57 | 22°37 | 0♓20 | 27°37 | 5° 9 | 14°31 | 7°58 | 9°36 | 5°57 | 4°41 | 26° 5 | 3°38 | M 9 |
| T 10 | 15 43 26 | 26°59'38 | 27°44 | 6°34 | 23°48 | 1° 1 | 27°49 | 5° 8 | 14°32 | 8° 0 | 9°38 | 5°49 | 4°38 | 26°12 | 3°38 | T 10 |
| W11 | 15 47 23 | 27°57'09 | 10♑22 | 8°14 | 25° 0 | 1°41 | 28° 2 | 5° 8 | 14°33 | 8° 1 | 9°39 | 5°40 | 4°34 | 26°18 | 3°37 | W11 |
| T 12 | 15 51 19 | 28°54'39 | 22°44 | 9°56 | 26°11 | 2°22 | 28°14 | 5° 8 | 14°35 | 8° 3 | 9°40 | 5°33 | 4°31 | 26°25 | 3°36 | T 12 |
| F 13 | 15 55 16 | 29°52'08 | 4♒51 | 11°41 | 27°22 | 3° 2 | 28°27 | 5° 7 | 14°36 | 8° 5 | 9°42 | 5°28 | 4°28 | 26°32 | 3°35 | F 13 |
| S 14 | 15 59 13 | 0♊49'36 | 16°48 | 13°27 | 28°34 | 3°42 | 28°40 | 5° 6 | 14°38 | 8° 6 | 9°43 | 5°25 | 4°25 | 26°38 | 3°35 | S 14 |
| S 15 | 16 3 9 | 1°47'03 | 28°39 | 15°16 | 29°45 | 4°23 | 28°53 | 5° 6 | 14°40 | 8° 8 | 9°44 | 5°D24 | 4°22 | 26°45 | 3°34 | S 15 |
| M16 | 16 7 6 | 2°44'29 | 10♓30 | 17° 8 | 0♉57 | 5° 3 | 29° 5 | 5° 5 | 14°41 | 8° 9 | 9°45 | 5°24 | 4°19 | 26°52 | 3°33 | M16 |
| T 17 | 16 11 2 | 3°41'55 | 22°24 | 19° 1 | 2° 8 | 5°43 | 29°18 | 5° 4 | 14°43 | 8°11 | 9°47 | 5°25 | 4°15 | 26°58 | 3°32 | T 17 |
| W18 | 16 14 59 | 4°39'20 | 4♈29 | 20°57 | 3°20 | 6°23 | 29°31 | 5° 3 | 14°45 | 8°12 | 9°48 | 5°R25 | 4°12 | 27° 5 | 3°30 | W18 |
| T 19 | 16 18 55 | 5°36'44 | 16°47 | 22°55 | 4°32 | 7° 2 | 29°44 | 5° 2 | 14°47 | 8°14 | 9°49 | 5°25 | 4° 9 | 27°12 | 3°29 | T 19 |
| F 20 | 16 22 52 | 6°34'08 | 29°24 | 24°55 | 5°43 | 7°42 | 29°57 | 5° 1 | 14°48 | 8°15 | 9°50 | 5°22 | 4° 6 | 27°19 | 3°28 | F 20 |
| S 21 | 16 26 48 | 7°31'31 | 12♉22 | 26°57 | 6°55 | 8°22 | 0♋10 | 4°59 | 14°50 | 8°16 | 9°52 | 5°17 | 4° 3 | 27°25 | 3°27 | S 21 |
| S 22 | 16 30 45 | 8°28'53 | 25°41 | 29° 1 | 8° 7 | 9° 1 | 0°23 | 4°58 | 14°52 | 8°18 | 9°53 | 5°10 | 3°59 | 27°32 | 3°25 | S 22 |
| M23 | 16 34 42 | 9°26'15 | 9♊22 | 1♊ 7 | 9°18 | 9°41 | 0°36 | 4°56 | 14°54 | 8°19 | 9°54 | 5° 1 | 3°56 | 27°39 | 3°24 | M23 |
| T 24 | 16 38 38 | 10°23'36 | 23°20 | 3°15 | 10°30 | 10°20 | 0°49 | 4°55 | 14°56 | 8°20 | 9°55 | 4°50 | 3°53 | 27°45 | 3°22 | T 24 |
| W25 | 16 42 35 | 11°20'56 | 7♋33 | 5°23 | 11°42 | 10°59 | 1° 2 | 4°53 | 14°58 | 8°22 | 9°57 | 4°40 | 3°50 | 27°52 | 3°21 | W25 |
| T 26 | 16 46 31 | 12°18'16 | 21°53 | 7°33 | 12°54 | 11°38 | 1°15 | 4°51 | 15° 1 | 8°23 | 9°58 | 4°31 | 3°47 | 27°59 | 3°19 | T 26 |
| F 27 | 16 50 28 | 13°15'34 | 6♌16 | 9°44 | 14° 6 | 12°17 | 1°29 | 4°50 | 15° 3 | 8°24 | 9°59 | 4°25 | 3°44 | 28° 5 | 3°17 | F 27 |
| S 28 | 16 54 24 | 14°12'52 | 20°37 | 11°55 | 15°17 | 12°56 | 1°42 | 4°48 | 15° 5 | 8°25 | 10° 0 | 4°20 | 3°40 | 28°12 | 3°16 | S 28 |
| S 29 | 16 58 21 | 15°10'08 | 4♍52 | 14° 7 | 16°29 | 13°35 | 1°55 | 4°46 | 15° 7 | 8°26 | 10° 1 | 4°19 | 3°37 | 28°19 | 3°14 | S 29 |
| M30 | 17 2 17 | 16° 7'24 | 19° 0 | 16°19 | 17°41 | 14°14 | 2° 8 | 4°43 | 15° 9 | 8°27 | 10° 2 | 4°D18 | 3°34 | 28°25 | 3°12 | M30 |
| T 31 | 17 6 14 | 17♊ 4'38 | 2♎59 | 18♊30 | 18♉53 | 14♓52 | 2♋22 | 4♒41 | 15♌12 | 8♈29 | 10♉ 3 | 4°R18 | 3♈31 | 28♒32 | 3♒10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n21 | 16n55 | 3n30 | 6n15 | 3s 6 | 3n31 | 1s49 | 15s 5 | 1s56 | 23n26 | 0s 2 | 19s33 | 0s30 | 17n15 | 0n42 | 1n38 | 1s34 | 0n24 | 15s 3 | 2n31 | 2n 2 | 16s17 | 12s35 | 7n 0 |
| M 2 | 17 37 | 10 52 | 2 27 | 6 46 | 3 3 | 3 58 | 1 50 | 14 53 | 1 57 | 23 27 | 0 1 | 19 33 | 0 31 | 17 15 | 0 42 | 1 39 | 1 34 | 0 24 | 15 3 | 2 31 | 2 1 | 16 14 | 12 34 | 7 1 |
| T 3 | 17 53 | 4 16 | 1 16 | 7 19 | 3 0 | 4 26 | 1 50 | 14 40 | 1 59 | 23 27 | 0 1 | 19 33 | 0 31 | 17 15 | 0 42 | 1 40 | 1 34 | 0 24 | 15 3 | 2 32 | 2 0 | 16 11 | 12 34 | 7 1 |
| W 4 | 18 8 | 2s32 | 0 0 | 7 52 | 2 56 | 4 52 | 1 51 | 14 28 | 2 0 | 23 27 | 0 1 | 19 33 | 0 31 | 17 14 | 0 42 | 1 40 | 1 34 | 0 25 | 15 3 | 2 32 | 1 58 | 16 8 | 12 34 | 7 2 |
| T 5 | 18 23 | 9 10 | 1s15 | 8 26 | 2 51 | 5 19 | 1 51 | 14 15 | 2 2 | 23 28 | 0 1 | 19 33 | 0 31 | 17 14 | 0 42 | 1 41 | 1 34 | 0 25 | 15 3 | 2 32 | 1 57 | 16 5 | 12 33 | 7 2 |
| F 6 | 18 38 | 15 17 | 2 25 | 9 2 | 2 46 | 5 46 | 1 51 | 14 2 | 2 3 | 23 28 | 0 1 | 19 33 | 0 31 | 17 14 | 0 42 | 1 42 | 1 34 | 0 25 | 15 3 | 2 30 | 1 56 | 16 2 | 12 33 | 7 3 |
| S 7 | 18 52 | 20 33 | 3 26 | 9 39 | 2 40 | 6 13 | 1 51 | 13 49 | 2 5 | 23 29 | 0 1 | 19 33 | 0 31 | 17 13 | 0 42 | 1 42 | 1 34 | 0 26 | 15 3 | 2 28 | 1 54 | 15 59 | 12 32 | 7 3 |
| S 8 | 19 6 | 24 41 | 4 13 | 10 16 | 2 34 | 6 40 | 1 52 | 13 36 | 2 6 | 23 29 | 0 1 | 19 33 | 0 31 | 17 13 | 0 42 | 1 43 | 1 34 | 0 26 | 15 3 | 2 26 | 1 53 | 15 56 | 12 32 | 7 4 |
| M 9 | 19 20 | 27 23 | 4 46 | 10 54 | 2 27 | 7 6 | 1 51 | 13 23 | 2 8 | 23 29 | 0 1 | 19 34 | 0 32 | 17 12 | 0 42 | 1 44 | 1 34 | 0 26 | 15 3 | 2 22 | 1 52 | 15 53 | 12 32 | 7 4 |
| T 10 | 19 33 | 28 34 | 5 3 | 11 33 | 2 20 | 7 33 | 1 51 | 13 10 | 2 10 | 23 30 | 0 1 | 19 34 | 0 32 | 17 12 | 0 42 | 1 44 | 1 34 | 0 27 | 15 3 | 2 19 | 1 51 | 15 50 | 12 31 | 7 5 |
| W11 | 19 46 | 28 11 | 5 5 | 12 13 | 2 13 | 7 59 | 1 51 | 12 57 | 2 11 | 23 30 | 0 1 | 19 34 | 0 32 | 17 12 | 0 42 | 1 45 | 1 34 | 0 27 | 15 3 | 2 16 | 1 49 | 15 47 | 12 31 | 7 5 |
| T 12 | 19 59 | 26 25 | 4 53 | 12 53 | 2 4 | 8 25 | 1 51 | 12 44 | 2 13 | 23 30 | 0 0 | 19 34 | 0 32 | 17 11 | 0 42 | 1 45 | 1 35 | 0 27 | 15 3 | 2 13 | 1 48 | 15 44 | 12 31 | 7 5 |
| F 13 | 20 12 | 23 26 | 4 27 | 13 33 | 1 56 | 8 51 | 1 51 | 12 31 | 2 14 | 23 30 | 0 0 | 19 34 | 0 32 | 17 11 | 0 42 | 1 46 | 1 35 | 0 28 | 15 3 | 2 11 | 1 47 | 15 42 | 12 31 | 7 6 |
| S 14 | 20 24 | 19 31 | 3 51 | 14 14 | 1 47 | 9 17 | 1 50 | 12 17 | 2 16 | 23 31 | 0 0 | 19 35 | 0 32 | 17 10 | 0 42 | 1 47 | 1 35 | 0 28 | 15 3 | 2 10 | 1 46 | 15 39 | 12 30 | 7 6 |
| S 15 | 20 35 | 14 51 | 3 4 | 14 55 | 1 37 | 9 43 | 1 50 | 12 4 | 2 17 | 23 31 | 0 0 | 19 35 | 0 32 | 17 10 | 0 42 | 1 47 | 1 35 | 0 28 | 15 3 | 2 9 | 1 44 | 15 36 | 12 30 | 7 7 |
| M16 | 20 47 | 9 39 | 2 10 | 15 36 | 1 28 | 10 8 | 1 49 | 11 51 | 2 19 | 23 31 | 0 0 | 19 35 | 0 32 | 17 9 | 0 42 | 1 48 | 1 35 | 0 29 | 15 3 | 2 9 | 1 43 | 15 33 | 12 30 | 7 7 |
| T 17 | 20 58 | 4 5 | 1 9 | 16 18 | 1 18 | 10 34 | 1 48 | 11 37 | 2 20 | 23 31 | 0n 0 | 19 36 | 0 33 | 17 9 | 0 42 | 1 48 | 1 35 | 0 29 | 15 4 | 2 9 | 1 42 | 15 30 | 12 30 | 7 8 |
| W18 | 21 9 | 1n43 | 0 5 | 16 58 | 1 7 | 10 59 | 1 48 | 11 24 | 2 22 | 23 31 | 0 0 | 19 36 | 0 33 | 17 8 | 0 42 | 1 49 | 1 35 | 0 29 | 15 4 | 2 10 | 1 41 | 15 27 | 12 30 | 7 8 |
| T 19 | 21 19 | 7 33 | 1n 0 | 17 39 | 0 57 | 11 24 | 1 47 | 11 10 | 2 23 | 23 32 | 0 0 | 19 36 | 0 33 | 17 7 | 0 42 | 1 49 | 1 35 | 0 29 | 15 4 | 2 9 | 1 39 | 15 24 | 12 30 | 7 8 |
| F 20 | 21 29 | 13 14 | 2 4 | 18 19 | 0 46 | 11 49 | 1 46 | 10 57 | 2 25 | 23 32 | 0 0 | 19 37 | 0 33 | 17 7 | 0 42 | 1 50 | 1 35 | 0 30 | 15 4 | 2 8 | 1 38 | 15 21 | 12 29 | 7 9 |
| S 21 | 21 39 | 18 31 | 3 4 | 18 59 | 0 35 | 12 13 | 1 45 | 10 44 | 2 27 | 23 32 | 0 0 | 19 37 | 0 33 | 17 6 | 0 42 | 1 50 | 1 35 | 0 30 | 15 4 | 2 6 | 1 37 | 15 18 | 12 29 | 7 9 |
| S 22 | 21 48 | 23 3 | 3 55 | 19 37 | 0 24 | 12 37 | 1 44 | 10 30 | 2 28 | 23 32 | 0 1 | 19 38 | 0 33 | 17 6 | 0 42 | 1 51 | 1 35 | 0 30 | 15 4 | 2 4 | 1 36 | 15 15 | 12 29 | 7 10 |
| M23 | 21 57 | 26 26 | 4 33 | 20 14 | 0 13 | 13 1 | 1 43 | 10 17 | 2 30 | 23 32 | 0 1 | 19 38 | 0 33 | 17 5 | 0 42 | 1 51 | 1 35 | 0 30 | 15 4 | 2 0 | 1 34 | 15 12 | 12 29 | 7 10 |
| T 24 | 22 5 | 28 18 | 4 57 | 20 50 | 0 3 | 13 25 | 1 42 | 10 3 | 2 31 | 23 32 | 0 1 | 19 39 | 0 34 | 17 4 | 0 42 | 1 52 | 1 35 | 0 31 | 15 4 | 1 56 | 1 33 | 15 9 | 12 29 | 7 11 |
| W25 | 22 13 | 28 20 | 5 2 | 21 25 | 0n 8 | 13 48 | 1 40 | 9 49 | 2 33 | 23 32 | 0 1 | 19 39 | 0 34 | 17 4 | 0 42 | 1 52 | 1 35 | 0 31 | 15 4 | 1 52 | 1 32 | 15 6 | 12 29 | 7 11 |
| T 26 | 22 21 | 26 29 | 4 49 | 21 57 | 0 19 | 14 11 | 1 39 | 9 36 | 2 34 | 23 32 | 0 1 | 19 40 | 0 34 | 17 3 | 0 42 | 1 53 | 1 35 | 0 31 | 15 5 | 1 48 | 1 30 | 15 3 | 12 29 | 7 11 |
| F 27 | 22 28 | 22 56 | 4 18 | 22 28 | 0 29 | 14 34 | 1 38 | 9 22 | 2 36 | 23 32 | 0 1 | 19 40 | 0 34 | 17 2 | 0 42 | 1 53 | 1 35 | 0 31 | 15 5 | 1 46 | 1 29 | 15 0 | 12 29 | 7 12 |
| S 28 | 22 35 | 17 59 | 3 30 | 22 56 | 0 39 | 14 56 | 1 36 | 9 9 | 2 38 | 23 32 | 0 1 | 19 41 | 0 34 | 17 2 | 0 41 | 1 53 | 1 35 | 0 31 | 15 5 | 1 44 | 1 28 | 14 57 | 12 29 | 7 12 |
| S 29 | 22 42 | 12 4 | 2 30 | 23 23 | 0 49 | 15 19 | 1 35 | 8 55 | 2 39 | 23 32 | 0 1 | 19 42 | 0 34 | 17 1 | 0 41 | 1 54 | 1 35 | 0 32 | 15 5 | 1 43 | 1 27 | 14 54 | 12 29 | 7 12 |
| M30 | 22 48 | 5 36 | 1 20 | 23 46 | 0 58 | 15 40 | 1 33 | 8 42 | 2 41 | 23 32 | 0 1 | 19 42 | 0 34 | 17 0 | 0 41 | 1 54 | 1 35 | 0 32 | 15 5 | 1 43 | 1 25 | 14 51 | 12 29 | 7 13 |
| T 31 | 22n54 | 1s 5 | 0n 7 | 24n 7 | 1n 6 | 16n 2 | 1s32 | 8s28 | 2s42 | 23n32 | 0n 1 | 19s43 | 0s34 | 17n 0 | 0n41 | 1n55 | 1s35 | 0n32 | 15s 5 | 1n43 | 1n24 | 14s48 | 12s29 | 7n13 |

Julian Day Number = 2222666.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 15°59'56, Lahiri = 15°06'57 Julian Calendar 1 May 1373 == Greg. Calendar 9 May 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## JUNE 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 10 11 | 18♊ 1'52 | 16♎48 | 20♊42 | 20♉ 5 | 15♓30 | 2♋35 | 4°R39 | 15♌14 | 8♈30 | 10♉ 5 | 4°R18 | 3♈28 | 28♒39 | 3°R 8 | W 1 |
| T 2 | 17 14 7 | 18°59'06 | 0♏29 | 22°52 | 21°17 | 16° 9 | 2°48 | 4♒37 | 15°17 | 8°31 | 10° 6 | 4♈16 | 3°25 | 28°45 | 3♒ 6 | T 2 |
| F 3 | 17 18 4 | 19°56'18 | 14° 0 | 25° 2 | 22°29 | 16°47 | 3° 2 | 4°34 | 15°19 | 8°32 | 10° 7 | 4°11 | 3°21 | 28°52 | 3° 4 | F 3 |
| S 4 | 17 22 0 | 20°53'30 | 27°20 | 27°10 | 23°41 | 17°25 | 3°15 | 4°32 | 15°22 | 8°33 | 10° 8 | 4° 3 | 3°18 | 28°59 | 3° 2 | S 4 |
| S 5 | 17 25 57 | 21°50'42 | 10♐29 | 29°17 | 24°53 | 18° 2 | 3°28 | 4°29 | 15°24 | 8°34 | 10° 9 | 3°53 | 3°15 | 29° 5 | 3° 0 | S 5 |
| M 6 | 17 29 53 | 22°47'53 | 23°25 | 1♋23 | 26° 6 | 18°40 | 3°42 | 4°26 | 15°27 | 8°35 | 10°10 | 3°41 | 3°12 | 29°12 | 2°57 | M 6 |
| T 7 | 17 33 50 | 23°45'04 | 6♑ 7 | 3°27 | 27°18 | 19°17 | 3°55 | 4°24 | 15°29 | 8°35 | 10°11 | 3°29 | 3° 9 | 29°19 | 2°55 | T 7 |
| W 8 | 17 37 46 | 24°42'14 | 18°36 | 5°29 | 28°30 | 19°55 | 4° 9 | 4°21 | 15°32 | 8°36 | 10°12 | 3°16 | 3° 5 | 29°25 | 2°53 | W 8 |
| T 9 | 17 41 43 | 25°39'25 | 0♒51 | 7°29 | 29°42 | 20°32 | 4°22 | 4°18 | 15°35 | 8°37 | 10°13 | 3° 6 | 3° 2 | 29°32 | 2°51 | T 9 |
| F 10 | 17 45 40 | 26°36'35 | 12°54 | 9°28 | 0♊54 | 21° 9 | 4°35 | 4°15 | 15°37 | 8°38 | 10°14 | 2°57 | 2°59 | 29°39 | 2°48 | F 10 |
| S 11 | 17 49 36 | 27°33'45 | 24°49 | 11°24 | 2° 7 | 21°46 | 4°49 | 4°12 | 15°40 | 8°39 | 10°15 | 2°51 | 2°56 | 29°45 | 2°46 | S 11 |
| S 12 | 17 53 33 | 28°30'56 | 6♓38 | 13°19 | 3°19 | 22°22 | 5° 2 | 4° 9 | 15°43 | 8°39 | 10°16 | 2°48 | 2°53 | 29°52 | 2°43 | S 12 |
| M13 | 17 57 29 | 29°28'06 | 18°27 | 15°11 | 4°31 | 22°59 | 5°16 | 4° 5 | 15°46 | 8°40 | 10°17 | 2°46 | 2°50 | 29°59 | 2°41 | M13 |
| T 14 | 18 1 26 | 0♋25'17 | 0♈21 | 17° 1 | 5°44 | 23°35 | 5°29 | 4° 2 | 15°49 | 8°41 | 10°18 | 2°46 | 2°46 | 0♓ 5 | 2°38 | T 14 |
| W15 | 18 5 22 | 1°22'27 | 12°25 | 18°50 | 6°56 | 24°11 | 5°43 | 3°59 | 15°51 | 8°41 | 10°19 | 2°46 | 2°43 | 0°12 | 2°35 | W15 |
| T 16 | 18 9 19 | 2°19'38 | 24°44 | 20°36 | 8° 9 | 24°47 | 5°56 | 3°55 | 15°54 | 8°42 | 10°20 | 2°45 | 2°40 | 0°19 | 2°33 | T 16 |
| F 17 | 18 13 15 | 3°16'49 | 7♉24 | 22°20 | 9°21 | 25°23 | 6°10 | 3°52 | 15°57 | 8°43 | 10°21 | 2°42 | 2°37 | 0°25 | 2°30 | F 17 |
| S 18 | 18 17 12 | 4°14'01 | 20°28 | 24° 2 | 10°34 | 25°58 | 6°23 | 3°48 | 16° 0 | 8°43 | 10°22 | 2°36 | 2°34 | 0°32 | 2°27 | S 18 |
| S 19 | 18 21 9 | 5°11'13 | 3♊57 | 25°42 | 11°46 | 26°34 | 6°37 | 3°45 | 16° 3 | 8°44 | 10°22 | 2°28 | 2°31 | 0°39 | 2°24 | S 19 |
| M20 | 18 25 5 | 6° 8'25 | 17°53 | 27°20 | 12°59 | 27° 9 | 6°50 | 3°41 | 16° 6 | 8°44 | 10°23 | 2°18 | 2°27 | 0°45 | 2°22 | M20 |
| T 21 | 18 29 2 | 7° 5'38 | 2♋11 | 28°56 | 14°11 | 27°43 | 7° 4 | 3°37 | 16° 9 | 8°45 | 10°24 | 2° 7 | 2°24 | 0°52 | 2°19 | T 21 |
| W22 | 18 32 58 | 8° 2'50 | 16°47 | 0♌29 | 15°24 | 28°18 | 7°18 | 3°34 | 16°13 | 8°45 | 10°25 | 1°56 | 2°21 | 0°59 | 2°16 | W22 |
| T 23 | 18 36 55 | 9° 0'03 | 1♌32 | 2° 1 | 16°37 | 28°52 | 7°31 | 3°30 | 16°16 | 8°45 | 10°26 | 1°46 | 2°18 | 1° 5 | 2°13 | T 23 |
| F 24 | 18 40 51 | 9°57'16 | 16°19 | 3°30 | 17°49 | 29°26 | 7°45 | 3°26 | 16°19 | 8°46 | 10°26 | 1°38 | 2°15 | 1°12 | 2°10 | F 24 |
| S 25 | 18 44 48 | 10°54'29 | 1♍ 0 | 4°58 | 19° 2 | 0♈ 0 | 7°58 | 3°22 | 16°22 | 8°46 | 10°27 | 1°33 | 2°11 | 1°19 | 2° 7 | S 25 |
| S 26 | 18 48 45 | 11°51'42 | 15°30 | 6°23 | 20°15 | 0°34 | 8°12 | 3°18 | 16°25 | 8°46 | 10°28 | 1°31 | 2° 8 | 1°25 | 2° 4 | S 26 |
| M27 | 18 52 41 | 12°48'55 | 29°44 | 7°46 | 21°28 | 1° 7 | 8°25 | 3°14 | 16°29 | 8°46 | 10°29 | 1°D30 | 2° 5 | 1°32 | 2° 1 | M27 |
| T 28 | 18 56 38 | 13°46'08 | 13♎43 | 9° 6 | 22°40 | 1°40 | 8°39 | 3°10 | 16°32 | 8°47 | 10°29 | 1°R30 | 2° 2 | 1°39 | 1°58 | T 28 |
| W29 | 19 0 34 | 14°43'21 | 27°25 | 10°25 | 23°53 | 2°13 | 8°52 | 3° 6 | 16°35 | 8°47 | 10°30 | 1°30 | 1°59 | 1°45 | 1°55 | W29 |
| T 30 | 19 4 31 | 15♋40'34 | 10♏52 | 11♌41 | 25♊ 6 | 2♈45 | 9♋ 5 | 3♒ 2 | 16♌38 | 8♈47 | 10♉31 | 1♈27 | 1♈56 | 1♓52 | 1♒52 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n59 | 7s38 | 1s 6 | 24n26 | 1n14 | 16n23 | 1s30 | 8s15 | 2s44 | 23n31 | 0n 2 | 19s44 | 0s35 | 16n59 | 0n41 | 1n55 | 1s36 | 0n32 | 15s 5 | 1n43 | 1n23 | 14s45 | 12s29 | 7n14 |
| T 2 | 23 4 | 13 46 | 2 14 | 24 41 | 1 21 | 16 43 | 1 29 | 8 1 | 2 45 | 23 31 | 0 2 | 19 44 | 0 35 | 16 58 | 0 41 | 1 55 | 1 36 | 0 32 | 15 6 | 1 42 | 1 22 | 14 42 | 12 29 | 7 14 |
| F 3 | 23 8 | 19 10 | 3 14 | 24 54 | 1 28 | 17 4 | 1 27 | 7 48 | 2 47 | 23 31 | 0 2 | 19 45 | 0 35 | 16 57 | 0 41 | 1 56 | 1 36 | 0 33 | 15 6 | 1 40 | 1 20 | 14 39 | 12 29 | 7 14 |
| S 4 | 23 13 | 23 33 | 4 2 | 25 4 | 1 34 | 17 23 | 1 25 | 7 34 | 2 48 | 23 31 | 0 2 | 19 46 | 0 35 | 16 57 | 0 41 | 1 56 | 1 36 | 0 33 | 15 6 | 1 37 | 1 19 | 14 36 | 12 30 | 7 15 |
| S 5 | 23 16 | 26 39 | 4 36 | 25 11 | 1 39 | 17 43 | 1 23 | 7 21 | 2 50 | 23 31 | 0 2 | 19 47 | 0 35 | 16 56 | 0 41 | 1 56 | 1 36 | 0 33 | 15 6 | 1 33 | 1 18 | 14 32 | 12 30 | 7 15 |
| M 6 | 23 20 | 28 17 | 4 56 | 25 15 | 1 44 | 18 2 | 1 21 | 7 8 | 2 52 | 23 30 | 0 2 | 19 47 | 0 35 | 16 55 | 0 41 | 1 57 | 1 36 | 0 33 | 15 6 | 1 28 | 1 17 | 14 29 | 12 30 | 7 15 |
| T 7 | 23 22 | 28 23 | 5 0 | 25 16 | 1 48 | 18 20 | 1 19 | 6 54 | 2 53 | 23 30 | 0 2 | 19 48 | 0 35 | 16 54 | 0 41 | 1 57 | 1 36 | 0 33 | 15 7 | 1 23 | 1 15 | 14 26 | 12 30 | 7 16 |
| W 8 | 23 25 | 27 1 | 4 50 | 25 15 | 1 51 | 18 38 | 1 17 | 6 41 | 2 55 | 23 30 | 0 2 | 19 49 | 0 36 | 16 53 | 0 41 | 1 57 | 1 36 | 0 33 | 15 7 | 1 18 | 1 14 | 14 23 | 12 30 | 7 16 |
| T 9 | 23 27 | 24 22 | 4 27 | 25 12 | 1 53 | 18 56 | 1 15 | 6 28 | 2 56 | 23 29 | 0 2 | 19 50 | 0 36 | 16 53 | 0 41 | 1 58 | 1 36 | 0 33 | 15 7 | 1 14 | 1 13 | 14 20 | 12 31 | 7 16 |
| F 10 | 23 29 | 20 42 | 3 51 | 25 6 | 1 55 | 19 13 | 1 13 | 6 15 | 2 58 | 23 29 | 0 2 | 19 51 | 0 36 | 16 52 | 0 41 | 1 58 | 1 36 | 0 33 | 15 7 | 1 11 | 1 11 | 14 17 | 12 31 | 7 17 |
| S 11 | 23 30 | 16 13 | 3 6 | 24 57 | 1 56 | 19 30 | 1 11 | 6 1 | 2 59 | 23 29 | 0 2 | 19 51 | 0 36 | 16 51 | 0 41 | 1 58 | 1 36 | 0 34 | 15 7 | 1 8 | 1 10 | 14 14 | 12 31 | 7 17 |
| S 12 | 23 31 | 11 10 | 2 14 | 24 47 | 1 56 | 19 46 | 1 9 | 5 48 | 3 1 | 23 28 | 0 3 | 19 52 | 0 36 | 16 50 | 0 41 | 1 58 | 1 36 | 0 34 | 15 8 | 1 7 | 1 9 | 14 11 | 12 31 | 7 17 |
| M13 | 23 31 | 5 44 | 1 15 | 24 34 | 1 56 | 20 2 | 1 7 | 5 35 | 3 3 | 23 28 | 0 3 | 19 53 | 0 36 | 16 49 | 0 41 | 1 59 | 1 36 | 0 34 | 15 8 | 1 6 | 1 8 | 14 8 | 12 32 | 7 17 |
| T 14 | 23 31 | 0 3 | 0 13 | 24 20 | 1 54 | 20 17 | 1 4 | 5 22 | 3 4 | 23 27 | 0 3 | 19 54 | 0 36 | 16 48 | 0 41 | 1 59 | 1 36 | 0 34 | 15 8 | 1 6 | 1 6 | 14 5 | 12 32 | 7 18 |
| W15 | 23 31 | 5n42 | 0n51 | 24 3 | 1 53 | 20 31 | 1 2 | 5 9 | 3 6 | 23 27 | 0 3 | 19 55 | 0 36 | 16 47 | 0 41 | 1 59 | 1 36 | 0 34 | 15 8 | 1 6 | 1 5 | 14 2 | 12 32 | 7 18 |
| T 16 | 23 30 | 11 22 | 1 54 | 23 45 | 1 50 | 20 46 | 1 0 | 4 56 | 3 7 | 23 26 | 0 3 | 19 56 | 0 36 | 16 47 | 0 41 | 1 59 | 1 36 | 0 34 | 15 8 | 1 6 | 1 4 | 13 59 | 12 33 | 7 18 |
| F 17 | 23 29 | 16 44 | 2 52 | 23 26 | 1 47 | 20 59 | 0 57 | 4 44 | 3 9 | 23 26 | 0 3 | 19 57 | 0 37 | 16 46 | 0 41 | 1 59 | 1 36 | 0 34 | 15 9 | 1 5 | 1 3 | 13 56 | 12 33 | 7 18 |
| S 18 | 23 27 | 21 31 | 3 44 | 23 5 | 1 44 | 21 12 | 0 55 | 4 31 | 3 10 | 23 25 | 0 3 | 19 58 | 0 37 | 16 45 | 0 41 | 1 59 | 1 37 | 0 34 | 15 9 | 1 2 | 1 1 | 13 53 | 12 33 | 7 19 |
| S 19 | 23 25 | 25 21 | 4 25 | 22 42 | 1 39 | 21 24 | 0 53 | 4 18 | 3 12 | 23 25 | 0 3 | 19 59 | 0 37 | 16 44 | 0 41 | 2 0 | 1 37 | 0 34 | 15 9 | 0 59 | 1 0 | 13 50 | 12 34 | 7 19 |
| M20 | 23 23 | 27 48 | 4 51 | 22 19 | 1 34 | 21 36 | 0 50 | 4 6 | 3 13 | 23 24 | 0 3 | 20 0 | 0 37 | 16 43 | 0 41 | 2 0 | 1 37 | 0 34 | 15 9 | 0 55 | 0 59 | 13 46 | 12 34 | 7 19 |
| T 21 | 23 20 | 28 31 | 5 1 | 21 54 | 1 29 | 21 47 | 0 48 | 3 53 | 3 15 | 23 24 | 0 3 | 20 1 | 0 37 | 16 42 | 0 41 | 2 0 | 1 37 | 0 34 | 15 10 | 0 51 | 0 58 | 13 43 | 12 34 | 7 19 |
| W22 | 23 17 | 27 16 | 4 51 | 21 28 | 1 23 | 21 58 | 0 45 | 3 41 | 3 16 | 23 23 | 0 4 | 20 2 | 0 37 | 16 41 | 0 41 | 2 0 | 1 37 | 0 34 | 15 10 | 0 46 | 0 56 | 13 40 | 12 35 | 7 20 |
| T 23 | 23 13 | 24 8 | 4 21 | 21 2 | 1 17 | 22 8 | 0 43 | 3 28 | 3 18 | 23 22 | 0 4 | 20 3 | 0 37 | 16 40 | 0 41 | 2 0 | 1 37 | 0 34 | 15 10 | 0 42 | 0 55 | 13 37 | 12 35 | 7 20 |
| F 24 | 23 9 | 19 25 | 3 35 | 20 34 | 1 10 | 22 18 | 0 40 | 3 16 | 3 19 | 23 21 | 0 4 | 20 4 | 0 37 | 16 39 | 0 41 | 2 0 | 1 37 | 0 34 | 15 10 | 0 39 | 0 54 | 13 34 | 12 36 | 7 20 |
| S 25 | 23 4 | 13 33 | 2 34 | 20 6 | 1 3 | 22 26 | 0 38 | 3 4 | 3 21 | 23 21 | 0 4 | 20 5 | 0 38 | 16 38 | 0 41 | 2 0 | 1 37 | 0 34 | 15 10 | 0 37 | 0 52 | 13 31 | 12 36 | 7 20 |
| S 26 | 22 59 | 7 1 | 1 24 | 19 38 | 0 55 | 22 35 | 0 35 | 2 52 | 3 22 | 23 20 | 0 4 | 20 6 | 0 38 | 16 37 | 0 41 | 2 0 | 1 37 | 0 34 | 15 11 | 0 36 | 0 51 | 13 28 | 12 37 | 7 20 |
| M27 | 22 54 | 0 15 | 0 9 | 19 9 | 0 47 | 22 42 | 0 33 | 2 40 | 3 24 | 23 19 | 0 4 | 20 7 | 0 38 | 16 36 | 0 41 | 2 0 | 1 37 | 0 34 | 15 11 | 0 36 | 0 50 | 13 25 | 12 37 | 7 20 |
| T 28 | 22 48 | 6s25 | 1s 4 | 18 39 | 0 38 | 22 49 | 0 30 | 2 28 | 3 25 | 23 19 | 0 4 | 20 8 | 0 38 | 16 35 | 0 41 | 2 0 | 1 37 | 0 34 | 15 11 | 0 36 | 0 49 | 13 22 | 12 38 | 7 21 |
| W29 | 22 42 | 12 39 | 2 13 | 18 9 | 0 29 | 22 55 | 0 28 | 2 17 | 3 27 | 23 18 | 0 4 | 20 9 | 0 38 | 16 34 | 0 41 | 2 0 | 1 37 | 0 34 | 15 11 | 0 36 | 0 47 | 13 19 | 12 38 | 7 21 |
| T 30 | 22n36 | 18s11 | 3s12 | 17n39 | 0n19 | 23n 1 | 0s25 | 2s 5 | 3s28 | 23n17 | 0n 4 | 20s10 | 0s38 | 16n33 | 0n41 | 2n 0 | 1s37 | 0n34 | 15s12 | 0n35 | 0n46 | 13s15 | 12s39 | 7n21 |

Julian Day Number = 2222697.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'01, Lahiri = 15°07'01 Julian Calendar 1 June 1373 == Greg. Calendar 9 June 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## JULY 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 8 27 | 16♋37'47 | 24♏ 6 | 12♌54 | 26♊19 | 3♈17 | 9♋19 | 2°R58 | 16♌42 | 8♈47 | 10♉31 | 1°R23 | 1♈52 | 1♓59 | 1°R48 | F 1 |
| S 2 | 19 12 24 | 17°35'01 | 7♐ 6 | 14° 5 | 27°32 | 3°49 | 9°32 | 2♒53 | 16°45 | 8°47 | 10°32 | 1♈16 | 1°49 | 2° 5 | 1♒45 | S 2 |
| S 3 | 19 16 20 | 18°32'15 | 19°55 | 15°14 | 28°45 | 4°21 | 9°46 | 2°49 | 16°48 | 8°47 | 10°33 | 1° 6 | 1°46 | 2°12 | 1°42 | S 3 |
| M 4 | 19 20 17 | 19°29'30 | 2♑32 | 16°20 | 29°58 | 4°52 | 9°59 | 2°45 | 16°52 | 8°R47 | 10°33 | 0°54 | 1°43 | 2°19 | 1°39 | M 4 |
| T 5 | 19 24 14 | 20°26'45 | 14°58 | 17°23 | 1♋11 | 5°23 | 10°13 | 2°41 | 16°55 | 8°47 | 10°34 | 0°42 | 1°40 | 2°25 | 1°36 | T 5 |
| W 6 | 19 28 10 | 21°24'00 | 27°14 | 18°24 | 2°24 | 5°54 | 10°26 | 2°36 | 16°59 | 8°47 | 10°34 | 0°30 | 1°37 | 2°32 | 1°32 | W 6 |
| T 7 | 19 32 7 | 22°21'17 | 9♒19 | 19°21 | 3°37 | 6°24 | 10°39 | 2°32 | 17° 2 | 8°47 | 10°35 | 0°20 | 1°33 | 2°39 | 1°29 | T 7 |
| F 8 | 19 36 3 | 23°18'33 | 21°17 | 20°16 | 4°50 | 6°54 | 10°53 | 2°28 | 17° 6 | 8°47 | 10°36 | 0°12 | 1°30 | 2°45 | 1°26 | F 8 |
| S 9 | 19 40 0 | 24°15'51 | 3♓ 8 | 21° 8 | 6° 3 | 7°24 | 11° 6 | 2°23 | 17° 9 | 8°47 | 10°36 | 0° 6 | 1°27 | 2°52 | 1°23 | S 9 |
| S 10 | 19 43 56 | 25°13'10 | 14°55 | 21°56 | 7°17 | 7°53 | 11°19 | 2°19 | 17°13 | 8°47 | 10°36 | 0° 2 | 1°24 | 2°59 | 1°19 | S 10 |
| M11 | 19 47 53 | 26°10'29 | 26°43 | 22°40 | 8°30 | 8°22 | 11°33 | 2°14 | 17°16 | 8°46 | 10°37 | 0°D 1 | 1°21 | 3° 5 | 1°16 | M11 |
| T 12 | 19 51 49 | 27° 7'50 | 8♈36 | 23°22 | 9°43 | 8°50 | 11°46 | 2°10 | 17°20 | 8°46 | 10°37 | 0° 1 | 1°17 | 3°12 | 1°13 | T 12 |
| W13 | 19 55 46 | 28° 5'12 | 20°39 | 23°59 | 10°56 | 9°18 | 11°59 | 2° 5 | 17°23 | 8°46 | 10°38 | 0° 2 | 1°14 | 3°19 | 1° 9 | W13 |
| T 14 | 19 59 43 | 29° 2'34 | 2♉57 | 24°33 | 12°10 | 9°46 | 12°12 | 2° 1 | 17°27 | 8°46 | 10°38 | 0°R 2 | 1°11 | 3°25 | 1° 6 | T 14 |
| F 15 | 20 3 39 | 29°59'58 | 15°35 | 25° 2 | 13°23 | 10°13 | 12°25 | 1°57 | 17°31 | 8°45 | 10°39 | 0° 1 | 1° 8 | 3°32 | 1° 3 | F 15 |
| S 16 | 20 7 36 | 0♌57'24 | 28°38 | 25°27 | 14°37 | 10°40 | 12°38 | 1°52 | 17°34 | 8°45 | 10°39 | 29♓58 | 1° 5 | 3°39 | 1° 0 | S 16 |
| S 17 | 20 11 32 | 1°54'50 | 12♊ 8 | 25°47 | 15°50 | 11° 7 | 12°52 | 1°48 | 17°38 | 8°45 | 10°39 | 29°52 | 1° 2 | 3°45 | 0°56 | S 17 |
| M18 | 20 15 29 | 2°52'18 | 26° 7 | 26° 3 | 17° 4 | 11°33 | 13° 5 | 1°43 | 17°42 | 8°44 | 10°40 | 29°45 | 0°58 | 3°52 | 0°53 | M18 |
| T 19 | 20 19 25 | 3°49'47 | 10♋33 | 26°14 | 18°17 | 11°58 | 13°18 | 1°39 | 17°45 | 8°44 | 10°40 | 29°37 | 0°55 | 3°59 | 0°50 | T 19 |
| W20 | 20 23 22 | 4°47'17 | 25°21 | 26°20 | 19°31 | 12°23 | 13°31 | 1°34 | 17°49 | 8°43 | 10°40 | 29°28 | 0°52 | 4° 5 | 0°46 | W20 |
| T 21 | 20 27 18 | 5°44'48 | 10♌23 | 26°R21 | 20°44 | 12°48 | 13°44 | 1°30 | 17°53 | 8°43 | 10°41 | 29°21 | 0°49 | 4°12 | 0°43 | T 21 |
| F 22 | 20 31 15 | 6°42'21 | 25°29 | 26°17 | 21°58 | 13°12 | 13°57 | 1°25 | 17°56 | 8°42 | 10°41 | 29°15 | 0°46 | 4°19 | 0°40 | F 22 |
| S 23 | 20 35 12 | 7°39'54 | 10♍30 | 26° 7 | 23°11 | 13°36 | 14°10 | 1°21 | 18° 0 | 8°41 | 10°41 | 29°12 | 0°43 | 4°25 | 0°37 | S 23 |
| S 24 | 20 39 8 | 8°37'28 | 25°17 | 25°52 | 24°25 | 13°59 | 14°22 | 1°16 | 18° 4 | 8°41 | 10°41 | 29°D10 | 0°39 | 4°32 | 0°33 | S 24 |
| M25 | 20 43 5 | 9°35'03 | 9♎47 | 25°31 | 25°39 | 14°21 | 14°35 | 1°12 | 18° 7 | 8°40 | 10°41 | 29°11 | 0°36 | 4°39 | 0°30 | M25 |
| T 26 | 20 47 1 | 10°32'39 | 23°54 | 25° 5 | 26°53 | 14°43 | 14°48 | 1° 8 | 18°11 | 8°40 | 10°42 | 29°12 | 0°33 | 4°45 | 0°27 | T 26 |
| W27 | 20 50 58 | 11°30'16 | 7♏39 | 24°34 | 28° 6 | 15° 5 | 15° 1 | 1° 3 | 18°15 | 8°39 | 10°42 | 29°R12 | 0°30 | 4°52 | 0°24 | W27 |
| T 28 | 20 54 54 | 12°27'54 | 21° 4 | 23°58 | 29°20 | 15°26 | 15°13 | 0°59 | 18°18 | 8°38 | 10°42 | 29°12 | 0°27 | 4°59 | 0°20 | T 28 |
| F 29 | 20 58 51 | 13°25'33 | 4♐ 9 | 23°18 | 0♌34 | 15°46 | 15°26 | 0°55 | 18°22 | 8°37 | 10°42 | 29°10 | 0°23 | 5° 5 | 0°17 | F 29 |
| S 30 | 21 2 47 | 14°23'13 | 16°57 | 22°33 | 1°48 | 16° 6 | 15°39 | 0°50 | 18°26 | 8°37 | 10°42 | 29° 6 | 0°20 | 5°12 | 0°14 | S 30 |
| S 31 | 21 6 44 | 15♌20'54 | 29♐32 | 21♌46 | 3♌ 2 | 16♈25 | 15♋51 | 0♒46 | 18♌30 | 8♈36 | 10♉42 | 29♓ 0 | 0♈17 | 5♓18 | 0♒11 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n29 | 22s45 | 4s 1 | 17n 9 | 0n10 | 23n 6 | 0s22 | 1s54 | 3s30 | 23n16 | 0n 4 | 20s11 | 0s38 | 16n32 | 0n41 | 2n 0 | 1s37 | 0n34 | 15s12 | 0n33 | 0n45 | 13s12 | 12s39 | 7n21 |
| S 2 | 22 22 | 26 6 | 4 36 | 16 39 | 0s 1 | 23 10 | 0 20 | 1 42 | 3 31 | 23 15 | 0 5 | 20 12 | 0 38 | 16 31 | 0 41 | 2 0 | 1 37 | 0 34 | 15 12 | 0 30 | 0 44 | 13 9 | 12 40 | 7 21 |
| S 3 | 22 14 | 28 3 | 4 56 | 16 9 | 0 11 | 23 14 | 0 17 | 1 31 | 3 33 | 23 14 | 0 5 | 20 13 | 0 38 | 16 30 | 0 41 | 2 0 | 1 37 | 0 34 | 15 13 | 0 26 | 0 42 | 13 6 | 12 40 | 7 21 |
| M 4 | 22 6 | 28 31 | 5 1 | 15 39 | 0 22 | 23 17 | 0 15 | 1 20 | 3 34 | 23 13 | 0 5 | 20 14 | 0 39 | 16 29 | 0 41 | 2 0 | 1 37 | 0 34 | 15 13 | 0 22 | 0 41 | 13 3 | 12 41 | 7 21 |
| T 5 | 21 58 | 27 31 | 4 52 | 15 9 | 0 33 | 23 19 | 0 12 | 1 9 | 3 36 | 23 13 | 0 5 | 20 15 | 0 39 | 16 28 | 0 41 | 2 0 | 1 38 | 0 34 | 15 13 | 0 17 | 0 40 | 13 0 | 12 42 | 7 21 |
| W 6 | 21 49 | 25 12 | 4 30 | 14 40 | 0 45 | 23 21 | 0 10 | 0 58 | 3 37 | 23 12 | 0 5 | 20 17 | 0 39 | 16 27 | 0 41 | 2 0 | 1 38 | 0 34 | 15 13 | 0 12 | 0 39 | 12 57 | 12 42 | 7 22 |
| T 7 | 21 40 | 21 46 | 3 55 | 14 11 | 0 56 | 23 21 | 0 7 | 0 48 | 3 38 | 23 11 | 0 5 | 20 18 | 0 39 | 16 26 | 0 41 | 2 0 | 1 38 | 0 33 | 15 14 | 0 8 | 0 37 | 12 54 | 12 43 | 7 22 |
| F 8 | 21 30 | 17 28 | 3 11 | 13 42 | 1 8 | 23 22 | 0 4 | 0 37 | 3 40 | 23 10 | 0 5 | 20 19 | 0 39 | 16 25 | 0 41 | 2 0 | 1 38 | 0 33 | 15 14 | 0 5 | 0 36 | 12 50 | 12 43 | 7 22 |
| S 9 | 21 20 | 12 32 | 2 18 | 13 14 | 1 20 | 23 21 | 0 2 | 0 27 | 3 41 | 23 9 | 0 5 | 20 20 | 0 39 | 16 24 | 0 41 | 2 0 | 1 38 | 0 33 | 15 14 | 0 2 | 0 35 | 12 47 | 12 44 | 7 22 |
| S 10 | 21 10 | 7 11 | 1 20 | 12 47 | 1 32 | 23 20 | 0n 1 | 0 16 | 3 43 | 23 8 | 0 5 | 20 21 | 0 39 | 16 23 | 0 41 | 2 0 | 1 38 | 0 33 | 15 14 | 0 1 | 0 33 | 12 44 | 12 45 | 7 22 |
| M11 | 20 59 | 1 35 | 0 18 | 12 21 | 1 45 | 23 18 | 0 3 | 0 6 | 3 44 | 23 7 | 0 5 | 20 22 | 0 39 | 16 21 | 0 41 | 2 0 | 1 38 | 0 33 | 15 15 | 0 0 | 0 32 | 12 41 | 12 45 | 7 22 |
| T 12 | 20 48 | 4n 7 | 0n46 | 11 56 | 1 57 | 23 16 | 0 6 | 0n 4 | 3 45 | 23 6 | 0 6 | 20 23 | 0 39 | 16 20 | 0 41 | 1 59 | 1 38 | 0 33 | 15 15 | 0 1 | 0 31 | 12 38 | 12 46 | 7 22 |
| W13 | 20 37 | 9 46 | 1 48 | 11 32 | 2 10 | 23 13 | 0 8 | 0 14 | 3 47 | 23 4 | 0 6 | 20 24 | 0 39 | 16 19 | 0 41 | 1 59 | 1 38 | 0 33 | 15 15 | 0 1 | 0 30 | 12 35 | 12 47 | 7 22 |
| T 14 | 20 25 | 15 9 | 2 47 | 11 9 | 2 23 | 23 9 | 0 11 | 0 23 | 3 48 | 23 3 | 0 6 | 20 25 | 0 39 | 16 18 | 0 41 | 1 59 | 1 38 | 0 33 | 15 16 | 0 1 | 0 28 | 12 31 | 12 47 | 7 22 |
| F 15 | 20 13 | 20 3 | 3 39 | 10 47 | 2 35 | 23 4 | 0 13 | 0 33 | 3 49 | 23 2 | 0 6 | 20 26 | 0 40 | 16 17 | 0 41 | 1 59 | 1 38 | 0 32 | 15 16 | 0 0 | 0 27 | 12 28 | 12 48 | 7 22 |
| S 16 | 20 1 | 24 10 | 4 22 | 10 27 | 2 48 | 22 59 | 0 16 | 0 42 | 3 51 | 23 1 | 0 6 | 20 27 | 0 40 | 16 16 | 0 41 | 1 59 | 1 38 | 0 32 | 15 16 | 0s 1 | 0 26 | 12 25 | 12 49 | 7 22 |
| S 17 | 19 48 | 27 8 | 4 51 | 10 8 | 3 0 | 22 53 | 0 18 | 0 51 | 3 52 | 23 0 | 0 6 | 20 29 | 0 40 | 16 15 | 0 41 | 1 58 | 1 38 | 0 32 | 15 16 | 0 3 | 0 25 | 12 22 | 12 50 | 7 22 |
| M18 | 19 35 | 28 33 | 5 5 | 9 51 | 3 13 | 22 46 | 0 21 | 1 0 | 3 53 | 22 59 | 0 6 | 20 30 | 0 40 | 16 14 | 0 41 | 1 58 | 1 38 | 0 32 | 15 17 | 0 6 | 0 23 | 12 19 | 12 50 | 7 22 |
| T 19 | 19 22 | 28 5 | 5 0 | 9 36 | 3 24 | 22 39 | 0 23 | 1 9 | 3 55 | 22 58 | 0 6 | 20 31 | 0 40 | 16 13 | 0 41 | 1 58 | 1 38 | 0 32 | 15 17 | 0 9 | 0 22 | 12 16 | 12 51 | 7 22 |
| W20 | 19 8 | 25 39 | 4 35 | 9 24 | 3 36 | 22 31 | 0 25 | 1 17 | 3 56 | 22 56 | 0 6 | 20 32 | 0 40 | 16 11 | 0 41 | 1 58 | 1 38 | 0 31 | 15 17 | 0 13 | 0 21 | 12 12 | 12 52 | 7 22 |
| T 21 | 18 54 | 21 25 | 3 51 | 9 13 | 3 47 | 22 23 | 0 28 | 1 26 | 3 57 | 22 55 | 0 6 | 20 33 | 0 40 | 16 10 | 0 41 | 1 57 | 1 38 | 0 31 | 15 18 | 0 16 | 0 20 | 12 9 | 12 53 | 7 22 |
| F 22 | 18 40 | 15 45 | 2 51 | 9 5 | 3 58 | 22 13 | 0 30 | 1 34 | 3 58 | 22 54 | 0 7 | 20 34 | 0 40 | 16 9 | 0 41 | 1 57 | 1 39 | 0 31 | 15 18 | 0 18 | 0 18 | 12 6 | 12 53 | 7 22 |
| S 23 | 18 25 | 9 11 | 1 39 | 8 59 | 4 7 | 22 3 | 0 32 | 1 42 | 4 0 | 22 53 | 0 7 | 20 35 | 0 40 | 16 8 | 0 41 | 1 57 | 1 39 | 0 31 | 15 18 | 0 19 | 0 17 | 12 3 | 12 54 | 7 21 |
| S 24 | 18 10 | 2 12 | 0 21 | 8 55 | 4 16 | 21 53 | 0 35 | 1 50 | 4 1 | 22 51 | 0 7 | 20 36 | 0 40 | 16 7 | 0 41 | 1 57 | 1 39 | 0 31 | 15 18 | 0 20 | 0 16 | 12 0 | 12 55 | 7 21 |
| M25 | 17 55 | 4s45 | 0s57 | 8 55 | 4 24 | 21 42 | 0 37 | 1 58 | 4 2 | 22 50 | 0 7 | 20 37 | 0 40 | 16 6 | 0 41 | 1 56 | 1 39 | 0 30 | 15 19 | 0 20 | 0 14 | 11 56 | 12 56 | 7 21 |
| T 26 | 17 39 | 11 19 | 2 9 | 8 57 | 4 31 | 21 30 | 0 39 | 2 5 | 4 3 | 22 49 | 0 7 | 20 38 | 0 40 | 16 5 | 0 41 | 1 56 | 1 39 | 0 30 | 15 19 | 0 19 | 0 13 | 11 53 | 12 56 | 7 21 |
| W27 | 17 23 | 17 9 | 3 12 | 9 2 | 4 37 | 21 17 | 0 41 | 2 12 | 4 4 | 22 47 | 0 7 | 20 39 | 0 41 | 16 3 | 0 41 | 1 56 | 1 39 | 0 30 | 15 19 | 0 19 | 0 12 | 11 50 | 12 57 | 7 21 |
| T 28 | 17 7 | 22 0 | 4 3 | 9 9 | 4 41 | 21 4 | 0 43 | 2 19 | 4 5 | 22 46 | 0 7 | 20 40 | 0 41 | 16 2 | 0 41 | 1 55 | 1 39 | 0 30 | 15 20 | 0 19 | 0 11 | 11 47 | 12 58 | 7 21 |
| F 29 | 16 51 | 25 38 | 4 40 | 9 20 | 4 44 | 20 50 | 0 45 | 2 26 | 4 7 | 22 45 | 0 7 | 20 41 | 0 41 | 16 1 | 0 41 | 1 55 | 1 39 | 0 29 | 15 20 | 0 20 | 0 9 | 11 44 | 12 59 | 7 21 |
| S 30 | 16 34 | 27 53 | 5 2 | 9 33 | 4 45 | 20 36 | 0 47 | 2 33 | 4 8 | 22 43 | 0 7 | 20 42 | 0 41 | 16 0 | 0 41 | 1 55 | 1 39 | 0 29 | 15 20 | 0 22 | 0 8 | 11 40 | 13 0 | 7 21 |
| S 31 | 16n17 | 28s40 | 5s 9 | 9n49 | 4s44 | 20n21 | 0n49 | 2n39 | 4s 9 | 22n42 | 0n 7 | 20s43 | 0s41 | 15n59 | 0n41 | 1n54 | 1s39 | 0n29 | 15s20 | 0s24 | 0n 7 | 11s37 | 13s 0 | 7n20 |

Julian Day Number = 2222727.5, Delta T = 08m34s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'05, Lahiri = 15°07'05 Julian Calendar 1 July 1373 == Greg. Calendar 9 July 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## AUGUST 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 10 41 | 16♌18'36 | 11♑54 | 20°R56 | 4♌16 | 16♈44 | 16♋ 4 | 0°R42 | 18♌33 | 8°R35 | 10♉42 | 28°R53 | 0♈14 | 5♓25 | 0°R 8 | M 1 |
| T 2 | 21 14 37 | 17°16'20 | 24° 6 | 20♌ 4 | 5°29 | 17° 2 | 16°16 | 0♒38 | 18°37 | 8♈34 | 10°R42 | 28♓46 | 0°11 | 5°32 | 0♒ 5 | T 2 |
| W 3 | 21 18 34 | 18°14'05 | 6♒10 | 19°11 | 6°43 | 17°19 | 16°29 | 0°33 | 18°41 | 8°33 | 10°42 | 28°38 | 0° 8 | 5°38 | 0° 2 | W 3 |
| T 4 | 21 22 30 | 19°11'51 | 18° 6 | 18°19 | 7°57 | 17°36 | 16°41 | 0°29 | 18°45 | 8°32 | 10°42 | 28°32 | 0° 4 | 5°45 | 29♑59 | T 4 |
| F 5 | 21 26 27 | 20° 9'38 | 29°58 | 17°29 | 9°11 | 17°52 | 16°53 | 0°25 | 18°48 | 8°31 | 10°42 | 28°27 | 0° 1 | 5°52 | 29°56 | F 5 |
| S 6 | 21 30 23 | 21° 7'27 | 11♓46 | 16°40 | 10°25 | 18° 7 | 17° 6 | 0°21 | 18°52 | 8°30 | 10°42 | 28°24 | 29♓58 | 5°58 | 29°53 | S 6 |
| S 7 | 21 34 20 | 22° 5'18 | 23°34 | 15°56 | 11°40 | 18°22 | 17°18 | 0°17 | 18°56 | 8°29 | 10°42 | 28°D22 | 29°55 | 6° 5 | 29°50 | S 7 |
| M 8 | 21 38 16 | 23° 3'10 | 5♈23 | 15°15 | 12°54 | 18°36 | 17°30 | 0°13 | 19° 0 | 8°28 | 10°42 | 28°22 | 29°52 | 6°12 | 29°47 | M 8 |
| T 9 | 21 42 13 | 24° 1'04 | 17°18 | 14°41 | 14° 8 | 18°49 | 17°42 | 0° 9 | 19° 3 | 8°27 | 10°42 | 28°24 | 29°49 | 6°18 | 29°44 | T 9 |
| W10 | 21 46 10 | 24°59'00 | 29°23 | 14°12 | 15°22 | 19° 2 | 17°54 | 0° 5 | 19° 7 | 8°26 | 10°41 | 28°25 | 29°45 | 6°25 | 29°41 | W10 |
| T 11 | 21 50 6 | 25°56'58 | 11♉41 | 13°50 | 16°36 | 19°14 | 18° 6 | 0° 2 | 19°11 | 8°25 | 10°41 | 28°27 | 29°42 | 6°32 | 29°38 | T 11 |
| F 12 | 21 54 3 | 26°54'57 | 24°17 | 13°36 | 17°50 | 19°25 | 18°18 | 29♑58 | 19°15 | 8°24 | 10°41 | 28°R28 | 29°39 | 6°38 | 29°35 | F 12 |
| S 13 | 21 57 59 | 27°52'59 | 7♊16 | 13°D30 | 19° 5 | 19°35 | 18°30 | 29°54 | 19°18 | 8°23 | 10°41 | 28°27 | 29°36 | 6°45 | 29°33 | S 13 |
| S 14 | 22 1 56 | 28°51'02 | 20°41 | 13°32 | 20°19 | 19°45 | 18°41 | 29°50 | 19°22 | 8°21 | 10°41 | 28°26 | 29°33 | 6°52 | 29°30 | S 14 |
| M15 | 22 5 52 | 29°49'08 | 4♋34 | 13°42 | 21°33 | 19°53 | 18°53 | 29°47 | 19°26 | 8°20 | 10°40 | 28°23 | 29°29 | 6°58 | 29°27 | M15 |
| T 16 | 22 9 49 | 0♍47'16 | 18°54 | 14° 1 | 22°48 | 20° 1 | 19° 5 | 29°43 | 19°29 | 8°19 | 10°40 | 28°19 | 29°26 | 7° 5 | 29°24 | T 16 |
| W17 | 22 13 45 | 1°45'25 | 3♌39 | 14°28 | 24° 2 | 20° 8 | 19°16 | 29°40 | 19°33 | 8°18 | 10°40 | 28°15 | 29°23 | 7°12 | 29°22 | W17 |
| T 18 | 22 17 42 | 2°43'36 | 18°42 | 15° 4 | 25°16 | 20°15 | 19°28 | 29°37 | 19°37 | 8°16 | 10°40 | 28°12 | 29°20 | 7°18 | 29°19 | T 18 |
| F 19 | 22 21 39 | 3°41'49 | 3♍54 | 15°48 | 26°31 | 20°20 | 19°39 | 29°33 | 19°40 | 8°15 | 10°39 | 28°10 | 29°17 | 7°25 | 29°17 | F 19 |
| S 20 | 22 25 35 | 4°40'04 | 19° 6 | 16°40 | 27°45 | 20°25 | 19°50 | 29°30 | 19°44 | 8°14 | 10°39 | 28° 8 | 29°14 | 7°32 | 29°14 | S 20 |
| S 21 | 22 29 32 | 5°38'20 | 4♎ 8 | 17°39 | 29° 0 | 20°28 | 20° 2 | 29°27 | 19°48 | 8°13 | 10°38 | 28°D 8 | 29°10 | 7°38 | 29°12 | S 21 |
| M22 | 22 33 28 | 6°36'39 | 18°52 | 18°45 | 0♍14 | 20°31 | 20°13 | 29°24 | 19°51 | 8°11 | 10°38 | 28° 9 | 29° 7 | 7°45 | 29°10 | M22 |
| T 23 | 22 37 25 | 7°34'58 | 3♏13 | 19°58 | 1°29 | 20°33 | 20°24 | 29°21 | 19°55 | 8°10 | 10°38 | 28°10 | 29° 4 | 7°52 | 29° 7 | T 23 |
| W24 | 22 41 21 | 8°33'20 | 17° 8 | 21°16 | 2°43 | 20°34 | 20°35 | 29°18 | 19°59 | 8° 8 | 10°37 | 28°12 | 29° 1 | 7°58 | 29° 5 | W24 |
| T 25 | 22 45 18 | 9°31'43 | 0♐38 | 22°40 | 3°58 | 20°R35 | 20°46 | 29°15 | 20° 2 | 8° 7 | 10°37 | 28°12 | 28°58 | 8° 5 | 29° 3 | T 25 |
| F 26 | 22 49 14 | 10°30'07 | 13°44 | 24°10 | 5°13 | 20°34 | 20°57 | 29°12 | 20° 6 | 8° 6 | 10°36 | 28°R13 | 28°54 | 8°12 | 29° 1 | F 26 |
| S 27 | 22 53 11 | 11°28'33 | 26°29 | 25°43 | 6°27 | 20°32 | 21° 7 | 29° 9 | 20° 9 | 8° 4 | 10°36 | 28°12 | 28°51 | 8°18 | 28°58 | S 27 |
| S 28 | 22 57 8 | 12°27'01 | 8♑56 | 27°20 | 7°42 | 20°30 | 21°18 | 29° 7 | 20°13 | 8° 3 | 10°35 | 28°11 | 28°48 | 8°25 | 28°56 | S 28 |
| M29 | 23 1 4 | 13°25'31 | 21° 9 | 29° 1 | 8°56 | 20°27 | 21°29 | 29° 4 | 20°16 | 8° 1 | 10°35 | 28° 9 | 28°45 | 8°32 | 28°54 | M29 |
| T 30 | 23 5 1 | 14°24'02 | 3♒12 | 0♍44 | 10°11 | 20°23 | 21°39 | 29° 2 | 20°20 | 8° 0 | 10°34 | 28° 7 | 28°42 | 8°38 | 28°52 | T 30 |
| W31 | 23 8 57 | 15♍22'35 | 15♒ 8 | 2♍30 | 11♍26 | 20♈18 | 21♋49 | 28♑59 | 20♌23 | 7♈58 | 10♉34 | 28♓ 5 | 28♓39 | 8♓45 | 28♑51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n 0 | 27s59 | 5s 1 | 10n 7 | 4s41 | 20n 6 | 0n51 | 2n45 | 4s10 | 22n41 | 0n 8 | 20s44 | 0s41 | 15n58 | 0n41 | 1n54 | 1s39 | 0n29 | 15s21 | 0s27 | 0n 6 | 11s34 | 13s 1 | 7n20 |
| T 2 | 15 43 | 25 57 | 4 39 | 10 28 | 4 37 | 19 49 | 0 53 | 2 51 | 4 11 | 22 39 | 0 8 | 20 45 | 0 41 | 15 56 | 0 41 | 1 53 | 1 39 | 0 28 | 15 21 | 0 30 | 0 4 | 11 31 | 13 2 | 7 20 |
| W 3 | 15 25 | 22 46 | 4 6 | 10 50 | 4 31 | 19 33 | 0 55 | 2 57 | 4 12 | 22 38 | 0 8 | 20 46 | 0 41 | 15 55 | 0 41 | 1 53 | 1 39 | 0 28 | 15 21 | 0 33 | 0 3 | 11 28 | 13 3 | 7 20 |
| T 4 | 15 7 | 18 39 | 3 21 | 11 14 | 4 22 | 19 16 | 0 57 | 3 2 | 4 12 | 22 37 | 0 8 | 20 47 | 0 41 | 15 54 | 0 41 | 1 53 | 1 39 | 0 28 | 15 22 | 0 35 | 0 2 | 11 24 | 13 4 | 7 20 |
| F 5 | 14 49 | 13 50 | 2 28 | 11 39 | 4 12 | 18 58 | 0 59 | 3 8 | 4 13 | 22 35 | 0 8 | 20 48 | 0 41 | 15 53 | 0 41 | 1 52 | 1 39 | 0 28 | 15 22 | 0 37 | 0 0 | 11 21 | 13 4 | 7 20 |
| S 6 | 14 30 | 8 33 | 1 29 | 12 4 | 4 1 | 18 39 | 1 0 | 3 13 | 4 14 | 22 34 | 0 8 | 20 49 | 0 41 | 15 52 | 0 41 | 1 52 | 1 39 | 0 27 | 15 22 | 0 38 | 0s 1 | 11 18 | 13 5 | 7 19 |
| S 7 | 14 12 | 2 58 | 0 26 | 12 30 | 3 47 | 18 21 | 1 2 | 3 18 | 4 15 | 22 32 | 0 8 | 20 50 | 0 41 | 15 51 | 0 41 | 1 51 | 1 39 | 0 27 | 15 22 | 0 39 | 0 2 | 11 15 | 13 6 | 7 19 |
| M 8 | 13 53 | 2n44 | 0n38 | 12 56 | 3 32 | 18 1 | 1 4 | 3 22 | 4 16 | 22 31 | 0 8 | 20 51 | 0 41 | 15 49 | 0 41 | 1 51 | 1 39 | 0 27 | 15 23 | 0 39 | 0 3 | 11 12 | 13 7 | 7 19 |
| T 9 | 13 34 | 8 23 | 1 42 | 13 21 | 3 17 | 17 41 | 1 5 | 3 27 | 4 16 | 22 29 | 0 8 | 20 52 | 0 41 | 15 48 | 0 41 | 1 50 | 1 39 | 0 26 | 15 23 | 0 39 | 0 5 | 11 8 | 13 8 | 7 19 |
| W10 | 13 14 | 13 48 | 2 42 | 13 46 | 3 0 | 17 21 | 1 7 | 3 31 | 4 17 | 22 28 | 0 9 | 20 53 | 0 41 | 15 47 | 0 41 | 1 50 | 1 39 | 0 26 | 15 23 | 0 38 | 0 6 | 11 5 | 13 8 | 7 18 |
| T 11 | 12 55 | 18 48 | 3 35 | 14 9 | 2 42 | 17 0 | 1 8 | 3 35 | 4 18 | 22 26 | 0 9 | 20 54 | 0 42 | 15 46 | 0 41 | 1 49 | 1 40 | 0 26 | 15 24 | 0 37 | 0 7 | 11 2 | 13 9 | 7 18 |
| F 12 | 12 35 | 23 6 | 4 20 | 14 30 | 2 24 | 16 39 | 1 10 | 3 38 | 4 18 | 22 25 | 0 9 | 20 54 | 0 42 | 15 45 | 0 41 | 1 49 | 1 40 | 0 25 | 15 24 | 0 37 | 0 8 | 10 59 | 13 10 | 7 18 |
| S 13 | 12 15 | 26 24 | 4 53 | 14 50 | 2 5 | 16 17 | 1 11 | 3 42 | 4 19 | 22 23 | 0 9 | 20 55 | 0 42 | 15 44 | 0 41 | 1 49 | 1 40 | 0 25 | 15 24 | 0 37 | 0 10 | 10 55 | 13 11 | 7 18 |
| S 14 | 11 55 | 28 22 | 5 11 | 15 7 | 1 47 | 15 54 | 1 12 | 3 45 | 4 19 | 22 22 | 0 9 | 20 56 | 0 42 | 15 43 | 0 41 | 1 48 | 1 40 | 0 25 | 15 24 | 0 38 | 0 11 | 10 52 | 13 12 | 7 17 |
| M15 | 11 35 | 28 38 | 5 12 | 15 21 | 1 28 | 15 32 | 1 13 | 3 47 | 4 20 | 22 20 | 0 9 | 20 57 | 0 42 | 15 41 | 0 41 | 1 47 | 1 40 | 0 24 | 15 25 | 0 39 | 0 12 | 10 49 | 13 13 | 7 17 |
| T 16 | 11 14 | 27 2 | 4 54 | 15 33 | 1 10 | 15 8 | 1 15 | 3 50 | 4 20 | 22 19 | 0 9 | 20 58 | 0 42 | 15 40 | 0 41 | 1 47 | 1 40 | 0 24 | 15 25 | 0 40 | 0 13 | 10 46 | 13 13 | 7 17 |
| W17 | 10 53 | 23 33 | 4 16 | 15 43 | 0 52 | 14 45 | 1 16 | 3 52 | 4 21 | 22 17 | 0 9 | 20 58 | 0 42 | 15 39 | 0 41 | 1 46 | 1 40 | 0 24 | 15 25 | 0 42 | 0 15 | 10 42 | 13 14 | 7 16 |
| T 18 | 10 32 | 18 27 | 3 20 | 15 49 | 0 35 | 14 21 | 1 17 | 3 54 | 4 21 | 22 16 | 0 10 | 20 59 | 0 42 | 15 38 | 0 41 | 1 46 | 1 40 | 0 23 | 15 26 | 0 43 | 0 16 | 10 39 | 13 15 | 7 16 |
| F 19 | 10 11 | 12 7 | 2 10 | 15 51 | 0 19 | 13 56 | 1 18 | 3 56 | 4 21 | 22 14 | 0 10 | 21 0 | 0 42 | 15 37 | 0 41 | 1 45 | 1 40 | 0 23 | 15 26 | 0 44 | 0 17 | 10 36 | 13 16 | 7 16 |
| S 20 | 9 50 | 5 5 | 0 50 | 15 51 | 0 3 | 13 32 | 1 19 | 3 58 | 4 21 | 22 13 | 0 10 | 21 1 | 0 42 | 15 36 | 0 41 | 1 45 | 1 40 | 0 23 | 15 26 | 0 45 | 0 19 | 10 33 | 13 17 | 7 15 |
| S 21 | 9 29 | 2s 9 | 0s33 | 15 47 | 0n12 | 13 6 | 1 20 | 3 59 | 4 22 | 22 11 | 0 10 | 21 1 | 0 42 | 15 34 | 0 41 | 1 44 | 1 40 | 0 22 | 15 26 | 0 45 | 0 20 | 10 29 | 13 17 | 7 15 |
| M22 | 9 7 | 9 8 | 1 52 | 15 40 | 0 26 | 12 41 | 1 20 | 4 0 | 4 22 | 22 10 | 0 10 | 21 2 | 0 42 | 15 33 | 0 41 | 1 44 | 1 40 | 0 22 | 15 27 | 0 44 | 0 21 | 10 26 | 13 18 | 7 15 |
| T 23 | 8 45 | 15 28 | 3 2 | 15 29 | 0 39 | 12 15 | 1 21 | 4 1 | 4 22 | 22 8 | 0 10 | 21 3 | 0 42 | 15 32 | 0 41 | 1 43 | 1 40 | 0 21 | 15 27 | 0 44 | 0 22 | 10 23 | 13 19 | 7 14 |
| W24 | 8 23 | 20 49 | 3 59 | 15 15 | 0 50 | 11 49 | 1 22 | 4 1 | 4 21 | 22 7 | 0 10 | 21 3 | 0 42 | 15 31 | 0 41 | 1 43 | 1 40 | 0 21 | 15 27 | 0 43 | 0 24 | 10 20 | 13 20 | 7 14 |
| T 25 | 8 1 | 24 55 | 4 40 | 14 58 | 1 1 | 11 22 | 1 22 | 4 2 | 4 21 | 22 5 | 0 10 | 21 4 | 0 42 | 15 30 | 0 41 | 1 42 | 1 40 | 0 21 | 15 27 | 0 43 | 0 25 | 10 16 | 13 21 | 7 14 |
| F 26 | 7 39 | 27 35 | 5 6 | 14 37 | 1 11 | 10 55 | 1 23 | 4 2 | 4 21 | 22 4 | 0 11 | 21 5 | 0 42 | 15 29 | 0 41 | 1 41 | 1 40 | 0 20 | 15 28 | 0 43 | 0 26 | 10 13 | 13 21 | 7 13 |
| S 27 | 7 17 | 28 44 | 5 16 | 14 14 | 1 19 | 10 28 | 1 23 | 4 1 | 4 21 | 22 2 | 0 11 | 21 5 | 0 42 | 15 28 | 0 41 | 1 41 | 1 40 | 0 20 | 15 28 | 0 43 | 0 27 | 10 10 | 13 22 | 7 13 |
| S 28 | 6 55 | 28 23 | 5 11 | 13 47 | 1 26 | 10 0 | 1 24 | 4 1 | 4 20 | 22 0 | 0 11 | 21 6 | 0 42 | 15 27 | 0 41 | 1 40 | 1 40 | 0 20 | 15 28 | 0 44 | 0 29 | 10 6 | 13 23 | 7 13 |
| M29 | 6 32 | 26 39 | 4 51 | 13 18 | 1 33 | 9 33 | 1 24 | 4 0 | 4 20 | 21 59 | 0 11 | 21 6 | 0 42 | 15 25 | 0 41 | 1 40 | 1 40 | 0 19 | 15 28 | 0 44 | 0 30 | 10 3 | 13 24 | 7 12 |
| T 30 | 6 10 | 23 42 | 4 19 | 12 47 | 1 38 | 9 5 | 1 25 | 3 59 | 4 19 | 21 57 | 0 11 | 21 7 | 0 42 | 15 24 | 0 41 | 1 39 | 1 40 | 0 19 | 15 29 | 0 45 | 0 31 | 10 0 | 13 24 | 7 12 |
| W31 | 5n47 | 19s47 | 3s36 | 12n13 | 1n42 | 8n36 | 1n25 | 3n58 | 4s18 | 21n56 | 0n11 | 21s 7 | 0s42 | 15n23 | 0n41 | 1n38 | 1s40 | 0n18 | 15s29 | 0s46 | 0s32 | 9s57 | 13s25 | 7n11 |

Julian Day Number = 2222758.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'09, Lahiri = 15°07'09 Julian Calendar 1 Aug. 1373 == Greg. Calendar 9 Aug. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## SEPTEMBER 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 12 54 | 16♍21'09 | 26♒58 | 4♍17 | 12♍40 | 20°R12 | 22♋ 0 | 28°R57 | 20♌27 | 7°R57 | 10°R33 | 28°R 3 | 28♓35 | 8♓51 | 28°R49 | T 1 |
| F 2 | 23 16 50 | 17°19'46 | 8♓47 | 6° 5 | 13°55 | 20♈ 5 | 22°10 | 28♏55 | 20°30 | 7♈55 | 10♉33 | 28♓ 2 | 28°32 | 8°58 | 28♏47 | F 2 |
| S 3 | 23 20 47 | 18°18'24 | 20°36 | 7°55 | 15°10 | 19°58 | 22°20 | 28°53 | 20°34 | 7°54 | 10°32 | 28° 1 | 28°29 | 9° 5 | 28°45 | S 3 |
| S 4 | 23 24 43 | 19°17'05 | 2♈27 | 9°45 | 16°25 | 19°49 | 22°30 | 28°50 | 20°37 | 7°52 | 10°31 | 28°D 1 | 28°26 | 9°11 | 28°44 | S 4 |
| M 5 | 23 28 40 | 20°15'47 | 14°22 | 11°36 | 17°39 | 19°40 | 22°40 | 28°49 | 20°40 | 7°50 | 10°31 | 28° 1 | 28°23 | 9°18 | 28°42 | M 5 |
| T 6 | 23 32 37 | 21°14'32 | 26°24 | 13°27 | 18°54 | 19°30 | 22°50 | 28°47 | 20°44 | 7°49 | 10°30 | 28° 2 | 28°20 | 9°25 | 28°40 | T 6 |
| W 7 | 23 36 33 | 22°13'19 | 8♉36 | 15°18 | 20° 9 | 19°19 | 22°59 | 28°45 | 20°47 | 7°47 | 10°29 | 28° 3 | 28°16 | 9°31 | 28°39 | W 7 |
| T 8 | 23 40 30 | 23°12'08 | 21° 0 | 17° 8 | 21°24 | 19° 8 | 23° 9 | 28°43 | 20°51 | 7°46 | 10°29 | 28° 3 | 28°13 | 9°38 | 28°37 | T 8 |
| F 9 | 23 44 26 | 24°10'59 | 3♊40 | 18°59 | 22°39 | 18°55 | 23°18 | 28°42 | 20°54 | 7°44 | 10°28 | 28° 4 | 28°10 | 9°45 | 28°36 | F 9 |
| S 10 | 23 48 23 | 25° 9'53 | 16°38 | 20°48 | 23°54 | 18°42 | 23°28 | 28°40 | 20°57 | 7°42 | 10°27 | 28° 4 | 28° 7 | 9°51 | 28°35 | S 10 |
| S 11 | 23 52 19 | 26° 8'49 | 29°58 | 22°38 | 25° 8 | 18°29 | 23°37 | 28°39 | 21° 0 | 7°41 | 10°26 | 28°R 4 | 28° 4 | 9°58 | 28°34 | S 11 |
| M12 | 23 56 16 | 27° 7'47 | 13♋41 | 24°26 | 26°23 | 18°14 | 23°46 | 28°37 | 21° 4 | 7°39 | 10°26 | 28° 4 | 28° 0 | 10° 5 | 28°32 | M12 |
| T 13 | 0 0 12 | 28° 6'48 | 27°48 | 26°14 | 27°38 | 17°59 | 23°55 | 28°36 | 21° 7 | 7°38 | 10°25 | 28°D 4 | 27°57 | 10°11 | 28°31 | T 13 |
| W14 | 0 4 9 | 29° 5'51 | 12♌17 | 28° 2 | 28°53 | 17°43 | 24° 4 | 28°35 | 21°10 | 7°36 | 10°24 | 28° 4 | 27°54 | 10°18 | 28°30 | W14 |
| T 15 | 0 8 6 | 0♎ 4'56 | 27° 6 | 29°48 | 0♎ 8 | 17°27 | 24°13 | 28°34 | 21°13 | 7°34 | 10°23 | 28° 4 | 27°51 | 10°25 | 28°29 | T 15 |
| F 16 | 0 12 2 | 1° 4'04 | 12♍ 8 | 1♎34 | 1°23 | 17°10 | 24°21 | 28°33 | 21°16 | 7°33 | 10°22 | 28° 4 | 27°48 | 10°31 | 28°28 | F 16 |
| S 17 | 0 15 59 | 2° 3'13 | 27°15 | 3°19 | 2°38 | 16°53 | 24°30 | 28°32 | 21°19 | 7°31 | 10°22 | 28°R 4 | 27°45 | 10°38 | 28°28 | S 17 |
| S 18 | 0 19 55 | 3° 2'25 | 12♎18 | 5° 3 | 3°53 | 16°35 | 24°38 | 28°32 | 21°22 | 7°29 | 10°21 | 28° 4 | 27°41 | 10°45 | 28°27 | S 18 |
| M19 | 0 23 52 | 4° 1'39 | 27° 8 | 6°46 | 5° 8 | 16°17 | 24°46 | 28°31 | 21°25 | 7°28 | 10°20 | 28° 4 | 27°38 | 10°51 | 28°26 | M19 |
| T 20 | 0 27 48 | 5° 0'54 | 11♏39 | 8°28 | 6°23 | 15°58 | 24°55 | 28°30 | 21°28 | 7°26 | 10°19 | 28° 3 | 27°35 | 10°58 | 28°25 | T 20 |
| W21 | 0 31 45 | 6° 0'12 | 25°44 | 10°10 | 7°38 | 15°39 | 25° 3 | 28°30 | 21°31 | 7°24 | 10°18 | 28° 2 | 27°32 | 11° 5 | 28°25 | W21 |
| T 22 | 0 35 41 | 6°59'32 | 9♐23 | 11°51 | 8°53 | 15°20 | 25°11 | 28°30 | 21°34 | 7°23 | 10°17 | 28° 1 | 27°29 | 11°11 | 28°24 | T 22 |
| F 23 | 0 39 38 | 7°58'53 | 22°35 | 13°31 | 10° 8 | 15° 1 | 25°18 | 28°29 | 21°37 | 7°21 | 10°16 | 28° 0 | 27°26 | 11°18 | 28°24 | F 23 |
| S 24 | 0 43 35 | 8°58'16 | 5♑22 | 15°10 | 11°23 | 14°42 | 25°26 | 28°29 | 21°40 | 7°19 | 10°15 | 28°D 0 | 27°22 | 11°24 | 28°23 | S 24 |
| S 25 | 0 47 31 | 9°57'41 | 17°50 | 16°49 | 12°38 | 14°22 | 25°33 | 28°D29 | 21°43 | 7°18 | 10°14 | 28° 0 | 27°19 | 11°31 | 28°23 | S 25 |
| M26 | 0 51 28 | 10°57'08 | 0♒ 0 | 18°27 | 13°53 | 14° 3 | 25°41 | 28°29 | 21°45 | 7°16 | 10°13 | 28° 1 | 27°16 | 11°38 | 28°23 | M26 |
| T 27 | 0 55 24 | 11°56'36 | 11°59 | 20° 4 | 15° 8 | 13°43 | 25°48 | 28°30 | 21°48 | 7°14 | 10°12 | 28° 2 | 27°13 | 11°44 | 28°23 | T 27 |
| W28 | 0 59 21 | 12°56'07 | 23°50 | 21°41 | 16°24 | 13°24 | 25°55 | 28°30 | 21°51 | 7°13 | 10°11 | 28° 3 | 27°10 | 11°51 | 28°23 | W28 |
| T 29 | 1 3 17 | 13°55'39 | 5♓38 | 23°16 | 17°39 | 13° 4 | 26° 2 | 28°30 | 21°53 | 7°11 | 10°10 | 28° 5 | 27° 6 | 11°58 | 28°D23 | T 29 |
| F 30 | 1 7 14 | 14♎55'13 | 17♓27 | 24♎52 | 18♎54 | 12♈45 | 26♋ 9 | 28♏31 | 21♌56 | 7♈ 9 | 10♉ 9 | 28♓ 6 | 27♓ 3 | 12♓ 4 | 28♏23 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n24 | 15s 8 | 2s44 | 11n37 | 1n46 | 8n 8 | 1n25 | 3n57 | 4s18 | 21n54 | 0n11 | 21s 8 | 0s42 | 15n22 | 0n41 | 1n38 | 1s40 | 0n18 | 15s29 | 0s47 | 0s34 | 9s53 | 13s26 | 7n11 |
| F 2 | 5 1 | 9 55 | 1 45 | 10 59 | 1 48 | 7 39 | 1 25 | 3 55 | 4 17 | 21 53 | 0 11 | 21 8 | 0 42 | 15 21 | 0 41 | 1 37 | 1 40 | 0 18 | 15 29 | 0 47 | 0 35 | 9 50 | 13 27 | 7 11 |
| S 3 | 4 38 | 4 22 | 0 41 | 10 20 | 1 50 | 7 10 | 1 25 | 3 53 | 4 16 | 21 51 | 0 12 | 21 9 | 0 42 | 15 20 | 0 41 | 1 36 | 1 40 | 0 17 | 15 30 | 0 47 | 0 36 | 9 47 | 13 27 | 7 10 |
| S 4 | 4 15 | 1n21 | 0n25 | 9 39 | 1 50 | 6 41 | 1 25 | 3 51 | 4 14 | 21 50 | 0 12 | 21 9 | 0 42 | 15 19 | 0 41 | 1 36 | 1 40 | 0 17 | 15 30 | 0 47 | 0 38 | 9 44 | 13 28 | 7 10 |
| M 5 | 3 52 | 7 4 | 1 30 | 8 56 | 1 51 | 6 12 | 1 25 | 3 49 | 4 13 | 21 48 | 0 12 | 21 10 | 0 42 | 15 18 | 0 41 | 1 35 | 1 40 | 0 16 | 15 30 | 0 47 | 0 39 | 9 40 | 13 29 | 7 9 |
| T 6 | 3 29 | 12 34 | 2 31 | 8 13 | 1 50 | 5 42 | 1 25 | 3 46 | 4 12 | 21 47 | 0 12 | 21 10 | 0 42 | 15 17 | 0 41 | 1 34 | 1 40 | 0 16 | 15 30 | 0 47 | 0 40 | 9 37 | 13 30 | 7 9 |
| W 7 | 3 6 | 17 41 | 3 27 | 7 29 | 1 49 | 5 13 | 1 25 | 3 43 | 4 11 | 21 45 | 0 12 | 21 11 | 0 42 | 15 16 | 0 41 | 1 34 | 1 40 | 0 16 | 15 31 | 0 47 | 0 41 | 9 34 | 13 30 | 7 8 |
| T 8 | 2 42 | 22 9 | 4 14 | 6 44 | 1 47 | 4 43 | 1 24 | 3 41 | 4 9 | 21 44 | 0 12 | 21 11 | 0 43 | 15 15 | 0 41 | 1 33 | 1 40 | 0 15 | 15 31 | 0 47 | 0 43 | 9 30 | 13 31 | 7 8 |
| F 9 | 2 19 | 25 42 | 4 50 | 5 58 | 1 44 | 4 13 | 1 24 | 3 37 | 4 7 | 21 42 | 0 12 | 21 11 | 0 43 | 15 14 | 0 41 | 1 33 | 1 40 | 0 15 | 15 31 | 0 46 | 0 44 | 9 27 | 13 32 | 7 8 |
| S 10 | 1 56 | 28 1 | 5 11 | 5 12 | 1 41 | 3 43 | 1 23 | 3 34 | 4 6 | 21 41 | 0 12 | 21 12 | 0 43 | 15 13 | 0 41 | 1 32 | 1 40 | 0 14 | 15 31 | 0 46 | 0 45 | 9 24 | 13 32 | 7 7 |
| S 11 | 1 32 | 28 49 | 5 18 | 4 26 | 1 38 | 3 12 | 1 23 | 3 31 | 4 4 | 21 39 | 0 13 | 21 12 | 0 43 | 15 12 | 0 41 | 1 31 | 1 40 | 0 14 | 15 31 | 0 46 | 0 46 | 9 20 | 13 33 | 7 7 |
| M12 | 1 9 | 27 54 | 5 6 | 3 39 | 1 34 | 2 42 | 1 22 | 3 27 | 4 2 | 21 38 | 0 13 | 21 12 | 0 43 | 15 11 | 0 41 | 1 31 | 1 40 | 0 14 | 15 32 | 0 46 | 0 48 | 9 17 | 13 34 | 7 6 |
| T 13 | 0 45 | 25 11 | 4 36 | 2 52 | 1 30 | 2 12 | 1 22 | 3 23 | 4 0 | 21 37 | 0 13 | 21 12 | 0 43 | 15 10 | 0 41 | 1 30 | 1 41 | 0 13 | 15 32 | 0 46 | 0 49 | 9 14 | 13 34 | 7 6 |
| W14 | 0 22 | 20 49 | 3 48 | 2 5 | 1 25 | 1 41 | 1 21 | 3 19 | 3 57 | 21 35 | 0 13 | 21 13 | 0 43 | 15 9 | 0 41 | 1 29 | 1 41 | 0 13 | 15 32 | 0 46 | 0 50 | 9 11 | 13 35 | 7 5 |
| T 15 | 0s 2 | 15 5 | 2 44 | 1 18 | 1 20 | 1 10 | 1 20 | 3 15 | 3 55 | 21 34 | 0 13 | 21 13 | 0 43 | 15 8 | 0 41 | 1 29 | 1 41 | 0 12 | 15 32 | 0 46 | 0 51 | 9 7 | 13 36 | 7 5 |
| F 16 | 0 26 | 8 23 | 1 27 | 0 31 | 1 15 | 0 40 | 1 20 | 3 11 | 3 53 | 21 32 | 0 13 | 21 13 | 0 43 | 15 7 | 0 41 | 1 28 | 1 41 | 0 12 | 15 32 | 0 46 | 0 53 | 9 4 | 13 36 | 7 4 |
| S 17 | 0 49 | 1 10 | 0 5 | 0s15 | 1 10 | 0 9 | 1 19 | 3 7 | 3 50 | 21 31 | 0 13 | 21 13 | 0 43 | 15 6 | 0 41 | 1 27 | 1 41 | 0 11 | 15 33 | 0 46 | 0 54 | 9 1 | 13 37 | 7 4 |
| S 18 | 1 13 | 6s 5 | 1s18 | 1 2 | 1 4 | 0s22 | 1 18 | 3 3 | 3 47 | 21 30 | 0 14 | 21 13 | 0 43 | 15 5 | 0 41 | 1 27 | 1 41 | 0 11 | 15 33 | 0 46 | 0 55 | 8 57 | 13 38 | 7 3 |
| M19 | 1 36 | 12 54 | 2 35 | 1 48 | 0 58 | 0 52 | 1 17 | 2 58 | 3 44 | 21 28 | 0 14 | 21 14 | 0 43 | 15 4 | 0 41 | 1 26 | 1 41 | 0 11 | 15 33 | 0 46 | 0 57 | 8 54 | 13 38 | 7 3 |
| T 20 | 2 0 | 18 51 | 3 39 | 2 35 | 0 52 | 1 23 | 1 16 | 2 54 | 3 42 | 21 27 | 0 14 | 21 14 | 0 43 | 15 3 | 0 41 | 1 25 | 1 41 | 0 10 | 15 33 | 0 47 | 0 58 | 8 51 | 13 39 | 7 3 |
| W21 | 2 24 | 23 36 | 4 28 | 3 20 | 0 46 | 1 54 | 1 15 | 2 49 | 3 39 | 21 26 | 0 14 | 21 14 | 0 43 | 15 2 | 0 41 | 1 25 | 1 41 | 0 10 | 15 33 | 0 47 | 0 59 | 8 47 | 13 39 | 7 2 |
| T 22 | 2 47 | 26 53 | 5 1 | 4 6 | 0 39 | 2 24 | 1 14 | 2 45 | 3 35 | 21 24 | 0 14 | 21 14 | 0 43 | 15 1 | 0 41 | 1 24 | 1 41 | 0 9 | 15 33 | 0 47 | 1 0 | 8 44 | 13 40 | 7 2 |
| F 23 | 3 11 | 28 34 | 5 16 | 4 51 | 0 33 | 2 55 | 1 12 | 2 40 | 3 32 | 21 23 | 0 14 | 21 14 | 0 43 | 15 0 | 0 41 | 1 23 | 1 41 | 0 9 | 15 34 | 0 48 | 1 2 | 8 41 | 13 41 | 7 1 |
| S 24 | 3 34 | 28 39 | 5 15 | 5 35 | 0 26 | 3 26 | 1 11 | 2 36 | 3 29 | 21 22 | 0 14 | 21 14 | 0 43 | 14 59 | 0 42 | 1 23 | 1 41 | 0 9 | 15 34 | 0 48 | 1 3 | 8 37 | 13 41 | 7 1 |
| S 25 | 3 58 | 27 16 | 4 59 | 6 20 | 0 20 | 3 56 | 1 10 | 2 32 | 3 25 | 21 21 | 0 15 | 21 14 | 0 43 | 14 58 | 0 42 | 1 22 | 1 41 | 0 8 | 15 34 | 0 48 | 1 4 | 8 34 | 13 42 | 7 0 |
| M26 | 4 21 | 24 36 | 4 29 | 7 3 | 0 13 | 4 27 | 1 8 | 2 27 | 3 22 | 21 19 | 0 15 | 21 14 | 0 43 | 14 58 | 0 42 | 1 21 | 1 41 | 0 8 | 15 34 | 0 48 | 1 5 | 8 31 | 13 42 | 7 0 |
| T 27 | 4 44 | 20 55 | 3 49 | 7 47 | 0 6 | 4 57 | 1 7 | 2 23 | 3 18 | 21 18 | 0 15 | 21 14 | 0 43 | 14 57 | 0 42 | 1 21 | 1 41 | 0 7 | 15 34 | 0 47 | 1 7 | 8 27 | 13 43 | 6 59 |
| W28 | 5 8 | 16 26 | 2 59 | 8 29 | 0s 1 | 5 28 | 1 6 | 2 19 | 3 15 | 21 17 | 0 15 | 21 14 | 0 43 | 14 56 | 0 42 | 1 20 | 1 41 | 0 7 | 15 34 | 0 47 | 1 8 | 8 24 | 13 43 | 6 59 |
| T 29 | 5 31 | 11 21 | 2 1 | 9 11 | 0 7 | 5 58 | 1 4 | 2 15 | 3 11 | 21 16 | 0 15 | 21 14 | 0 43 | 14 55 | 0 42 | 1 19 | 1 41 | 0 6 | 15 34 | 0 46 | 1 9 | 8 21 | 13 44 | 6 58 |
| F 30 | 5s54 | 5s53 | 0s59 | 9s53 | 0s14 | 6s28 | 1n 2 | 2n11 | 3s 7 | 21n15 | 0n15 | 21s14 | 0s43 | 14n54 | 0n42 | 1n19 | 1s41 | 0n 6 | 15s34 | 0s46 | 1s11 | 8s17 | 13s44 | 6n58 |

Julian Day Number = 2222789.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'13, Lahiri = 15°07'14 Julian Calendar 1 Sept. 1373 == Greg. Calendar 9 Sept. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## OCTOBER 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 11 10 | 15♎54'49 | 29♓18 | 26♎26 | 20♎ 9 | 12°R26 | 26♋15 | 28♑31 | 21♘59 | 7°R 8 | 10°R 8 | 28°R 6 | 27♓ 0 | 12♓11 | 28♑23 | S 1 |
| S 2 | 1 15 7 | 16°54'26 | 11♈16 | 28° 0 | 21°24 | 12♈ 7 | 26°22 | 28°32 | 22° 1 | 7♈ 6 | 10♉ 7 | 28♓ 5 | 26°57 | 12°18 | 28°23 | S 2 |
| M 3 | 1 19 3 | 17°54'06 | 23°22 | 29°34 | 22°39 | 11°49 | 26°28 | 28°33 | 22° 4 | 7° 4 | 10° 6 | 28° 4 | 26°54 | 12°24 | 28°23 | M 3 |
| T 4 | 1 23 0 | 18°53'48 | 5♉37 | 1♏ 6 | 23°54 | 11°31 | 26°34 | 28°34 | 22° 6 | 7° 3 | 10° 5 | 28° 1 | 26°51 | 12°31 | 28°24 | T 4 |
| W 5 | 1 26 57 | 19°53'32 | 18° 4 | 2°38 | 25° 9 | 11°13 | 26°40 | 28°35 | 22° 8 | 7° 1 | 10° 4 | 27°58 | 26°47 | 12°38 | 28°24 | W 5 |
| T 6 | 1 30 53 | 20°53'18 | 0♊43 | 4°10 | 26°24 | 10°55 | 26°46 | 28°36 | 22°11 | 6°59 | 10° 3 | 27°54 | 26°44 | 12°44 | 28°24 | T 6 |
| F 7 | 1 34 50 | 21°53'07 | 13°34 | 5°41 | 27°39 | 10°39 | 26°52 | 28°37 | 22°13 | 6°58 | 10° 2 | 27°51 | 26°41 | 12°51 | 28°25 | F 7 |
| S 8 | 1 38 46 | 22°52'58 | 26°41 | 7°12 | 28°55 | 10°22 | 26°57 | 28°38 | 22°15 | 6°56 | 10° 1 | 27°48 | 26°38 | 12°58 | 28°25 | S 8 |
| S 9 | 1 42 43 | 23°52'51 | 10♋ 3 | 8°41 | 0♏10 | 10° 6 | 27° 2 | 28°40 | 22°18 | 6°55 | 10° 0 | 27°46 | 26°35 | 13° 4 | 28°26 | S 9 |
| M10 | 1 46 39 | 24°52'46 | 23°41 | 10°11 | 1°25 | 9°51 | 27° 8 | 28°41 | 22°20 | 6°53 | 9°59 | 27°D45 | 26°32 | 13°11 | 28°27 | M10 |
| T 11 | 1 50 36 | 25°52'43 | 7♌36 | 11°40 | 2°40 | 9°36 | 27°13 | 28°43 | 22°22 | 6°51 | 9°58 | 27°45 | 26°28 | 13°18 | 28°28 | T 11 |
| W12 | 1 54 32 | 26°52'43 | 21°48 | 13° 8 | 3°55 | 9°22 | 27°18 | 28°44 | 22°24 | 6°50 | 9°57 | 27°47 | 26°25 | 13°24 | 28°29 | W12 |
| T 13 | 1 58 29 | 27°52'45 | 6♍16 | 14°35 | 5°10 | 9° 9 | 27°22 | 28°46 | 22°26 | 6°48 | 9°56 | 27°48 | 26°22 | 13°31 | 28°29 | T 13 |
| F 14 | 2 2 26 | 28°52'48 | 20°55 | 16° 2 | 6°25 | 8°56 | 27°27 | 28°48 | 22°28 | 6°47 | 9°55 | 27°R49 | 26°19 | 13°37 | 28°30 | F 14 |
| S 15 | 2 6 22 | 29°52'54 | 5♎42 | 17°29 | 7°41 | 8°44 | 27°31 | 28°50 | 22°30 | 6°45 | 9°54 | 27°49 | 26°16 | 13°44 | 28°32 | S 15 |
| S 16 | 2 10 19 | 0♏53'02 | 20°29 | 18°55 | 8°56 | 8°33 | 27°35 | 28°52 | 22°32 | 6°44 | 9°52 | 27°48 | 26°12 | 13°51 | 28°33 | S 16 |
| M17 | 2 14 15 | 1°53'12 | 5♏10 | 20°20 | 10°11 | 8°22 | 27°39 | 28°54 | 22°34 | 6°42 | 9°51 | 27°44 | 26° 9 | 13°57 | 28°34 | M17 |
| T 18 | 2 18 12 | 2°53'24 | 19°37 | 21°44 | 11°26 | 8°12 | 27°43 | 28°57 | 22°36 | 6°41 | 9°50 | 27°39 | 26° 6 | 14° 4 | 28°35 | T 18 |
| W19 | 2 22 8 | 3°53'38 | 3♐44 | 23° 8 | 12°41 | 8° 3 | 27°47 | 28°59 | 22°38 | 6°39 | 9°49 | 27°33 | 26° 3 | 14°11 | 28°37 | W19 |
| T 20 | 2 26 5 | 4°53'53 | 17°27 | 24°30 | 13°57 | 7°55 | 27°50 | 29° 1 | 22°39 | 6°38 | 9°48 | 27°27 | 26° 0 | 14°17 | 28°38 | T 20 |
| F 21 | 2 30 1 | 5°54'10 | 0♑44 | 25°52 | 15°12 | 7°47 | 27°53 | 29° 4 | 22°41 | 6°37 | 9°47 | 27°22 | 25°57 | 14°24 | 28°39 | F 21 |
| S 22 | 2 33 58 | 6°54'29 | 13°36 | 27°13 | 16°27 | 7°41 | 27°56 | 29° 7 | 22°43 | 6°35 | 9°46 | 27°18 | 25°53 | 14°31 | 28°41 | S 22 |
| S 23 | 2 37 55 | 7°54'49 | 26° 6 | 28°32 | 17°42 | 7°35 | 27°59 | 29° 9 | 22°44 | 6°34 | 9°45 | 27°15 | 25°50 | 14°37 | 28°43 | S 23 |
| M24 | 2 41 51 | 8°55'10 | 8♒18 | 29°51 | 18°57 | 7°30 | 28° 2 | 29°12 | 22°46 | 6°32 | 9°43 | 27°D14 | 25°47 | 14°44 | 28°44 | M24 |
| T 25 | 2 45 48 | 9°55'33 | 20°16 | 1♐ 8 | 20°12 | 7°26 | 28° 5 | 29°15 | 22°47 | 6°31 | 9°42 | 27°15 | 25°44 | 14°51 | 28°46 | T 25 |
| W26 | 2 49 44 | 10°55'57 | 2♓ 6 | 2°24 | 21°28 | 7°23 | 28° 7 | 29°18 | 22°49 | 6°30 | 9°41 | 27°16 | 25°41 | 14°57 | 28°48 | W26 |
| T 27 | 2 53 41 | 11°56'23 | 13°54 | 3°37 | 22°43 | 7°20 | 28° 9 | 29°21 | 22°50 | 6°28 | 9°40 | 27°18 | 25°37 | 15° 4 | 28°50 | T 27 |
| F 28 | 2 57 37 | 12°56'50 | 25°43 | 4°49 | 23°58 | 7°18 | 28°11 | 29°25 | 22°51 | 6°27 | 9°39 | 27°R19 | 25°34 | 15°11 | 28°52 | F 28 |
| S 29 | 3 1 34 | 13°57'18 | 7♈39 | 5°59 | 25°13 | 7°18 | 28°13 | 29°28 | 22°52 | 6°26 | 9°38 | 27°18 | 25°31 | 15°17 | 28°54 | S 29 |
| S 30 | 3 5 30 | 14°57'48 | 19°44 | 7° 7 | 26°28 | 7°D17 | 28°14 | 29°31 | 22°54 | 6°25 | 9°37 | 27°15 | 25°28 | 15°24 | 28°56 | S 30 |
| M31 | 3 9 27 | 15♏58'19 | 2♉ 2 | 8♐11 | 27♏43 | 7♈18 | 28♋16 | 29♑35 | 22♘55 | 6♈23 | 9♉36 | 27♓10 | 25♓25 | 15♓30 | 28♑58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s17 | 0s11 | 0n 7 | 10s34 | 0s21 | 6s58 | 1n 1 | 2n 7 | 3s 3 | 21n14 | 0n16 | 21s14 | 0s43 | 14n53 | 0n42 | 1n18 | 1s41 | 0n 6 | 15s35 | 0s45 | 1s12 | 8s14 | 13s45 | 6n57 |
| S 2 | 6 40 | 5n35 | 1 12 | 11 14 | 0 28 | 7 28 | 0 59 | 2 3 | 2 59 | 21 13 | 0 16 | 21 14 | 0 43 | 14 53 | 0 42 | 1 17 | 1 41 | 0 5 | 15 35 | 0 46 | 1 13 | 8 11 | 13 45 | 6 57 |
| M 3 | 7 3 | 11 12 | 2 15 | 11 54 | 0 35 | 7 57 | 0 57 | 2 0 | 2 55 | 21 12 | 0 16 | 21 13 | 0 43 | 14 52 | 0 42 | 1 17 | 1 41 | 0 5 | 15 35 | 0 46 | 1 14 | 8 7 | 13 46 | 6 56 |
| T 4 | 7 26 | 16 28 | 3 12 | 12 33 | 0 42 | 8 27 | 0 56 | 1 57 | 2 51 | 21 11 | 0 16 | 21 13 | 0 43 | 14 51 | 0 42 | 1 16 | 1 41 | 0 4 | 15 35 | 0 47 | 1 16 | 8 4 | 13 46 | 6 56 |
| W 5 | 7 48 | 21 8 | 4 2 | 13 11 | 0 48 | 8 56 | 0 54 | 1 53 | 2 47 | 21 10 | 0 16 | 21 13 | 0 43 | 14 50 | 0 42 | 1 15 | 1 41 | 0 4 | 15 35 | 0 49 | 1 17 | 8 1 | 13 46 | 6 55 |
| T 6 | 8 11 | 24 56 | 4 40 | 13 49 | 0 55 | 9 25 | 0 52 | 1 50 | 2 43 | 21 9 | 0 16 | 21 13 | 0 43 | 14 50 | 0 42 | 1 15 | 1 41 | 0 4 | 15 35 | 0 50 | 1 18 | 7 57 | 13 47 | 6 55 |
| F 7 | 8 33 | 27 33 | 5 5 | 14 26 | 1 2 | 9 54 | 0 50 | 1 47 | 2 39 | 21 8 | 0 16 | 21 13 | 0 43 | 14 49 | 0 42 | 1 14 | 1 41 | 0 3 | 15 35 | 0 52 | 1 19 | 7 54 | 13 47 | 6 54 |
| S 8 | 8 56 | 28 43 | 5 14 | 15 2 | 1 8 | 10 22 | 0 48 | 1 45 | 2 35 | 21 7 | 0 17 | 21 12 | 0 43 | 14 48 | 0 42 | 1 13 | 1 41 | 0 3 | 15 35 | 0 53 | 1 21 | 7 51 | 13 48 | 6 54 |
| S 9 | 9 18 | 28 15 | 5 7 | 15 37 | 1 15 | 10 51 | 0 46 | 1 43 | 2 31 | 21 6 | 0 17 | 21 12 | 0 43 | 14 47 | 0 42 | 1 13 | 1 41 | 0 3 | 15 35 | 0 54 | 1 22 | 7 47 | 13 48 | 6 53 |
| M10 | 9 40 | 26 5 | 4 43 | 16 12 | 1 21 | 11 19 | 0 44 | 1 40 | 2 26 | 21 5 | 0 17 | 21 12 | 0 43 | 14 47 | 0 42 | 1 12 | 1 41 | 0 2 | 15 35 | 0 54 | 1 23 | 7 44 | 13 48 | 6 53 |
| T 11 | 10 2 | 22 19 | 4 1 | 16 46 | 1 27 | 11 47 | 0 42 | 1 38 | 2 22 | 21 4 | 0 17 | 21 11 | 0 43 | 14 46 | 0 42 | 1 12 | 1 41 | 0 2 | 15 35 | 0 54 | 1 24 | 7 40 | 13 49 | 6 52 |
| W12 | 10 24 | 17 12 | 3 5 | 17 19 | 1 33 | 12 14 | 0 40 | 1 37 | 2 18 | 21 3 | 0 17 | 21 11 | 0 43 | 14 45 | 0 42 | 1 11 | 1 40 | 0 1 | 15 35 | 0 53 | 1 26 | 7 37 | 13 49 | 6 52 |
| T 13 | 10 45 | 11 2 | 1 56 | 17 51 | 1 39 | 12 42 | 0 38 | 1 35 | 2 14 | 21 3 | 0 17 | 21 11 | 0 43 | 14 45 | 0 42 | 1 10 | 1 40 | 0 1 | 15 36 | 0 53 | 1 27 | 7 34 | 13 49 | 6 51 |
| F 14 | 11 7 | 4 11 | 0 38 | 18 22 | 1 45 | 13 9 | 0 36 | 1 34 | 2 10 | 21 2 | 0 18 | 21 10 | 0 43 | 14 44 | 0 42 | 1 10 | 1 40 | 0 1 | 15 36 | 0 52 | 1 28 | 7 30 | 13 49 | 6 51 |
| S 15 | 11 28 | 2s56 | 0s43 | 18 52 | 1 50 | 13 35 | 0 34 | 1 33 | 2 5 | 21 1 | 0 18 | 21 10 | 0 43 | 14 44 | 0 42 | 1 9 | 1 40 | 0 0 | 15 36 | 0 52 | 1 30 | 7 27 | 13 50 | 6 50 |
| S 16 | 11 49 | 9 54 | 2 1 | 19 21 | 1 56 | 14 2 | 0 31 | 1 33 | 2 1 | 21 1 | 0 18 | 21 9 | 0 43 | 14 43 | 0 42 | 1 9 | 1 40 | 0s 0 | 15 36 | 0 53 | 1 31 | 7 24 | 13 50 | 6 50 |
| M17 | 12 10 | 16 16 | 3 10 | 19 50 | 2 1 | 14 28 | 0 29 | 1 32 | 1 57 | 21 0 | 0 18 | 21 9 | 0 43 | 14 42 | 0 42 | 1 8 | 1 40 | 0 0 | 15 36 | 0 54 | 1 32 | 7 20 | 13 50 | 6 49 |
| T 18 | 12 31 | 21 38 | 4 6 | 20 17 | 2 6 | 14 53 | 0 27 | 1 32 | 1 53 | 20 59 | 0 18 | 21 9 | 0 43 | 14 42 | 0 42 | 1 8 | 1 40 | 0 1 | 15 36 | 0 56 | 1 33 | 7 17 | 13 50 | 6 49 |
| W19 | 12 52 | 25 38 | 4 45 | 20 43 | 2 10 | 15 19 | 0 25 | 1 32 | 1 49 | 20 59 | 0 19 | 21 8 | 0 43 | 14 41 | 0 42 | 1 7 | 1 40 | 0 1 | 15 36 | 0 58 | 1 35 | 7 14 | 13 51 | 6 48 |
| T 20 | 13 12 | 28 0 | 5 6 | 21 8 | 2 15 | 15 44 | 0 22 | 1 33 | 1 45 | 20 58 | 0 19 | 21 8 | 0 43 | 14 41 | 0 42 | 1 6 | 1 40 | 0 1 | 15 36 | 1 1 | 1 36 | 7 10 | 13 51 | 6 48 |
| F 21 | 13 32 | 28 42 | 5 10 | 21 32 | 2 19 | 16 8 | 0 20 | 1 33 | 1 41 | 20 58 | 0 19 | 21 7 | 0 43 | 14 40 | 0 42 | 1 6 | 1 40 | 0 2 | 15 36 | 1 3 | 1 37 | 7 7 | 13 51 | 6 47 |
| S 22 | 13 52 | 27 46 | 4 59 | 21 55 | 2 23 | 16 32 | 0 18 | 1 34 | 1 37 | 20 57 | 0 19 | 21 6 | 0 43 | 14 40 | 0 43 | 1 5 | 1 40 | 0 2 | 15 36 | 1 5 | 1 38 | 7 3 | 13 51 | 6 47 |
| S 23 | 14 12 | 25 28 | 4 33 | 22 17 | 2 26 | 16 56 | 0 15 | 1 36 | 1 33 | 20 57 | 0 19 | 21 6 | 0 43 | 14 39 | 0 43 | 1 5 | 1 40 | 0 2 | 15 36 | 1 6 | 1 40 | 7 0 | 13 51 | 6 46 |
| M24 | 14 31 | 22 2 | 3 55 | 22 37 | 2 29 | 17 19 | 0 13 | 1 37 | 1 29 | 20 57 | 0 19 | 21 5 | 0 43 | 14 39 | 0 43 | 1 4 | 1 40 | 0 3 | 15 36 | 1 6 | 1 41 | 6 57 | 13 51 | 6 46 |
| T 25 | 14 51 | 17 44 | 3 7 | 22 56 | 2 32 | 17 42 | 0 10 | 1 39 | 1 25 | 20 56 | 0 20 | 21 5 | 0 43 | 14 38 | 0 43 | 1 4 | 1 40 | 0 3 | 15 36 | 1 6 | 1 42 | 6 53 | 13 52 | 6 45 |
| W26 | 15 10 | 12 49 | 2 12 | 23 14 | 2 34 | 18 4 | 0 8 | 1 41 | 1 21 | 20 56 | 0 20 | 21 4 | 0 43 | 14 38 | 0 43 | 1 3 | 1 40 | 0 3 | 15 36 | 1 5 | 1 43 | 6 50 | 13 52 | 6 45 |
| T 27 | 15 28 | 7 28 | 1 12 | 23 30 | 2 36 | 18 26 | 0 6 | 1 44 | 1 18 | 20 56 | 0 20 | 21 3 | 0 43 | 14 38 | 0 43 | 1 3 | 1 40 | 0 4 | 15 36 | 1 5 | 1 45 | 6 47 | 13 52 | 6 44 |
| F 28 | 15 47 | 1 50 | 0 9 | 23 45 | 2 37 | 18 47 | 0 3 | 1 47 | 1 14 | 20 56 | 0 20 | 21 3 | 0 43 | 14 37 | 0 43 | 1 2 | 1 40 | 0 4 | 15 36 | 1 4 | 1 46 | 6 43 | 13 52 | 6 44 |
| S 29 | 16 5 | 3n54 | 0n56 | 23 58 | 2 38 | 19 8 | 0 1 | 1 50 | 1 10 | 20 55 | 0 20 | 21 2 | 0 43 | 14 37 | 0 43 | 1 2 | 1 40 | 0 4 | 15 36 | 1 5 | 1 47 | 6 40 | 13 52 | 6 44 |
| S 30 | 16 23 | 9 34 | 1 58 | 24 10 | 2 38 | 19 28 | 0s 2 | 1 53 | 1 7 | 20 55 | 0 20 | 21 1 | 0 43 | 14 36 | 0 43 | 1 1 | 1 40 | 0 5 | 15 35 | 1 6 | 1 48 | 6 36 | 13 52 | 6 43 |
| M31 | 16s41 | 14n58 | 2n56 | 24s20 | 2s38 | 19s47 | 0s 4 | 1n56 | 1s 3 | 20n55 | 0n21 | 21s 1 | 0s43 | 14n36 | 0n43 | 1n 1 | 1s40 | 0s 5 | 15s35 | 1s 8 | 1s50 | 6s33 | 13s52 | 6n43 |

Julian Day Number = 2222819.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'17, Lahiri = 15°07'18 Julian Calendar 1 Oct. 1373 == Greg. Calendar 9 Oct. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## NOVEMBER 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 13 24 | 16♏58'52 | 14♉34 | 9♐13 | 28♏59 | 7♈20 | 28♋17 | 29♑38 | 22♌56 | 6°R22 | 9°R34 | 27°R 3 | 25♓22 | 15♓37 | 29♑ 0 | T 1 |
| W 2 | 3 17 20 | 17°59'27 | 27°20 | 10°11 | 0♐14 | 7°22 | 28°18 | 29°42 | 22°57 | 6♈21 | 9♉33 | 26♓55 | 25°18 | 15°44 | 29° 2 | W 2 |
| T 3 | 3 21 17 | 19° 0'03 | 10♊21 | 11° 5 | 1°29 | 7°25 | 28°19 | 29°46 | 22°58 | 6°20 | 9°32 | 26°45 | 25°15 | 15°50 | 29° 5 | T 3 |
| F 4 | 3 25 13 | 20° 0'40 | 23°34 | 11°55 | 2°44 | 7°29 | 28°19 | 29°50 | 22°59 | 6°19 | 9°31 | 26°35 | 25°12 | 15°57 | 29° 7 | F 4 |
| S 5 | 3 29 10 | 21° 1'20 | 7♋ 0 | 12°39 | 3°59 | 7°33 | 28°20 | 29°53 | 23° 0 | 6°18 | 9°30 | 26°27 | 25° 9 | 16° 4 | 29° 9 | S 5 |
| S 6 | 3 33 6 | 22° 2'00 | 20°35 | 13°18 | 5°14 | 7°39 | 28°R20 | 29°57 | 23° 1 | 6°17 | 9°29 | 26°21 | 25° 6 | 16°10 | 29°12 | S 6 |
| M 7 | 3 37 3 | 23° 2'43 | 4♌21 | 13°50 | 6°30 | 7°45 | 28°20 | 0♒ 2 | 23° 1 | 6°16 | 9°28 | 26°17 | 25° 3 | 16°17 | 29°14 | M 7 |
| T 8 | 3 41 0 | 24° 3'27 | 18°15 | 14°15 | 7°45 | 7°51 | 28°20 | 0° 6 | 23° 2 | 6°15 | 9°27 | 26°D15 | 24°59 | 16°24 | 29°17 | T 8 |
| W 9 | 3 44 56 | 25° 4'13 | 2♍17 | 14°32 | 9° 0 | 7°59 | 28°19 | 0°10 | 23° 3 | 6°14 | 9°26 | 26°15 | 24°56 | 16°30 | 29°20 | W 9 |
| T 10 | 3 48 53 | 26° 5'00 | 16°26 | 14°R41 | 10°15 | 8° 7 | 28°19 | 0°14 | 23° 3 | 6°13 | 9°25 | 26°16 | 24°53 | 16°37 | 29°22 | T 10 |
| F 11 | 3 52 49 | 27° 5'49 | 0♎42 | 14°39 | 11°30 | 8°16 | 28°18 | 0°19 | 23° 4 | 6°12 | 9°24 | 26°R16 | 24°50 | 16°44 | 29°25 | F 11 |
| S 12 | 3 56 46 | 28° 6'39 | 15° 3 | 14°28 | 12°45 | 8°25 | 28°17 | 0°23 | 23° 4 | 6°11 | 9°22 | 26°14 | 24°47 | 16°50 | 29°28 | S 12 |
| S 13 | 4 0 42 | 29° 7'31 | 29°24 | 14° 6 | 14° 1 | 8°35 | 28°16 | 0°28 | 23° 5 | 6°10 | 9°21 | 26°10 | 24°43 | 16°57 | 29°31 | S 13 |
| M14 | 4 4 39 | 0♐ 8'25 | 13♏41 | 13°32 | 15°16 | 8°46 | 28°14 | 0°32 | 23° 5 | 6° 9 | 9°20 | 26° 4 | 24°40 | 17° 4 | 29°34 | M14 |
| T 15 | 4 8 35 | 1° 9'19 | 27°50 | 12°48 | 16°31 | 8°58 | 28°13 | 0°37 | 23° 5 | 6° 8 | 9°19 | 25°54 | 24°37 | 17°10 | 29°37 | T 15 |
| W16 | 4 12 32 | 2°10'15 | 11♐44 | 11°53 | 17°46 | 9°10 | 28°11 | 0°42 | 23° 6 | 6° 8 | 9°18 | 25°43 | 24°34 | 17°17 | 29°40 | W16 |
| T 17 | 4 16 29 | 3°11'12 | 25°19 | 10°48 | 19° 1 | 9°23 | 28° 9 | 0°47 | 23° 6 | 6° 7 | 9°17 | 25°31 | 24°31 | 17°23 | 29°43 | T 17 |
| F 18 | 4 20 25 | 4°12'09 | 8♑33 | 9°36 | 20°16 | 9°36 | 28° 7 | 0°52 | 23° 6 | 6° 6 | 9°16 | 25°20 | 24°28 | 17°30 | 29°46 | F 18 |
| S 19 | 4 24 22 | 5°13'08 | 21°25 | 8°17 | 21°32 | 9°50 | 28° 4 | 0°57 | 23° 6 | 6° 6 | 9°15 | 25°10 | 24°24 | 17°37 | 29°49 | S 19 |
| S 20 | 4 28 18 | 6°14'07 | 3♒56 | 6°55 | 22°47 | 10° 4 | 28° 2 | 1° 2 | 23°R 6 | 6° 5 | 9°14 | 25° 3 | 24°21 | 17°43 | 29°52 | S 20 |
| M21 | 4 32 15 | 7°15'07 | 16° 9 | 5°32 | 24° 2 | 10°19 | 27°59 | 1° 7 | 23° 6 | 6° 4 | 9°13 | 24°59 | 24°18 | 17°50 | 29°56 | M21 |
| T 22 | 4 36 11 | 8°16'08 | 28° 8 | 4°11 | 25°17 | 10°35 | 27°56 | 1°12 | 23° 6 | 6° 4 | 9°12 | 24°57 | 24°15 | 17°57 | 29°59 | T 22 |
| W23 | 4 40 8 | 9°17'09 | 9♓59 | 2°55 | 26°32 | 10°51 | 27°53 | 1°17 | 23° 6 | 6° 3 | 9°11 | 24°D56 | 24°12 | 18° 3 | 0♒ 2 | W23 |
| T 24 | 4 44 4 | 10°18'11 | 21°46 | 1°46 | 27°47 | 11° 8 | 27°49 | 1°23 | 23° 6 | 6° 3 | 9°10 | 24°R56 | 24° 9 | 18°10 | 0° 6 | T 24 |
| F 25 | 4 48 1 | 11°19'13 | 3♈36 | 0°46 | 29° 2 | 11°25 | 27°46 | 1°28 | 23° 6 | 6° 2 | 9° 9 | 24°56 | 24° 5 | 18°17 | 0° 9 | F 25 |
| S 26 | 4 51 58 | 12°20'16 | 15°34 | 29♏56 | 0♑17 | 11°43 | 27°42 | 1°33 | 23° 5 | 6° 2 | 9° 9 | 24°54 | 24° 2 | 18°23 | 0°13 | S 26 |
| S 27 | 4 55 54 | 13°21'20 | 27°44 | 29°16 | 1°32 | 12° 1 | 27°38 | 1°39 | 23° 5 | 6° 1 | 9° 8 | 24°50 | 23°59 | 18°30 | 0°16 | S 27 |
| M28 | 4 59 51 | 14°22'24 | 10♉11 | 28°48 | 2°47 | 12°19 | 27°34 | 1°45 | 23° 5 | 6° 1 | 9° 7 | 24°43 | 23°56 | 18°37 | 0°20 | M28 |
| T 29 | 5 3 47 | 15°23'28 | 22°56 | 28°31 | 4° 2 | 12°39 | 27°30 | 1°50 | 23° 4 | 6° 0 | 9° 6 | 24°33 | 23°53 | 18°43 | 0°24 | T 29 |
| W30 | 5 7 44 | 16♐24'33 | 6♊ 1 | 28°D25 | 5♑18 | 12♈58 | 27♋26 | 1♒56 | 23♌ 4 | 6♈ 0 | 9♉ 5 | 24♓21 | 23♓49 | 18♓50 | 0♒27 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s58 | 19n52 | 3n46 | 24s29 | 2s36 | 20s 7 | 0s 7 | 2n 0 | 1s 0 | 20n55 | 0n21 | 21s 0 | 0s43 | 14n36 | 0n43 | 1n 1 | 1s40 | 0s 5 | 15s35 | 1s10 | 1s51 | 6s30 | 13s52 | 6n42 |
| W 2 | 17 15 | 23 57 | 4 26 | 24 36 | 2 34 | 20 25 | 0 9 | 2 4 | 0 56 | 20 55 | 0 21 | 20 59 | 0 43 | 14 36 | 0 43 | 1 0 | 1 40 | 0 5 | 15 35 | 1 14 | 1 52 | 6 26 | 13 52 | 6 42 |
| T 3 | 17 32 | 26 55 | 4 53 | 24 41 | 2 31 | 20 43 | 0 12 | 2 9 | 0 53 | 20 55 | 0 21 | 20 58 | 0 43 | 14 35 | 0 43 | 1 0 | 1 40 | 0 6 | 15 35 | 1 18 | 1 54 | 6 23 | 13 52 | 6 41 |
| F 4 | 17 48 | 28 27 | 5 5 | 24 44 | 2 28 | 21 1 | 0 14 | 2 13 | 0 50 | 20 55 | 0 21 | 20 58 | 0 43 | 14 35 | 0 43 | 0 59 | 1 40 | 0 6 | 15 35 | 1 22 | 1 55 | 6 19 | 13 52 | 6 41 |
| S 5 | 18 5 | 28 20 | 5 1 | 24 45 | 2 23 | 21 17 | 0 17 | 2 18 | 0 47 | 20 55 | 0 22 | 20 57 | 0 43 | 14 35 | 0 43 | 0 59 | 1 40 | 0 6 | 15 35 | 1 25 | 1 56 | 6 16 | 13 52 | 6 40 |
| S 6 | 18 20 | 26 32 | 4 39 | 24 44 | 2 17 | 21 34 | 0 19 | 2 23 | 0 43 | 20 55 | 0 22 | 20 56 | 0 43 | 14 34 | 0 43 | 0 58 | 1 40 | 0 6 | 15 35 | 1 27 | 1 57 | 6 13 | 13 52 | 6 40 |
| M 7 | 18 36 | 23 9 | 4 1 | 24 41 | 2 10 | 21 49 | 0 21 | 2 28 | 0 40 | 20 56 | 0 22 | 20 55 | 0 43 | 14 34 | 0 43 | 0 58 | 1 40 | 0 7 | 15 35 | 1 29 | 1 59 | 6 9 | 13 52 | 6 40 |
| T 8 | 18 51 | 18 24 | 3 9 | 24 36 | 2 1 | 22 4 | 0 24 | 2 34 | 0 37 | 20 56 | 0 22 | 20 54 | 0 43 | 14 34 | 0 43 | 0 58 | 1 40 | 0 7 | 15 35 | 1 30 | 2 0 | 6 6 | 13 52 | 6 39 |
| W 9 | 19 6 | 12 38 | 2 5 | 24 28 | 1 52 | 22 19 | 0 26 | 2 39 | 0 34 | 20 56 | 0 22 | 20 53 | 0 43 | 14 34 | 0 43 | 0 57 | 1 40 | 0 7 | 15 35 | 1 30 | 2 1 | 6 2 | 13 51 | 6 39 |
| T 10 | 19 21 | 6 10 | 0 52 | 24 18 | 1 40 | 22 32 | 0 29 | 2 45 | 0 31 | 20 56 | 0 23 | 20 52 | 0 43 | 14 34 | 0 43 | 0 57 | 1 40 | 0 7 | 15 35 | 1 29 | 2 2 | 5 59 | 13 51 | 6 38 |
| F 11 | 19 35 | 0s39 | 0s24 | 24 5 | 1 28 | 22 45 | 0 31 | 2 51 | 0 28 | 20 57 | 0 23 | 20 51 | 0 43 | 14 34 | 0 43 | 0 57 | 1 40 | 0 7 | 15 34 | 1 29 | 2 4 | 5 56 | 13 51 | 6 38 |
| S 12 | 19 49 | 7 28 | 1 39 | 23 50 | 1 14 | 22 58 | 0 34 | 2 58 | 0 26 | 20 57 | 0 23 | 20 50 | 0 43 | 14 33 | 0 43 | 0 56 | 1 40 | 0 8 | 15 34 | 1 30 | 2 5 | 5 52 | 13 51 | 6 38 |
| S 13 | 20 2 | 13 54 | 2 47 | 23 32 | 0 58 | 23 9 | 0 36 | 3 4 | 0 23 | 20 58 | 0 23 | 20 49 | 0 43 | 14 33 | 0 43 | 0 56 | 1 40 | 0 8 | 15 34 | 1 32 | 2 6 | 5 49 | 13 51 | 6 37 |
| M14 | 20 15 | 19 34 | 3 45 | 23 11 | 0 41 | 23 20 | 0 38 | 3 11 | 0 20 | 20 58 | 0 23 | 20 48 | 0 43 | 14 33 | 0 44 | 0 56 | 1 39 | 0 8 | 15 34 | 1 34 | 2 7 | 5 45 | 13 51 | 6 37 |
| T 15 | 20 28 | 24 5 | 4 27 | 22 47 | 0 23 | 23 31 | 0 41 | 3 18 | 0 17 | 20 59 | 0 23 | 20 47 | 0 43 | 14 33 | 0 44 | 0 56 | 1 39 | 0 8 | 15 34 | 1 38 | 2 9 | 5 42 | 13 50 | 6 36 |
| W16 | 20 40 | 27 7 | 4 54 | 22 21 | 0 3 | 23 40 | 0 43 | 3 25 | 0 15 | 20 59 | 0 24 | 20 46 | 0 43 | 14 33 | 0 44 | 0 55 | 1 39 | 0 8 | 15 34 | 1 42 | 2 10 | 5 39 | 13 50 | 6 36 |
| T 17 | 20 52 | 28 29 | 5 2 | 21 52 | 0n17 | 23 49 | 0 45 | 3 32 | 0 12 | 21 0 | 0 24 | 20 45 | 0 43 | 14 33 | 0 44 | 0 55 | 1 39 | 0 8 | 15 34 | 1 47 | 2 11 | 5 35 | 13 50 | 6 36 |
| F 18 | 21 4 | 28 9 | 4 55 | 21 21 | 0 37 | 23 57 | 0 47 | 3 40 | 0 10 | 21 0 | 0 24 | 20 44 | 0 43 | 14 33 | 0 44 | 0 55 | 1 39 | 0 9 | 15 33 | 1 52 | 2 12 | 5 32 | 13 50 | 6 35 |
| S 19 | 21 15 | 26 17 | 4 32 | 20 49 | 0 57 | 24 5 | 0 50 | 3 48 | 0 7 | 21 1 | 0 24 | 20 43 | 0 43 | 14 33 | 0 44 | 0 55 | 1 39 | 0 9 | 15 33 | 1 55 | 2 14 | 5 28 | 13 49 | 6 35 |
| S 20 | 21 25 | 23 10 | 3 56 | 20 16 | 1 17 | 24 11 | 0 52 | 3 55 | 0 5 | 21 2 | 0 24 | 20 42 | 0 43 | 14 33 | 0 44 | 0 54 | 1 39 | 0 9 | 15 33 | 1 58 | 2 15 | 5 25 | 13 49 | 6 34 |
| M21 | 21 36 | 19 5 | 3 11 | 19 44 | 1 36 | 24 17 | 0 54 | 4 4 | 0 3 | 21 2 | 0 25 | 20 41 | 0 43 | 14 33 | 0 44 | 0 54 | 1 39 | 0 9 | 15 33 | 2 0 | 2 16 | 5 22 | 13 49 | 6 34 |
| T 22 | 21 46 | 14 18 | 2 17 | 19 13 | 1 53 | 24 22 | 0 56 | 4 12 | 0 0 | 21 3 | 0 25 | 20 40 | 0 43 | 14 33 | 0 44 | 0 54 | 1 39 | 0 9 | 15 33 | 2 1 | 2 18 | 5 18 | 13 48 | 6 34 |
| W23 | 21 55 | 9 4 | 1 19 | 18 43 | 2 8 | 24 27 | 0 58 | 4 20 | 0n 2 | 21 4 | 0 25 | 20 39 | 0 43 | 14 33 | 0 44 | 0 54 | 1 39 | 0 9 | 15 33 | 2 1 | 2 19 | 5 15 | 13 48 | 6 33 |
| T 24 | 22 4 | 3 32 | 0 17 | 18 17 | 2 21 | 24 30 | 1 0 | 4 29 | 0 4 | 21 5 | 0 25 | 20 38 | 0 43 | 14 33 | 0 44 | 0 54 | 1 39 | 0 9 | 15 32 | 2 1 | 2 20 | 5 11 | 13 48 | 6 33 |
| F 25 | 22 13 | 2n 8 | 0n46 | 17 55 | 2 32 | 24 33 | 1 2 | 4 37 | 0 6 | 21 6 | 0 25 | 20 36 | 0 43 | 14 34 | 0 44 | 0 53 | 1 39 | 0 9 | 15 32 | 2 1 | 2 21 | 5 8 | 13 47 | 6 33 |
| S 26 | 22 21 | 7 48 | 1 47 | 17 36 | 2 40 | 24 36 | 1 4 | 4 46 | 0 8 | 21 7 | 0 26 | 20 35 | 0 43 | 14 34 | 0 44 | 0 53 | 1 39 | 0 10 | 15 32 | 2 2 | 2 23 | 5 4 | 13 47 | 6 32 |
| S 27 | 22 29 | 13 16 | 2 44 | 17 22 | 2 46 | 24 37 | 1 6 | 4 55 | 0 10 | 21 8 | 0 26 | 20 34 | 0 43 | 14 34 | 0 44 | 0 53 | 1 39 | 0 10 | 15 32 | 2 4 | 2 24 | 5 1 | 13 47 | 6 32 |
| M28 | 22 36 | 18 19 | 3 35 | 17 12 | 2 50 | 24 38 | 1 8 | 5 4 | 0 12 | 21 9 | 0 26 | 20 33 | 0 43 | 14 34 | 0 44 | 0 53 | 1 39 | 0 10 | 15 32 | 2 6 | 2 25 | 4 58 | 13 46 | 6 32 |
| T 29 | 22 43 | 22 42 | 4 16 | 17 6 | 2 52 | 24 38 | 1 10 | 5 14 | 0 14 | 21 10 | 0 26 | 20 32 | 0 43 | 14 34 | 0 44 | 0 53 | 1 39 | 0 10 | 15 31 | 2 10 | 2 26 | 4 54 | 13 46 | 6 31 |
| W30 | 22s50 | 26n 4 | 4n45 | 17s 4 | 2n53 | 24s37 | 1s12 | 5n23 | 0n16 | 21n11 | 0n26 | 20s30 | 0s43 | 14n34 | 0n44 | 0n53 | 1s39 | 0s10 | 15s31 | 2s15 | 2s28 | 4s51 | 13s45 | 6n31 |

Julian Day Number = 2222850.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'23, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'22, Lahiri = 15°07'22 Julian Calendar 1 Nov. 1373 == Greg. Calendar 9 Nov. 1373


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# ASTRODIENST EPHEMERIS for the year 1373
# geocentric

## DECEMBER 1373 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 11 40 | 17♐25'39 | 19♊24 | 28♏29 | 6♑33 | 13♈18 | 27°R21 | 2♒ 2 | 23°R 3 | 6°R 0 | 9°R 4 | 24°R 8 | 23♓46 | 18♓57 | 0♒31 | T 1 |
| F 2 | 5 15 37 | 18°26'45 | 3♋ 3 | 28°42 | 7°48 | 13°38 | 27♋16 | 2° 7 | 23♌ 2 | 6♈ 0 | 9♉ 3 | 23♓55 | 23°43 | 19° 3 | 0°35 | F 2 |
| S 3 | 5 19 33 | 19°27'52 | 16°56 | 29° 3 | 9° 3 | 13°59 | 27°11 | 2°13 | 23° 2 | 5°59 | 9° 2 | 23°43 | 23°40 | 19°10 | 0°39 | S 3 |
| S 4 | 5 23 30 | 20°28'59 | 0♌56 | 29°32 | 10°18 | 14°21 | 27° 6 | 2°19 | 23° 1 | 5°59 | 9° 2 | 23°34 | 23°37 | 19°16 | 0°43 | S 4 |
| M 5 | 5 27 27 | 21°30'08 | 15° 2 | 0♐ 8 | 11°33 | 14°42 | 27° 1 | 2°25 | 23° 0 | 5°59 | 9° 1 | 23°28 | 23°34 | 19°23 | 0°47 | M 5 |
| T 6 | 5 31 23 | 22°31'16 | 29° 9 | 0°50 | 12°48 | 15° 4 | 26°55 | 2°31 | 22°59 | 5°59 | 9° 0 | 23°24 | 23°30 | 19°30 | 0°50 | T 6 |
| W 7 | 5 35 20 | 23°32'25 | 13♍15 | 1°37 | 14° 3 | 15°27 | 26°50 | 2°37 | 22°58 | 5°59 | 8°59 | 23°23 | 23°27 | 19°36 | 0°54 | W 7 |
| T 8 | 5 39 16 | 24°33'35 | 27°20 | 2°30 | 15°18 | 15°49 | 26°44 | 2°43 | 22°57 | 5°59 | 8°59 | 23°23 | 23°24 | 19°43 | 0°58 | T 8 |
| F 9 | 5 43 13 | 25°34'46 | 11♎22 | 3°26 | 16°33 | 16°12 | 26°38 | 2°50 | 22°56 | 5°D59 | 8°58 | 23°23 | 23°21 | 19°50 | 1° 2 | F 9 |
| S 10 | 5 47 9 | 26°35'57 | 25°22 | 4°27 | 17°47 | 16°36 | 26°32 | 2°56 | 22°55 | 5°59 | 8°57 | 23°20 | 23°18 | 19°56 | 1° 7 | S 10 |
| S 11 | 5 51 6 | 27°37'09 | 9♏17 | 5°30 | 19° 2 | 17° 0 | 26°26 | 3° 2 | 22°54 | 5°59 | 8°56 | 23°16 | 23°15 | 20° 3 | 1°11 | S 11 |
| M12 | 5 55 2 | 28°38'21 | 23° 7 | 6°37 | 20°17 | 17°24 | 26°20 | 3° 9 | 22°53 | 5°59 | 8°56 | 23° 8 | 23°11 | 20°10 | 1°15 | M12 |
| T 13 | 5 58 59 | 29°39'33 | 6♐49 | 7°46 | 21°32 | 17°48 | 26°13 | 3°15 | 22°52 | 5°59 | 8°55 | 22°57 | 23° 8 | 20°16 | 1°19 | T 13 |
| W14 | 6 2 56 | 0♑40'46 | 20°20 | 8°58 | 22°47 | 18°13 | 26° 7 | 3°21 | 22°51 | 5°59 | 8°54 | 22°44 | 23° 5 | 20°23 | 1°23 | W14 |
| T 15 | 6 6 52 | 1°41'59 | 3♑37 | 10°11 | 24° 2 | 18°38 | 26° 0 | 3°28 | 22°49 | 5°59 | 8°54 | 22°31 | 23° 2 | 20°30 | 1°27 | T 15 |
| F 16 | 6 10 49 | 2°43'12 | 16°37 | 11°27 | 25°17 | 19° 4 | 25°53 | 3°34 | 22°48 | 6° 0 | 8°53 | 22°17 | 22°59 | 20°36 | 1°32 | F 16 |
| S 17 | 6 14 45 | 3°44'24 | 29°20 | 12°44 | 26°32 | 19°29 | 25°46 | 3°41 | 22°47 | 6° 0 | 8°53 | 22° 6 | 22°55 | 20°43 | 1°36 | S 17 |
| S 18 | 6 18 42 | 4°45'37 | 11♒46 | 14° 3 | 27°47 | 19°55 | 25°39 | 3°47 | 22°45 | 6° 0 | 8°52 | 21°57 | 22°52 | 20°50 | 1°40 | S 18 |
| M19 | 6 22 38 | 5°46'49 | 23°56 | 15°22 | 29° 2 | 20°22 | 25°32 | 3°54 | 22°44 | 6° 0 | 8°51 | 21°51 | 22°49 | 20°56 | 1°45 | M19 |
| T 20 | 6 26 35 | 6°48'01 | 5♓55 | 16°43 | 0♒16 | 20°48 | 25°25 | 4° 1 | 22°42 | 6° 1 | 8°51 | 21°48 | 22°46 | 21° 3 | 1°49 | T 20 |
| W21 | 6 30 32 | 7°49'12 | 17°45 | 18° 6 | 1°31 | 21°15 | 25°18 | 4° 7 | 22°41 | 6° 1 | 8°50 | 21°D46 | 22°43 | 21° 9 | 1°53 | W21 |
| T 22 | 6 34 28 | 8°50'23 | 29°32 | 19°29 | 2°46 | 21°42 | 25°10 | 4°14 | 22°39 | 6° 2 | 8°50 | 21°46 | 22°40 | 21°16 | 1°58 | T 22 |
| F 23 | 6 38 25 | 9°51'34 | 11♈21 | 20°53 | 4° 1 | 22° 9 | 25° 3 | 4°21 | 22°37 | 6° 2 | 8°49 | 21°R47 | 22°36 | 21°23 | 2° 2 | F 23 |
| S 24 | 6 42 21 | 10°52'44 | 23°18 | 22°18 | 5°15 | 22°37 | 24°55 | 4°28 | 22°36 | 6° 3 | 8°49 | 21°46 | 22°33 | 21°29 | 2° 7 | S 24 |
| S 25 | 6 46 18 | 11°53'53 | 5♉28 | 23°43 | 6°30 | 23° 5 | 24°47 | 4°34 | 22°34 | 6° 3 | 8°48 | 21°43 | 22°30 | 21°36 | 2°11 | S 25 |
| M26 | 6 50 14 | 12°55'02 | 17°57 | 25°10 | 7°45 | 23°33 | 24°40 | 4°41 | 22°32 | 6° 4 | 8°48 | 21°38 | 22°27 | 21°43 | 2°16 | M26 |
| T 27 | 6 54 11 | 13°56'10 | 0♊47 | 26°37 | 8°59 | 24° 1 | 24°32 | 4°48 | 22°30 | 6° 4 | 8°48 | 21°30 | 22°24 | 21°49 | 2°20 | T 27 |
| W28 | 6 58 7 | 14°57'17 | 14° 2 | 28° 4 | 10°14 | 24°30 | 24°24 | 4°55 | 22°28 | 6° 5 | 8°47 | 21°20 | 22°21 | 21°56 | 2°25 | W28 |
| T 29 | 7 2 4 | 15°58'24 | 27°40 | 29°33 | 11°29 | 24°58 | 24°16 | 5° 2 | 22°26 | 6° 6 | 8°47 | 21° 9 | 22°17 | 22° 3 | 2°29 | T 29 |
| F 30 | 7 6 1 | 16°59'31 | 11♋40 | 1♑ 2 | 12°43 | 25°27 | 24° 8 | 5° 9 | 22°24 | 6° 6 | 8°47 | 20°58 | 22°14 | 22° 9 | 2°34 | F 30 |
| S 31 | 7 9 57 | 18♑ 0'36 | 25♋58 | 2♑32 | 13♒58 | 25♈56 | 24♋ 0 | 5♒16 | 22♌22 | 6♈ 7 | 8♉46 | 20♓48 | 22♓11 | 22♓16 | 2♒38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 28n 4 | 4n59 | 17s 6 | 2n52 | 24s35 | 1s14 | 5n32 | 0n18 | 21n12 | 0n27 | 20s29 | 0s43 | 14n35 | 0n44 | 0n53 | 1s39 | 0s10 | 15s31 | 2s20 | 2s29 | 4s47 | 13s45 | 6n31 |
| F 2 | 23 1 | 28 26 | 4 56 | 17 11 | 2 49 | 24 33 | 1 15 | 5 42 | 0 20 | 21 13 | 0 27 | 20 28 | 0 43 | 14 35 | 0 44 | 0 53 | 1 39 | 0 10 | 15 31 | 2 25 | 2 30 | 4 44 | 13 44 | 6 30 |
| S 3 | 23 6 | 27 1 | 4 36 | 17 19 | 2 46 | 24 30 | 1 17 | 5 52 | 0 21 | 21 14 | 0 27 | 20 26 | 0 43 | 14 35 | 0 44 | 0 53 | 1 39 | 0 10 | 15 30 | 2 30 | 2 31 | 4 41 | 13 44 | 6 30 |
| S 4 | 23 11 | 23 55 | 3 59 | 17 30 | 2 41 | 24 26 | 1 19 | 6 2 | 0 23 | 21 15 | 0 27 | 20 25 | 0 44 | 14 36 | 0 44 | 0 53 | 1 39 | 0 10 | 15 30 | 2 34 | 2 33 | 4 37 | 13 43 | 6 30 |
| M 5 | 23 15 | 19 22 | 3 8 | 17 43 | 2 36 | 24 21 | 1 20 | 6 12 | 0 25 | 21 16 | 0 27 | 20 24 | 0 44 | 14 36 | 0 44 | 0 53 | 1 38 | 0 10 | 15 30 | 2 36 | 2 34 | 4 34 | 13 43 | 6 29 |
| T 6 | 23 19 | 13 45 | 2 4 | 17 57 | 2 30 | 24 16 | 1 22 | 6 22 | 0 26 | 21 18 | 0 27 | 20 22 | 0 44 | 14 36 | 0 44 | 0 53 | 1 38 | 0 10 | 15 30 | 2 38 | 2 35 | 4 30 | 13 42 | 6 29 |
| W 7 | 23 22 | 7 25 | 0 53 | 18 13 | 2 23 | 24 9 | 1 23 | 6 32 | 0 28 | 21 19 | 0 28 | 20 21 | 0 44 | 14 36 | 0 45 | 0 53 | 1 38 | 0 10 | 15 29 | 2 38 | 2 36 | 4 27 | 13 42 | 6 29 |
| T 8 | 23 25 | 0 45 | 0s21 | 18 30 | 2 16 | 24 3 | 1 25 | 6 42 | 0 30 | 21 20 | 0 28 | 20 20 | 0 44 | 14 37 | 0 45 | 0 53 | 1 38 | 0 10 | 15 29 | 2 38 | 2 38 | 4 23 | 13 41 | 6 29 |
| F 9 | 23 27 | 5s57 | 1 34 | 18 48 | 2 9 | 23 55 | 1 26 | 6 52 | 0 31 | 21 22 | 0 28 | 20 18 | 0 44 | 14 37 | 0 45 | 0 53 | 1 38 | 0 10 | 15 29 | 2 38 | 2 39 | 4 20 | 13 40 | 6 28 |
| S 10 | 23 29 | 12 20 | 2 40 | 19 7 | 2 1 | 23 47 | 1 27 | 7 3 | 0 33 | 21 23 | 0 28 | 20 17 | 0 44 | 14 38 | 0 45 | 0 53 | 1 38 | 0 10 | 15 29 | 2 39 | 2 40 | 4 17 | 13 40 | 6 28 |
| S 11 | 23 30 | 18 4 | 3 37 | 19 26 | 1 53 | 23 37 | 1 28 | 7 13 | 0 34 | 21 24 | 0 28 | 20 15 | 0 44 | 14 38 | 0 45 | 0 53 | 1 38 | 0 10 | 15 28 | 2 41 | 2 42 | 4 13 | 13 39 | 6 28 |
| M12 | 23 31 | 22 49 | 4 21 | 19 46 | 1 45 | 23 28 | 1 30 | 7 24 | 0 35 | 21 26 | 0 29 | 20 14 | 0 44 | 14 38 | 0 45 | 0 53 | 1 38 | 0 10 | 15 28 | 2 44 | 2 43 | 4 10 | 13 39 | 6 28 |
| T 13 | 23 31 | 26 16 | 4 49 | 20 5 | 1 37 | 23 17 | 1 31 | 7 35 | 0 37 | 21 27 | 0 29 | 20 12 | 0 44 | 14 39 | 0 45 | 0 53 | 1 38 | 0 10 | 15 28 | 2 48 | 2 44 | 4 6 | 13 38 | 6 27 |
| W14 | 23 31 | 28 9 | 5 0 | 20 25 | 1 29 | 23 6 | 1 32 | 7 45 | 0 38 | 21 28 | 0 29 | 20 11 | 0 44 | 14 39 | 0 45 | 0 53 | 1 38 | 0 10 | 15 28 | 2 54 | 2 45 | 4 3 | 13 37 | 6 27 |
| T 15 | 23 31 | 28 23 | 4 55 | 20 44 | 1 20 | 22 54 | 1 33 | 7 56 | 0 40 | 21 30 | 0 29 | 20 10 | 0 44 | 14 40 | 0 45 | 0 53 | 1 38 | 0 10 | 15 27 | 2 59 | 2 47 | 3 59 | 13 37 | 6 27 |
| F 16 | 23 30 | 27 1 | 4 34 | 21 3 | 1 12 | 22 41 | 1 34 | 8 7 | 0 41 | 21 31 | 0 29 | 20 8 | 0 44 | 14 40 | 0 45 | 0 53 | 1 38 | 0 9 | 15 27 | 3 4 | 2 48 | 3 56 | 13 36 | 6 27 |
| S 17 | 23 28 | 24 16 | 4 0 | 21 21 | 1 4 | 22 28 | 1 35 | 8 18 | 0 42 | 21 33 | 0 29 | 20 7 | 0 44 | 14 41 | 0 45 | 0 54 | 1 38 | 0 9 | 15 27 | 3 9 | 2 49 | 3 53 | 13 35 | 6 26 |
| S 18 | 23 26 | 20 26 | 3 15 | 21 39 | 0 55 | 22 14 | 1 35 | 8 29 | 0 43 | 21 34 | 0 30 | 20 5 | 0 44 | 14 41 | 0 45 | 0 54 | 1 38 | 0 9 | 15 26 | 3 12 | 2 50 | 3 49 | 13 35 | 6 26 |
| M19 | 23 24 | 15 49 | 2 22 | 21 56 | 0 47 | 21 59 | 1 36 | 8 40 | 0 45 | 21 36 | 0 30 | 20 4 | 0 44 | 14 42 | 0 45 | 0 54 | 1 38 | 0 9 | 15 26 | 3 15 | 2 52 | 3 46 | 13 34 | 6 26 |
| T 20 | 23 21 | 10 40 | 1 23 | 22 13 | 0 39 | 21 44 | 1 37 | 8 51 | 0 46 | 21 37 | 0 30 | 20 2 | 0 44 | 14 42 | 0 45 | 0 54 | 1 38 | 0 9 | 15 26 | 3 16 | 2 53 | 3 42 | 13 33 | 6 26 |
| W21 | 23 17 | 5 11 | 0 21 | 22 29 | 0 31 | 21 28 | 1 37 | 9 2 | 0 47 | 21 39 | 0 30 | 20 0 | 0 44 | 14 43 | 0 45 | 0 54 | 1 38 | 0 9 | 15 26 | 3 16 | 2 54 | 3 39 | 13 32 | 6 26 |
| T 22 | 23 14 | 0n26 | 0n41 | 22 44 | 0 23 | 21 12 | 1 38 | 9 14 | 0 48 | 21 40 | 0 30 | 19 59 | 0 44 | 14 43 | 0 45 | 0 55 | 1 38 | 0 9 | 15 25 | 3 16 | 2 55 | 3 35 | 13 32 | 6 26 |
| F 23 | 23 9 | 6 4 | 1 42 | 22 58 | 0 15 | 20 55 | 1 38 | 9 25 | 0 49 | 21 42 | 0 30 | 19 57 | 0 44 | 14 44 | 0 45 | 0 55 | 1 38 | 0 9 | 15 25 | 3 16 | 2 57 | 3 32 | 13 31 | 6 25 |
| S 24 | 23 5 | 11 33 | 2 39 | 23 11 | 0 7 | 20 37 | 1 39 | 9 36 | 0 50 | 21 43 | 0 31 | 19 56 | 0 44 | 14 45 | 0 45 | 0 55 | 1 38 | 0 8 | 15 25 | 3 17 | 2 58 | 3 28 | 13 30 | 6 25 |
| S 25 | 22 59 | 16 42 | 3 31 | 23 23 | 0s 1 | 20 19 | 1 39 | 9 48 | 0 51 | 21 45 | 0 31 | 19 54 | 0 44 | 14 45 | 0 45 | 0 55 | 1 37 | 0 8 | 15 24 | 3 18 | 2 59 | 3 25 | 13 29 | 6 25 |
| M26 | 22 54 | 21 17 | 4 13 | 23 34 | 0 8 | 20 0 | 1 39 | 9 59 | 0 52 | 21 46 | 0 31 | 19 52 | 0 44 | 14 46 | 0 45 | 0 56 | 1 37 | 0 8 | 15 24 | 3 20 | 3 0 | 3 22 | 13 28 | 6 25 |
| T 27 | 22 47 | 25 1 | 4 44 | 23 45 | 0 16 | 19 40 | 1 39 | 10 10 | 0 53 | 21 48 | 0 31 | 19 51 | 0 44 | 14 46 | 0 45 | 0 56 | 1 37 | 0 8 | 15 24 | 3 23 | 3 2 | 3 18 | 13 27 | 6 25 |
| W28 | 22 41 | 27 32 | 5 1 | 23 54 | 0 23 | 19 20 | 1 39 | 10 22 | 0 54 | 21 50 | 0 31 | 19 49 | 0 44 | 14 47 | 0 45 | 0 56 | 1 37 | 0 8 | 15 23 | 3 27 | 3 3 | 3 15 | 13 27 | 6 25 |
| T 29 | 22 34 | 28 31 | 5 1 | 24 1 | 0 30 | 18 59 | 1 39 | 10 33 | 0 55 | 21 51 | 0 31 | 19 48 | 0 44 | 14 48 | 0 45 | 0 56 | 1 37 | 0 8 | 15 23 | 3 31 | 3 4 | 3 11 | 13 26 | 6 24 |
| F 30 | 22 26 | 27 43 | 4 44 | 24 8 | 0 37 | 18 38 | 1 39 | 10 45 | 0 56 | 21 53 | 0 32 | 19 46 | 0 44 | 14 48 | 0 45 | 0 57 | 1 37 | 0 7 | 15 23 | 3 35 | 3 5 | 3 8 | 13 25 | 6 24 |
| S 31 | 22s18 | 25n 6 | 4n 9 | 24s13 | 0s44 | 18s17 | 1s39 | 10n56 | 0n57 | 21n54 | 0n32 | 19s44 | 0s45 | 14n49 | 0n45 | 0n57 | 1s37 | 0s 7 | 15s22 | 3s39 | 3s 7 | 3s 4 | 13s24 | 6n24 |

Julian Day Number = 2222880.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'26, Lahiri = 15°07'26 Julian Calendar 1 Dec. 1373 == Greg. Calendar 9 Dec. 1373


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## JANUARY 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 13 54 | 19♉ 1'42 | 10♌26 | 4♉ 2 | 15♒12 | 26♈26 | 23°R52 | 5♒23 | 22°R20 | 6♈ 8 | 8°R46 | 20°R40 | 22♓ 8 | 22♓23 | 2♒43 | S 1 |
| M 2 | 7 17 50 | 20° 2'46 | 24°59 | 5°33 | 16°27 | 26°55 | 23♋44 | 5°30 | 22♌18 | 6° 9 | 8♉46 | 20♓35 | 22° 5 | 22°29 | 2°47 | M 2 |
| T 3 | 7 21 47 | 21° 3'50 | 9♍31 | 7° 4 | 17°41 | 27°25 | 23°36 | 5°37 | 22°16 | 6°10 | 8°45 | 20°32 | 22° 1 | 22°36 | 2°52 | T 3 |
| W 4 | 7 25 43 | 22° 4'54 | 23°56 | 8°36 | 18°55 | 27°55 | 23°28 | 5°44 | 22°14 | 6°11 | 8°45 | 20°D32 | 21°58 | 22°42 | 2°57 | W 4 |
| T 5 | 7 29 40 | 23° 5'57 | 8♎12 | 10° 9 | 20°10 | 28°25 | 23°20 | 5°51 | 22°12 | 6°11 | 8°45 | 20°33 | 21°55 | 22°49 | 3° 1 | T 5 |
| F 6 | 7 33 36 | 24° 7'00 | 22°16 | 11°42 | 21°24 | 28°55 | 23°12 | 5°58 | 22°10 | 6°12 | 8°45 | 20°R33 | 21°52 | 22°56 | 3° 6 | F 6 |
| S 7 | 7 37 33 | 25° 8'02 | 6♏ 8 | 13°16 | 22°39 | 29°25 | 23° 4 | 6° 5 | 22° 8 | 6°13 | 8°45 | 20°33 | 21°49 | 23° 2 | 3°11 | S 7 |
| S 8 | 7 41 30 | 26° 9'03 | 19°49 | 14°50 | 23°53 | 29°56 | 22°56 | 6°12 | 22° 5 | 6°14 | 8°45 | 20°30 | 21°46 | 23° 9 | 3°15 | S 8 |
| M 9 | 7 45 26 | 27°10'05 | 3♐18 | 16°25 | 25° 7 | 0♉27 | 22°48 | 6°20 | 22° 3 | 6°15 | 8°44 | 20°25 | 21°42 | 23°16 | 3°20 | M 9 |
| T 10 | 7 49 23 | 28°11'05 | 16°36 | 18° 1 | 26°21 | 0°57 | 22°40 | 6°27 | 22° 1 | 6°16 | 8°44 | 20°18 | 21°39 | 23°22 | 3°24 | T 10 |
| W11 | 7 53 19 | 29°12'05 | 29°41 | 19°37 | 27°36 | 1°28 | 22°32 | 6°34 | 21°58 | 6°18 | 8°44 | 20° 9 | 21°36 | 23°29 | 3°29 | W11 |
| T 12 | 7 57 16 | 0♒13'04 | 12♉35 | 21°14 | 28°50 | 2° 0 | 22°24 | 6°41 | 21°56 | 6°19 | 8°44 | 19°59 | 21°33 | 23°36 | 3°34 | T 12 |
| F 13 | 8 1 12 | 1°14'02 | 25°15 | 22°52 | 0♓ 4 | 2°31 | 22°16 | 6°48 | 21°54 | 6°20 | 8°44 | 19°50 | 21°30 | 23°42 | 3°39 | F 13 |
| S 14 | 8 5 9 | 2°14'59 | 7♒43 | 24°30 | 1°18 | 3° 2 | 22° 9 | 6°56 | 21°51 | 6°21 | 8°D44 | 19°42 | 21°27 | 23°49 | 3°43 | S 14 |
| S 15 | 8 9 6 | 3°15'55 | 19°58 | 26° 9 | 2°32 | 3°34 | 22° 1 | 7° 3 | 21°49 | 6°22 | 8°44 | 19°36 | 21°23 | 23°56 | 3°48 | S 15 |
| M16 | 8 13 2 | 4°16'49 | 2♓ 1 | 27°49 | 3°46 | 4° 6 | 21°53 | 7°10 | 21°46 | 6°24 | 8°44 | 19°31 | 21°20 | 24° 2 | 3°53 | M16 |
| T 17 | 8 16 59 | 5°17'42 | 13°56 | 29°30 | 5° 0 | 4°38 | 21°45 | 7°17 | 21°44 | 6°25 | 8°44 | 19°D30 | 21°17 | 24° 9 | 3°57 | T 17 |
| W18 | 8 20 55 | 6°18'34 | 25°45 | 1♒11 | 6°14 | 5°10 | 21°38 | 7°24 | 21°41 | 6°26 | 8°44 | 19°30 | 21°14 | 24°16 | 4° 2 | W18 |
| T 19 | 8 24 52 | 7°19'25 | 7♈31 | 2°53 | 7°28 | 5°42 | 21°30 | 7°32 | 21°39 | 6°27 | 8°44 | 19°31 | 21°11 | 24°22 | 4° 7 | T 19 |
| F 20 | 8 28 48 | 8°20'14 | 19°19 | 4°36 | 8°42 | 6°14 | 21°23 | 7°39 | 21°36 | 6°29 | 8°44 | 19°33 | 21° 7 | 24°29 | 4°11 | F 20 |
| S 21 | 8 32 45 | 9°21'01 | 1♉15 | 6°19 | 9°55 | 6°46 | 21°16 | 7°46 | 21°34 | 6°30 | 8°45 | 19°34 | 21° 4 | 24°35 | 4°16 | S 21 |
| S 22 | 8 36 41 | 10°21'47 | 13°23 | 8° 4 | 11° 9 | 7°19 | 21° 8 | 7°53 | 21°31 | 6°32 | 8°45 | 19°R34 | 21° 1 | 24°42 | 4°21 | S 22 |
| M23 | 8 40 38 | 11°22'32 | 25°49 | 9°49 | 12°23 | 7°51 | 21° 1 | 8° 0 | 21°29 | 6°33 | 8°45 | 19°33 | 20°58 | 24°49 | 4°25 | M23 |
| T 24 | 8 44 34 | 12°23'14 | 8♊37 | 11°35 | 13°36 | 8°24 | 20°54 | 8° 8 | 21°26 | 6°35 | 8°45 | 19°30 | 20°55 | 24°55 | 4°30 | T 24 |
| W25 | 8 48 31 | 13°23'56 | 21°50 | 13°21 | 14°50 | 8°57 | 20°47 | 8°15 | 21°24 | 6°36 | 8°45 | 19°26 | 20°52 | 25° 2 | 4°34 | W25 |
| T 26 | 8 52 28 | 14°24'35 | 5♋30 | 15° 9 | 16° 3 | 9°30 | 20°40 | 8°22 | 21°21 | 6°38 | 8°46 | 19°20 | 20°48 | 25° 9 | 4°39 | T 26 |
| F 27 | 8 56 24 | 15°25'13 | 19°37 | 16°57 | 17°17 | 10° 3 | 20°34 | 8°29 | 21°18 | 6°39 | 8°46 | 19°15 | 20°45 | 25°15 | 4°44 | F 27 |
| S 28 | 9 0 21 | 16°25'49 | 4♌ 7 | 18°46 | 18°30 | 10°36 | 20°27 | 8°36 | 21°16 | 6°41 | 8°46 | 19°10 | 20°42 | 25°22 | 4°48 | S 28 |
| S 29 | 9 4 17 | 17°26'24 | 18°54 | 20°36 | 19°44 | 11° 9 | 20°21 | 8°43 | 21°13 | 6°42 | 8°47 | 19° 6 | 20°39 | 25°29 | 4°53 | S 29 |
| M30 | 9 8 14 | 18°26'57 | 3♍51 | 22°26 | 20°57 | 11°42 | 20°14 | 8°51 | 21°11 | 6°44 | 8°47 | 19° 4 | 20°36 | 25°35 | 4°57 | M30 |
| T 31 | 9 12 10 | 19♒27'28 | 18♍49 | 24♒17 | 22♓10 | 12♉16 | 20♋ 8 | 8♒58 | 21♌ 8 | 6♈46 | 8♉47 | 19°D 3 | 20♓33 | 25♓42 | 5♒ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s10 | 20n50 | 3n17 | 24s18 | 0s50 | 17s55 | 1s39 | 11n 8 | 0n58 | 21n56 | 0n32 | 19s43 | 0s45 | 14n50 | 0n45 | 0n57 | 1s37 | 0s 7 | 15s22 | 3s43 | 3s 8 | 3s 1 | 13s23 | 6n24 |
| M 2 | 22 1 | 15 19 | 2 12 | 24 21 | 0 56 | 17 32 | 1 39 | 11 19 | 0 59 | 21 57 | 0 32 | 19 41 | 0 45 | 14 50 | 0 45 | 0 58 | 1 37 | 0 7 | 15 22 | 3 45 | 3 9 | 2 57 | 13 22 | 6 24 |
| T 3 | 21 52 | 8 56 | 0 59 | 24 22 | 1 2 | 17 9 | 1 38 | 11 31 | 1 0 | 21 59 | 0 32 | 19 39 | 0 45 | 14 51 | 0 45 | 0 58 | 1 37 | 0 6 | 15 21 | 3 46 | 3 10 | 2 54 | 13 21 | 6 24 |
| W 4 | 21 42 | 2 8 | 0s18 | 24 23 | 1 8 | 16 45 | 1 38 | 11 42 | 1 0 | 22 0 | 0 32 | 19 38 | 0 45 | 14 52 | 0 46 | 0 59 | 1 37 | 0 6 | 15 21 | 3 46 | 3 12 | 2 51 | 13 20 | 6 24 |
| T 5 | 21 32 | 4s41 | 1 33 | 24 21 | 1 14 | 16 21 | 1 37 | 11 54 | 1 1 | 22 2 | 0 32 | 19 36 | 0 45 | 14 53 | 0 46 | 0 59 | 1 37 | 0 6 | 15 21 | 3 46 | 3 13 | 2 47 | 13 19 | 6 24 |
| F 6 | 21 22 | 11 12 | 2 42 | 24 19 | 1 19 | 15 57 | 1 37 | 12 5 | 1 2 | 22 3 | 0 33 | 19 34 | 0 45 | 14 53 | 0 46 | 0 59 | 1 37 | 0 6 | 15 20 | 3 45 | 3 14 | 2 44 | 13 19 | 6 24 |
| S 7 | 21 11 | 17 4 | 3 39 | 24 15 | 1 24 | 15 32 | 1 36 | 12 17 | 1 3 | 22 5 | 0 33 | 19 32 | 0 45 | 14 54 | 0 46 | 1 0 | 1 37 | 0 5 | 15 20 | 3 46 | 3 15 | 2 40 | 13 18 | 6 23 |
| S 8 | 21 0 | 21 59 | 4 24 | 24 10 | 1 29 | 15 6 | 1 35 | 12 29 | 1 3 | 22 6 | 0 33 | 19 31 | 0 45 | 14 55 | 0 46 | 1 0 | 1 37 | 0 5 | 15 20 | 3 47 | 3 17 | 2 37 | 13 17 | 6 23 |
| M 9 | 20 48 | 25 41 | 4 53 | 24 3 | 1 34 | 14 41 | 1 35 | 12 40 | 1 4 | 22 8 | 0 33 | 19 29 | 0 45 | 14 56 | 0 46 | 1 1 | 1 37 | 0 5 | 15 19 | 3 49 | 3 18 | 2 33 | 13 16 | 6 23 |
| T 10 | 20 36 | 27 55 | 5 6 | 23 55 | 1 38 | 14 15 | 1 34 | 12 52 | 1 5 | 22 9 | 0 33 | 19 27 | 0 45 | 14 56 | 0 46 | 1 1 | 1 37 | 0 5 | 15 19 | 3 51 | 3 19 | 2 30 | 13 15 | 6 23 |
| W11 | 20 23 | 28 33 | 5 2 | 23 46 | 1 42 | 13 48 | 1 33 | 13 3 | 1 6 | 22 11 | 0 33 | 19 25 | 0 45 | 14 57 | 0 46 | 1 2 | 1 37 | 0 4 | 15 19 | 3 55 | 3 21 | 2 26 | 13 14 | 6 23 |
| T 12 | 20 10 | 27 37 | 4 43 | 23 35 | 1 46 | 13 21 | 1 32 | 13 15 | 1 6 | 22 12 | 0 33 | 19 24 | 0 45 | 14 58 | 0 46 | 1 2 | 1 37 | 0 4 | 15 18 | 3 59 | 3 22 | 2 23 | 13 13 | 6 23 |
| F 13 | 19 57 | 25 16 | 4 10 | 23 22 | 1 49 | 12 54 | 1 31 | 13 26 | 1 7 | 22 13 | 0 33 | 19 22 | 0 45 | 14 59 | 0 46 | 1 3 | 1 37 | 0 4 | 15 18 | 4 2 | 3 23 | 2 20 | 13 12 | 6 23 |
| S 14 | 19 44 | 21 43 | 3 26 | 23 8 | 1 52 | 12 26 | 1 29 | 13 37 | 1 7 | 22 15 | 0 33 | 19 20 | 0 45 | 15 0 | 0 46 | 1 3 | 1 36 | 0 3 | 15 18 | 4 6 | 3 24 | 2 16 | 13 11 | 6 23 |
| S 15 | 19 30 | 17 18 | 2 33 | 22 52 | 1 55 | 11 59 | 1 28 | 13 49 | 1 8 | 22 16 | 0 34 | 19 18 | 0 45 | 15 0 | 0 46 | 1 4 | 1 36 | 0 3 | 15 17 | 4 8 | 3 26 | 2 13 | 13 10 | 6 23 |
| M16 | 19 15 | 12 14 | 1 33 | 22 35 | 1 57 | 11 30 | 1 27 | 14 0 | 1 9 | 22 17 | 0 34 | 19 17 | 0 45 | 15 1 | 0 46 | 1 4 | 1 36 | 0 3 | 15 17 | 4 10 | 3 27 | 2 9 | 13 8 | 6 23 |
| T 17 | 19 1 | 6 48 | 0 30 | 22 16 | 1 59 | 11 2 | 1 25 | 14 12 | 1 9 | 22 19 | 0 34 | 19 15 | 0 46 | 15 2 | 0 46 | 1 5 | 1 36 | 0 2 | 15 17 | 4 10 | 3 28 | 2 6 | 13 7 | 6 23 |
| W18 | 18 46 | 1 11 | 0n34 | 21 56 | 2 1 | 10 33 | 1 24 | 14 23 | 1 10 | 22 20 | 0 34 | 19 13 | 0 46 | 15 3 | 0 46 | 1 5 | 1 36 | 0 2 | 15 16 | 4 10 | 3 29 | 2 2 | 13 6 | 6 23 |
| T 19 | 18 30 | 4n28 | 1 36 | 21 34 | 2 3 | 10 4 | 1 22 | 14 34 | 1 10 | 22 21 | 0 34 | 19 11 | 0 46 | 15 4 | 0 46 | 1 6 | 1 36 | 0 2 | 15 16 | 4 10 | 3 31 | 1 59 | 13 5 | 6 23 |
| F 20 | 18 15 | 9 59 | 2 35 | 21 11 | 2 4 | 9 35 | 1 21 | 14 46 | 1 11 | 22 23 | 0 34 | 19 10 | 0 46 | 15 4 | 0 46 | 1 7 | 1 36 | 0 1 | 15 16 | 4 9 | 3 32 | 1 55 | 13 4 | 6 23 |
| S 21 | 17 59 | 15 11 | 3 28 | 20 46 | 2 4 | 9 5 | 1 19 | 14 57 | 1 11 | 22 24 | 0 34 | 19 8 | 0 46 | 15 5 | 0 46 | 1 7 | 1 36 | 0 1 | 15 15 | 4 9 | 3 33 | 1 52 | 13 3 | 6 23 |
| S 22 | 17 42 | 19 55 | 4 12 | 20 19 | 2 4 | 8 36 | 1 17 | 15 8 | 1 12 | 22 25 | 0 34 | 19 6 | 0 46 | 15 6 | 0 46 | 1 8 | 1 36 | 0 1 | 15 15 | 4 9 | 3 34 | 1 48 | 13 2 | 6 23 |
| M23 | 17 26 | 23 54 | 4 46 | 19 51 | 2 4 | 8 6 | 1 15 | 15 19 | 1 12 | 22 26 | 0 34 | 19 4 | 0 46 | 15 7 | 0 46 | 1 8 | 1 36 | 0 0 | 15 15 | 4 9 | 3 36 | 1 45 | 13 1 | 6 23 |
| T 24 | 17 9 | 26 51 | 5 6 | 19 21 | 2 3 | 7 36 | 1 13 | 15 30 | 1 13 | 22 28 | 0 34 | 19 2 | 0 46 | 15 8 | 0 46 | 1 9 | 1 36 | 0n 0 | 15 14 | 4 10 | 3 37 | 1 42 | 13 0 | 6 23 |
| W25 | 16 51 | 28 27 | 5 11 | 18 49 | 2 2 | 7 5 | 1 11 | 15 41 | 1 13 | 22 29 | 0 35 | 19 1 | 0 46 | 15 9 | 0 46 | 1 10 | 1 36 | 0 1 | 15 14 | 4 12 | 3 38 | 1 38 | 12 59 | 6 23 |
| T 26 | 16 34 | 28 24 | 4 59 | 18 16 | 2 0 | 6 35 | 1 9 | 15 52 | 1 14 | 22 30 | 0 35 | 18 59 | 0 46 | 15 10 | 0 46 | 1 10 | 1 36 | 0 1 | 15 14 | 4 14 | 3 39 | 1 35 | 12 58 | 6 23 |
| F 27 | 16 16 | 26 31 | 4 29 | 17 41 | 1 58 | 6 4 | 1 7 | 16 3 | 1 14 | 22 31 | 0 35 | 18 57 | 0 46 | 15 10 | 0 46 | 1 11 | 1 36 | 0 1 | 15 13 | 4 16 | 3 41 | 1 31 | 12 57 | 6 23 |
| S 28 | 15 58 | 22 52 | 3 41 | 17 5 | 1 55 | 5 33 | 1 5 | 16 14 | 1 15 | 22 32 | 0 35 | 18 55 | 0 46 | 15 11 | 0 46 | 1 12 | 1 36 | 0 2 | 15 13 | 4 18 | 3 42 | 1 28 | 12 55 | 6 23 |
| S 29 | 15 40 | 17 42 | 2 38 | 16 27 | 1 52 | 5 2 | 1 3 | 16 25 | 1 15 | 22 33 | 0 35 | 18 53 | 0 46 | 15 12 | 0 46 | 1 12 | 1 36 | 0 2 | 15 13 | 4 20 | 3 43 | 1 24 | 12 54 | 6 23 |
| M30 | 15 21 | 11 25 | 1 22 | 15 47 | 1 48 | 4 31 | 1 0 | 16 36 | 1 16 | 22 34 | 0 35 | 18 51 | 0 46 | 15 13 | 0 46 | 1 13 | 1 36 | 0 3 | 15 12 | 4 21 | 3 44 | 1 21 | 12 53 | 6 23 |
| T 31 | 15s 2 | 4n28 | 0n 1 | 15s 6 | 1s44 | 4s 0 | 0s58 | 16n47 | 1n16 | 22n35 | 0n35 | 18s50 | 0s47 | 15n14 | 0n46 | 1n14 | 1s36 | 0n 3 | 15s12 | 4s21 | 3s46 | 1s17 | 12s52 | 6n24 |

Julian Day Number = 2222911.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'30, Lahiri = 15°07'30 Julian Calendar 1 Jan. 1374 == Greg. Calendar 9 Jan. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## FEBRUARY 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 16 7 | 20♒27'59 | 3♎39 | 26♒ 8 | 23♓23 | 12♉49 | 20°R 2 | 9♒ 5 | 21°R 5 | 6♈47 | 8♉48 | 19♓ 3 | 20♓29 | 25♓49 | 5♒ 7 | W 1 |
| T 2 | 9 20 4 | 21°28'27 | 18°16 | 28° 0 | 24°36 | 13°23 | 19♋56 | 9°12 | 21♌ 3 | 6°49 | 8°48 | 19° 5 | 20°26 | 25°55 | 5°11 | T 2 |
| F 3 | 9 24 0 | 22°28'55 | 2♏36 | 29°52 | 25°49 | 13°56 | 19°50 | 9°19 | 21° 0 | 6°51 | 8°48 | 19° 6 | 20°23 | 26° 2 | 5°16 | F 3 |
| S 4 | 9 27 57 | 23°29'21 | 16°36 | 1♐44 | 27° 2 | 14°30 | 19°45 | 9°26 | 20°57 | 6°52 | 8°49 | 19° 7 | 20°20 | 26° 8 | 5°20 | S 4 |
| S 5 | 9 31 53 | 24°29'46 | 0♑16 | 3°37 | 28°15 | 15° 4 | 19°39 | 9°33 | 20°55 | 6°54 | 8°49 | 19°R 7 | 20°17 | 26°15 | 5°25 | S 5 |
| M 6 | 9 35 50 | 25°30'09 | 13°37 | 5°29 | 29°28 | 15°38 | 19°34 | 9°40 | 20°52 | 6°56 | 8°50 | 19° 6 | 20°13 | 26°22 | 5°29 | M 6 |
| T 7 | 9 39 46 | 26°30'31 | 26°40 | 7°20 | 0♈41 | 16°12 | 19°29 | 9°47 | 20°50 | 6°58 | 8°50 | 19° 4 | 20°10 | 26°28 | 5°33 | T 7 |
| W 8 | 9 43 43 | 27°30'52 | 9♉28 | 9°11 | 1°54 | 16°46 | 19°24 | 9°54 | 20°47 | 7° 0 | 8°51 | 19° 1 | 20° 7 | 26°35 | 5°38 | W 8 |
| T 9 | 9 47 39 | 28°31'11 | 22° 2 | 11° 1 | 3° 6 | 17°20 | 19°19 | 10° 1 | 20°44 | 7° 2 | 8°51 | 18°58 | 20° 4 | 26°42 | 5°42 | T 9 |
| F 10 | 9 51 36 | 29°31'28 | 4♒23 | 12°49 | 4°19 | 17°54 | 19°14 | 10° 8 | 20°42 | 7° 3 | 8°52 | 18°54 | 20° 1 | 26°48 | 5°47 | F 10 |
| S 11 | 9 55 33 | 0♓31'44 | 16°35 | 14°35 | 5°31 | 18°28 | 19°10 | 10°15 | 20°39 | 7° 5 | 8°52 | 18°51 | 19°58 | 26°55 | 5°51 | S 11 |
| S 12 | 9 59 29 | 1°31'57 | 28°37 | 16°19 | 6°44 | 19° 3 | 19° 5 | 10°22 | 20°37 | 7° 7 | 8°53 | 18°49 | 19°54 | 27° 2 | 5°55 | S 12 |
| M13 | 10 3 26 | 2°32'09 | 10♓32 | 18° 0 | 7°56 | 19°37 | 19° 1 | 10°29 | 20°34 | 7° 9 | 8°54 | 18°48 | 19°51 | 27° 8 | 6° 0 | M13 |
| T 14 | 10 7 22 | 3°32'20 | 22°22 | 19°38 | 9° 8 | 20°11 | 18°57 | 10°36 | 20°31 | 7°11 | 8°54 | 18°D48 | 19°48 | 27°15 | 6° 4 | T 14 |
| W15 | 10 11 19 | 4°32'28 | 4♈10 | 21°12 | 10°20 | 20°46 | 18°53 | 10°43 | 20°29 | 7°13 | 8°55 | 18°49 | 19°45 | 27°22 | 6° 8 | W15 |
| T 16 | 10 15 15 | 5°32'34 | 15°57 | 22°42 | 11°32 | 21°20 | 18°50 | 10°49 | 20°26 | 7°15 | 8°56 | 18°50 | 19°42 | 27°28 | 6°12 | T 16 |
| F 17 | 10 19 12 | 6°32'38 | 27°47 | 24° 6 | 12°44 | 21°55 | 18°46 | 10°56 | 20°24 | 7°17 | 8°56 | 18°51 | 19°39 | 27°35 | 6°16 | F 17 |
| S 18 | 10 23 8 | 7°32'40 | 9♉43 | 25°25 | 13°56 | 22°30 | 18°43 | 11° 3 | 20°21 | 7°19 | 8°57 | 18°52 | 19°35 | 27°42 | 6°21 | S 18 |
| S 19 | 10 27 5 | 8°32'40 | 21°51 | 26°38 | 15° 8 | 23° 4 | 18°40 | 11°10 | 20°19 | 7°21 | 8°58 | 18°53 | 19°32 | 27°48 | 6°25 | S 19 |
| M20 | 10 31 1 | 9°32'37 | 4♊14 | 27°44 | 16°20 | 23°39 | 18°37 | 11°16 | 20°17 | 7°23 | 8°59 | 18°R54 | 19°29 | 27°55 | 6°29 | M20 |
| T 21 | 10 34 58 | 10°32'33 | 16°57 | 28°43 | 17°32 | 24°14 | 18°34 | 11°23 | 20°14 | 7°25 | 8°59 | 18°54 | 19°26 | 28° 1 | 6°33 | T 21 |
| W22 | 10 38 55 | 11°32'26 | 0♋ 3 | 29°35 | 18°43 | 24°49 | 18°32 | 11°29 | 20°12 | 7°27 | 9° 0 | 18°53 | 19°23 | 28° 8 | 6°37 | W22 |
| T 23 | 10 42 51 | 12°32'17 | 13°36 | 0♈18 | 19°55 | 25°24 | 18°29 | 11°36 | 20° 9 | 7°29 | 9° 1 | 18°53 | 19°19 | 28°15 | 6°41 | T 23 |
| F 24 | 10 46 48 | 13°32'06 | 27°36 | 0°54 | 21° 6 | 25°59 | 18°27 | 11°42 | 20° 7 | 7°31 | 9° 2 | 18°52 | 19°16 | 28°21 | 6°45 | F 24 |
| S 25 | 10 50 44 | 14°31'52 | 12♌ 3 | 1°21 | 22°17 | 26°34 | 18°25 | 11°49 | 20° 5 | 7°34 | 9° 3 | 18°51 | 19°13 | 28°28 | 6°49 | S 25 |
| S 26 | 10 54 41 | 15°31'36 | 26°52 | 1°40 | 23°28 | 27° 9 | 18°24 | 11°55 | 20° 2 | 7°36 | 9° 3 | 18°51 | 19°10 | 28°35 | 6°53 | S 26 |
| M27 | 10 58 37 | 16°31'19 | 11♍56 | 1°50 | 24°39 | 27°44 | 18°22 | 12° 2 | 20° 0 | 7°38 | 9° 4 | 18°D51 | 19° 7 | 28°41 | 6°57 | M27 |
| T 28 | 11 2 34 | 17♓30'58 | 27♍ 9 | 1°R51 | 25♈50 | 28♉19 | 18♋21 | 12♒ 8 | 19♌58 | 7♈40 | 9♉ 5 | 18♓51 | 19♓ 4 | 28♓48 | 7♒ 0 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s43 | 2s40 | 1s19 | 14s24 | 1s39 | 3s29 | 0s55 | 16n57 | 1n16 | 22n36 | 0n35 | 18s48 | 0s47 | 15n15 | 0n46 | 1n14 | 1s36 | 0n 3 | 15s12 | 4s21 | 3s47 | 1s14 | 12s51 | 6n24 |
| T 2 | 14 24 | 9 33 | 2 34 | 13 40 | 1 33 | 2 57 | 0 53 | 17 8 | 1 17 | 22 37 | 0 35 | 18 46 | 0 47 | 15 15 | 0 46 | 1 15 | 1 36 | 0 4 | 15 11 | 4 20 | 3 48 | 1 10 | 12 50 | 6 24 |
| F 3 | 14 4 | 15 49 | 3 37 | 12 55 | 1 27 | 2 26 | 0 50 | 17 18 | 1 17 | 22 38 | 0 35 | 18 44 | 0 47 | 15 16 | 0 46 | 1 16 | 1 36 | 0 4 | 15 11 | 4 20 | 3 49 | 1 7 | 12 49 | 6 24 |
| S 4 | 13 44 | 21 6 | 4 26 | 12 8 | 1 20 | 1 54 | 0 48 | 17 29 | 1 17 | 22 39 | 0 35 | 18 42 | 0 47 | 15 17 | 0 46 | 1 16 | 1 36 | 0 5 | 15 11 | 4 19 | 3 51 | 1 4 | 12 47 | 6 24 |
| S 5 | 13 24 | 25 8 | 4 58 | 11 21 | 1 12 | 1 23 | 0 45 | 17 39 | 1 18 | 22 40 | 0 35 | 18 41 | 0 47 | 15 18 | 0 46 | 1 17 | 1 36 | 0 5 | 15 10 | 4 19 | 3 52 | 1 0 | 12 46 | 6 24 |
| M 6 | 13 4 | 27 42 | 5 13 | 10 32 | 1 4 | 0 51 | 0 42 | 17 49 | 1 18 | 22 40 | 0 35 | 18 39 | 0 47 | 15 19 | 0 46 | 1 18 | 1 36 | 0 6 | 15 10 | 4 20 | 3 53 | 0 57 | 12 45 | 6 24 |
| T 7 | 12 43 | 28 41 | 5 12 | 9 42 | 0 55 | 0 20 | 0 39 | 18 0 | 1 18 | 22 41 | 0 35 | 18 37 | 0 47 | 15 20 | 0 46 | 1 19 | 1 36 | 0 6 | 15 10 | 4 21 | 3 54 | 0 53 | 12 44 | 6 24 |
| W 8 | 12 23 | 28 5 | 4 55 | 8 52 | 0 46 | 0n12 | 0 36 | 18 10 | 1 19 | 22 42 | 0 35 | 18 35 | 0 47 | 15 21 | 0 46 | 1 19 | 1 36 | 0 7 | 15 9 | 4 22 | 3 56 | 0 50 | 12 43 | 6 24 |
| T 9 | 12 2 | 26 3 | 4 24 | 8 1 | 0 36 | 0 44 | 0 33 | 18 20 | 1 19 | 22 43 | 0 35 | 18 33 | 0 47 | 15 21 | 0 46 | 1 20 | 1 36 | 0 7 | 15 9 | 4 23 | 3 57 | 0 46 | 12 42 | 6 25 |
| F 10 | 11 41 | 22 49 | 3 41 | 7 9 | 0 25 | 1 15 | 0 30 | 18 30 | 1 19 | 22 43 | 0 35 | 18 32 | 0 47 | 15 22 | 0 46 | 1 21 | 1 35 | 0 8 | 15 9 | 4 24 | 3 58 | 0 43 | 12 40 | 6 25 |
| S 11 | 11 19 | 18 36 | 2 49 | 6 18 | 0 14 | 1 47 | 0 27 | 18 40 | 1 20 | 22 44 | 0 36 | 18 30 | 0 48 | 15 23 | 0 46 | 1 22 | 1 35 | 0 8 | 15 8 | 4 25 | 3 59 | 0 39 | 12 39 | 6 25 |
| S 12 | 10 58 | 13 42 | 1 49 | 5 27 | 0 2 | 2 19 | 0 24 | 18 49 | 1 20 | 22 45 | 0 36 | 18 28 | 0 48 | 15 24 | 0 46 | 1 23 | 1 35 | 0 8 | 15 8 | 4 26 | 4 1 | 0 36 | 12 38 | 6 25 |
| M13 | 10 36 | 8 21 | 0 46 | 4 36 | 0n11 | 2 50 | 0 21 | 18 59 | 1 20 | 22 45 | 0 36 | 18 26 | 0 48 | 15 25 | 0 46 | 1 23 | 1 35 | 0 9 | 15 8 | 4 27 | 4 2 | 0 33 | 12 37 | 6 25 |
| T 14 | 10 15 | 2 44 | 0n20 | 3 45 | 0 24 | 3 22 | 0 18 | 19 9 | 1 21 | 22 46 | 0 36 | 18 24 | 0 48 | 15 25 | 0 46 | 1 24 | 1 35 | 0 9 | 15 7 | 4 27 | 4 3 | 0 29 | 12 36 | 6 25 |
| W15 | 9 53 | 2n57 | 1 24 | 2 56 | 0 37 | 3 53 | 0 15 | 19 18 | 1 21 | 22 47 | 0 36 | 18 23 | 0 48 | 15 26 | 0 46 | 1 25 | 1 35 | 0 10 | 15 7 | 4 26 | 4 4 | 0 26 | 12 34 | 6 26 |
| T 16 | 9 31 | 8 31 | 2 25 | 2 8 | 0 51 | 4 24 | 0 11 | 19 28 | 1 21 | 22 47 | 0 36 | 18 21 | 0 48 | 15 27 | 0 46 | 1 26 | 1 35 | 0 10 | 15 7 | 4 26 | 4 6 | 0 22 | 12 33 | 6 26 |
| F 17 | 9 8 | 13 49 | 3 20 | 1 22 | 1 4 | 4 56 | 0 8 | 19 37 | 1 21 | 22 48 | 0 36 | 18 19 | 0 48 | 15 28 | 0 46 | 1 27 | 1 35 | 0 11 | 15 7 | 4 26 | 4 7 | 0 19 | 12 32 | 6 26 |
| S 18 | 8 46 | 18 40 | 4 7 | 0 38 | 1 18 | 5 27 | 0 5 | 19 46 | 1 21 | 22 48 | 0 36 | 18 17 | 0 48 | 15 29 | 0 46 | 1 27 | 1 35 | 0 11 | 15 6 | 4 25 | 4 8 | 0 15 | 12 31 | 6 26 |
| S 19 | 8 24 | 22 51 | 4 43 | 0n 4 | 1 32 | 5 58 | 0 1 | 19 55 | 1 22 | 22 49 | 0 36 | 18 16 | 0 48 | 15 29 | 0 46 | 1 28 | 1 35 | 0 12 | 15 6 | 4 25 | 4 9 | 0 12 | 12 30 | 6 26 |
| M20 | 8 1 | 26 6 | 5 7 | 0 43 | 1 46 | 6 29 | 0n 2 | 20 4 | 1 22 | 22 49 | 0 36 | 18 14 | 0 48 | 15 30 | 0 46 | 1 29 | 1 35 | 0 12 | 15 6 | 4 25 | 4 11 | 0 8 | 12 29 | 6 26 |
| T 21 | 7 38 | 28 9 | 5 17 | 1 19 | 2 0 | 6 59 | 0 6 | 20 13 | 1 22 | 22 49 | 0 36 | 18 12 | 0 49 | 15 31 | 0 46 | 1 30 | 1 35 | 0 13 | 15 5 | 4 25 | 4 12 | 0 5 | 12 27 | 6 27 |
| W22 | 7 16 | 28 43 | 5 12 | 1 52 | 2 13 | 7 30 | 0 9 | 20 22 | 1 22 | 22 50 | 0 36 | 18 10 | 0 49 | 15 32 | 0 46 | 1 31 | 1 35 | 0 13 | 15 5 | 4 25 | 4 13 | 0 1 | 12 26 | 6 27 |
| T 23 | 6 53 | 27 37 | 4 49 | 2 21 | 2 26 | 8 0 | 0 13 | 20 31 | 1 22 | 22 50 | 0 36 | 18 9 | 0 49 | 15 32 | 0 46 | 1 32 | 1 35 | 0 14 | 15 5 | 4 25 | 4 14 | 0n 2 | 12 25 | 6 27 |
| F 24 | 6 30 | 24 46 | 4 8 | 2 46 | 2 38 | 8 31 | 0 16 | 20 39 | 1 23 | 22 50 | 0 36 | 18 7 | 0 49 | 15 33 | 0 46 | 1 32 | 1 35 | 0 14 | 15 5 | 4 25 | 4 16 | 0 5 | 12 24 | 6 27 |
| S 25 | 6 7 | 20 17 | 3 11 | 3 8 | 2 49 | 9 1 | 0 20 | 20 48 | 1 23 | 22 51 | 0 36 | 18 5 | 0 49 | 15 34 | 0 46 | 1 33 | 1 35 | 0 15 | 15 4 | 4 25 | 4 17 | 0 9 | 12 23 | 6 28 |
| S 26 | 5 43 | 14 28 | 1 59 | 3 25 | 3 0 | 9 30 | 0 23 | 20 56 | 1 23 | 22 51 | 0 36 | 18 4 | 0 49 | 15 35 | 0 46 | 1 34 | 1 35 | 0 15 | 15 4 | 4 26 | 4 18 | 0 12 | 12 21 | 6 28 |
| M27 | 5 20 | 7 42 | 0 38 | 3 37 | 3 9 | 10 0 | 0 27 | 21 4 | 1 23 | 22 51 | 0 36 | 18 2 | 0 49 | 15 35 | 0 46 | 1 35 | 1 35 | 0 16 | 15 4 | 4 26 | 4 19 | 0 16 | 12 20 | 6 28 |
| T 28 | 4s57 | 0n26 | 0s46 | 3n45 | 3n17 | 10n30 | 0n31 | 21n13 | 1n23 | 22n51 | 0n36 | 18s 0 | 0s49 | 15n36 | 0n46 | 1n36 | 1s35 | 0n17 | 15s 3 | 4s26 | 4s21 | 0n19 | 12s19 | 6n28 |

Julian Day Number = 2222942.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'34, Lahiri = 15°07'35 Julian Calendar 1 Feb. 1374 == Greg. Calendar 9 Feb. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## MARCH 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 6 30 | 18♓30'36 | 12♎18 | 1°R45 | 27♈ 1 | 28♉54 | 18°R20 | 12♒14 | 19°R56 | 7♈42 | 9♉ 6 | 18°R51 | 19♓ 0 | 28♓55 | 7♒ 4 | W 1 |
| T 2 | 11 10 27 | 19°30'13 | 27°16 | 1♈30 | 28°12 | 29°30 | 18♋19 | 12°21 | 19♌53 | 7°44 | 9° 7 | 18♓51 | 18°57 | 29° 1 | 7° 8 | T 2 |
| F 3 | 11 14 24 | 20°29'47 | 11♏56 | 1° 8 | 29°22 | 0♊ 5 | 18°18 | 12°27 | 19°51 | 7°46 | 9° 8 | 18°51 | 18°54 | 29° 8 | 7°12 | F 3 |
| S 4 | 11 18 20 | 21°29'19 | 26°11 | 0°40 | 0♉33 | 0°40 | 18°17 | 12°33 | 19°49 | 7°49 | 9° 9 | 18°51 | 18°51 | 29°15 | 7°15 | S 4 |
| S 5 | 11 22 17 | 22°28'50 | 10♐ 1 | 0° 5 | 1°43 | 1°16 | 18°17 | 12°39 | 19°47 | 7°51 | 9°10 | 18°50 | 18°48 | 29°21 | 7°19 | S 5 |
| M 6 | 11 26 13 | 23°28'19 | 23°26 | 29♓24 | 2°54 | 1°51 | 18°17 | 12°45 | 19°45 | 7°53 | 9°11 | 18°D50 | 18°45 | 29°28 | 7°22 | M 6 |
| T 7 | 11 30 10 | 24°27'47 | 6♑26 | 28°40 | 4° 4 | 2°26 | 18°D17 | 12°51 | 19°43 | 7°55 | 9°12 | 18°50 | 18°41 | 29°35 | 7°26 | T 7 |
| W 8 | 11 34 6 | 25°27'12 | 19° 6 | 27°51 | 5°14 | 3° 2 | 18°17 | 12°57 | 19°41 | 7°58 | 9°13 | 18°51 | 18°38 | 29°41 | 7°29 | W 8 |
| T 9 | 11 38 3 | 26°26'36 | 1♒29 | 27° 1 | 6°24 | 3°37 | 18°17 | 13° 3 | 19°39 | 8° 0 | 9°14 | 18°51 | 18°35 | 29°48 | 7°33 | T 9 |
| F 10 | 11 41 59 | 27°25'58 | 13°39 | 26° 9 | 7°33 | 4°13 | 18°18 | 13° 9 | 19°37 | 8° 2 | 9°15 | 18°52 | 18°32 | 29°54 | 7°36 | F 10 |
| S 11 | 11 45 56 | 28°25'18 | 25°38 | 25°17 | 8°43 | 4°49 | 18°18 | 13°15 | 19°35 | 8° 4 | 9°16 | 18°53 | 18°29 | 0♈ 1 | 7°40 | S 11 |
| S 12 | 11 49 53 | 29°24'35 | 7♓31 | 24°26 | 9°53 | 5°24 | 18°19 | 13°21 | 19°33 | 8° 6 | 9°17 | 18°54 | 18°25 | 0° 8 | 7°43 | S 12 |
| M13 | 11 53 49 | 0♈23'51 | 19°20 | 23°37 | 11° 2 | 6° 0 | 18°21 | 13°26 | 19°32 | 8° 9 | 9°18 | 18°R54 | 18°22 | 0°14 | 7°46 | M13 |
| T 14 | 11 57 46 | 1°23'05 | 1♈ 7 | 22°51 | 12°11 | 6°35 | 18°22 | 13°32 | 19°30 | 8°11 | 9°19 | 18°54 | 18°19 | 0°21 | 7°49 | T 14 |
| W15 | 12 1 42 | 2°22'17 | 12°55 | 22° 8 | 13°20 | 7°11 | 18°23 | 13°37 | 19°28 | 8°13 | 9°20 | 18°53 | 18°16 | 0°28 | 7°53 | W15 |
| T 16 | 12 5 39 | 3°21'27 | 24°45 | 21°28 | 14°29 | 7°47 | 18°25 | 13°43 | 19°26 | 8°15 | 9°22 | 18°51 | 18°13 | 0°34 | 7°56 | T 16 |
| F 17 | 12 9 35 | 4°20'34 | 6♉41 | 20°54 | 15°38 | 8°23 | 18°27 | 13°48 | 19°25 | 8°18 | 9°23 | 18°49 | 18°10 | 0°41 | 7°59 | F 17 |
| S 18 | 12 13 32 | 5°19'39 | 18°44 | 20°24 | 16°47 | 8°58 | 18°29 | 13°54 | 19°23 | 8°20 | 9°24 | 18°46 | 18° 6 | 0°48 | 8° 2 | S 18 |
| S 19 | 12 17 28 | 6°18'43 | 0♊57 | 20° 0 | 17°55 | 9°34 | 18°31 | 13°59 | 19°22 | 8°22 | 9°25 | 18°44 | 18° 3 | 0°54 | 8° 5 | S 19 |
| M20 | 12 21 25 | 7°17'43 | 13°23 | 19°41 | 19° 4 | 10°10 | 18°34 | 14° 4 | 19°20 | 8°25 | 9°26 | 18°42 | 18° 0 | 1° 1 | 8° 8 | M20 |
| T 21 | 12 25 22 | 8°16'42 | 26° 5 | 19°28 | 20°12 | 10°46 | 18°36 | 14°10 | 19°19 | 8°27 | 9°27 | 18°40 | 17°57 | 1° 8 | 8°11 | T 21 |
| W22 | 12 29 18 | 9°15'38 | 9♋ 6 | 19°20 | 21°20 | 11°22 | 18°39 | 14°15 | 19°17 | 8°29 | 9°28 | 18°D40 | 17°54 | 1°14 | 8°13 | W22 |
| T 23 | 12 33 15 | 10°14'32 | 22°30 | 19°D17 | 22°28 | 11°58 | 18°42 | 14°20 | 19°16 | 8°31 | 9°30 | 18°40 | 17°50 | 1°21 | 8°16 | T 23 |
| F 24 | 12 37 11 | 11°13'24 | 6♌18 | 19°20 | 23°35 | 12°34 | 18°45 | 14°25 | 19°15 | 8°34 | 9°31 | 18°41 | 17°47 | 1°28 | 8°19 | F 24 |
| S 25 | 12 41 8 | 12°12'13 | 20°31 | 19°28 | 24°43 | 13°10 | 18°49 | 14°30 | 19°13 | 8°36 | 9°32 | 18°43 | 17°44 | 1°34 | 8°22 | S 25 |
| S 26 | 12 45 4 | 13°11'00 | 5♍ 8 | 19°41 | 25°50 | 13°46 | 18°52 | 14°35 | 19°12 | 8°38 | 9°33 | 18°44 | 17°41 | 1°41 | 8°24 | S 26 |
| M27 | 12 49 1 | 14° 9'45 | 20° 4 | 19°59 | 26°57 | 14°22 | 18°56 | 14°39 | 19°11 | 8°40 | 9°35 | 18°R44 | 17°38 | 1°47 | 8°27 | M27 |
| T 28 | 12 52 57 | 15° 8'27 | 5♎13 | 20°22 | 28° 4 | 14°58 | 19° 0 | 14°44 | 19°10 | 8°43 | 9°36 | 18°44 | 17°35 | 1°54 | 8°29 | T 28 |
| W29 | 12 56 54 | 16° 7'07 | 20°26 | 20°49 | 29°11 | 15°34 | 19° 4 | 14°49 | 19° 9 | 8°45 | 9°37 | 18°42 | 17°31 | 2° 1 | 8°32 | W29 |
| T 30 | 13 0 51 | 17° 5'46 | 5♏32 | 21°20 | 0♊18 | 16°10 | 19° 8 | 14°53 | 19° 8 | 8°47 | 9°38 | 18°38 | 17°28 | 2° 7 | 8°34 | T 30 |
| F 31 | 13 4 47 | 18♈ 4'23 | 20♏23 | 21♓56 | 1♊24 | 16♊46 | 19♋12 | 14♒58 | 19♌ 7 | 8♈49 | 9♉40 | 18♓34 | 17♓25 | 2♈14 | 8♒36 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s34 | 6s49 | 2s 7 | 3n49 | 3n24 | 10n59 | 0n34 | 21n21 | 1n23 | 22n51 | 0n36 | 17s59 | 0s49 | 15n37 | 0n46 | 1n37 | 1s35 | 0n17 | 15s 3 | 4s26 | 4s22 | 0n23 | 12s18 | 6n29 |
| T 2 | 4 10 | 13 37 | 3 18 | 3 47 | 3 29 | 11 28 | 0 38 | 21 28 | 1 24 | 22 52 | 0 36 | 17 57 | 0 50 | 15 37 | 0 46 | 1 38 | 1 35 | 0 18 | 15 3 | 4 26 | 4 23 | 0 26 | 12 17 | 6 29 |
| F 3 | 3 47 | 19 30 | 4 14 | 3 42 | 3 32 | 11 56 | 0 42 | 21 36 | 1 24 | 22 52 | 0 36 | 17 55 | 0 50 | 15 38 | 0 46 | 1 38 | 1 35 | 0 18 | 15 3 | 4 26 | 4 24 | 0 30 | 12 16 | 6 29 |
| S 4 | 3 23 | 24 7 | 4 53 | 3 32 | 3 34 | 12 25 | 0 45 | 21 44 | 1 24 | 22 52 | 0 36 | 17 54 | 0 50 | 15 39 | 0 46 | 1 39 | 1 35 | 0 19 | 15 2 | 4 26 | 4 26 | 0 33 | 12 14 | 6 29 |
| S 5 | 3 0 | 27 12 | 5 14 | 3 18 | 3 34 | 12 53 | 0 49 | 21 51 | 1 24 | 22 52 | 0 36 | 17 52 | 0 50 | 15 39 | 0 46 | 1 40 | 1 35 | 0 19 | 15 2 | 4 26 | 4 27 | 0 37 | 12 13 | 6 30 |
| M 6 | 2 36 | 28 38 | 5 17 | 3 0 | 3 32 | 13 21 | 0 53 | 21 59 | 1 24 | 22 52 | 0 36 | 17 50 | 0 50 | 15 40 | 0 46 | 1 41 | 1 35 | 0 20 | 15 2 | 4 26 | 4 28 | 0 40 | 12 12 | 6 30 |
| T 7 | 2 12 | 28 25 | 5 3 | 2 39 | 3 28 | 13 48 | 0 56 | 22 6 | 1 24 | 22 52 | 0 36 | 17 49 | 0 50 | 15 41 | 0 46 | 1 42 | 1 35 | 0 20 | 15 2 | 4 26 | 4 29 | 0 43 | 12 11 | 6 30 |
| W 8 | 1 49 | 26 41 | 4 35 | 2 15 | 3 23 | 14 15 | 1 0 | 22 13 | 1 24 | 22 52 | 0 36 | 17 47 | 0 50 | 15 41 | 0 46 | 1 43 | 1 35 | 0 21 | 15 1 | 4 26 | 4 31 | 0 47 | 12 10 | 6 31 |
| T 9 | 1 25 | 23 42 | 3 54 | 1 48 | 3 15 | 14 42 | 1 4 | 22 20 | 1 24 | 22 52 | 0 36 | 17 46 | 0 50 | 15 42 | 0 46 | 1 44 | 1 35 | 0 21 | 15 1 | 4 25 | 4 32 | 0 50 | 12 9 | 6 31 |
| F 10 | 1 1 | 19 43 | 3 4 | 1 19 | 3 6 | 15 9 | 1 8 | 22 27 | 1 25 | 22 52 | 0 36 | 17 44 | 0 51 | 15 42 | 0 46 | 1 45 | 1 35 | 0 22 | 15 1 | 4 25 | 4 33 | 0 54 | 12 8 | 6 31 |
| S 11 | 0 38 | 14 59 | 2 6 | 0 49 | 2 56 | 15 35 | 1 11 | 22 33 | 1 25 | 22 52 | 0 36 | 17 43 | 0 51 | 15 43 | 0 46 | 1 45 | 1 35 | 0 22 | 15 1 | 4 25 | 4 34 | 0 57 | 12 6 | 6 31 |
| S 12 | 0 14 | 9 45 | 1 3 | 0 18 | 2 44 | 16 1 | 1 15 | 22 40 | 1 25 | 22 52 | 0 36 | 17 41 | 0 51 | 15 44 | 0 46 | 1 46 | 1 35 | 0 23 | 15 1 | 4 24 | 4 36 | 1 1 | 12 5 | 6 32 |
| M13 | 0n10 | 4 12 | 0n 2 | 0s14 | 2 31 | 16 26 | 1 19 | 22 46 | 1 25 | 22 51 | 0 36 | 17 40 | 0 51 | 15 44 | 0 46 | 1 47 | 1 35 | 0 23 | 15 0 | 4 24 | 4 37 | 1 4 | 12 4 | 6 32 |
| T 14 | 0 33 | 1n28 | 1 7 | 0 45 | 2 17 | 16 51 | 1 23 | 22 53 | 1 25 | 22 51 | 0 36 | 17 38 | 0 51 | 15 45 | 0 45 | 1 48 | 1 35 | 0 24 | 15 0 | 4 24 | 4 38 | 1 8 | 12 3 | 6 32 |
| W15 | 0 57 | 7 6 | 2 9 | 1 16 | 2 2 | 17 16 | 1 26 | 22 59 | 1 25 | 22 51 | 0 36 | 17 37 | 0 51 | 15 45 | 0 45 | 1 49 | 1 35 | 0 24 | 15 0 | 4 25 | 4 39 | 1 11 | 12 2 | 6 33 |
| T 16 | 1 20 | 12 30 | 3 6 | 1 45 | 1 47 | 17 40 | 1 30 | 23 5 | 1 25 | 22 51 | 0 36 | 17 35 | 0 51 | 15 46 | 0 45 | 1 50 | 1 35 | 0 25 | 15 0 | 4 26 | 4 41 | 1 14 | 12 1 | 6 33 |
| F 17 | 1 44 | 17 29 | 3 55 | 2 13 | 1 31 | 18 4 | 1 34 | 23 11 | 1 25 | 22 51 | 0 36 | 17 34 | 0 51 | 15 46 | 0 45 | 1 51 | 1 35 | 0 26 | 14 59 | 4 26 | 4 42 | 1 18 | 12 0 | 6 33 |
| S 18 | 2 7 | 21 50 | 4 34 | 2 40 | 1 15 | 18 28 | 1 37 | 23 16 | 1 25 | 22 50 | 0 36 | 17 32 | 0 52 | 15 47 | 0 45 | 1 52 | 1 35 | 0 26 | 14 59 | 4 27 | 4 43 | 1 21 | 11 59 | 6 34 |
| S 19 | 2 31 | 25 19 | 5 1 | 3 4 | 0 59 | 18 51 | 1 41 | 23 22 | 1 25 | 22 50 | 0 36 | 17 31 | 0 52 | 15 47 | 0 45 | 1 53 | 1 35 | 0 27 | 14 59 | 4 28 | 4 44 | 1 25 | 11 58 | 6 34 |
| M20 | 2 54 | 27 41 | 5 14 | 3 26 | 0 44 | 19 13 | 1 44 | 23 27 | 1 25 | 22 50 | 0 36 | 17 29 | 0 52 | 15 48 | 0 45 | 1 54 | 1 35 | 0 27 | 14 59 | 4 29 | 4 46 | 1 28 | 11 57 | 6 34 |
| T 21 | 3 18 | 28 41 | 5 13 | 3 45 | 0 28 | 19 35 | 1 48 | 23 33 | 1 25 | 22 49 | 0 36 | 17 28 | 0 52 | 15 48 | 0 45 | 1 54 | 1 35 | 0 28 | 14 59 | 4 30 | 4 47 | 1 32 | 11 56 | 6 35 |
| W22 | 3 41 | 28 8 | 4 56 | 4 3 | 0 13 | 19 57 | 1 51 | 23 38 | 1 25 | 22 49 | 0 36 | 17 27 | 0 52 | 15 48 | 0 45 | 1 55 | 1 35 | 0 28 | 14 59 | 4 30 | 4 48 | 1 35 | 11 54 | 6 35 |
| T 23 | 4 4 | 25 57 | 4 22 | 4 17 | 0s 2 | 20 18 | 1 55 | 23 43 | 1 25 | 22 48 | 0 36 | 17 25 | 0 52 | 15 49 | 0 45 | 1 56 | 1 35 | 0 29 | 14 58 | 4 30 | 4 49 | 1 39 | 11 53 | 6 35 |
| F 24 | 4 27 | 22 12 | 3 33 | 4 30 | 0 17 | 20 39 | 1 58 | 23 47 | 1 25 | 22 48 | 0 36 | 17 24 | 0 52 | 15 49 | 0 45 | 1 57 | 1 35 | 0 29 | 14 58 | 4 29 | 4 51 | 1 42 | 11 52 | 6 36 |
| S 25 | 4 50 | 17 3 | 2 29 | 4 39 | 0 31 | 20 59 | 2 2 | 23 52 | 1 25 | 22 47 | 0 36 | 17 23 | 0 53 | 15 50 | 0 45 | 1 58 | 1 35 | 0 30 | 14 58 | 4 29 | 4 52 | 1 45 | 11 51 | 6 36 |
| S 26 | 5 13 | 10 49 | 1 14 | 4 46 | 0 44 | 21 19 | 2 5 | 23 57 | 1 25 | 22 47 | 0 36 | 17 21 | 0 53 | 15 50 | 0 45 | 1 59 | 1 35 | 0 30 | 14 58 | 4 28 | 4 53 | 1 49 | 11 50 | 6 37 |
| M27 | 5 36 | 3 50 | 0s 7 | 4 51 | 0 57 | 21 38 | 2 9 | 24 1 | 1 25 | 22 46 | 0 36 | 17 20 | 0 53 | 15 50 | 0 45 | 2 0 | 1 35 | 0 31 | 14 58 | 4 28 | 4 54 | 1 52 | 11 49 | 6 37 |
| T 28 | 5 59 | 3s27 | 1 29 | 4 53 | 1 9 | 21 56 | 2 12 | 24 5 | 1 25 | 22 46 | 0 36 | 17 19 | 0 53 | 15 51 | 0 45 | 2 1 | 1 35 | 0 31 | 14 58 | 4 28 | 4 56 | 1 56 | 11 48 | 6 37 |
| W29 | 6 22 | 10 33 | 2 45 | 4 53 | 1 20 | 22 15 | 2 15 | 24 9 | 1 25 | 22 45 | 0 36 | 17 18 | 0 53 | 15 51 | 0 45 | 2 1 | 1 35 | 0 32 | 14 57 | 4 29 | 4 57 | 1 59 | 11 47 | 6 38 |
| T 30 | 6 44 | 17 1 | 3 49 | 4 50 | 1 31 | 22 32 | 2 18 | 24 13 | 1 25 | 22 45 | 0 36 | 17 16 | 0 53 | 15 51 | 0 45 | 2 2 | 1 35 | 0 32 | 14 57 | 4 31 | 4 58 | 2 3 | 11 46 | 6 38 |
| F 31 | 7n 7 | 22s20 | 4s36 | 4s45 | 1s41 | 22n49 | 2n21 | 24n17 | 1n25 | 22n44 | 0n36 | 17s15 | 0s53 | 15n51 | 0n45 | 2n 3 | 1s35 | 0n33 | 14s57 | 4s32 | 4s59 | 2n 6 | 11s45 | 6n38 |

Julian Day Number = 2222970.5, Delta T = 08m33s
Ecliptic obliquity = 23°31'24, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'38, Lahiri = 15°07'38 Julian Calendar 1 March 1374 == Greg. Calendar 9 March 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## APRIL 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 8 44 | 19♈ 2'58 | 4♐52 | 22♓35 | 2♊30 | 17♊22 | 19♋17 | 15♒ 2 | 19°R 6 | 8♈52 | 9♉41 | 18°R30 | 17♓22 | 2♈21 | 8♒39 | S 1 |
| S 2 | 13 12 40 | 20° 1'31 | 18°53 | 23°19 | 3°36 | 17°58 | 19°22 | 15° 7 | 19♌ 5 | 8°54 | 9°42 | 18♓26 | 17°19 | 2°27 | 8°41 | S 2 |
| M 3 | 13 16 37 | 21° 0'02 | 2♑26 | 24° 5 | 4°42 | 18°34 | 19°26 | 15°11 | 19° 4 | 8°56 | 9°43 | 18°23 | 17°16 | 2°34 | 8°43 | M 3 |
| T 4 | 13 20 33 | 21°58'32 | 15°31 | 24°56 | 5°47 | 19°11 | 19°31 | 15°15 | 19° 3 | 8°58 | 9°45 | 18°22 | 17°12 | 2°41 | 8°45 | T 4 |
| W 5 | 13 24 30 | 22°57'01 | 28°12 | 25°49 | 6°52 | 19°47 | 19°37 | 15°19 | 19° 2 | 9° 1 | 9°46 | 18°D22 | 17° 9 | 2°47 | 8°47 | W 5 |
| T 6 | 13 28 26 | 23°55'27 | 10♒33 | 26°46 | 7°58 | 20°23 | 19°42 | 15°23 | 19° 2 | 9° 3 | 9°47 | 18°23 | 17° 6 | 2°54 | 8°49 | T 6 |
| F 7 | 13 32 23 | 24°53'52 | 22°38 | 27°45 | 9° 2 | 20°59 | 19°47 | 15°27 | 19° 1 | 9° 5 | 9°49 | 18°24 | 17° 3 | 3° 1 | 8°51 | F 7 |
| S 8 | 13 36 20 | 25°52'15 | 4♓32 | 28°47 | 10° 7 | 21°35 | 19°53 | 15°31 | 19° 1 | 9° 7 | 9°50 | 18°26 | 17° 0 | 3° 7 | 8°53 | S 8 |
| S 9 | 13 40 16 | 26°50'37 | 16°20 | 29°52 | 11°11 | 22°12 | 19°59 | 15°35 | 19° 0 | 9° 9 | 9°51 | 18°R27 | 16°56 | 3°14 | 8°54 | S 9 |
| M10 | 13 44 13 | 27°48'57 | 28° 7 | 1♈ 0 | 12°15 | 22°48 | 20° 5 | 15°39 | 19° 0 | 9°12 | 9°53 | 18°26 | 16°53 | 3°21 | 8°56 | M10 |
| T 11 | 13 48 9 | 28°47'15 | 9♈54 | 2°10 | 13°19 | 23°24 | 20°11 | 15°42 | 18°59 | 9°14 | 9°54 | 18°24 | 16°50 | 3°27 | 8°58 | T 11 |
| W12 | 13 52 6 | 29°45'31 | 21°45 | 3°23 | 14°23 | 24° 1 | 20°17 | 15°46 | 18°59 | 9°16 | 9°55 | 18°20 | 16°47 | 3°34 | 8°59 | W12 |
| T 13 | 13 56 2 | 0♉43'46 | 3♉42 | 4°38 | 15°26 | 24°37 | 20°23 | 15°49 | 18°58 | 9°18 | 9°57 | 18°14 | 16°44 | 3°41 | 9° 1 | T 13 |
| F 14 | 13 59 59 | 1°41'59 | 15°48 | 5°55 | 16°29 | 25°13 | 20°30 | 15°53 | 18°58 | 9°20 | 9°58 | 18° 6 | 16°41 | 3°47 | 9° 2 | F 14 |
| S 15 | 14 3 55 | 2°40'10 | 28° 2 | 7°15 | 17°31 | 25°50 | 20°37 | 15°56 | 18°58 | 9°22 | 9°59 | 17°58 | 16°37 | 3°54 | 9° 4 | S 15 |
| S 16 | 14 7 52 | 3°38'20 | 10♊27 | 8°37 | 18°34 | 26°26 | 20°43 | 15°59 | 18°58 | 9°24 | 10° 1 | 17°50 | 16°34 | 4° 0 | 9° 5 | S 16 |
| M17 | 14 11 49 | 4°36'27 | 23° 3 | 10° 1 | 19°36 | 27° 3 | 20°50 | 16° 2 | 18°58 | 9°27 | 10° 2 | 17°43 | 16°31 | 4° 7 | 9° 6 | M17 |
| T 18 | 14 15 45 | 5°34'33 | 5♋53 | 11°27 | 20°38 | 27°39 | 20°58 | 16° 6 | 18°D58 | 9°29 | 10° 3 | 17°37 | 16°28 | 4°14 | 9° 8 | T 18 |
| W19 | 14 19 42 | 6°32'36 | 18°58 | 12°55 | 21°39 | 28°15 | 21° 5 | 16° 8 | 18°58 | 9°31 | 10° 5 | 17°34 | 16°25 | 4°20 | 9° 9 | W19 |
| T 20 | 14 23 38 | 7°30'38 | 2♌19 | 14°25 | 22°40 | 28°52 | 21°12 | 16°11 | 18°58 | 9°33 | 10° 6 | 17°D32 | 16°22 | 4°27 | 9°10 | T 20 |
| F 21 | 14 27 35 | 8°28'38 | 16° 0 | 15°57 | 23°41 | 29°28 | 21°20 | 16°14 | 18°58 | 9°35 | 10° 7 | 17°32 | 16°18 | 4°34 | 9°11 | F 21 |
| S 22 | 14 31 31 | 9°26'36 | 29°59 | 17°32 | 24°41 | 0♋ 5 | 21°27 | 16°17 | 18°58 | 9°37 | 10° 9 | 17°33 | 16°15 | 4°40 | 9°12 | S 22 |
| S 23 | 14 35 28 | 10°24'31 | 14♍20 | 19° 8 | 25°41 | 0°41 | 21°35 | 16°19 | 18°58 | 9°39 | 10°10 | 17°R34 | 16°12 | 4°47 | 9°13 | S 23 |
| M24 | 14 39 24 | 11°22'25 | 28°57 | 20°46 | 26°41 | 1°18 | 21°43 | 16°22 | 18°59 | 9°41 | 10°12 | 17°33 | 16° 9 | 4°54 | 9°14 | M24 |
| T 25 | 14 43 21 | 12°20'18 | 13♎49 | 22°27 | 27°40 | 1°54 | 21°51 | 16°24 | 18°59 | 9°43 | 10°13 | 17°31 | 16° 6 | 5° 0 | 9°14 | T 25 |
| W26 | 14 47 18 | 13°18'08 | 28°48 | 24° 9 | 28°39 | 2°31 | 21°59 | 16°27 | 18°59 | 9°45 | 10°14 | 17°26 | 16° 2 | 5° 7 | 9°15 | W26 |
| T 27 | 14 51 14 | 14°15'57 | 13♏46 | 25°53 | 29°37 | 3° 7 | 22° 7 | 16°29 | 19° 0 | 9°47 | 10°16 | 17°19 | 15°59 | 5°14 | 9°16 | T 27 |
| F 28 | 14 55 11 | 15°13'44 | 28°34 | 27°40 | 0♋35 | 3°44 | 22°16 | 16°31 | 19° 0 | 9°49 | 10°17 | 17°11 | 15°56 | 5°20 | 9°16 | F 28 |
| S 29 | 14 59 7 | 16°11'31 | 13♐ 3 | 29°28 | 1°32 | 4°20 | 22°24 | 16°33 | 19° 1 | 9°51 | 10°18 | 17° 2 | 15°53 | 5°27 | 9°17 | S 29 |
| S 30 | 15 3 4 | 17♉ 9'16 | 27♐ 8 | 1♉19 | 2♋29 | 4♋57 | 22♋33 | 16♒35 | 19♌ 1 | 9♈53 | 10♉20 | 16♓53 | 15♓50 | 5♈34 | 9♒17 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n29 | 26s10 | 5s 4 | 4s38 | 1s50 | 23n 6 | 2n24 | 24n20 | 1n25 | 22n43 | 0n36 | 17s14 | 0s54 | 15n52 | 0n45 | 2n 4 | 1s35 | 0n33 | 14s57 | 4s34 | 5s 1 | 2n10 | 11s45 | 6n39 |
| S 2 | 7 51 | 28 15 | 5 13 | 4 29 | 1 59 | 23 21 | 2 27 | 24 23 | 1 25 | 22 43 | 0 36 | 17 13 | 0 54 | 15 52 | 0 45 | 2 5 | 1 35 | 0 34 | 14 57 | 4 35 | 5 2 | 2 13 | 11 44 | 6 39 |
| M 3 | 8 13 | 28 34 | 5 4 | 4 18 | 2 7 | 23 37 | 2 30 | 24 27 | 1 25 | 22 42 | 0 36 | 17 12 | 0 54 | 15 52 | 0 45 | 2 6 | 1 35 | 0 34 | 14 57 | 4 36 | 5 3 | 2 16 | 11 43 | 6 40 |
| T 4 | 8 35 | 27 14 | 4 39 | 4 4 | 2 14 | 23 52 | 2 33 | 24 30 | 1 25 | 22 41 | 0 36 | 17 11 | 0 54 | 15 52 | 0 45 | 2 7 | 1 35 | 0 35 | 14 57 | 4 37 | 5 4 | 2 20 | 11 42 | 6 40 |
| W 5 | 8 57 | 24 31 | 4 1 | 3 49 | 2 21 | 24 6 | 2 36 | 24 33 | 1 25 | 22 41 | 0 36 | 17 10 | 0 54 | 15 53 | 0 45 | 2 8 | 1 35 | 0 35 | 14 56 | 4 37 | 5 5 | 2 23 | 11 41 | 6 40 |
| T 6 | 9 19 | 20 44 | 3 12 | 3 32 | 2 27 | 24 19 | 2 39 | 24 35 | 1 25 | 22 40 | 0 36 | 17 9 | 0 54 | 15 53 | 0 45 | 2 8 | 1 35 | 0 36 | 14 56 | 4 37 | 5 7 | 2 27 | 11 40 | 6 41 |
| F 7 | 9 40 | 16 10 | 2 16 | 3 13 | 2 32 | 24 32 | 2 41 | 24 38 | 1 25 | 22 39 | 0 36 | 17 8 | 0 54 | 15 53 | 0 45 | 2 9 | 1 35 | 0 36 | 14 56 | 4 36 | 5 8 | 2 30 | 11 39 | 6 41 |
| S 8 | 10 2 | 11 3 | 1 15 | 2 52 | 2 37 | 24 45 | 2 44 | 24 40 | 1 25 | 22 38 | 0 36 | 17 7 | 0 55 | 15 53 | 0 45 | 2 10 | 1 35 | 0 37 | 14 56 | 4 35 | 5 9 | 2 34 | 11 38 | 6 42 |
| S 9 | 10 23 | 5 35 | 0 11 | 2 30 | 2 41 | 24 57 | 2 46 | 24 42 | 1 25 | 22 37 | 0 36 | 17 6 | 0 55 | 15 53 | 0 45 | 2 11 | 1 35 | 0 37 | 14 56 | 4 35 | 5 10 | 2 37 | 11 37 | 6 42 |
| M10 | 10 44 | 0n 3 | 0n52 | 2 6 | 2 44 | 25 8 | 2 49 | 24 44 | 1 25 | 22 36 | 0 36 | 17 5 | 0 55 | 15 53 | 0 45 | 2 12 | 1 35 | 0 38 | 14 56 | 4 35 | 5 12 | 2 40 | 11 37 | 6 42 |
| T 11 | 11 5 | 5 41 | 1 54 | 1 41 | 2 47 | 25 18 | 2 51 | 24 46 | 1 25 | 22 36 | 0 36 | 17 4 | 0 55 | 15 53 | 0 45 | 2 13 | 1 35 | 0 38 | 14 56 | 4 36 | 5 13 | 2 44 | 11 36 | 6 43 |
| W12 | 11 26 | 11 9 | 2 51 | 1 14 | 2 49 | 25 28 | 2 53 | 24 48 | 1 25 | 22 35 | 0 36 | 17 3 | 0 55 | 15 54 | 0 45 | 2 13 | 1 35 | 0 39 | 14 56 | 4 38 | 5 14 | 2 47 | 11 35 | 6 43 |
| T 13 | 11 46 | 16 15 | 3 41 | 0 45 | 2 50 | 25 38 | 2 56 | 24 50 | 1 25 | 22 34 | 0 36 | 17 2 | 0 55 | 15 54 | 0 45 | 2 14 | 1 35 | 0 39 | 14 56 | 4 40 | 5 15 | 2 51 | 11 34 | 6 44 |
| F 14 | 12 6 | 20 47 | 4 21 | 0 16 | 2 51 | 25 47 | 2 58 | 24 51 | 1 25 | 22 33 | 0 36 | 17 1 | 0 56 | 15 54 | 0 45 | 2 15 | 1 35 | 0 40 | 14 56 | 4 43 | 5 17 | 2 54 | 11 33 | 6 44 |
| S 15 | 12 26 | 24 30 | 4 50 | 0n16 | 2 51 | 25 55 | 3 0 | 24 52 | 1 25 | 22 32 | 0 36 | 17 0 | 0 56 | 15 54 | 0 44 | 2 16 | 1 35 | 0 40 | 14 56 | 4 46 | 5 18 | 2 58 | 11 33 | 6 45 |
| S 16 | 12 46 | 27 8 | 5 5 | 0 48 | 2 51 | 26 2 | 3 1 | 24 53 | 1 25 | 22 31 | 0 36 | 16 59 | 0 56 | 15 54 | 0 44 | 2 17 | 1 35 | 0 41 | 14 56 | 4 50 | 5 19 | 3 1 | 11 32 | 6 45 |
| M17 | 13 6 | 28 27 | 5 7 | 1 22 | 2 50 | 26 9 | 3 3 | 24 54 | 1 25 | 22 30 | 0 36 | 16 59 | 0 56 | 15 54 | 0 44 | 2 18 | 1 35 | 0 41 | 14 55 | 4 52 | 5 20 | 3 4 | 11 31 | 6 45 |
| T 18 | 13 26 | 28 16 | 4 53 | 1 57 | 2 49 | 26 16 | 3 5 | 24 55 | 1 24 | 22 28 | 0 36 | 16 58 | 0 56 | 15 54 | 0 44 | 2 18 | 1 35 | 0 41 | 14 55 | 4 55 | 5 22 | 3 8 | 11 30 | 6 46 |
| W19 | 13 45 | 26 31 | 4 23 | 2 33 | 2 47 | 26 21 | 3 6 | 24 55 | 1 24 | 22 27 | 0 36 | 16 57 | 0 56 | 15 54 | 0 44 | 2 19 | 1 35 | 0 42 | 14 55 | 4 56 | 5 23 | 3 11 | 11 30 | 6 46 |
| T 20 | 14 4 | 23 16 | 3 39 | 3 11 | 2 44 | 26 27 | 3 8 | 24 55 | 1 24 | 22 26 | 0 36 | 16 56 | 0 57 | 15 54 | 0 44 | 2 20 | 1 35 | 0 42 | 14 55 | 4 57 | 5 24 | 3 15 | 11 29 | 6 47 |
| F 21 | 14 23 | 18 40 | 2 42 | 3 49 | 2 41 | 26 31 | 3 9 | 24 56 | 1 24 | 22 25 | 0 36 | 16 56 | 0 57 | 15 53 | 0 44 | 2 21 | 1 36 | 0 43 | 14 55 | 4 56 | 5 25 | 3 18 | 11 28 | 6 47 |
| S 22 | 14 41 | 12 58 | 1 33 | 4 29 | 2 37 | 26 35 | 3 10 | 24 55 | 1 24 | 22 24 | 0 36 | 16 55 | 0 57 | 15 53 | 0 44 | 2 21 | 1 36 | 0 43 | 14 55 | 4 56 | 5 27 | 3 22 | 11 28 | 6 48 |
| S 23 | 15 0 | 6 27 | 0 17 | 5 9 | 2 33 | 26 38 | 3 11 | 24 55 | 1 24 | 22 23 | 0 36 | 16 54 | 0 57 | 15 53 | 0 44 | 2 22 | 1 36 | 0 44 | 14 55 | 4 56 | 5 28 | 3 25 | 11 27 | 6 48 |
| M24 | 15 18 | 0s31 | 1s 1 | 5 51 | 2 28 | 26 41 | 3 12 | 24 55 | 1 24 | 22 21 | 0 36 | 16 54 | 0 57 | 15 53 | 0 44 | 2 23 | 1 36 | 0 44 | 14 55 | 4 56 | 5 29 | 3 28 | 11 26 | 6 49 |
| T 25 | 15 36 | 7 34 | 2 16 | 6 33 | 2 23 | 26 43 | 3 13 | 24 54 | 1 24 | 22 20 | 0 36 | 16 53 | 0 57 | 15 53 | 0 44 | 2 24 | 1 36 | 0 44 | 14 55 | 4 57 | 5 30 | 3 32 | 11 26 | 6 49 |
| W26 | 15 53 | 14 14 | 3 23 | 7 16 | 2 17 | 26 44 | 3 13 | 24 54 | 1 24 | 22 19 | 0 36 | 16 53 | 0 58 | 15 53 | 0 44 | 2 25 | 1 36 | 0 45 | 14 55 | 4 59 | 5 31 | 3 35 | 11 25 | 6 49 |
| T 27 | 16 11 | 20 4 | 4 15 | 8 0 | 2 11 | 26 45 | 3 14 | 24 53 | 1 24 | 22 17 | 0 36 | 16 52 | 0 58 | 15 53 | 0 44 | 2 25 | 1 36 | 0 45 | 14 55 | 5 2 | 5 33 | 3 39 | 11 24 | 6 50 |
| F 28 | 16 28 | 24 36 | 4 49 | 8 45 | 2 4 | 26 46 | 3 14 | 24 52 | 1 24 | 22 16 | 0 36 | 16 52 | 0 58 | 15 52 | 0 44 | 2 26 | 1 36 | 0 46 | 14 55 | 5 5 | 5 34 | 3 42 | 11 24 | 6 50 |
| S 29 | 16 44 | 27 28 | 5 4 | 9 30 | 1 56 | 26 45 | 3 15 | 24 50 | 1 23 | 22 15 | 0 36 | 16 51 | 0 58 | 15 52 | 0 44 | 2 27 | 1 36 | 0 46 | 14 55 | 5 8 | 5 35 | 3 45 | 11 23 | 6 51 |
| S 30 | 17n 1 | 28s30 | 5s 0 | 10n16 | 1s49 | 26n45 | 3n15 | 24n49 | 1n23 | 22n13 | 0n36 | 16s51 | 0s58 | 15n52 | 0n44 | 2n27 | 1s36 | 0n46 | 14s55 | 5s12 | 5s36 | 3n49 | 11s23 | 6n51 |

Julian Day Number = 2223001.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'42, Lahiri = 15°07'43 Julian Calendar 1 Apr. 1374 == Greg. Calendar 9 Apr. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## MAY 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 7 0 | 18♉ 6'59 | 10♋46 | 3♉11 | 3♋26 | 5♋34 | 22♋41 | 16♒37 | 19♌ 2 | 9♈54 | 10♉21 | 16°R46 | 15♓47 | 5♈40 | 9♒17 | M 1 |
| T 2 | 15 10 57 | 19° 4'42 | 23°56 | 5° 6 | 4°21 | 6°10 | 22°50 | 16°39 | 19° 3 | 9°56 | 10°22 | 16♓41 | 15°43 | 5°47 | 9°18 | T 2 |
| W 3 | 15 14 53 | 20° 2'23 | 6♒40 | 7° 2 | 5°17 | 6°47 | 22°59 | 16°40 | 19° 3 | 9°58 | 10°24 | 16°38 | 15°40 | 5°54 | 9°18 | W 3 |
| T 4 | 15 18 50 | 21° 0'04 | 19° 2 | 9° 0 | 6°12 | 7°23 | 23° 8 | 16°42 | 19° 4 | 10° 0 | 10°25 | 16°D37 | 15°37 | 6° 0 | 9°18 | T 4 |
| F 5 | 15 22 47 | 21°57'43 | 1♓ 8 | 11° 1 | 7° 6 | 8° 0 | 23°17 | 16°43 | 19° 5 | 10° 2 | 10°26 | 16°37 | 15°34 | 6° 7 | 9°18 | F 5 |
| S 6 | 15 26 43 | 22°55'21 | 13° 2 | 13° 3 | 8° 0 | 8°37 | 23°27 | 16°45 | 19° 6 | 10° 4 | 10°28 | 16°R38 | 15°31 | 6°14 | 9°R18 | S 6 |
| S 7 | 15 30 40 | 23°52'58 | 24°50 | 15° 7 | 8°53 | 9°13 | 23°36 | 16°46 | 19° 7 | 10° 5 | 10°29 | 16°38 | 15°28 | 6°20 | 9°18 | S 7 |
| M 8 | 15 34 36 | 24°50'34 | 6♈37 | 17°12 | 9°46 | 9°50 | 23°45 | 16°47 | 19° 8 | 10° 7 | 10°30 | 16°36 | 15°24 | 6°27 | 9°18 | M 8 |
| T 9 | 15 38 33 | 25°48'09 | 18°27 | 19°19 | 10°38 | 10°27 | 23°55 | 16°48 | 19° 9 | 10° 9 | 10°32 | 16°31 | 15°21 | 6°34 | 9°18 | T 9 |
| W10 | 15 42 29 | 26°45'43 | 0♉24 | 21°28 | 11°29 | 11° 3 | 24° 5 | 16°49 | 19°10 | 10°10 | 10°33 | 16°24 | 15°18 | 6°40 | 9°18 | W10 |
| T 11 | 15 46 26 | 27°43'16 | 12°30 | 23°37 | 12°20 | 11°40 | 24°14 | 16°50 | 19°11 | 10°12 | 10°34 | 16°15 | 15°15 | 6°47 | 9°17 | T 11 |
| F 12 | 15 50 22 | 28°40'48 | 24°47 | 25°48 | 13°10 | 12°17 | 24°24 | 16°51 | 19°13 | 10°14 | 10°36 | 16° 4 | 15°12 | 6°53 | 9°17 | F 12 |
| S 13 | 15 54 19 | 29°38'19 | 7♊17 | 27°59 | 13°59 | 12°54 | 24°34 | 16°52 | 19°14 | 10°15 | 10°37 | 15°51 | 15° 8 | 7° 0 | 9°17 | S 13 |
| S 14 | 15 58 16 | 0♊35'49 | 19°59 | 0♊11 | 14°48 | 13°30 | 24°44 | 16°52 | 19°15 | 10°17 | 10°38 | 15°39 | 15° 5 | 7° 7 | 9°16 | S 14 |
| M15 | 16 2 12 | 1°33'18 | 2♋53 | 2°23 | 15°35 | 14° 7 | 24°54 | 16°53 | 19°17 | 10°19 | 10°39 | 15°28 | 15° 2 | 7°13 | 9°16 | M15 |
| T 16 | 16 6 9 | 2°30'46 | 15°59 | 4°35 | 16°22 | 14°44 | 25° 5 | 16°53 | 19°18 | 10°20 | 10°41 | 15°19 | 14°59 | 7°20 | 9°15 | T 16 |
| W17 | 16 10 5 | 3°28'12 | 29°17 | 6°46 | 17° 8 | 15°21 | 25°15 | 16°53 | 19°20 | 10°22 | 10°42 | 15°12 | 14°56 | 7°27 | 9°14 | W17 |
| T 18 | 16 14 2 | 4°25'38 | 12♌46 | 8°57 | 17°53 | 15°58 | 25°25 | 16°54 | 19°21 | 10°23 | 10°43 | 15° 9 | 14°53 | 7°33 | 9°14 | T 18 |
| F 19 | 16 17 58 | 5°23'02 | 26°28 | 11° 8 | 18°38 | 16°34 | 25°36 | 16°R54 | 19°23 | 10°25 | 10°45 | 15° 7 | 14°49 | 7°40 | 9°13 | F 19 |
| S 20 | 16 21 55 | 6°20'24 | 10♍23 | 13°17 | 19°21 | 17°11 | 25°46 | 16°54 | 19°24 | 10°26 | 10°46 | 15° 7 | 14°46 | 7°47 | 9°12 | S 20 |
| S 21 | 16 25 51 | 7°17'46 | 24°31 | 15°24 | 20° 3 | 17°48 | 25°57 | 16°54 | 19°26 | 10°28 | 10°47 | 15° 7 | 14°43 | 7°53 | 9°11 | S 21 |
| M22 | 16 29 48 | 8°15'06 | 8♎51 | 17°31 | 20°45 | 18°25 | 26° 8 | 16°53 | 19°28 | 10°29 | 10°48 | 15° 6 | 14°40 | 8° 0 | 9°10 | M22 |
| T 23 | 16 33 45 | 9°12'26 | 23°22 | 19°35 | 21°25 | 19° 2 | 26°19 | 16°53 | 19°29 | 10°30 | 10°49 | 15° 2 | 14°37 | 8° 7 | 9° 9 | T 23 |
| W24 | 16 37 41 | 10° 9'44 | 7♏58 | 21°38 | 22° 4 | 19°39 | 26°29 | 16°53 | 19°31 | 10°32 | 10°51 | 14°56 | 14°33 | 8°13 | 9° 8 | W24 |
| T 25 | 16 41 38 | 11° 7'02 | 22°35 | 23°39 | 22°42 | 20°16 | 26°40 | 16°52 | 19°33 | 10°33 | 10°52 | 14°47 | 14°30 | 8°20 | 9° 7 | T 25 |
| F 26 | 16 45 34 | 12° 4'18 | 7♐ 4 | 25°37 | 23°19 | 20°53 | 26°51 | 16°52 | 19°35 | 10°34 | 10°53 | 14°36 | 14°27 | 8°27 | 9° 5 | F 26 |
| S 27 | 16 49 31 | 13° 1'34 | 21°20 | 27°34 | 23°54 | 21°29 | 27° 3 | 16°51 | 19°37 | 10°36 | 10°54 | 14°25 | 14°24 | 8°33 | 9° 4 | S 27 |
| S 28 | 16 53 27 | 13°58'50 | 5♑16 | 29°28 | 24°29 | 22° 6 | 27°14 | 16°50 | 19°39 | 10°37 | 10°55 | 14°13 | 14°21 | 8°40 | 9° 3 | S 28 |
| M29 | 16 57 24 | 14°56'05 | 18°49 | 1♋20 | 25° 2 | 22°43 | 27°25 | 16°49 | 19°41 | 10°38 | 10°57 | 14° 4 | 14°18 | 8°47 | 9° 1 | M29 |
| T 30 | 17 1 20 | 15°53'20 | 1♒58 | 3° 9 | 25°33 | 23°20 | 27°36 | 16°48 | 19°43 | 10°39 | 10°58 | 13°57 | 14°14 | 8°53 | 9° 0 | T 30 |
| W31 | 17 5 17 | 16♊50'34 | 14♒42 | 4♋57 | 26♋ 3 | 23♋57 | 27♋48 | 16♒47 | 19♌45 | 10♈41 | 10♉59 | 13♓52 | 14♓11 | 9♈ 0 | 8♒58 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n17 | 27s43 | 4s39 | 11n 3 | 1s40 | 26n43 | 3n14 | 24n47 | 1n23 | 22n12 | 0n36 | 16s50 | 0s58 | 15n52 | 0n44 | 2n28 | 1s36 | 0n47 | 14s55 | 5s15 | 5s38 | 3n52 | 11s22 | 6n52 |
| T 2 | 17 33 | 25 23 | 4 3 | 11 49 | 1 32 | 26 41 | 3 14 | 24 46 | 1 23 | 22 10 | 0 36 | 16 50 | 0 59 | 15 52 | 0 44 | 2 29 | 1 36 | 0 47 | 14 55 | 5 17 | 5 39 | 3 56 | 11 22 | 6 52 |
| W 3 | 17 49 | 21 51 | 3 17 | 12 36 | 1 23 | 26 39 | 3 14 | 24 44 | 1 23 | 22 9 | 0 36 | 16 50 | 0 59 | 15 51 | 0 44 | 2 30 | 1 36 | 0 48 | 14 55 | 5 18 | 5 40 | 3 59 | 11 21 | 6 52 |
| T 4 | 18 4 | 17 25 | 2 22 | 13 23 | 1 13 | 26 36 | 3 13 | 24 42 | 1 23 | 22 7 | 0 36 | 16 49 | 0 59 | 15 51 | 0 44 | 2 30 | 1 36 | 0 48 | 14 55 | 5 18 | 5 41 | 4 2 | 11 21 | 6 53 |
| F 5 | 18 19 | 12 23 | 1 22 | 14 11 | 1 4 | 26 32 | 3 13 | 24 39 | 1 23 | 22 6 | 0 36 | 16 49 | 0 59 | 15 51 | 0 44 | 2 31 | 1 36 | 0 48 | 14 55 | 5 18 | 5 43 | 4 6 | 11 20 | 6 53 |
| S 6 | 18 34 | 6 59 | 0 19 | 14 57 | 0 54 | 26 28 | 3 12 | 24 37 | 1 23 | 22 4 | 0 36 | 16 49 | 0 59 | 15 50 | 0 44 | 2 32 | 1 36 | 0 49 | 14 55 | 5 18 | 5 44 | 4 9 | 11 20 | 6 54 |
| S 7 | 18 49 | 1 24 | 0n44 | 15 44 | 0 43 | 26 23 | 3 10 | 24 34 | 1 22 | 22 3 | 0 36 | 16 49 | 1 0 | 15 50 | 0 44 | 2 32 | 1 36 | 0 49 | 14 55 | 5 18 | 5 45 | 4 13 | 11 20 | 6 54 |
| M 8 | 19 3 | 4n14 | 1 44 | 16 30 | 0 33 | 26 18 | 3 9 | 24 31 | 1 22 | 22 1 | 0 36 | 16 48 | 1 0 | 15 50 | 0 44 | 2 33 | 1 36 | 0 49 | 14 55 | 5 19 | 5 46 | 4 16 | 11 19 | 6 55 |
| T 9 | 19 17 | 9 44 | 2 41 | 17 16 | 0 22 | 26 13 | 3 8 | 24 29 | 1 22 | 21 59 | 0 36 | 16 48 | 1 0 | 15 49 | 0 44 | 2 33 | 1 36 | 0 50 | 14 55 | 5 20 | 5 48 | 4 19 | 11 19 | 6 55 |
| W10 | 19 30 | 14 56 | 3 30 | 18 0 | 0 12 | 26 7 | 3 6 | 24 25 | 1 22 | 21 58 | 0 36 | 16 48 | 1 0 | 15 49 | 0 44 | 2 34 | 1 36 | 0 50 | 14 56 | 5 23 | 5 49 | 4 23 | 11 18 | 6 55 |
| T 11 | 19 43 | 19 38 | 4 11 | 18 43 | 0 1 | 26 0 | 3 4 | 24 22 | 1 22 | 21 56 | 0 36 | 16 48 | 1 0 | 15 49 | 0 44 | 2 35 | 1 36 | 0 50 | 14 56 | 5 27 | 5 50 | 4 26 | 11 18 | 6 56 |
| F 12 | 19 56 | 23 34 | 4 41 | 19 26 | 0n 9 | 25 53 | 3 2 | 24 19 | 1 22 | 21 54 | 0 36 | 16 48 | 1 0 | 15 48 | 0 43 | 2 35 | 1 36 | 0 51 | 14 56 | 5 31 | 5 51 | 4 30 | 11 18 | 6 56 |
| S 13 | 20 9 | 26 30 | 4 58 | 20 6 | 0 20 | 25 46 | 3 0 | 24 15 | 1 22 | 21 52 | 0 36 | 16 48 | 1 1 | 15 48 | 0 43 | 2 36 | 1 36 | 0 51 | 14 56 | 5 36 | 5 52 | 4 33 | 11 17 | 6 57 |
| S 14 | 20 21 | 28 8 | 5 0 | 20 45 | 0 30 | 25 38 | 2 57 | 24 11 | 1 21 | 21 51 | 0 36 | 16 48 | 1 1 | 15 47 | 0 43 | 2 37 | 1 36 | 0 51 | 14 56 | 5 41 | 5 54 | 4 36 | 11 17 | 6 57 |
| M15 | 20 33 | 28 17 | 4 48 | 21 22 | 0 40 | 25 30 | 2 55 | 24 7 | 1 21 | 21 49 | 0 36 | 16 48 | 1 1 | 15 47 | 0 43 | 2 37 | 1 36 | 0 52 | 14 56 | 5 45 | 5 55 | 4 40 | 11 17 | 6 58 |
| T 16 | 20 44 | 26 51 | 4 20 | 21 57 | 0 50 | 25 21 | 2 52 | 24 3 | 1 21 | 21 47 | 0 36 | 16 48 | 1 1 | 15 46 | 0 43 | 2 38 | 1 36 | 0 52 | 14 56 | 5 48 | 5 56 | 4 43 | 11 17 | 6 58 |
| W17 | 20 55 | 23 55 | 3 37 | 22 29 | 0 59 | 25 13 | 2 49 | 23 59 | 1 21 | 21 45 | 0 36 | 16 48 | 1 1 | 15 46 | 0 43 | 2 38 | 1 37 | 0 52 | 14 56 | 5 51 | 5 57 | 4 47 | 11 16 | 6 58 |
| T 18 | 21 6 | 19 38 | 2 42 | 22 59 | 1 8 | 25 3 | 2 45 | 23 54 | 1 21 | 21 43 | 0 36 | 16 48 | 1 1 | 15 45 | 0 43 | 2 39 | 1 37 | 0 52 | 14 56 | 5 52 | 5 59 | 4 50 | 11 16 | 6 59 |
| F 19 | 21 17 | 14 15 | 1 37 | 23 27 | 1 16 | 24 54 | 2 42 | 23 49 | 1 21 | 21 41 | 0 36 | 16 48 | 1 2 | 15 45 | 0 43 | 2 39 | 1 37 | 0 53 | 14 56 | 5 53 | 6 0 | 4 53 | 11 16 | 6 59 |
| S 20 | 21 27 | 8 5 | 0 25 | 23 51 | 1 24 | 24 43 | 2 38 | 23 45 | 1 20 | 21 39 | 0 36 | 16 49 | 1 2 | 15 44 | 0 43 | 2 40 | 1 37 | 0 53 | 14 56 | 5 53 | 6 1 | 4 57 | 11 16 | 7 0 |
| S 21 | 21 36 | 1 26 | 0s50 | 24 14 | 1 31 | 24 33 | 2 34 | 23 40 | 1 20 | 21 37 | 0 36 | 16 49 | 1 2 | 15 44 | 0 43 | 2 40 | 1 37 | 0 53 | 14 56 | 5 53 | 6 2 | 5 0 | 11 16 | 7 0 |
| M22 | 21 46 | 5s23 | 2 2 | 24 33 | 1 37 | 24 23 | 2 29 | 23 34 | 1 20 | 21 35 | 0 36 | 16 49 | 1 2 | 15 43 | 0 43 | 2 41 | 1 37 | 0 54 | 14 57 | 5 54 | 6 4 | 5 4 | 11 16 | 7 0 |
| T 23 | 21 54 | 12 0 | 3 7 | 24 49 | 1 43 | 24 12 | 2 25 | 23 29 | 1 20 | 21 33 | 0 36 | 16 49 | 1 2 | 15 42 | 0 43 | 2 41 | 1 37 | 0 54 | 14 57 | 5 55 | 6 5 | 5 7 | 11 15 | 7 1 |
| W24 | 22 3 | 18 0 | 4 1 | 25 3 | 1 48 | 24 1 | 2 20 | 23 24 | 1 20 | 21 31 | 0 36 | 16 50 | 1 3 | 15 42 | 0 43 | 2 42 | 1 37 | 0 54 | 14 57 | 5 57 | 6 6 | 5 10 | 11 15 | 7 1 |
| T 25 | 22 11 | 22 58 | 4 39 | 25 14 | 1 52 | 23 49 | 2 15 | 23 18 | 1 20 | 21 29 | 0 36 | 16 50 | 1 3 | 15 41 | 0 43 | 2 42 | 1 37 | 0 54 | 14 57 | 6 1 | 6 7 | 5 14 | 11 15 | 7 2 |
| F 26 | 22 19 | 26 28 | 4 58 | 25 23 | 1 56 | 23 37 | 2 9 | 23 12 | 1 19 | 21 27 | 0 36 | 16 50 | 1 3 | 15 41 | 0 43 | 2 43 | 1 37 | 0 54 | 14 57 | 6 5 | 6 8 | 5 17 | 11 15 | 7 2 |
| S 27 | 22 26 | 28 12 | 4 58 | 25 29 | 1 59 | 23 26 | 2 4 | 23 6 | 1 19 | 21 25 | 0 36 | 16 51 | 1 3 | 15 40 | 0 43 | 2 43 | 1 37 | 0 55 | 14 57 | 6 9 | 6 10 | 5 21 | 11 15 | 7 2 |
| S 28 | 22 33 | 28 6 | 4 41 | 25 32 | 2 1 | 23 14 | 1 58 | 23 0 | 1 19 | 21 23 | 0 36 | 16 51 | 1 3 | 15 39 | 0 43 | 2 44 | 1 37 | 0 55 | 14 57 | 6 14 | 6 11 | 5 24 | 11 15 | 7 3 |
| M29 | 22 40 | 26 17 | 4 8 | 25 33 | 2 2 | 23 1 | 1 51 | 22 54 | 1 19 | 21 20 | 0 36 | 16 51 | 1 3 | 15 39 | 0 43 | 2 44 | 1 37 | 0 55 | 14 57 | 6 17 | 6 12 | 5 27 | 11 15 | 7 3 |
| T 30 | 22 46 | 23 4 | 3 22 | 25 31 | 2 2 | 22 49 | 1 45 | 22 47 | 1 19 | 21 18 | 0 36 | 16 52 | 1 4 | 15 38 | 0 43 | 2 45 | 1 37 | 0 55 | 14 58 | 6 20 | 6 13 | 5 31 | 11 15 | 7 4 |
| W31 | 22n52 | 18s50 | 2s28 | 25n28 | 2n 2 | 22n37 | 1n38 | 22n41 | 1n19 | 21n16 | 0n36 | 16s52 | 1s 4 | 15n37 | 0n43 | 2n45 | 1s37 | 0n55 | 14s58 | 6s22 | 6s15 | 5n34 | 11s15 | 7n 4 |

Julian Day Number = 2223031.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'46, Lahiri = 15°07'47 Julian Calendar 1 May 1374 == Greg. Calendar 9 May 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## JUNE 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 9 14 | 17♊47'47 | 27♒ 6 | 6♋42 | 26♋32 | 24♋34 | 27♋59 | 16°R46 | 19♌47 | 10♈42 | 11♉ 0 | 13°R50 | 14♓ 8 | 9♈ 7 | 8°R57 | T 1 |
| F 2 | 17 13 10 | 18°45'01 | 9♓13 | 8°24 | 26°59 | 25°11 | 28°11 | 16♒45 | 19°49 | 10°43 | 11° 1 | 13♓49 | 14° 5 | 9°13 | 8♒55 | F 2 |
| S 3 | 17 17 7 | 19°42'14 | 21° 8 | 10° 4 | 27°24 | 25°48 | 28°22 | 16°44 | 19°52 | 10°44 | 11° 2 | 13°49 | 14° 2 | 9°20 | 8°53 | S 3 |
| S 4 | 17 21 3 | 20°39'27 | 2♈58 | 11°42 | 27°48 | 26°25 | 28°34 | 16°42 | 19°54 | 10°45 | 11° 3 | 13°49 | 13°59 | 9°27 | 8°52 | S 4 |
| M 5 | 17 25 0 | 21°36'40 | 14°47 | 13°17 | 28°10 | 27° 2 | 28°46 | 16°41 | 19°56 | 10°46 | 11° 4 | 13°47 | 13°55 | 9°33 | 8°50 | M 5 |
| T 6 | 17 28 56 | 22°33'53 | 26°40 | 14°50 | 28°31 | 27°39 | 28°57 | 16°39 | 19°59 | 10°47 | 11° 6 | 13°43 | 13°52 | 9°40 | 8°48 | T 6 |
| W 7 | 17 32 53 | 23°31'06 | 8♉42 | 16°21 | 28°49 | 28°16 | 29° 9 | 16°37 | 20° 1 | 10°48 | 11° 7 | 13°36 | 13°49 | 9°47 | 8°46 | W 7 |
| T 8 | 17 36 49 | 24°28'19 | 20°56 | 17°49 | 29° 6 | 28°54 | 29°21 | 16°35 | 20° 4 | 10°49 | 11° 8 | 13°27 | 13°46 | 9°53 | 8°44 | T 8 |
| F 9 | 17 40 46 | 25°25'32 | 3♊25 | 19°14 | 29°21 | 29°31 | 29°33 | 16°33 | 20° 6 | 10°50 | 11° 9 | 13°16 | 13°43 | 10° 0 | 8°42 | F 9 |
| S 10 | 17 44 43 | 26°22'44 | 16°10 | 20°37 | 29°34 | 0♌ 8 | 29°45 | 16°32 | 20° 9 | 10°51 | 11°10 | 13° 4 | 13°40 | 10° 7 | 8°40 | S 10 |
| S 11 | 17 48 39 | 27°19'57 | 29°11 | 21°58 | 29°44 | 0°45 | 29°57 | 16°29 | 20°11 | 10°51 | 11°11 | 12°52 | 13°36 | 10°13 | 8°38 | S 11 |
| M12 | 17 52 36 | 28°17'09 | 12♋26 | 23°15 | 29°53 | 1°22 | 0♌ 9 | 16°27 | 20°14 | 10°52 | 11°12 | 12°40 | 13°33 | 10°20 | 8°36 | M12 |
| T 13 | 17 56 32 | 29°14'21 | 25°55 | 24°30 | 29°59 | 1°59 | 0°21 | 16°25 | 20°16 | 10°53 | 11°13 | 12°32 | 13°30 | 10°27 | 8°33 | T 13 |
| W14 | 18 0 29 | 0♋11'33 | 9♌33 | 25°43 | 0♌ 4 | 2°36 | 0°34 | 16°23 | 20°19 | 10°54 | 11°14 | 12°25 | 13°27 | 10°33 | 8°31 | W14 |
| T 15 | 18 4 25 | 1° 8'44 | 23°21 | 26°53 | 0°R 6 | 3°14 | 0°46 | 16°20 | 20°22 | 10°55 | 11°15 | 12°22 | 13°24 | 10°40 | 8°29 | T 15 |
| F 16 | 18 8 22 | 2° 5'55 | 7♍16 | 27°59 | 0° 5 | 3°51 | 0°58 | 16°18 | 20°25 | 10°55 | 11°15 | 12°D20 | 13°20 | 10°47 | 8°26 | F 16 |
| S 17 | 18 12 19 | 3° 3'06 | 21°17 | 29° 3 | 0° 2 | 4°28 | 1°10 | 16°15 | 20°27 | 10°56 | 11°16 | 12°21 | 13°17 | 10°53 | 8°24 | S 17 |
| S 18 | 18 16 15 | 4° 0'17 | 5♎23 | 0♌ 4 | 29♋57 | 5° 5 | 1°23 | 16°12 | 20°30 | 10°56 | 11°17 | 12°R21 | 13°14 | 11° 0 | 8°22 | S 18 |
| M19 | 18 20 12 | 4°57'27 | 19°33 | 1° 2 | 29°50 | 5°43 | 1°35 | 16°10 | 20°33 | 10°57 | 11°18 | 12°20 | 13°11 | 11° 7 | 8°19 | M19 |
| T 20 | 18 24 8 | 5°54'37 | 3♏47 | 1°57 | 29°40 | 6°20 | 1°48 | 16° 7 | 20°36 | 10°58 | 11°19 | 12°17 | 13° 8 | 11°13 | 8°17 | T 20 |
| W21 | 18 28 5 | 6°51'47 | 18° 1 | 2°48 | 29°28 | 6°57 | 2° 0 | 16° 4 | 20°39 | 10°58 | 11°20 | 12°12 | 13° 5 | 11°20 | 8°14 | W21 |
| T 22 | 18 32 1 | 7°48'57 | 2♐12 | 3°36 | 29°13 | 7°34 | 2°13 | 16° 1 | 20°42 | 10°59 | 11°21 | 12° 5 | 13° 1 | 11°27 | 8°11 | T 22 |
| F 23 | 18 35 58 | 8°46'07 | 16°16 | 4°20 | 28°56 | 8°12 | 2°25 | 15°58 | 20°45 | 10°59 | 11°22 | 11°55 | 12°58 | 11°33 | 8° 9 | F 23 |
| S 24 | 18 39 54 | 9°43'18 | 0♑ 8 | 5° 1 | 28°37 | 8°49 | 2°38 | 15°55 | 20°48 | 11° 0 | 11°22 | 11°46 | 12°55 | 11°40 | 8° 6 | S 24 |
| S 25 | 18 43 51 | 10°40'28 | 13°45 | 5°37 | 28°15 | 9°26 | 2°51 | 15°52 | 20°51 | 11° 0 | 11°23 | 11°36 | 12°52 | 11°47 | 8° 3 | S 25 |
| M26 | 18 47 48 | 11°37'39 | 27° 3 | 6°10 | 27°51 | 10° 4 | 3° 3 | 15°48 | 20°54 | 11° 0 | 11°24 | 11°28 | 12°49 | 11°53 | 8° 1 | M26 |
| T 27 | 18 51 44 | 12°34'50 | 10♒ 1 | 6°38 | 27°25 | 10°41 | 3°16 | 15°45 | 20°57 | 11° 1 | 11°25 | 11°21 | 12°46 | 12° 0 | 7°58 | T 27 |
| W28 | 18 55 41 | 13°32'01 | 22°39 | 7° 3 | 26°57 | 11°19 | 3°29 | 15°42 | 21° 0 | 11° 1 | 11°25 | 11°17 | 12°42 | 12° 7 | 7°55 | W28 |
| T 29 | 18 59 37 | 14°29'13 | 5♓ 0 | 7°23 | 26°28 | 11°56 | 3°42 | 15°38 | 21° 3 | 11° 1 | 11°26 | 11°16 | 12°39 | 12°13 | 7°52 | T 29 |
| F 30 | 19 3 34 | 15♋26'26 | 17♓ 6 | 7♌38 | 25♋57 | 12♌33 | 3♌54 | 15♒35 | 21♌ 7 | 11♈ 1 | 11♉27 | 11°D16 | 12♓36 | 12♈20 | 7♒49 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n58 | 13s53 | 1s27 | 25n22 | 2n 1 | 22n24 | 1n30 | 22n34 | 1n18 | 21n14 | 0n36 | 16s53 | 1s 4 | 15n37 | 0n43 | 2n45 | 1s37 | 0n56 | 14s58 | 6s23 | 6s16 | 5n37 | 11s15 | 7n 4 |
| F 2 | 23 3 | 8 31 | 0 24 | 25 15 | 2 0 | 22 11 | 1 23 | 22 27 | 1 18 | 21 11 | 0 36 | 16 53 | 1 4 | 15 36 | 0 43 | 2 46 | 1 37 | 0 56 | 14 58 | 6 23 | 6 17 | 5 41 | 11 15 | 7 5 |
| S 3 | 23 7 | 2 56 | 0n39 | 25 5 | 1 57 | 21 59 | 1 15 | 22 20 | 1 18 | 21 9 | 0 36 | 16 54 | 1 4 | 15 35 | 0 43 | 2 46 | 1 37 | 0 56 | 14 58 | 6 23 | 6 18 | 5 44 | 11 15 | 7 5 |
| S 4 | 23 12 | 2n42 | 1 40 | 24 54 | 1 54 | 21 46 | 1 7 | 22 13 | 1 18 | 21 7 | 0 36 | 16 55 | 1 5 | 15 34 | 0 43 | 2 47 | 1 37 | 0 56 | 14 58 | 6 23 | 6 20 | 5 48 | 11 16 | 7 5 |
| M 5 | 23 15 | 8 14 | 2 36 | 24 42 | 1 51 | 21 33 | 0 58 | 22 5 | 1 18 | 21 4 | 0 36 | 16 55 | 1 5 | 15 34 | 0 43 | 2 47 | 1 38 | 0 56 | 14 59 | 6 24 | 6 21 | 5 51 | 11 16 | 7 6 |
| T 6 | 23 19 | 13 31 | 3 26 | 24 28 | 1 47 | 21 20 | 0 49 | 21 58 | 1 17 | 21 2 | 0 36 | 16 56 | 1 5 | 15 33 | 0 43 | 2 47 | 1 38 | 0 56 | 14 59 | 6 26 | 6 22 | 5 54 | 11 16 | 7 6 |
| W 7 | 23 22 | 18 21 | 4 8 | 24 12 | 1 42 | 21 7 | 0 40 | 21 50 | 1 17 | 21 0 | 0 36 | 16 57 | 1 5 | 15 32 | 0 43 | 2 48 | 1 38 | 0 57 | 14 59 | 6 28 | 6 23 | 5 58 | 11 16 | 7 6 |
| T 8 | 23 24 | 22 31 | 4 38 | 23 55 | 1 36 | 20 54 | 0 30 | 21 42 | 1 17 | 20 57 | 0 36 | 16 57 | 1 5 | 15 31 | 0 43 | 2 48 | 1 38 | 0 57 | 14 59 | 6 32 | 6 24 | 6 1 | 11 16 | 7 7 |
| F 9 | 23 27 | 25 46 | 4 57 | 23 37 | 1 30 | 20 42 | 0 20 | 21 34 | 1 17 | 20 55 | 0 36 | 16 58 | 1 5 | 15 30 | 0 43 | 2 48 | 1 38 | 0 57 | 14 59 | 6 36 | 6 26 | 6 4 | 11 16 | 7 7 |
| S 10 | 23 28 | 27 47 | 5 0 | 23 18 | 1 23 | 20 29 | 0 10 | 21 26 | 1 16 | 20 52 | 0 36 | 16 59 | 1 6 | 15 30 | 0 43 | 2 48 | 1 38 | 0 57 | 14 59 | 6 41 | 6 27 | 6 8 | 11 17 | 7 7 |
| S 11 | 23 30 | 28 20 | 4 49 | 22 58 | 1 16 | 20 16 | 0s 0 | 21 18 | 1 16 | 20 50 | 0 37 | 17 0 | 1 6 | 15 29 | 0 43 | 2 49 | 1 38 | 0 57 | 15 0 | 6 45 | 6 28 | 6 11 | 11 17 | 7 8 |
| M12 | 23 31 | 27 17 | 4 22 | 22 38 | 1 8 | 20 4 | 0 11 | 21 10 | 1 16 | 20 47 | 0 37 | 17 0 | 1 6 | 15 28 | 0 43 | 2 49 | 1 38 | 0 57 | 15 0 | 6 50 | 6 29 | 6 14 | 11 17 | 7 8 |
| T 13 | 23 31 | 24 38 | 3 40 | 22 16 | 0 59 | 19 51 | 0 23 | 21 1 | 1 16 | 20 44 | 0 37 | 17 1 | 1 6 | 15 27 | 0 42 | 2 49 | 1 38 | 0 57 | 15 0 | 6 53 | 6 31 | 6 18 | 11 17 | 7 8 |
| W14 | 23 31 | 20 34 | 2 45 | 21 54 | 0 50 | 19 39 | 0 35 | 20 52 | 1 16 | 20 42 | 0 37 | 17 2 | 1 6 | 15 26 | 0 42 | 2 49 | 1 38 | 0 57 | 15 0 | 6 55 | 6 32 | 6 21 | 11 18 | 7 9 |
| T 15 | 23 31 | 15 20 | 1 39 | 21 31 | 0 41 | 19 27 | 0 47 | 20 43 | 1 15 | 20 39 | 0 37 | 17 3 | 1 6 | 15 25 | 0 42 | 2 50 | 1 38 | 0 57 | 15 0 | 6 57 | 6 33 | 6 24 | 11 18 | 7 9 |
| F 16 | 23 30 | 9 17 | 0 27 | 21 8 | 0 31 | 19 15 | 0 59 | 20 35 | 1 15 | 20 37 | 0 37 | 17 4 | 1 7 | 15 24 | 0 42 | 2 50 | 1 38 | 0 57 | 15 1 | 6 57 | 6 34 | 6 28 | 11 18 | 7 9 |
| S 17 | 23 29 | 2 45 | 0s47 | 20 45 | 0 20 | 19 3 | 1 11 | 20 25 | 1 15 | 20 34 | 0 37 | 17 5 | 1 7 | 15 23 | 0 42 | 2 50 | 1 38 | 0 58 | 15 1 | 6 57 | 6 35 | 6 31 | 11 19 | 7 9 |
| S 18 | 23 28 | 3s58 | 1 59 | 20 21 | 0 9 | 18 51 | 1 24 | 20 16 | 1 15 | 20 31 | 0 37 | 17 6 | 1 7 | 15 22 | 0 42 | 2 50 | 1 38 | 0 58 | 15 1 | 6 57 | 6 37 | 6 34 | 11 19 | 7 10 |
| M19 | 23 26 | 10 31 | 3 4 | 19 58 | 0s 2 | 18 40 | 1 38 | 20 7 | 1 14 | 20 28 | 0 37 | 17 7 | 1 7 | 15 22 | 0 42 | 2 50 | 1 38 | 0 58 | 15 1 | 6 57 | 6 38 | 6 38 | 11 19 | 7 10 |
| T 20 | 23 23 | 16 33 | 3 58 | 19 34 | 0 14 | 18 29 | 1 51 | 19 57 | 1 14 | 20 26 | 0 37 | 17 8 | 1 7 | 15 21 | 0 42 | 2 51 | 1 38 | 0 58 | 15 2 | 6 58 | 6 39 | 6 41 | 11 20 | 7 10 |
| W21 | 23 21 | 21 41 | 4 37 | 19 11 | 0 26 | 18 18 | 2 5 | 19 48 | 1 14 | 20 23 | 0 37 | 17 9 | 1 7 | 15 20 | 0 42 | 2 51 | 1 38 | 0 58 | 15 2 | 7 0 | 6 40 | 6 45 | 11 20 | 7 10 |
| T 22 | 23 17 | 25 33 | 4 59 | 18 47 | 0 39 | 18 8 | 2 19 | 19 38 | 1 14 | 20 20 | 0 37 | 17 10 | 1 8 | 15 19 | 0 42 | 2 51 | 1 39 | 0 58 | 15 2 | 7 3 | 6 42 | 6 48 | 11 21 | 7 11 |
| F 23 | 23 14 | 27 50 | 5 3 | 18 24 | 0 52 | 17 57 | 2 33 | 19 28 | 1 14 | 20 17 | 0 37 | 17 11 | 1 8 | 15 18 | 0 42 | 2 51 | 1 39 | 0 58 | 15 2 | 7 7 | 6 43 | 6 51 | 11 21 | 7 11 |
| S 24 | 23 10 | 28 20 | 4 48 | 18 2 | 1 5 | 17 47 | 2 47 | 19 18 | 1 13 | 20 14 | 0 37 | 17 12 | 1 8 | 15 17 | 0 42 | 2 51 | 1 39 | 0 58 | 15 2 | 7 11 | 6 44 | 6 55 | 11 21 | 7 11 |
| S 25 | 23 6 | 27 5 | 4 18 | 17 39 | 1 19 | 17 38 | 3 1 | 19 8 | 1 13 | 20 12 | 0 37 | 17 13 | 1 8 | 15 16 | 0 42 | 2 51 | 1 39 | 0 58 | 15 3 | 7 14 | 6 45 | 6 58 | 11 22 | 7 11 |
| M26 | 23 1 | 24 19 | 3 33 | 17 18 | 1 33 | 17 29 | 3 15 | 18 57 | 1 13 | 20 9 | 0 37 | 17 14 | 1 8 | 15 15 | 0 42 | 2 51 | 1 39 | 0 58 | 15 3 | 7 17 | 6 46 | 7 1 | 11 22 | 7 11 |
| T 27 | 22 56 | 20 21 | 2 39 | 16 57 | 1 47 | 17 20 | 3 29 | 18 47 | 1 13 | 20 6 | 0 37 | 17 15 | 1 8 | 15 14 | 0 42 | 2 51 | 1 39 | 0 58 | 15 3 | 7 20 | 6 48 | 7 5 | 11 23 | 7 12 |
| W28 | 22 50 | 15 33 | 1 38 | 16 38 | 2 1 | 17 11 | 3 43 | 18 36 | 1 12 | 20 3 | 0 37 | 17 17 | 1 8 | 15 13 | 0 42 | 2 51 | 1 39 | 0 58 | 15 3 | 7 21 | 6 49 | 7 8 | 11 23 | 7 12 |
| T 29 | 22 44 | 10 14 | 0 34 | 16 19 | 2 15 | 17 3 | 3 57 | 18 25 | 1 12 | 20 0 | 0 37 | 17 18 | 1 9 | 15 12 | 0 42 | 2 52 | 1 39 | 0 58 | 15 4 | 7 22 | 6 50 | 7 11 | 11 24 | 7 12 |
| F 30 | 22n38 | 4s38 | 0n31 | 16n 1 | 2s29 | 16n55 | 4s11 | 18n15 | 1n12 | 19n57 | 0n37 | 17s19 | 1s 9 | 15n11 | 0n42 | 2n52 | 1s39 | 0n58 | 15s 4 | 7s22 | 6s51 | 7n15 | 11s25 | 7n12 |

Julian Day Number = 2223062.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'51, Lahiri = 15°07'51 Julian Calendar 1 June 1374 == Greg. Calendar 9 June 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## JULY 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 7 30 | 16♋23'39 | 29♓ 2 | 7♌49 | 25°R24 | 13♌11 | 4♌ 7 | 15°R31 | 21♌10 | 11♈ 2 | 11♉27 | 11♓17 | 12♓33 | 12♈27 | 7°R46 | S 1 |
| S 2 | 19 11 27 | 17°20'53 | 10♈53 | 7°54 | 24♋50 | 13°48 | 4°20 | 15♒27 | 21°13 | 11° 2 | 11°28 | 11°17 | 12°30 | 12°33 | 7♒43 | S 2 |
| M 3 | 19 15 23 | 18°18'08 | 22°43 | 7°R55 | 24°15 | 14°26 | 4°33 | 15°24 | 21°16 | 11° 2 | 11°29 | 11°R18 | 12°26 | 12°40 | 7°41 | M 3 |
| T 4 | 19 19 20 | 19°15'23 | 4♉38 | 7°52 | 23°39 | 15° 3 | 4°46 | 15°20 | 21°20 | 11° 2 | 11°29 | 11°16 | 12°23 | 12°47 | 7°38 | T 4 |
| W 5 | 19 23 17 | 20°12'40 | 16°43 | 7°43 | 23° 2 | 15°41 | 4°59 | 15°16 | 21°23 | 11° 2 | 11°30 | 11°13 | 12°20 | 12°53 | 7°35 | W 5 |
| T 6 | 19 27 13 | 21° 9'57 | 29° 2 | 7°29 | 22°25 | 16°18 | 5°12 | 15°12 | 21°26 | 11° 2 | 11°31 | 11° 8 | 12°17 | 13° 0 | 7°31 | T 6 |
| F 7 | 19 31 10 | 22° 7'16 | 11♊39 | 7°10 | 21°47 | 16°56 | 5°25 | 15° 8 | 21°30 | 11°R 2 | 11°31 | 11° 1 | 12°14 | 13° 7 | 7°28 | F 7 |
| S 8 | 19 35 6 | 23° 4'35 | 24°35 | 6°47 | 21°10 | 17°34 | 5°38 | 15° 4 | 21°33 | 11° 2 | 11°32 | 10°53 | 12°11 | 13°13 | 7°25 | S 8 |
| S 9 | 19 39 3 | 24° 1'55 | 7♋51 | 6°19 | 20°33 | 18°11 | 5°51 | 15° 0 | 21°36 | 11° 2 | 11°32 | 10°45 | 12° 7 | 13°20 | 7°22 | S 9 |
| M10 | 19 42 59 | 24°59'16 | 21°25 | 5°48 | 19°57 | 18°49 | 6° 4 | 14°56 | 21°40 | 11° 2 | 11°33 | 10°38 | 12° 4 | 13°27 | 7°19 | M10 |
| T 11 | 19 46 56 | 25°56'37 | 5♌16 | 5°12 | 19°21 | 19°26 | 6°17 | 14°52 | 21°43 | 11° 2 | 11°33 | 10°32 | 12° 1 | 13°33 | 7°16 | T 11 |
| W12 | 19 50 53 | 26°53'59 | 19°20 | 4°33 | 18°46 | 20° 4 | 6°30 | 14°48 | 21°47 | 11° 2 | 11°34 | 10°28 | 11°58 | 13°40 | 7°13 | W12 |
| T 13 | 19 54 49 | 27°51'22 | 3♍33 | 3°52 | 18°12 | 20°42 | 6°43 | 14°44 | 21°50 | 11° 1 | 11°34 | 10°26 | 11°55 | 13°47 | 7°10 | T 13 |
| F 14 | 19 58 46 | 28°48'46 | 17°49 | 3° 8 | 17°40 | 21°20 | 6°56 | 14°40 | 21°54 | 11° 1 | 11°35 | 10°D26 | 11°52 | 13°53 | 7° 7 | F 14 |
| S 15 | 20 2 42 | 29°46'10 | 2♎ 7 | 2°23 | 17° 9 | 21°57 | 7° 9 | 14°35 | 21°57 | 11° 1 | 11°35 | 10°27 | 11°48 | 14° 0 | 7° 3 | S 15 |
| S 16 | 20 6 39 | 0♌43'35 | 16°23 | 1°38 | 16°40 | 22°35 | 7°22 | 14°31 | 22° 1 | 11° 1 | 11°35 | 10°29 | 11°45 | 14° 7 | 7° 0 | S 16 |
| M17 | 20 10 35 | 1°41'00 | 0♏34 | 0°52 | 16°13 | 23°13 | 7°36 | 14°27 | 22° 5 | 11° 0 | 11°36 | 10°R29 | 11°42 | 14°13 | 6°57 | M17 |
| T 18 | 20 14 32 | 2°38'27 | 14°40 | 0° 8 | 15°47 | 23°51 | 7°49 | 14°22 | 22° 8 | 11° 0 | 11°36 | 10°29 | 11°39 | 14°20 | 6°54 | T 18 |
| W19 | 20 18 28 | 3°35'54 | 28°38 | 29♋26 | 15°24 | 24°28 | 8° 2 | 14°18 | 22°12 | 11° 0 | 11°36 | 10°27 | 11°36 | 14°27 | 6°51 | W19 |
| T 20 | 20 22 25 | 4°33'21 | 12♐27 | 28°46 | 15° 3 | 25° 6 | 8°15 | 14°14 | 22°15 | 10°59 | 11°37 | 10°23 | 11°32 | 14°33 | 6°47 | T 20 |
| F 21 | 20 26 22 | 5°30'50 | 26° 6 | 28°10 | 14°44 | 25°44 | 8°28 | 14° 9 | 22°19 | 10°59 | 11°37 | 10°18 | 11°29 | 14°40 | 6°44 | F 21 |
| S 22 | 20 30 18 | 6°28'20 | 9♑32 | 27°39 | 14°28 | 26°22 | 8°41 | 14° 5 | 22°23 | 10°58 | 11°37 | 10°13 | 11°26 | 14°47 | 6°41 | S 22 |
| S 23 | 20 34 15 | 7°25'50 | 22°45 | 27°12 | 14°13 | 27° 0 | 8°55 | 14° 0 | 22°26 | 10°58 | 11°38 | 10° 7 | 11°23 | 14°53 | 6°38 | S 23 |
| M24 | 20 38 11 | 8°23'22 | 5♒42 | 26°51 | 14° 2 | 27°38 | 9° 8 | 13°56 | 22°30 | 10°57 | 11°38 | 10° 3 | 11°20 | 15° 0 | 6°35 | M24 |
| T 25 | 20 42 8 | 9°20'54 | 18°24 | 26°36 | 13°52 | 28°16 | 9°21 | 13°51 | 22°34 | 10°57 | 11°38 | 10° 0 | 11°17 | 15° 7 | 6°31 | T 25 |
| W26 | 20 46 4 | 10°18'28 | 0♓51 | 26°27 | 13°45 | 28°54 | 9°34 | 13°47 | 22°37 | 10°56 | 11°38 | 9°58 | 11°13 | 15°13 | 6°28 | W26 |
| T 27 | 20 50 1 | 11°16'03 | 13° 4 | 26°D25 | 13°41 | 29°32 | 9°47 | 13°42 | 22°41 | 10°55 | 11°38 | 9°D58 | 11°10 | 15°20 | 6°25 | T 27 |
| F 28 | 20 53 57 | 12°13'40 | 25° 7 | 26°30 | 13°D38 | 0♍10 | 10° 0 | 13°38 | 22°45 | 10°55 | 11°38 | 9°59 | 11° 7 | 15°27 | 6°22 | F 28 |
| S 29 | 20 57 54 | 13°11'18 | 7♈ 1 | 26°42 | 13°38 | 0°48 | 10°14 | 13°33 | 22°48 | 10°54 | 11°39 | 10° 0 | 11° 4 | 15°33 | 6°19 | S 29 |
| S 30 | 21 1 51 | 14° 8'57 | 18°51 | 27° 2 | 13°41 | 1°26 | 10°27 | 13°29 | 22°52 | 10°53 | 11°39 | 10° 2 | 11° 1 | 15°40 | 6°15 | S 30 |
| M31 | 21 5 47 | 15♌ 6'38 | 0♉41 | 27♋29 | 13♋46 | 2♍ 4 | 10♌40 | 13♒24 | 22♌56 | 10♈53 | 11♉39 | 10♓ 3 | 10♓57 | 15♈47 | 6♒12 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n31 | 1n 3 | 1n34 | 15n45 | 2s44 | 16n48 | 4s25 | 18n 4 | 1n12 | 19n54 | 0n37 | 17s20 | 1s 9 | 15n10 | 0n42 | 2n52 | 1s39 | 0n58 | 15s 4 | 7s22 | 6s53 | 7n18 | 11s25 | 7n12 |
| S 2 | 22 24 | 6 39 | 2 32 | 15 30 | 2 58 | 16 41 | 4 38 | 17 53 | 1 11 | 19 51 | 0 37 | 17 21 | 1 9 | 15 8 | 0 42 | 2 52 | 1 39 | 0 58 | 15 4 | 7 21 | 6 54 | 7 21 | 11 26 | 7 12 |
| M 3 | 22 16 | 12 1 | 3 24 | 15 16 | 3 12 | 16 34 | 4 51 | 17 41 | 1 11 | 19 48 | 0 37 | 17 23 | 1 9 | 15 7 | 0 42 | 2 52 | 1 39 | 0 57 | 15 5 | 7 21 | 6 55 | 7 24 | 11 26 | 7 13 |
| T 4 | 22 8 | 16 59 | 4 7 | 15 4 | 3 25 | 16 28 | 5 3 | 17 30 | 1 11 | 19 45 | 0 38 | 17 24 | 1 9 | 15 6 | 0 42 | 2 52 | 1 39 | 0 57 | 15 5 | 7 22 | 6 56 | 7 28 | 11 27 | 7 13 |
| W 5 | 22 0 | 21 21 | 4 40 | 14 53 | 3 38 | 16 22 | 5 15 | 17 19 | 1 10 | 19 42 | 0 38 | 17 25 | 1 9 | 15 5 | 0 42 | 2 52 | 1 39 | 0 57 | 15 5 | 7 23 | 6 57 | 7 31 | 11 28 | 7 13 |
| T 6 | 21 51 | 24 54 | 5 1 | 14 45 | 3 51 | 16 17 | 5 27 | 17 7 | 1 10 | 19 39 | 0 38 | 17 26 | 1 10 | 15 4 | 0 42 | 2 51 | 1 39 | 0 57 | 15 6 | 7 25 | 6 59 | 7 34 | 11 28 | 7 13 |
| F 7 | 21 42 | 27 20 | 5 7 | 14 38 | 4 2 | 16 12 | 5 37 | 16 56 | 1 10 | 19 35 | 0 38 | 17 28 | 1 10 | 15 3 | 0 42 | 2 51 | 1 39 | 0 57 | 15 6 | 7 28 | 7 0 | 7 38 | 11 29 | 7 13 |
| S 8 | 21 33 | 28 23 | 4 59 | 14 33 | 4 13 | 16 7 | 5 48 | 16 44 | 1 10 | 19 32 | 0 38 | 17 29 | 1 10 | 15 2 | 0 42 | 2 51 | 1 39 | 0 57 | 15 6 | 7 31 | 7 1 | 7 41 | 11 29 | 7 13 |
| S 9 | 21 23 | 27 51 | 4 34 | 14 31 | 4 23 | 16 3 | 5 57 | 16 32 | 1 9 | 19 29 | 0 38 | 17 30 | 1 10 | 15 1 | 0 42 | 2 51 | 1 40 | 0 57 | 15 6 | 7 34 | 7 2 | 7 44 | 11 30 | 7 13 |
| M10 | 21 12 | 25 39 | 3 54 | 14 30 | 4 32 | 16 0 | 6 6 | 16 20 | 1 9 | 19 26 | 0 38 | 17 32 | 1 10 | 15 0 | 0 42 | 2 51 | 1 40 | 0 57 | 15 7 | 7 36 | 7 3 | 7 48 | 11 31 | 7 13 |
| T 11 | 21 2 | 21 54 | 2 59 | 14 31 | 4 39 | 15 56 | 6 15 | 16 8 | 1 9 | 19 23 | 0 38 | 17 33 | 1 10 | 14 59 | 0 42 | 2 51 | 1 40 | 0 57 | 15 7 | 7 39 | 7 5 | 7 51 | 11 31 | 7 13 |
| W12 | 20 51 | 16 51 | 1 52 | 14 34 | 4 45 | 15 54 | 6 22 | 15 56 | 1 9 | 19 20 | 0 38 | 17 34 | 1 10 | 14 57 | 0 42 | 2 51 | 1 40 | 0 57 | 15 7 | 7 40 | 7 6 | 7 54 | 11 32 | 7 14 |
| T 13 | 20 40 | 10 49 | 0 37 | 14 40 | 4 50 | 15 51 | 6 29 | 15 43 | 1 8 | 19 16 | 0 38 | 17 36 | 1 10 | 14 56 | 0 42 | 2 51 | 1 40 | 0 56 | 15 7 | 7 41 | 7 7 | 7 58 | 11 33 | 7 14 |
| F 14 | 20 28 | 4 13 | 0s40 | 14 47 | 4 53 | 15 50 | 6 35 | 15 31 | 1 8 | 19 13 | 0 38 | 17 37 | 1 11 | 14 55 | 0 42 | 2 51 | 1 40 | 0 56 | 15 8 | 7 41 | 7 8 | 8 1 | 11 34 | 7 14 |
| S 15 | 20 16 | 2s36 | 1 55 | 14 56 | 4 54 | 15 48 | 6 40 | 15 18 | 1 8 | 19 10 | 0 38 | 17 38 | 1 11 | 14 54 | 0 42 | 2 51 | 1 40 | 0 56 | 15 8 | 7 40 | 7 10 | 8 4 | 11 34 | 7 14 |
| S 16 | 20 4 | 9 16 | 3 3 | 15 6 | 4 53 | 15 47 | 6 45 | 15 6 | 1 7 | 19 6 | 0 38 | 17 40 | 1 11 | 14 53 | 0 42 | 2 50 | 1 40 | 0 56 | 15 8 | 7 40 | 7 11 | 8 7 | 11 35 | 7 14 |
| M17 | 19 51 | 15 26 | 3 59 | 15 18 | 4 50 | 15 47 | 6 48 | 14 53 | 1 7 | 19 3 | 0 38 | 17 41 | 1 11 | 14 52 | 0 42 | 2 50 | 1 40 | 0 56 | 15 9 | 7 40 | 7 12 | 8 11 | 11 36 | 7 14 |
| T 18 | 19 38 | 20 45 | 4 40 | 15 32 | 4 46 | 15 46 | 6 51 | 14 40 | 1 7 | 19 0 | 0 38 | 17 43 | 1 11 | 14 50 | 0 42 | 2 50 | 1 40 | 0 56 | 15 9 | 7 40 | 7 13 | 8 14 | 11 37 | 7 14 |
| W19 | 19 25 | 24 52 | 5 5 | 15 46 | 4 40 | 15 47 | 6 54 | 14 27 | 1 7 | 18 56 | 0 38 | 17 44 | 1 11 | 14 49 | 0 42 | 2 50 | 1 40 | 0 56 | 15 9 | 7 41 | 7 14 | 8 17 | 11 37 | 7 14 |
| T 20 | 19 11 | 27 30 | 5 11 | 16 2 | 4 32 | 15 47 | 6 56 | 14 14 | 1 6 | 18 53 | 0 39 | 17 45 | 1 11 | 14 48 | 0 42 | 2 50 | 1 40 | 0 55 | 15 9 | 7 42 | 7 16 | 8 21 | 11 38 | 7 14 |
| F 21 | 18 57 | 28 27 | 4 59 | 16 18 | 4 23 | 15 48 | 6 57 | 14 1 | 1 6 | 18 50 | 0 39 | 17 47 | 1 11 | 14 47 | 0 42 | 2 49 | 1 40 | 0 55 | 15 10 | 7 44 | 7 17 | 8 24 | 11 39 | 7 14 |
| S 22 | 18 43 | 27 42 | 4 32 | 16 35 | 4 12 | 15 49 | 6 57 | 13 48 | 1 6 | 18 46 | 0 39 | 17 48 | 1 11 | 14 46 | 0 42 | 2 49 | 1 40 | 0 55 | 15 10 | 7 46 | 7 18 | 8 27 | 11 40 | 7 14 |
| S 23 | 18 29 | 25 22 | 3 50 | 16 52 | 4 0 | 15 51 | 6 57 | 13 35 | 1 5 | 18 43 | 0 39 | 17 49 | 1 12 | 14 44 | 0 42 | 2 49 | 1 40 | 0 55 | 15 10 | 7 48 | 7 19 | 8 30 | 11 41 | 7 14 |
| M24 | 18 14 | 21 46 | 2 56 | 17 9 | 3 46 | 15 53 | 6 56 | 13 21 | 1 5 | 18 40 | 0 39 | 17 51 | 1 12 | 14 43 | 0 42 | 2 49 | 1 40 | 0 55 | 15 11 | 7 50 | 7 20 | 8 34 | 11 41 | 7 14 |
| T 25 | 17 59 | 17 12 | 1 55 | 17 26 | 3 32 | 15 55 | 6 55 | 13 8 | 1 5 | 18 36 | 0 39 | 17 52 | 1 12 | 14 42 | 0 42 | 2 48 | 1 40 | 0 54 | 15 11 | 7 51 | 7 22 | 8 37 | 11 42 | 7 14 |
| W26 | 17 43 | 11 59 | 0 50 | 17 43 | 3 17 | 15 58 | 6 53 | 12 54 | 1 4 | 18 33 | 0 39 | 17 54 | 1 12 | 14 41 | 0 42 | 2 48 | 1 41 | 0 54 | 15 11 | 7 51 | 7 23 | 8 40 | 11 43 | 7 14 |
| T 27 | 17 27 | 6 25 | 0n17 | 17 59 | 3 1 | 16 1 | 6 51 | 12 41 | 1 4 | 18 29 | 0 39 | 17 55 | 1 12 | 14 40 | 0 42 | 2 48 | 1 41 | 0 54 | 15 11 | 7 52 | 7 24 | 8 44 | 11 44 | 7 13 |
| F 28 | 17 11 | 0 41 | 1 22 | 18 14 | 2 44 | 16 3 | 6 48 | 12 27 | 1 4 | 18 26 | 0 39 | 17 56 | 1 12 | 14 38 | 0 42 | 2 47 | 1 41 | 0 54 | 15 12 | 7 51 | 7 25 | 8 47 | 11 45 | 7 13 |
| S 29 | 16 55 | 4n59 | 2 23 | 18 29 | 2 27 | 16 7 | 6 45 | 12 13 | 1 3 | 18 22 | 0 39 | 17 58 | 1 12 | 14 37 | 0 42 | 2 47 | 1 41 | 0 53 | 15 12 | 7 51 | 7 26 | 8 50 | 11 46 | 7 13 |
| S 30 | 16 38 | 10 27 | 3 18 | 18 42 | 2 10 | 16 10 | 6 41 | 11 59 | 1 3 | 18 19 | 0 39 | 17 59 | 1 12 | 14 36 | 0 42 | 2 47 | 1 41 | 0 53 | 15 12 | 7 50 | 7 28 | 8 53 | 11 46 | 7 13 |
| M31 | 16n22 | 15n33 | 4n 4 | 18n53 | 1s53 | 16n13 | 6s37 | 11n45 | 1n 3 | 18n15 | 0n39 | 18s 1 | 1s12 | 14n35 | 0n42 | 2n46 | 1s41 | 0n53 | 15s13 | 7s50 | 7s29 | 8n57 | 11s47 | 7n13 |

Julian Day Number = 2223092.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'55, Lahiri = 15°07'55 Julian Calendar 1 July 1374 == Greg. Calendar 9 July 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## AUGUST 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 9 44 | 16♌ 4'21 | 12♉36 | 28♋ 3 | 13♋53 | 2♍42 | 10♌53 | 13°R20 | 22♌59 | 10°R52 | 11♉39 | 10°R 4 | 10♓54 | 15♈53 | 6°R 9 | T 1 |
| W 2 | 21 13 40 | 17° 2'05 | 24°41 | 28°45 | 14° 2 | 3°20 | 11° 6 | 13♒15 | 23° 3 | 10♈51 | 11°39 | 10♓ 4 | 10°51 | 16° 0 | 6♒ 6 | W 2 |
| T 3 | 21 17 37 | 17°59'51 | 7♊ 0 | 29°33 | 14°13 | 3°58 | 11°19 | 13°11 | 23° 7 | 10°50 | 11°39 | 10° 3 | 10°48 | 16° 7 | 6° 3 | T 3 |
| F 4 | 21 21 33 | 18°57'39 | 19°38 | 0♌29 | 14°26 | 4°36 | 11°32 | 13° 6 | 23°11 | 10°49 | 11°R39 | 10° 1 | 10°45 | 16°13 | 6° 0 | F 4 |
| S 5 | 21 25 30 | 19°55'29 | 2♋37 | 1°31 | 14°42 | 5°15 | 11°46 | 13° 2 | 23°14 | 10°48 | 11°39 | 9°58 | 10°42 | 16°20 | 5°57 | S 5 |
| S 6 | 21 29 26 | 20°53'20 | 16° 0 | 2°40 | 14°59 | 5°53 | 11°59 | 12°57 | 23°18 | 10°47 | 11°39 | 9°55 | 10°38 | 16°27 | 5°54 | S 6 |
| M 7 | 21 33 23 | 21°51'13 | 29°47 | 3°55 | 15°18 | 6°31 | 12°12 | 12°53 | 23°22 | 10°47 | 11°39 | 9°53 | 10°35 | 16°33 | 5°51 | M 7 |
| T 8 | 21 37 20 | 22°49'08 | 13♌54 | 5°15 | 15°39 | 7° 9 | 12°25 | 12°48 | 23°26 | 10°46 | 11°39 | 9°51 | 10°32 | 16°40 | 5°48 | T 8 |
| W 9 | 21 41 16 | 23°47'04 | 28°20 | 6°41 | 16° 2 | 7°48 | 12°38 | 12°44 | 23°29 | 10°45 | 11°39 | 9°50 | 10°29 | 16°47 | 5°45 | W 9 |
| T 10 | 21 45 13 | 24°45'01 | 12♍57 | 8°12 | 16°26 | 8°26 | 12°51 | 12°40 | 23°33 | 10°44 | 11°38 | 9°D49 | 10°26 | 16°53 | 5°42 | T 10 |
| F 11 | 21 49 9 | 25°43'00 | 27°40 | 9°47 | 16°52 | 9° 5 | 13° 4 | 12°35 | 23°37 | 10°42 | 11°38 | 9°50 | 10°23 | 17° 0 | 5°39 | F 11 |
| S 12 | 21 53 6 | 26°41'01 | 12♎21 | 11°27 | 17°20 | 9°43 | 13°17 | 12°31 | 23°41 | 10°41 | 11°38 | 9°51 | 10°19 | 17° 7 | 5°36 | S 12 |
| S 13 | 21 57 2 | 27°39'03 | 26°56 | 13° 9 | 17°49 | 10°21 | 13°30 | 12°27 | 23°44 | 10°40 | 11°38 | 9°52 | 10°16 | 17°13 | 5°33 | S 13 |
| M14 | 22 0 59 | 28°37'06 | 11♏20 | 14°55 | 18°20 | 11° 0 | 13°43 | 12°22 | 23°48 | 10°39 | 11°38 | 9°53 | 10°13 | 17°20 | 5°30 | M14 |
| T 15 | 22 4 55 | 29°35'11 | 25°28 | 16°44 | 18°52 | 11°38 | 13°56 | 12°18 | 23°52 | 10°38 | 11°37 | 9°R53 | 10°10 | 17°27 | 5°27 | T 15 |
| W16 | 22 8 52 | 0♍33'17 | 9♐21 | 18°35 | 19°25 | 12°17 | 14° 9 | 12°14 | 23°56 | 10°37 | 11°37 | 9°53 | 10° 7 | 17°33 | 5°24 | W16 |
| T 17 | 22 12 49 | 1°31'25 | 22°58 | 20°27 | 20° 0 | 12°55 | 14°22 | 12°10 | 23°59 | 10°36 | 11°37 | 9°52 | 10° 3 | 17°40 | 5°22 | T 17 |
| F 18 | 22 16 45 | 2°29'34 | 6♑17 | 22°21 | 20°36 | 13°34 | 14°34 | 12° 6 | 24° 3 | 10°34 | 11°37 | 9°52 | 10° 0 | 17°47 | 5°19 | F 18 |
| S 19 | 22 20 42 | 3°27'45 | 19°22 | 24°16 | 21°14 | 14°12 | 14°47 | 12° 2 | 24° 7 | 10°33 | 11°36 | 9°51 | 9°57 | 17°53 | 5°16 | S 19 |
| S 20 | 22 24 38 | 4°25'57 | 2♒12 | 26°11 | 21°52 | 14°51 | 15° 0 | 11°58 | 24°11 | 10°32 | 11°36 | 9°50 | 9°54 | 18° 0 | 5°13 | S 20 |
| M21 | 22 28 35 | 5°24'10 | 14°48 | 28° 7 | 22°32 | 15°30 | 15°13 | 11°54 | 24°14 | 10°31 | 11°36 | 9°50 | 9°51 | 18° 7 | 5°11 | M21 |
| T 22 | 22 32 31 | 6°22'26 | 27°12 | 0♍ 3 | 23°12 | 16° 8 | 15°25 | 11°50 | 24°18 | 10°29 | 11°35 | 9°49 | 9°48 | 18°13 | 5° 8 | T 22 |
| W23 | 22 36 28 | 7°20'43 | 9♓25 | 1°58 | 23°54 | 16°47 | 15°38 | 11°46 | 24°22 | 10°28 | 11°35 | 9°D49 | 9°44 | 18°20 | 5° 6 | W23 |
| T 24 | 22 40 24 | 8°19'02 | 21°29 | 3°54 | 24°37 | 17°26 | 15°51 | 11°42 | 24°25 | 10°27 | 11°35 | 9°49 | 9°41 | 18°27 | 5° 3 | T 24 |
| F 25 | 22 44 21 | 9°17'23 | 3♈26 | 5°48 | 25°21 | 18° 4 | 16° 3 | 11°39 | 24°29 | 10°25 | 11°34 | 9°49 | 9°38 | 18°33 | 5° 1 | F 25 |
| S 26 | 22 48 17 | 10°15'46 | 15°18 | 7°43 | 26° 6 | 18°43 | 16°16 | 11°35 | 24°33 | 10°24 | 11°34 | 9°R49 | 9°35 | 18°40 | 4°58 | S 26 |
| S 27 | 22 52 14 | 11°14'11 | 27° 7 | 9°36 | 26°51 | 19°22 | 16°28 | 11°31 | 24°36 | 10°23 | 11°33 | 9°49 | 9°32 | 18°47 | 4°56 | S 27 |
| M28 | 22 56 11 | 12°12'38 | 8♉57 | 11°29 | 27°38 | 20° 1 | 16°41 | 11°28 | 24°40 | 10°21 | 11°33 | 9°49 | 9°29 | 18°53 | 4°54 | M28 |
| T 29 | 23 0 7 | 13°11'07 | 20°52 | 13°20 | 28°25 | 20°40 | 16°53 | 11°24 | 24°44 | 10°20 | 11°32 | 9°49 | 9°25 | 19° 0 | 4°51 | T 29 |
| W30 | 23 4 4 | 14° 9'38 | 2♊55 | 15°11 | 29°14 | 21°19 | 17° 6 | 11°21 | 24°47 | 10°18 | 11°32 | 9°48 | 9°22 | 19° 7 | 4°49 | W30 |
| T 31 | 23 8 0 | 15♍ 8'12 | 15♊12 | 17♍ 1 | 0♌ 3 | 21♍58 | 17♌18 | 11♒17 | 24♌51 | 10♈17 | 11♉31 | 9°D48 | 9♓19 | 19♈13 | 4♒47 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 4 | 20n 6 | 4n40 | 19n 3 | 1s36 | 16n17 | 6s33 | 11n31 | 1n 3 | 18n12 | 0n39 | 18s 2 | 1s12 | 14n34 | 0n42 | 2n46 | 1s41 | 0n53 | 15s13 | 7s49 | 7s30 | 9n 0 | 11s48 | 7n13 |
| W 2 | 15 47 | 23 55 | 5 4 | 19 12 | 1 19 | 16 20 | 6 29 | 11 17 | 1 2 | 18 8 | 0 40 | 18 3 | 1 12 | 14 32 | 0 42 | 2 46 | 1 41 | 0 52 | 15 13 | 7 49 | 7 31 | 9 3 | 11 49 | 7 13 |
| T 3 | 15 29 | 26 43 | 5 15 | 19 18 | 1 2 | 16 24 | 6 24 | 11 3 | 1 2 | 18 5 | 0 40 | 18 5 | 1 12 | 14 31 | 0 42 | 2 45 | 1 41 | 0 52 | 15 13 | 7 50 | 7 33 | 9 6 | 11 50 | 7 13 |
| F 4 | 15 12 | 28 17 | 5 11 | 19 22 | 0 46 | 16 28 | 6 19 | 10 49 | 1 2 | 18 1 | 0 40 | 18 6 | 1 13 | 14 30 | 0 42 | 2 45 | 1 41 | 0 52 | 15 14 | 7 51 | 7 34 | 9 10 | 11 51 | 7 13 |
| S 5 | 14 53 | 28 21 | 4 51 | 19 24 | 0 31 | 16 31 | 6 14 | 10 34 | 1 1 | 17 57 | 0 40 | 18 7 | 1 13 | 14 29 | 0 42 | 2 45 | 1 41 | 0 52 | 15 14 | 7 52 | 7 35 | 9 13 | 11 52 | 7 12 |
| S 6 | 14 35 | 26 47 | 4 15 | 19 23 | 0 15 | 16 35 | 6 8 | 10 20 | 1 1 | 17 54 | 0 40 | 18 9 | 1 13 | 14 27 | 0 42 | 2 44 | 1 41 | 0 51 | 15 14 | 7 53 | 7 36 | 9 16 | 11 53 | 7 12 |
| M 7 | 14 16 | 23 35 | 3 24 | 19 20 | 0 1 | 16 38 | 6 2 | 10 5 | 1 1 | 17 50 | 0 40 | 18 10 | 1 13 | 14 26 | 0 42 | 2 44 | 1 41 | 0 51 | 15 15 | 7 54 | 7 37 | 9 19 | 11 53 | 7 12 |
| T 8 | 13 57 | 18 55 | 2 18 | 19 14 | 0n13 | 16 42 | 5 57 | 9 51 | 1 0 | 17 47 | 0 40 | 18 11 | 1 13 | 14 25 | 0 42 | 2 43 | 1 41 | 0 51 | 15 15 | 7 54 | 7 39 | 9 23 | 11 54 | 7 12 |
| W 9 | 13 38 | 13 5 | 1 3 | 19 5 | 0 25 | 16 45 | 5 51 | 9 36 | 1 0 | 17 43 | 0 40 | 18 13 | 1 13 | 14 24 | 0 42 | 2 43 | 1 41 | 0 50 | 15 15 | 7 55 | 7 40 | 9 26 | 11 55 | 7 12 |
| T 10 | 13 19 | 6 27 | 0s17 | 18 53 | 0 37 | 16 49 | 5 44 | 9 21 | 1 0 | 17 39 | 0 40 | 18 14 | 1 13 | 14 22 | 0 42 | 2 42 | 1 41 | 0 50 | 15 15 | 7 55 | 7 41 | 9 29 | 11 56 | 7 12 |
| F 11 | 13 0 | 0s33 | 1 37 | 18 38 | 0 48 | 16 52 | 5 38 | 9 7 | 0 59 | 17 36 | 0 40 | 18 15 | 1 13 | 14 21 | 0 42 | 2 42 | 1 41 | 0 50 | 15 16 | 7 55 | 7 42 | 9 32 | 11 57 | 7 11 |
| S 12 | 12 40 | 7 31 | 2 51 | 18 21 | 0 59 | 16 55 | 5 32 | 8 52 | 0 59 | 17 32 | 0 40 | 18 17 | 1 13 | 14 20 | 0 42 | 2 41 | 1 41 | 0 49 | 15 16 | 7 54 | 7 43 | 9 36 | 11 58 | 7 11 |
| S 13 | 12 20 | 14 1 | 3 52 | 18 0 | 1 8 | 16 57 | 5 25 | 8 37 | 0 59 | 17 29 | 0 41 | 18 18 | 1 13 | 14 19 | 0 42 | 2 41 | 1 41 | 0 49 | 15 16 | 7 54 | 7 45 | 9 39 | 11 59 | 7 11 |
| M14 | 12 0 | 19 41 | 4 39 | 17 37 | 1 16 | 17 0 | 5 19 | 8 22 | 0 58 | 17 25 | 0 41 | 18 19 | 1 13 | 14 17 | 0 42 | 2 41 | 1 41 | 0 49 | 15 17 | 7 54 | 7 46 | 9 42 | 12 0 | 7 11 |
| T 15 | 11 39 | 24 10 | 5 7 | 17 12 | 1 23 | 17 2 | 5 12 | 8 7 | 0 58 | 17 21 | 0 41 | 18 20 | 1 13 | 14 16 | 0 42 | 2 40 | 1 42 | 0 48 | 15 17 | 7 53 | 7 47 | 9 45 | 12 1 | 7 10 |
| W16 | 11 19 | 27 9 | 5 17 | 16 43 | 1 29 | 17 5 | 5 5 | 7 52 | 0 57 | 17 18 | 0 41 | 18 21 | 1 13 | 14 15 | 0 42 | 2 40 | 1 42 | 0 48 | 15 17 | 7 53 | 7 48 | 9 48 | 12 1 | 7 10 |
| T 17 | 10 58 | 28 28 | 5 9 | 16 13 | 1 35 | 17 6 | 4 58 | 7 37 | 0 57 | 17 14 | 0 41 | 18 23 | 1 13 | 14 14 | 0 42 | 2 39 | 1 42 | 0 48 | 15 17 | 7 54 | 7 49 | 9 52 | 12 2 | 7 10 |
| F 18 | 10 37 | 28 6 | 4 44 | 15 40 | 1 39 | 17 8 | 4 51 | 7 21 | 0 57 | 17 10 | 0 41 | 18 24 | 1 13 | 14 12 | 0 42 | 2 39 | 1 42 | 0 47 | 15 18 | 7 54 | 7 51 | 9 55 | 12 3 | 7 10 |
| S 19 | 10 16 | 26 9 | 4 5 | 15 5 | 1 42 | 17 9 | 4 44 | 7 6 | 0 56 | 17 7 | 0 41 | 18 25 | 1 13 | 14 11 | 0 42 | 2 38 | 1 42 | 0 47 | 15 18 | 7 54 | 7 52 | 9 58 | 12 4 | 7 9 |
| S 20 | 9 55 | 22 53 | 3 14 | 14 29 | 1 45 | 17 10 | 4 37 | 6 51 | 0 56 | 17 3 | 0 41 | 18 26 | 1 13 | 14 10 | 0 42 | 2 37 | 1 42 | 0 47 | 15 18 | 7 54 | 7 53 | 10 1 | 12 5 | 7 9 |
| M21 | 9 34 | 18 36 | 2 14 | 13 50 | 1 47 | 17 11 | 4 30 | 6 36 | 0 56 | 16 59 | 0 41 | 18 27 | 1 13 | 14 9 | 0 42 | 2 37 | 1 42 | 0 46 | 15 18 | 7 55 | 7 54 | 10 4 | 12 6 | 7 9 |
| T 22 | 9 12 | 13 34 | 1 9 | 13 10 | 1 48 | 17 12 | 4 23 | 6 20 | 0 55 | 16 56 | 0 42 | 18 28 | 1 13 | 14 8 | 0 42 | 2 36 | 1 42 | 0 46 | 15 19 | 7 55 | 7 55 | 10 8 | 12 7 | 7 9 |
| W23 | 8 51 | 8 6 | 0 2 | 12 29 | 1 48 | 17 12 | 4 16 | 6 5 | 0 55 | 16 52 | 0 42 | 18 30 | 1 13 | 14 6 | 0 42 | 2 36 | 1 42 | 0 46 | 15 19 | 7 55 | 7 57 | 10 11 | 12 8 | 7 8 |
| T 24 | 8 29 | 2 24 | 1n 4 | 11 47 | 1 47 | 17 11 | 4 9 | 5 49 | 0 55 | 16 48 | 0 42 | 18 31 | 1 13 | 14 5 | 0 42 | 2 35 | 1 42 | 0 45 | 15 19 | 7 55 | 7 58 | 10 14 | 12 9 | 7 8 |
| F 25 | 8 7 | 3n19 | 2 7 | 11 4 | 1 46 | 17 11 | 4 2 | 5 34 | 0 54 | 16 45 | 0 42 | 18 32 | 1 13 | 14 4 | 0 42 | 2 35 | 1 42 | 0 45 | 15 20 | 7 55 | 7 59 | 10 17 | 12 9 | 7 8 |
| S 26 | 7 45 | 8 53 | 3 4 | 10 20 | 1 45 | 17 9 | 3 55 | 5 18 | 0 54 | 16 41 | 0 42 | 18 33 | 1 13 | 14 3 | 0 42 | 2 34 | 1 42 | 0 45 | 15 20 | 7 55 | 8 0 | 10 20 | 12 10 | 7 7 |
| S 27 | 7 23 | 14 6 | 3 53 | 9 35 | 1 42 | 17 8 | 3 48 | 5 3 | 0 53 | 16 37 | 0 42 | 18 34 | 1 13 | 14 2 | 0 42 | 2 34 | 1 42 | 0 44 | 15 20 | 7 55 | 8 1 | 10 24 | 12 11 | 7 7 |
| M28 | 7 0 | 18 50 | 4 33 | 8 49 | 1 40 | 17 6 | 3 41 | 4 47 | 0 53 | 16 34 | 0 42 | 18 35 | 1 13 | 14 0 | 0 42 | 2 33 | 1 42 | 0 44 | 15 20 | 7 55 | 8 3 | 10 27 | 12 12 | 7 7 |
| T 29 | 6 38 | 22 51 | 5 0 | 8 3 | 1 37 | 17 4 | 3 34 | 4 31 | 0 53 | 16 30 | 0 42 | 18 36 | 1 13 | 13 59 | 0 42 | 2 32 | 1 42 | 0 43 | 15 21 | 7 55 | 8 4 | 10 30 | 12 13 | 7 6 |
| W30 | 6 15 | 25 58 | 5 15 | 7 17 | 1 33 | 17 1 | 3 27 | 4 15 | 0 52 | 16 26 | 0 43 | 18 37 | 1 13 | 13 58 | 0 42 | 2 32 | 1 42 | 0 43 | 15 21 | 7 55 | 8 5 | 10 33 | 12 14 | 7 6 |
| T 31 | 5n53 | 27n56 | 5n16 | 6n30 | 1n29 | 16n58 | 3s20 | 4n 0 | 0n52 | 16n23 | 0n43 | 18s38 | 1s13 | 13n57 | 0n42 | 2n31 | 1s42 | 0n43 | 15s21 | 7s55 | 8s 6 | 10n36 | 12s15 | 7n 6 |

Julian Day Number = 2223123.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°00'59, Lahiri = 15°07'59 Julian Calendar 1 Aug. 1374 == Greg. Calendar 9 Aug. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## SEPTEMBER 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 11 57 | 16♍ 6'48 | 27♊46 | 18♍50 | 0♌53 | 22♍37 | 17♌31 | 11°R14 | 24♌54 | 10°R15 | 11°R31 | 9♓48 | 9♓16 | 19♈20 | 4°R45 | F 1 |
| S 2 | 23 15 53 | 17° 5'26 | 10♋42 | 20°38 | 1°43 | 23°16 | 17°43 | 11♒11 | 24°58 | 10♈14 | 11♉30 | 9°49 | 9°13 | 19°27 | 4♒43 | S 2 |
| S 3 | 23 19 50 | 18° 4'06 | 24° 2 | 22°25 | 2°35 | 23°55 | 17°55 | 11° 8 | 25° 1 | 10°12 | 11°29 | 9°50 | 9° 9 | 19°33 | 4°41 | S 3 |
| M 4 | 23 23 46 | 19° 2'49 | 7♌48 | 24°11 | 3°27 | 24°34 | 18° 7 | 11° 5 | 25° 5 | 10°11 | 11°29 | 9°50 | 9° 6 | 19°40 | 4°39 | M 4 |
| T 5 | 23 27 43 | 20° 1'34 | 22° 0 | 25°56 | 4°20 | 25°13 | 18°19 | 11° 2 | 25° 8 | 10° 9 | 11°28 | 9°51 | 9° 3 | 19°47 | 4°37 | T 5 |
| W 6 | 23 31 40 | 21° 0'21 | 6♍36 | 27°40 | 5°13 | 25°52 | 18°31 | 10°59 | 25°12 | 10° 8 | 11°28 | 9°R51 | 9° 0 | 19°54 | 4°35 | W 6 |
| T 7 | 23 35 36 | 21°59'09 | 21°30 | 29°23 | 6° 7 | 26°31 | 18°43 | 10°56 | 25°15 | 10° 6 | 11°27 | 9°51 | 8°57 | 20° 0 | 4°33 | T 7 |
| F 8 | 23 39 33 | 22°58'00 | 6♎34 | 1♎ 5 | 7° 2 | 27°10 | 18°55 | 10°53 | 25°19 | 10° 5 | 11°26 | 9°50 | 8°54 | 20° 7 | 4°31 | F 8 |
| S 9 | 23 43 29 | 23°56'53 | 21°39 | 2°46 | 7°57 | 27°49 | 19° 7 | 10°50 | 25°22 | 10° 3 | 11°25 | 9°49 | 8°50 | 20°14 | 4°30 | S 9 |
| S 10 | 23 47 26 | 24°55'48 | 6♏36 | 4°26 | 8°52 | 28°29 | 19°19 | 10°48 | 25°26 | 10° 1 | 11°25 | 9°47 | 8°47 | 20°20 | 4°28 | S 10 |
| M11 | 23 51 22 | 25°54'45 | 21°18 | 6° 5 | 9°49 | 29° 8 | 19°31 | 10°45 | 25°29 | 10° 0 | 11°24 | 9°45 | 8°44 | 20°27 | 4°26 | M11 |
| T 12 | 23 55 19 | 26°53'43 | 5♐40 | 7°44 | 10°45 | 29°47 | 19°43 | 10°43 | 25°32 | 9°58 | 11°23 | 9°44 | 8°41 | 20°34 | 4°25 | T 12 |
| W13 | 23 59 15 | 27°52'44 | 19°37 | 9°21 | 11°43 | 0♎27 | 19°54 | 10°40 | 25°36 | 9°56 | 11°23 | 9°43 | 8°38 | 20°40 | 4°23 | W13 |
| T 14 | 0 3 12 | 28°51'46 | 3♑11 | 10°58 | 12°40 | 1° 6 | 20° 6 | 10°38 | 25°39 | 9°55 | 11°22 | 9°D43 | 8°35 | 20°47 | 4°22 | T 14 |
| F 15 | 0 7 9 | 29°50'49 | 16°22 | 12°34 | 13°39 | 1°45 | 20°17 | 10°36 | 25°42 | 9°53 | 11°21 | 9°43 | 8°31 | 20°54 | 4°21 | F 15 |
| S 16 | 0 11 5 | 0♎49'55 | 29°14 | 14° 8 | 14°37 | 2°25 | 20°29 | 10°34 | 25°46 | 9°52 | 11°20 | 9°45 | 8°28 | 21° 0 | 4°19 | S 16 |
| S 17 | 0 15 2 | 1°49'02 | 11♒48 | 15°43 | 15°37 | 3° 4 | 20°40 | 10°32 | 25°49 | 9°50 | 11°19 | 9°46 | 8°25 | 21° 7 | 4°18 | S 17 |
| M18 | 0 18 58 | 2°48'12 | 24° 8 | 17°16 | 16°36 | 3°44 | 20°52 | 10°30 | 25°52 | 9°48 | 11°18 | 9°48 | 8°22 | 21°14 | 4°17 | M18 |
| T 19 | 0 22 55 | 3°47'23 | 6♓17 | 18°48 | 17°36 | 4°23 | 21° 3 | 10°28 | 25°55 | 9°47 | 11°18 | 9°R48 | 8°19 | 21°20 | 4°16 | T 19 |
| W20 | 0 26 51 | 4°46'36 | 18°18 | 20°20 | 18°37 | 5° 3 | 21°14 | 10°27 | 25°58 | 9°45 | 11°17 | 9°48 | 8°15 | 21°27 | 4°15 | W20 |
| T 21 | 0 30 48 | 5°45'50 | 0♈14 | 21°51 | 19°38 | 5°43 | 21°25 | 10°25 | 26° 1 | 9°43 | 11°16 | 9°47 | 8°12 | 21°34 | 4°14 | T 21 |
| F 22 | 0 34 44 | 6°45'07 | 12° 6 | 23°21 | 20°39 | 6°22 | 21°36 | 10°23 | 26° 4 | 9°42 | 11°15 | 9°44 | 8° 9 | 21°40 | 4°13 | F 22 |
| S 23 | 0 38 41 | 7°44'27 | 23°56 | 24°50 | 21°41 | 7° 2 | 21°47 | 10°22 | 26° 7 | 9°40 | 11°14 | 9°40 | 8° 6 | 21°47 | 4°12 | S 23 |
| S 24 | 0 42 38 | 8°43'48 | 5♉46 | 26°19 | 22°43 | 7°42 | 21°58 | 10°21 | 26°10 | 9°38 | 11°13 | 9°34 | 8° 3 | 21°54 | 4°11 | S 24 |
| M25 | 0 46 34 | 9°43'11 | 17°38 | 27°47 | 23°45 | 8°21 | 22° 9 | 10°19 | 26°13 | 9°37 | 11°12 | 9°29 | 8° 0 | 22° 0 | 4°10 | M25 |
| T 26 | 0 50 31 | 10°42'37 | 29°36 | 29°14 | 24°48 | 9° 1 | 22°19 | 10°18 | 26°16 | 9°35 | 11°11 | 9°24 | 7°56 | 22° 7 | 4°10 | T 26 |
| W27 | 0 54 27 | 11°42'05 | 11♊40 | 0♏40 | 25°51 | 9°41 | 22°30 | 10°17 | 26°19 | 9°33 | 11°10 | 9°19 | 7°53 | 22°14 | 4° 9 | W27 |
| T 28 | 0 58 24 | 12°41'35 | 23°56 | 2° 5 | 26°54 | 10°21 | 22°40 | 10°16 | 26°22 | 9°32 | 11° 9 | 9°16 | 7°50 | 22°21 | 4° 9 | T 28 |
| F 29 | 1 2 20 | 13°41'08 | 6♋27 | 3°30 | 27°58 | 11° 1 | 22°51 | 10°15 | 26°25 | 9°30 | 11° 8 | 9°15 | 7°47 | 22°27 | 4° 8 | F 29 |
| S 30 | 1 6 17 | 14♎40'43 | 19♋16 | 4♏53 | 29♌ 2 | 11♎41 | 23♌ 1 | 10♒15 | 26♌28 | 9♈28 | 11♉ 7 | 9°D14 | 7♓44 | 22♈34 | 4♒ 8 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n30 | 28n32 | 5n 2 | 5n44 | 1n24 | 16n54 | 3s12 | 3n44 | 0n52 | 16n19 | 0n43 | 18s39 | 1s13 | 13n56 | 0n42 | 2n31 | 1s42 | 0n42 | 15s21 | 7s55 | 8s 7 | 10n40 | 12s15 | 7n 5 |
| S 2 | 5 7 | 27 37 | 4 32 | 4 57 | 1 20 | 16 50 | 3 5 | 3 28 | 0 51 | 16 15 | 0 43 | 18 39 | 1 14 | 13 54 | 0 42 | 2 30 | 1 42 | 0 42 | 15 21 | 7 55 | 8 9 | 10 43 | 12 16 | 7 5 |
| S 3 | 4 44 | 25 7 | 3 48 | 4 10 | 1 15 | 16 45 | 2 59 | 3 12 | 0 51 | 16 12 | 0 43 | 18 40 | 1 13 | 13 53 | 0 42 | 2 29 | 1 42 | 0 41 | 15 22 | 7 55 | 8 10 | 10 46 | 12 17 | 7 5 |
| M 4 | 4 21 | 21 6 | 2 49 | 3 23 | 1 9 | 16 40 | 2 52 | 2 56 | 0 50 | 16 8 | 0 43 | 18 41 | 1 13 | 13 52 | 0 42 | 2 29 | 1 42 | 0 41 | 15 22 | 7 54 | 8 11 | 10 49 | 12 18 | 7 4 |
| T 5 | 3 58 | 15 45 | 1 37 | 2 36 | 1 4 | 16 35 | 2 45 | 2 40 | 0 50 | 16 5 | 0 43 | 18 42 | 1 13 | 13 51 | 0 42 | 2 28 | 1 42 | 0 41 | 15 22 | 7 54 | 8 12 | 10 52 | 12 19 | 7 4 |
| W 6 | 3 35 | 9 24 | 0 18 | 1 49 | 0 58 | 16 29 | 2 38 | 2 24 | 0 50 | 16 1 | 0 43 | 18 43 | 1 13 | 13 50 | 0 42 | 2 27 | 1 42 | 0 40 | 15 22 | 7 54 | 8 13 | 10 55 | 12 20 | 7 3 |
| T 7 | 3 11 | 2 24 | 1s 4 | 1 2 | 0 52 | 16 22 | 2 31 | 2 8 | 0 49 | 15 57 | 0 44 | 18 44 | 1 13 | 13 49 | 0 42 | 2 27 | 1 42 | 0 40 | 15 23 | 7 54 | 8 15 | 10 59 | 12 20 | 7 3 |
| F 8 | 2 48 | 4s48 | 2 23 | 0 16 | 0 46 | 16 15 | 2 24 | 1 52 | 0 49 | 15 54 | 0 44 | 18 44 | 1 13 | 13 47 | 0 42 | 2 26 | 1 42 | 0 39 | 15 23 | 7 54 | 8 16 | 11 2 | 12 21 | 7 3 |
| S 9 | 2 25 | 11 44 | 3 31 | 0s30 | 0 39 | 16 8 | 2 17 | 1 36 | 0 48 | 15 50 | 0 44 | 18 45 | 1 13 | 13 46 | 0 42 | 2 26 | 1 42 | 0 39 | 15 23 | 7 55 | 8 17 | 11 5 | 12 22 | 7 2 |
| S 10 | 2 1 | 17 56 | 4 25 | 1 16 | 0 33 | 16 0 | 2 11 | 1 20 | 0 48 | 15 47 | 0 44 | 18 46 | 1 13 | 13 45 | 0 42 | 2 25 | 1 42 | 0 39 | 15 23 | 7 56 | 8 18 | 11 8 | 12 23 | 7 2 |
| M11 | 1 38 | 22 58 | 5 0 | 2 2 | 0 26 | 15 52 | 2 4 | 1 4 | 0 48 | 15 43 | 0 44 | 18 47 | 1 13 | 13 44 | 0 42 | 2 24 | 1 42 | 0 38 | 15 23 | 7 56 | 8 19 | 11 11 | 12 23 | 7 1 |
| T 12 | 1 14 | 26 29 | 5 15 | 2 47 | 0 19 | 15 43 | 1 58 | 0 48 | 0 47 | 15 39 | 0 44 | 18 47 | 1 13 | 13 43 | 0 42 | 2 24 | 1 42 | 0 38 | 15 24 | 7 57 | 8 21 | 11 14 | 12 24 | 7 1 |
| W13 | 0 51 | 28 17 | 5 11 | 3 32 | 0 12 | 15 33 | 1 51 | 0 32 | 0 47 | 15 36 | 0 44 | 18 48 | 1 13 | 13 42 | 0 42 | 2 23 | 1 42 | 0 37 | 15 24 | 7 57 | 8 22 | 11 18 | 12 25 | 7 1 |
| T 14 | 0 27 | 28 19 | 4 50 | 4 16 | 0 6 | 15 23 | 1 45 | 0 16 | 0 46 | 15 32 | 0 45 | 18 48 | 1 13 | 13 41 | 0 42 | 2 22 | 1 42 | 0 37 | 15 24 | 7 57 | 8 23 | 11 21 | 12 26 | 7 0 |
| F 15 | 0 4 | 26 43 | 4 14 | 5 0 | 0s 1 | 15 13 | 1 38 | 0 0 | 0 46 | 15 29 | 0 45 | 18 49 | 1 13 | 13 40 | 0 42 | 2 22 | 1 42 | 0 37 | 15 24 | 7 57 | 8 24 | 11 24 | 12 26 | 7 0 |
| S 16 | 0s20 | 23 44 | 3 25 | 5 44 | 0 9 | 15 2 | 1 32 | 0s16 | 0 46 | 15 25 | 0 45 | 18 49 | 1 13 | 13 39 | 0 42 | 2 21 | 1 42 | 0 36 | 15 24 | 7 57 | 8 25 | 11 27 | 12 27 | 6 59 |
| S 17 | 0 44 | 19 41 | 2 28 | 6 27 | 0 16 | 14 51 | 1 26 | 0 32 | 0 45 | 15 22 | 0 45 | 18 50 | 1 13 | 13 37 | 0 42 | 2 20 | 1 42 | 0 36 | 15 25 | 7 56 | 8 27 | 11 30 | 12 28 | 6 59 |
| M18 | 1 7 | 14 52 | 1 25 | 7 9 | 0 23 | 14 39 | 1 19 | 0 48 | 0 45 | 15 18 | 0 45 | 18 51 | 1 13 | 13 36 | 0 42 | 2 20 | 1 43 | 0 35 | 15 25 | 7 55 | 8 28 | 11 33 | 12 29 | 6 58 |
| T 19 | 1 31 | 9 32 | 0 19 | 7 51 | 0 30 | 14 27 | 1 13 | 1 4 | 0 44 | 15 15 | 0 45 | 18 51 | 1 13 | 13 35 | 0 42 | 2 19 | 1 43 | 0 35 | 15 25 | 7 55 | 8 29 | 11 36 | 12 29 | 6 58 |
| W20 | 1 54 | 3 56 | 0n47 | 8 33 | 0 37 | 14 14 | 1 7 | 1 21 | 0 44 | 15 11 | 0 45 | 18 51 | 1 13 | 13 34 | 0 42 | 2 18 | 1 43 | 0 35 | 15 25 | 7 55 | 8 30 | 11 40 | 12 30 | 6 58 |
| T 21 | 2 18 | 1n46 | 1 50 | 9 13 | 0 44 | 14 1 | 1 1 | 1 37 | 0 43 | 15 8 | 0 46 | 18 52 | 1 13 | 13 33 | 0 42 | 2 18 | 1 43 | 0 34 | 15 25 | 7 56 | 8 31 | 11 43 | 12 31 | 6 57 |
| F 22 | 2 41 | 7 22 | 2 48 | 9 54 | 0 51 | 13 47 | 0 55 | 1 53 | 0 43 | 15 5 | 0 46 | 18 52 | 1 13 | 13 32 | 0 43 | 2 17 | 1 43 | 0 34 | 15 26 | 7 57 | 8 33 | 11 46 | 12 31 | 6 57 |
| S 23 | 3 5 | 12 42 | 3 39 | 10 33 | 0 58 | 13 33 | 0 49 | 2 9 | 0 43 | 15 1 | 0 46 | 18 53 | 1 13 | 13 31 | 0 43 | 2 16 | 1 43 | 0 33 | 15 26 | 7 58 | 8 34 | 11 49 | 12 32 | 6 56 |
| S 24 | 3 28 | 17 34 | 4 20 | 11 12 | 1 5 | 13 18 | 0 44 | 2 25 | 0 42 | 14 58 | 0 46 | 18 53 | 1 13 | 13 30 | 0 43 | 2 16 | 1 43 | 0 33 | 15 26 | 8 0 | 8 35 | 11 52 | 12 32 | 6 56 |
| M25 | 3 52 | 21 47 | 4 50 | 11 50 | 1 12 | 13 3 | 0 38 | 2 41 | 0 42 | 14 54 | 0 46 | 18 53 | 1 13 | 13 29 | 0 43 | 2 15 | 1 43 | 0 32 | 15 26 | 8 2 | 8 36 | 11 55 | 12 33 | 6 55 |
| T 26 | 4 15 | 25 8 | 5 7 | 12 28 | 1 19 | 12 48 | 0 32 | 2 57 | 0 41 | 14 51 | 0 46 | 18 53 | 1 13 | 13 28 | 0 43 | 2 14 | 1 43 | 0 32 | 15 26 | 8 4 | 8 37 | 11 58 | 12 34 | 6 55 |
| W27 | 4 39 | 27 24 | 5 12 | 13 5 | 1 26 | 12 32 | 0 27 | 3 14 | 0 41 | 14 48 | 0 47 | 18 54 | 1 13 | 13 27 | 0 43 | 2 14 | 1 43 | 0 32 | 15 26 | 8 6 | 8 38 | 12 1 | 12 34 | 6 54 |
| T 28 | 5 2 | 28 25 | 5 2 | 13 41 | 1 32 | 12 15 | 0 21 | 3 30 | 0 40 | 14 45 | 0 47 | 18 54 | 1 13 | 13 26 | 0 43 | 2 13 | 1 43 | 0 31 | 15 26 | 8 7 | 8 40 | 12 4 | 12 35 | 6 54 |
| F 29 | 5 25 | 27 59 | 4 38 | 14 16 | 1 39 | 11 58 | 0 16 | 3 46 | 0 40 | 14 41 | 0 47 | 18 54 | 1 13 | 13 25 | 0 43 | 2 12 | 1 43 | 0 31 | 15 27 | 8 8 | 8 41 | 12 8 | 12 35 | 6 53 |
| S 30 | 5s48 | 26n 5 | 3n59 | 14s51 | 1s45 | 11n41 | 0s11 | 4s 2 | 0n39 | 14n38 | 0n47 | 18s54 | 1s13 | 13n24 | 0n43 | 2n12 | 1s43 | 0n30 | 15s27 | 8s 8 | 8s42 | 12n11 | 12s36 | 6n53 |

Julian Day Number = 2223154.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'03, Lahiri = 15°08'04 Julian Calendar 1 Sept. 1374 == Greg. Calendar 9 Sept. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## OCTOBER 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 10 13 | 15♎40'21 | 2♌28 | 6♏16 | 0♍ 6 | 12♎21 | 23♌11 | 10°R14 | 26♌31 | 9°R27 | 11°R 6 | 9♓15 | 7♓40 | 22♈41 | 4°R 7 | S 1 |
| M 2 | 1 14 10 | 16°40'00 | 16° 5 | 7°38 | 1°11 | 13° 1 | 23°22 | 10♒14 | 26°33 | 9♈25 | 11♉ 5 | 9°17 | 7°37 | 22°47 | 4♒ 7 | M 2 |
| T 3 | 1 18 7 | 17°39'42 | 0♍ 9 | 8°58 | 2°16 | 13°41 | 23°32 | 10°13 | 26°36 | 9°23 | 11° 4 | 9°18 | 7°34 | 22°54 | 4° 7 | T 3 |
| W 4 | 1 22 3 | 18°39'26 | 14°40 | 10°18 | 3°21 | 14°21 | 23°42 | 10°13 | 26°39 | 9°22 | 11° 3 | 9°R18 | 7°31 | 23° 1 | 4° 7 | W 4 |
| T 5 | 1 26 0 | 19°39'12 | 29°34 | 11°36 | 4°27 | 15° 1 | 23°52 | 10°13 | 26°41 | 9°20 | 11° 2 | 9°17 | 7°28 | 23° 7 | 4° 7 | T 5 |
| F 6 | 1 29 56 | 20°39'01 | 14♎44 | 12°54 | 5°33 | 15°41 | 24° 1 | 10°12 | 26°44 | 9°18 | 11° 1 | 9°13 | 7°25 | 23°14 | 4°D 7 | F 6 |
| S 7 | 1 33 53 | 21°38'51 | 0♏ 2 | 14°10 | 6°39 | 16°21 | 24°11 | 10°D12 | 26°46 | 9°17 | 11° 0 | 9° 8 | 7°21 | 23°21 | 4° 7 | S 7 |
| S 8 | 1 37 49 | 22°38'44 | 15°15 | 15°24 | 7°45 | 17° 2 | 24°20 | 10°12 | 26°49 | 9°15 | 10°59 | 9° 1 | 7°18 | 23°27 | 4° 7 | S 8 |
| M 9 | 1 41 46 | 23°38'38 | 0♐15 | 16°37 | 8°51 | 17°42 | 24°30 | 10°13 | 26°51 | 9°13 | 10°58 | 8°54 | 7°15 | 23°34 | 4° 7 | M 9 |
| T 10 | 1 45 42 | 24°38'34 | 14°52 | 17°48 | 9°58 | 18°22 | 24°39 | 10°13 | 26°54 | 9°12 | 10°57 | 8°48 | 7°12 | 23°41 | 4° 7 | T 10 |
| W11 | 1 49 39 | 25°38'32 | 29° 1 | 18°57 | 11° 5 | 19° 2 | 24°49 | 10°13 | 26°56 | 9°10 | 10°56 | 8°43 | 7° 9 | 23°47 | 4° 8 | W11 |
| T 12 | 1 53 36 | 26°38'32 | 12♑41 | 20° 5 | 12°12 | 19°43 | 24°58 | 10°14 | 26°59 | 9° 9 | 10°55 | 8°40 | 7° 6 | 23°54 | 4° 8 | T 12 |
| F 13 | 1 57 32 | 27°38'33 | 25°54 | 21° 9 | 13°20 | 20°23 | 25° 7 | 10°14 | 27° 1 | 9° 7 | 10°54 | 8°D39 | 7° 2 | 24° 1 | 4° 9 | F 13 |
| S 14 | 2 1 29 | 28°38'36 | 8♒42 | 22°12 | 14°27 | 21° 4 | 25°16 | 10°15 | 27° 3 | 9° 5 | 10°53 | 8°40 | 6°59 | 24° 7 | 4° 9 | S 14 |
| S 15 | 2 5 25 | 29°38'40 | 21° 9 | 23°11 | 15°35 | 21°44 | 25°24 | 10°16 | 27° 5 | 9° 4 | 10°52 | 8°41 | 6°56 | 24°14 | 4°10 | S 15 |
| M16 | 2 9 22 | 0♏38'46 | 3♓21 | 24° 7 | 16°43 | 22°25 | 25°33 | 10°17 | 27° 7 | 9° 2 | 10°51 | 8°R42 | 6°53 | 24°21 | 4°10 | M16 |
| T 17 | 2 13 18 | 1°38'54 | 15°21 | 25° 0 | 17°52 | 23° 5 | 25°42 | 10°18 | 27°10 | 9° 1 | 10°49 | 8°42 | 6°50 | 24°28 | 4°11 | T 17 |
| W18 | 2 17 15 | 2°39'03 | 27°15 | 25°49 | 19° 0 | 23°46 | 25°50 | 10°19 | 27°12 | 8°59 | 10°48 | 8°40 | 6°46 | 24°34 | 4°12 | W18 |
| T 19 | 2 21 11 | 3°39'14 | 9♈ 5 | 26°33 | 20° 9 | 24°26 | 25°58 | 10°20 | 27°14 | 8°58 | 10°47 | 8°35 | 6°43 | 24°41 | 4°13 | T 19 |
| F 20 | 2 25 8 | 4°39'26 | 20°54 | 27°12 | 21°17 | 25° 7 | 26° 6 | 10°22 | 27°16 | 8°56 | 10°46 | 8°28 | 6°40 | 24°48 | 4°14 | F 20 |
| S 21 | 2 29 4 | 5°39'41 | 2♉45 | 27°46 | 22°26 | 25°48 | 26°14 | 10°23 | 27°18 | 8°55 | 10°45 | 8°19 | 6°37 | 24°54 | 4°15 | S 21 |
| S 22 | 2 33 1 | 6°39'57 | 14°39 | 28°13 | 23°36 | 26°29 | 26°22 | 10°24 | 27°19 | 8°53 | 10°44 | 8° 8 | 6°34 | 25° 1 | 4°16 | S 22 |
| M23 | 2 36 58 | 7°40'15 | 26°38 | 28°34 | 24°45 | 27° 9 | 26°30 | 10°26 | 27°21 | 8°52 | 10°43 | 7°56 | 6°31 | 25° 8 | 4°17 | M23 |
| T 24 | 2 40 54 | 8°40'34 | 8♊43 | 28°47 | 25°54 | 27°50 | 26°38 | 10°28 | 27°23 | 8°51 | 10°42 | 7°44 | 6°27 | 25°14 | 4°18 | T 24 |
| W25 | 2 44 51 | 9°40'56 | 20°55 | 28°R52 | 27° 4 | 28°31 | 26°45 | 10°30 | 27°25 | 8°49 | 10°40 | 7°34 | 6°24 | 25°21 | 4°19 | W25 |
| T 26 | 2 48 47 | 10°41'20 | 3♋16 | 28°48 | 28°14 | 29°12 | 26°53 | 10°32 | 27°26 | 8°48 | 10°39 | 7°26 | 6°21 | 25°28 | 4°21 | T 26 |
| F 27 | 2 52 44 | 11°41'45 | 15°49 | 28°35 | 29°24 | 29°53 | 27° 0 | 10°34 | 27°28 | 8°46 | 10°38 | 7°20 | 6°18 | 25°34 | 4°22 | F 27 |
| S 28 | 2 56 40 | 12°42'13 | 28°37 | 28°11 | 0♎34 | 0♏34 | 27° 7 | 10°36 | 27°30 | 8°45 | 10°37 | 7°17 | 6°15 | 25°41 | 4°24 | S 28 |
| S 29 | 3 0 37 | 13°42'42 | 11♌43 | 27°38 | 1°44 | 1°15 | 27°14 | 10°38 | 27°31 | 8°44 | 10°36 | 7°D16 | 6°12 | 25°48 | 4°25 | S 29 |
| M30 | 3 4 34 | 14°43'13 | 25°10 | 26°54 | 2°55 | 1°56 | 27°21 | 10°40 | 27°33 | 8°43 | 10°35 | 7°16 | 6° 8 | 25°55 | 4°27 | M30 |
| T 31 | 3 8 30 | 15♏43'46 | 9♍ 1 | 26♏ 0 | 4♎ 5 | 2♏37 | 27♌27 | 10♒43 | 27♌34 | 8♈41 | 10♉34 | 7°R16 | 6♓ 5 | 26♈ 1 | 4♒28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s11 | 22n43 | 3n 7 | 15s25 | 1s52 | 11n23 | 0s 6 | 4s18 | 0n39 | 14n35 | 0n47 | 18s54 | 1s13 | 13n24 | 0n43 | 2n11 | 1s43 | 0n30 | 15s27 | 8s 8 | 8s43 | 12n14 | 12s36 | 6n52 |
| M 2 | 6 34 | 18 2 | 2 3 | 15 57 | 1 58 | 11 5 | 0 0 | 4 34 | 0 38 | 14 32 | 0 48 | 18 55 | 1 13 | 13 23 | 0 43 | 2 10 | 1 43 | 0 30 | 15 27 | 8 7 | 8 44 | 12 17 | 12 37 | 6 52 |
| T 3 | 6 57 | 12 14 | 0 50 | 16 29 | 2 3 | 10 46 | 0n 5 | 4 50 | 0 38 | 14 28 | 0 48 | 18 55 | 1 13 | 13 22 | 0 43 | 2 10 | 1 43 | 0 29 | 15 27 | 8 7 | 8 46 | 12 20 | 12 38 | 6 52 |
| W 4 | 7 20 | 5 37 | 0s29 | 17 0 | 2 9 | 10 27 | 0 9 | 5 6 | 0 38 | 14 25 | 0 48 | 18 55 | 1 13 | 13 21 | 0 43 | 2 9 | 1 43 | 0 29 | 15 27 | 8 7 | 8 47 | 12 23 | 12 38 | 6 51 |
| T 5 | 7 43 | 1s28 | 1 48 | 17 30 | 2 15 | 10 8 | 0 14 | 5 22 | 0 37 | 14 22 | 0 48 | 18 55 | 1 13 | 13 20 | 0 43 | 2 8 | 1 43 | 0 28 | 15 27 | 8 7 | 8 48 | 12 26 | 12 38 | 6 51 |
| F 6 | 8 5 | 8 36 | 3 0 | 17 59 | 2 20 | 9 48 | 0 19 | 5 38 | 0 37 | 14 19 | 0 48 | 18 55 | 1 13 | 13 19 | 0 43 | 2 8 | 1 43 | 0 28 | 15 27 | 8 8 | 8 49 | 12 29 | 12 39 | 6 50 |
| S 7 | 8 28 | 15 16 | 4 0 | 18 27 | 2 25 | 9 28 | 0 24 | 5 54 | 0 36 | 14 16 | 0 48 | 18 55 | 1 13 | 13 18 | 0 43 | 2 7 | 1 43 | 0 28 | 15 27 | 8 10 | 8 50 | 12 32 | 12 39 | 6 50 |
| S 8 | 8 50 | 20 58 | 4 43 | 18 53 | 2 29 | 9 8 | 0 28 | 6 10 | 0 36 | 14 13 | 0 49 | 18 55 | 1 12 | 13 17 | 0 43 | 2 6 | 1 43 | 0 27 | 15 27 | 8 13 | 8 52 | 12 35 | 12 40 | 6 49 |
| M 9 | 9 13 | 25 14 | 5 5 | 19 19 | 2 34 | 8 47 | 0 32 | 6 26 | 0 35 | 14 10 | 0 49 | 18 54 | 1 12 | 13 17 | 0 43 | 2 6 | 1 43 | 0 27 | 15 27 | 8 15 | 8 53 | 12 38 | 12 40 | 6 49 |
| T 10 | 9 35 | 27 44 | 5 7 | 19 43 | 2 38 | 8 25 | 0 37 | 6 41 | 0 35 | 14 7 | 0 49 | 18 54 | 1 12 | 13 16 | 0 43 | 2 5 | 1 43 | 0 27 | 15 28 | 8 18 | 8 54 | 12 41 | 12 41 | 6 48 |
| W11 | 9 57 | 28 21 | 4 50 | 20 6 | 2 41 | 8 4 | 0 41 | 6 57 | 0 34 | 14 4 | 0 49 | 18 54 | 1 12 | 13 15 | 0 43 | 2 5 | 1 42 | 0 26 | 15 28 | 8 20 | 8 55 | 12 45 | 12 41 | 6 48 |
| T 12 | 10 19 | 27 10 | 4 16 | 20 28 | 2 45 | 7 42 | 0 45 | 7 13 | 0 34 | 14 1 | 0 49 | 18 54 | 1 12 | 13 14 | 0 43 | 2 4 | 1 42 | 0 26 | 15 28 | 8 21 | 8 56 | 12 48 | 12 41 | 6 47 |
| F 13 | 10 40 | 24 29 | 3 30 | 20 48 | 2 47 | 7 20 | 0 49 | 7 29 | 0 33 | 13 58 | 0 50 | 18 54 | 1 12 | 13 14 | 0 43 | 2 3 | 1 42 | 0 25 | 15 28 | 8 21 | 8 57 | 12 51 | 12 42 | 6 47 |
| S 14 | 11 2 | 20 38 | 2 35 | 21 6 | 2 49 | 6 57 | 0 53 | 7 44 | 0 33 | 13 56 | 0 50 | 18 54 | 1 12 | 13 13 | 0 43 | 2 3 | 1 42 | 0 25 | 15 28 | 8 21 | 8 59 | 12 54 | 12 42 | 6 46 |
| S 15 | 11 23 | 15 58 | 1 33 | 21 23 | 2 51 | 6 34 | 0 57 | 8 0 | 0 32 | 13 53 | 0 50 | 18 53 | 1 12 | 13 12 | 0 43 | 2 2 | 1 42 | 0 25 | 15 28 | 8 21 | 9 0 | 12 57 | 12 42 | 6 46 |
| M16 | 11 44 | 10 46 | 0 29 | 21 39 | 2 52 | 6 11 | 1 1 | 8 16 | 0 32 | 13 50 | 0 50 | 18 53 | 1 12 | 13 11 | 0 43 | 2 2 | 1 42 | 0 24 | 15 28 | 8 20 | 9 1 | 13 0 | 12 43 | 6 45 |
| T 17 | 12 5 | 5 15 | 0n36 | 21 52 | 2 52 | 5 48 | 1 4 | 8 31 | 0 31 | 13 47 | 0 50 | 18 53 | 1 12 | 13 11 | 0 43 | 2 1 | 1 42 | 0 24 | 15 28 | 8 20 | 9 2 | 13 3 | 12 43 | 6 45 |
| W18 | 12 26 | 0n24 | 1 38 | 22 4 | 2 52 | 5 24 | 1 8 | 8 47 | 0 31 | 13 45 | 0 51 | 18 52 | 1 12 | 13 10 | 0 43 | 2 0 | 1 42 | 0 24 | 15 28 | 8 21 | 9 3 | 13 6 | 12 43 | 6 44 |
| T 19 | 12 47 | 6 0 | 2 35 | 22 13 | 2 51 | 5 0 | 1 11 | 9 2 | 0 30 | 13 42 | 0 51 | 18 52 | 1 12 | 13 9 | 0 43 | 2 0 | 1 42 | 0 23 | 15 28 | 8 23 | 9 5 | 13 9 | 12 44 | 6 44 |
| F 20 | 13 7 | 11 22 | 3 26 | 22 20 | 2 49 | 4 36 | 1 14 | 9 17 | 0 30 | 13 40 | 0 51 | 18 52 | 1 12 | 13 9 | 0 43 | 1 59 | 1 42 | 0 23 | 15 28 | 8 25 | 9 6 | 13 12 | 12 44 | 6 43 |
| S 21 | 13 27 | 16 21 | 4 8 | 22 25 | 2 45 | 4 12 | 1 18 | 9 33 | 0 29 | 13 37 | 0 51 | 18 51 | 1 12 | 13 8 | 0 44 | 1 59 | 1 42 | 0 23 | 15 28 | 8 29 | 9 7 | 13 15 | 12 44 | 6 43 |
| S 22 | 13 47 | 20 43 | 4 39 | 22 27 | 2 41 | 3 47 | 1 21 | 9 48 | 0 29 | 13 35 | 0 51 | 18 51 | 1 12 | 13 8 | 0 44 | 1 58 | 1 42 | 0 22 | 15 28 | 8 33 | 9 8 | 13 18 | 12 44 | 6 42 |
| M23 | 14 7 | 24 17 | 4 57 | 22 27 | 2 36 | 3 22 | 1 24 | 10 3 | 0 28 | 13 32 | 0 52 | 18 50 | 1 12 | 13 7 | 0 44 | 1 58 | 1 42 | 0 22 | 15 28 | 8 37 | 9 9 | 13 21 | 12 45 | 6 42 |
| T 24 | 14 27 | 26 49 | 5 3 | 22 23 | 2 29 | 2 57 | 1 27 | 10 18 | 0 28 | 13 30 | 0 52 | 18 50 | 1 12 | 13 6 | 0 44 | 1 57 | 1 42 | 0 22 | 15 28 | 8 42 | 9 10 | 13 24 | 12 45 | 6 41 |
| W25 | 14 46 | 28 7 | 4 55 | 22 16 | 2 21 | 2 32 | 1 29 | 10 34 | 0 27 | 13 27 | 0 52 | 18 49 | 1 12 | 13 6 | 0 44 | 1 57 | 1 42 | 0 21 | 15 28 | 8 46 | 9 12 | 13 27 | 12 45 | 6 41 |
| T 26 | 15 5 | 28 2 | 4 33 | 22 6 | 2 12 | 2 7 | 1 32 | 10 49 | 0 27 | 13 25 | 0 52 | 18 48 | 1 12 | 13 5 | 0 44 | 1 56 | 1 42 | 0 21 | 15 28 | 8 49 | 9 13 | 13 30 | 12 45 | 6 41 |
| F 27 | 15 24 | 26 31 | 3 58 | 21 52 | 2 0 | 1 41 | 1 34 | 11 4 | 0 26 | 13 23 | 0 53 | 18 48 | 1 12 | 13 5 | 0 44 | 1 56 | 1 42 | 0 21 | 15 28 | 8 51 | 9 14 | 13 33 | 12 45 | 6 40 |
| S 28 | 15 42 | 23 37 | 3 10 | 21 35 | 1 48 | 1 15 | 1 37 | 11 18 | 0 26 | 13 20 | 0 53 | 18 47 | 1 12 | 13 4 | 0 44 | 1 55 | 1 42 | 0 20 | 15 28 | 8 52 | 9 15 | 13 36 | 12 45 | 6 40 |
| S 29 | 16 1 | 19 26 | 2 12 | 21 13 | 1 33 | 0 49 | 1 39 | 11 33 | 0 25 | 13 18 | 0 53 | 18 47 | 1 11 | 13 4 | 0 44 | 1 55 | 1 42 | 0 20 | 15 28 | 8 52 | 9 16 | 13 39 | 12 45 | 6 39 |
| M30 | 16 19 | 14 11 | 1 4 | 20 47 | 1 17 | 0 23 | 1 41 | 11 48 | 0 25 | 13 16 | 0 53 | 18 46 | 1 11 | 13 3 | 0 44 | 1 54 | 1 42 | 0 20 | 15 28 | 8 52 | 9 17 | 13 42 | 12 45 | 6 39 |
| T 31 | 16s36 | 8n 5 | 0s 9 | 20s18 | 1s 0 | 0s 3 | 1n44 | 12s 3 | 0n24 | 13n14 | 0n54 | 18s45 | 1s11 | 13n 3 | 0n44 | 1n54 | 1s42 | 0n20 | 15s28 | 8s52 | 9s19 | 13n45 | 12s46 | 6n38 |

Julian Day Number = 2223184.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'07, Lahiri = 15°08'08 Julian Calendar 1 Oct. 1374 == Greg. Calendar 9 Oct. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## NOVEMBER 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 12 27 | 16♏44'21 | 23♍16 | 24°R57 | 5♎16 | 3♏18 | 27♌34 | 10♒45 | 27♌35 | 8°R40 | 10°R33 | 7°R15 | 6♓ 2 | 26♈ 8 | 4♒30 | W 1 |
| T 2 | 3 16 23 | 17°44'57 | 7♎56 | 23♏46 | 6°27 | 3°59 | 27°40 | 10°48 | 27°37 | 8♈39 | 10♉31 | 7♓12 | 5°59 | 26°15 | 4°32 | T 2 |
| F 3 | 3 20 20 | 18°45'35 | 22°55 | 22°30 | 7°38 | 4°41 | 27°47 | 10°50 | 27°38 | 8°38 | 10°30 | 7° 6 | 5°56 | 26°21 | 4°34 | F 3 |
| S 4 | 3 24 16 | 19°46'15 | 8♏ 6 | 21° 9 | 8°49 | 5°22 | 27°53 | 10°53 | 27°39 | 8°36 | 10°29 | 6°58 | 5°52 | 26°28 | 4°36 | S 4 |
| S 5 | 3 28 13 | 20°46'57 | 23°19 | 19°47 | 10° 0 | 6° 3 | 27°58 | 10°56 | 27°40 | 8°35 | 10°28 | 6°47 | 5°49 | 26°35 | 4°38 | S 5 |
| M 6 | 3 32 9 | 21°47'40 | 8♐23 | 18°27 | 11°12 | 6°44 | 28° 4 | 10°59 | 27°41 | 8°34 | 10°27 | 6°36 | 5°46 | 26°41 | 4°40 | M 6 |
| T 7 | 3 36 6 | 22°48'24 | 23° 8 | 17°11 | 12°23 | 7°26 | 28°10 | 11° 2 | 27°43 | 8°33 | 10°26 | 6°25 | 5°43 | 26°48 | 4°42 | T 7 |
| W 8 | 3 40 3 | 23°49'10 | 7♑27 | 16° 2 | 13°35 | 8° 7 | 28°15 | 11° 5 | 27°44 | 8°32 | 10°25 | 6°16 | 5°40 | 26°55 | 4°44 | W 8 |
| T 9 | 3 43 59 | 24°49'57 | 21°16 | 15° 1 | 14°46 | 8°49 | 28°21 | 11° 9 | 27°44 | 8°31 | 10°24 | 6° 9 | 5°37 | 27° 1 | 4°46 | T 9 |
| F 10 | 3 47 56 | 25°50'44 | 4♒35 | 14°11 | 15°58 | 9°30 | 28°26 | 11°12 | 27°45 | 8°30 | 10°23 | 6° 5 | 5°33 | 27° 8 | 4°48 | F 10 |
| S 11 | 3 51 52 | 26°51'33 | 17°27 | 13°31 | 17°10 | 10°12 | 28°31 | 11°16 | 27°46 | 8°29 | 10°22 | 6° 4 | 5°30 | 27°15 | 4°51 | S 11 |
| S 12 | 3 55 49 | 27°52'23 | 29°56 | 13° 3 | 18°22 | 10°53 | 28°35 | 11°19 | 27°47 | 8°28 | 10°21 | 6° 4 | 5°27 | 27°22 | 4°53 | S 12 |
| M13 | 3 59 45 | 28°53'13 | 12♓ 6 | 12°47 | 19°34 | 11°35 | 28°40 | 11°23 | 27°48 | 8°27 | 10°19 | 6° 3 | 5°24 | 27°28 | 4°55 | M13 |
| T 14 | 4 3 42 | 29°54'04 | 24° 5 | 12°D42 | 20°46 | 12°17 | 28°44 | 11°26 | 27°48 | 8°26 | 10°18 | 6° 2 | 5°21 | 27°35 | 4°58 | T 14 |
| W15 | 4 7 38 | 0♗54'57 | 5♈56 | 12°47 | 21°58 | 12°58 | 28°49 | 11°30 | 27°49 | 8°25 | 10°17 | 5°59 | 5°18 | 27°42 | 5° 0 | W15 |
| T 16 | 4 11 35 | 1°55'50 | 17°44 | 13° 3 | 23°11 | 13°40 | 28°53 | 11°34 | 27°49 | 8°24 | 10°16 | 5°53 | 5°14 | 27°48 | 5° 3 | T 16 |
| F 17 | 4 15 32 | 2°56'44 | 29°34 | 13°27 | 24°23 | 14°22 | 28°57 | 11°38 | 27°50 | 8°24 | 10°15 | 5°45 | 5°11 | 27°55 | 5° 6 | F 17 |
| S 18 | 4 19 28 | 3°57'39 | 11♉28 | 14° 0 | 25°36 | 15° 3 | 29° 0 | 11°42 | 27°50 | 8°23 | 10°14 | 5°33 | 5° 8 | 28° 2 | 5° 8 | S 18 |
| S 19 | 4 23 25 | 4°58'35 | 23°28 | 14°39 | 26°48 | 15°45 | 29° 4 | 11°46 | 27°51 | 8°22 | 10°13 | 5°19 | 5° 5 | 28° 8 | 5°11 | S 19 |
| M20 | 4 27 21 | 5°59'32 | 5♊36 | 15°26 | 28° 1 | 16°27 | 29° 7 | 11°50 | 27°51 | 8°21 | 10°12 | 5° 4 | 5° 2 | 28°15 | 5°14 | M20 |
| T 21 | 4 31 18 | 7° 0'30 | 17°53 | 16°18 | 29°13 | 17° 9 | 29°10 | 11°55 | 27°51 | 8°21 | 10°11 | 4°50 | 4°58 | 28°22 | 5°17 | T 21 |
| W22 | 4 35 14 | 8° 1'29 | 0♋19 | 17°15 | 0♏26 | 17°51 | 29°14 | 11°59 | 27°52 | 8°20 | 10°10 | 4°37 | 4°55 | 28°28 | 5°20 | W22 |
| T 23 | 4 39 11 | 9° 2'29 | 12°54 | 18°16 | 1°39 | 18°33 | 29°16 | 12° 4 | 27°52 | 8°19 | 10° 9 | 4°26 | 4°52 | 28°35 | 5°23 | T 23 |
| F 24 | 4 43 7 | 10° 3'30 | 25°40 | 19°21 | 2°52 | 19°15 | 29°19 | 12° 8 | 27°52 | 8°19 | 10° 8 | 4°18 | 4°49 | 28°42 | 5°26 | F 24 |
| S 25 | 4 47 4 | 11° 4'32 | 8♌37 | 20°30 | 4° 5 | 19°57 | 29°21 | 12°13 | 27°R52 | 8°18 | 10° 7 | 4°13 | 4°46 | 28°49 | 5°29 | S 25 |
| S 26 | 4 51 1 | 12° 5'35 | 21°47 | 21°41 | 5°18 | 20°39 | 29°24 | 12°17 | 27°52 | 8°18 | 10° 6 | 4°11 | 4°43 | 28°55 | 5°32 | S 26 |
| M27 | 4 54 57 | 13° 6'39 | 5♍13 | 22°55 | 6°31 | 21°21 | 29°26 | 12°22 | 27°52 | 8°17 | 10° 6 | 4°11 | 4°39 | 29° 2 | 5°35 | M27 |
| T 28 | 4 58 54 | 14° 7'44 | 18°56 | 24°12 | 7°45 | 22° 4 | 29°28 | 12°27 | 27°52 | 8°17 | 10° 5 | 4°11 | 4°36 | 29° 9 | 5°38 | T 28 |
| W29 | 5 2 50 | 15° 8'49 | 2♎57 | 25°30 | 8°58 | 22°46 | 29°29 | 12°32 | 27°51 | 8°16 | 10° 4 | 4°10 | 4°33 | 29°15 | 5°41 | W29 |
| T 30 | 5 6 47 | 16♐ 9'56 | 17♎18 | 26♏49 | 10♏11 | 23♏28 | 29♌31 | 12♒37 | 27♌51 | 8♈16 | 10♉ 3 | 4♓ 7 | 4♓30 | 29♈22 | 5♒45 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s54 | 1n24 | 1s24 | 19s44 | 0s41 | 0s29 | 1n46 | 12s17 | 0n24 | 13n12 | 0n54 | 18s44 | 1s11 | 13n 2 | 0n44 | 1n53 | 1s42 | 0n19 | 15s28 | 8s53 | 9s20 | 13n48 | 12s46 | 6n38 |
| T 2 | 17 11 | 5s32 | 2 35 | 19 8 | 0 21 | 0 56 | 1 47 | 12 32 | 0 23 | 13 10 | 0 54 | 18 44 | 1 11 | 13 2 | 0 44 | 1 53 | 1 42 | 0 19 | 15 28 | 8 54 | 9 21 | 13 51 | 12 46 | 6 37 |
| F 3 | 17 28 | 12 18 | 3 37 | 18 28 | 0 1 | 1 22 | 1 49 | 12 46 | 0 22 | 13 8 | 0 54 | 18 43 | 1 11 | 13 2 | 0 44 | 1 52 | 1 42 | 0 19 | 15 28 | 8 56 | 9 22 | 13 54 | 12 46 | 6 37 |
| S 4 | 17 44 | 18 25 | 4 24 | 17 48 | 0n20 | 1 49 | 1 51 | 13 1 | 0 22 | 13 6 | 0 54 | 18 42 | 1 11 | 13 1 | 0 44 | 1 52 | 1 42 | 0 19 | 15 27 | 8 59 | 9 23 | 13 57 | 12 46 | 6 36 |
| S 5 | 18 1 | 23 23 | 4 53 | 17 6 | 0 40 | 2 15 | 1 52 | 13 15 | 0 21 | 13 4 | 0 55 | 18 41 | 1 11 | 13 1 | 0 44 | 1 51 | 1 42 | 0 18 | 15 27 | 9 3 | 9 25 | 14 0 | 12 46 | 6 36 |
| M 6 | 18 17 | 26 44 | 5 1 | 16 25 | 1 0 | 2 42 | 1 54 | 13 29 | 0 21 | 13 3 | 0 55 | 18 40 | 1 11 | 13 0 | 0 44 | 1 51 | 1 42 | 0 18 | 15 27 | 9 7 | 9 26 | 14 3 | 12 46 | 6 36 |
| T 7 | 18 32 | 28 9 | 4 49 | 15 47 | 1 18 | 3 8 | 1 55 | 13 43 | 0 20 | 13 1 | 0 55 | 18 39 | 1 11 | 13 0 | 0 44 | 1 51 | 1 42 | 0 18 | 15 27 | 9 11 | 9 27 | 14 6 | 12 45 | 6 35 |
| W 8 | 18 48 | 27 37 | 4 18 | 15 11 | 1 35 | 3 35 | 1 57 | 13 57 | 0 20 | 12 59 | 0 55 | 18 39 | 1 11 | 13 0 | 0 44 | 1 50 | 1 42 | 0 18 | 15 27 | 9 15 | 9 28 | 14 9 | 12 45 | 6 35 |
| T 9 | 19 3 | 25 21 | 3 33 | 14 39 | 1 50 | 4 2 | 1 58 | 14 11 | 0 19 | 12 58 | 0 56 | 18 38 | 1 11 | 13 0 | 0 44 | 1 50 | 1 42 | 0 17 | 15 27 | 9 17 | 9 29 | 14 12 | 12 45 | 6 34 |
| F 10 | 19 17 | 21 45 | 2 38 | 14 12 | 2 3 | 4 29 | 1 59 | 14 25 | 0 19 | 12 56 | 0 56 | 18 37 | 1 11 | 12 59 | 0 44 | 1 49 | 1 42 | 0 17 | 15 27 | 9 19 | 9 30 | 14 15 | 12 45 | 6 34 |
| S 11 | 19 31 | 17 12 | 1 37 | 13 50 | 2 13 | 4 55 | 2 0 | 14 38 | 0 18 | 12 55 | 0 56 | 18 36 | 1 11 | 12 59 | 0 44 | 1 49 | 1 42 | 0 17 | 15 27 | 9 19 | 9 32 | 14 18 | 12 45 | 6 33 |
| S 12 | 19 45 | 12 3 | 0 32 | 13 33 | 2 22 | 5 22 | 2 1 | 14 52 | 0 17 | 12 53 | 0 56 | 18 35 | 1 11 | 12 59 | 0 44 | 1 49 | 1 42 | 0 17 | 15 27 | 9 19 | 9 33 | 14 21 | 12 45 | 6 33 |
| M13 | 19 59 | 6 33 | 0n32 | 13 22 | 2 29 | 5 49 | 2 1 | 15 6 | 0 17 | 12 52 | 0 57 | 18 34 | 1 11 | 12 59 | 0 44 | 1 48 | 1 42 | 0 17 | 15 27 | 9 19 | 9 34 | 14 24 | 12 45 | 6 33 |
| T 14 | 20 12 | 0 55 | 1 34 | 13 16 | 2 33 | 6 15 | 2 2 | 15 19 | 0 16 | 12 51 | 0 57 | 18 32 | 1 11 | 12 58 | 0 45 | 1 48 | 1 42 | 0 16 | 15 26 | 9 20 | 9 35 | 14 27 | 12 45 | 6 32 |
| W15 | 20 25 | 4n40 | 2 31 | 13 15 | 2 36 | 6 42 | 2 2 | 15 32 | 0 16 | 12 49 | 0 57 | 18 31 | 1 11 | 12 58 | 0 45 | 1 48 | 1 41 | 0 16 | 15 26 | 9 21 | 9 36 | 14 30 | 12 44 | 6 32 |
| T 16 | 20 37 | 10 5 | 3 21 | 13 18 | 2 38 | 7 8 | 2 3 | 15 45 | 0 15 | 12 48 | 0 57 | 18 30 | 1 11 | 12 58 | 0 45 | 1 48 | 1 41 | 0 16 | 15 26 | 9 23 | 9 37 | 14 33 | 12 44 | 6 31 |
| F 17 | 20 49 | 15 8 | 4 3 | 13 26 | 2 38 | 7 34 | 2 3 | 15 58 | 0 15 | 12 47 | 0 58 | 18 29 | 1 11 | 12 58 | 0 45 | 1 47 | 1 41 | 0 16 | 15 26 | 9 26 | 9 39 | 14 35 | 12 44 | 6 31 |
| S 18 | 21 1 | 19 39 | 4 34 | 13 36 | 2 36 | 8 1 | 2 3 | 16 11 | 0 14 | 12 46 | 0 58 | 18 28 | 1 11 | 12 58 | 0 45 | 1 47 | 1 41 | 0 16 | 15 26 | 9 31 | 9 40 | 14 38 | 12 44 | 6 31 |
| S 19 | 21 12 | 23 26 | 4 53 | 13 50 | 2 34 | 8 27 | 2 4 | 16 24 | 0 13 | 12 45 | 0 58 | 18 27 | 1 11 | 12 58 | 0 45 | 1 47 | 1 41 | 0 16 | 15 26 | 9 36 | 9 41 | 14 41 | 12 43 | 6 30 |
| M20 | 21 23 | 26 13 | 4 59 | 14 7 | 2 31 | 8 53 | 2 4 | 16 37 | 0 13 | 12 44 | 0 58 | 18 26 | 1 10 | 12 58 | 0 45 | 1 46 | 1 41 | 0 15 | 15 26 | 9 41 | 9 42 | 14 44 | 12 43 | 6 30 |
| T 21 | 21 33 | 27 48 | 4 52 | 14 26 | 2 27 | 9 19 | 2 4 | 16 49 | 0 12 | 12 43 | 0 59 | 18 24 | 1 10 | 12 58 | 0 45 | 1 46 | 1 41 | 0 15 | 15 25 | 9 46 | 9 43 | 14 47 | 12 43 | 6 29 |
| W22 | 21 43 | 28 2 | 4 30 | 14 46 | 2 22 | 9 44 | 2 3 | 17 2 | 0 12 | 12 42 | 0 59 | 18 23 | 1 10 | 12 58 | 0 45 | 1 46 | 1 41 | 0 15 | 15 25 | 9 51 | 9 44 | 14 50 | 12 43 | 6 29 |
| T 23 | 21 53 | 26 48 | 3 55 | 15 9 | 2 17 | 10 10 | 2 3 | 17 14 | 0 11 | 12 42 | 0 59 | 18 22 | 1 10 | 12 58 | 0 45 | 1 46 | 1 41 | 0 15 | 15 25 | 9 55 | 9 46 | 14 53 | 12 42 | 6 29 |
| F 24 | 22 2 | 24 10 | 3 8 | 15 32 | 2 11 | 10 35 | 2 3 | 17 26 | 0 10 | 12 41 | 1 0 | 18 20 | 1 10 | 12 58 | 0 45 | 1 46 | 1 41 | 0 15 | 15 25 | 9 58 | 9 47 | 14 56 | 12 42 | 6 28 |
| S 25 | 22 11 | 20 16 | 2 11 | 15 56 | 2 4 | 11 0 | 2 2 | 17 38 | 0 10 | 12 40 | 1 0 | 18 19 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 15 | 15 25 | 10 0 | 9 48 | 14 59 | 12 42 | 6 28 |
| S 26 | 22 19 | 15 19 | 1 5 | 16 21 | 1 58 | 11 25 | 2 2 | 17 50 | 0 9 | 12 40 | 1 0 | 18 18 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 15 | 15 24 | 10 0 | 9 49 | 15 2 | 12 41 | 6 28 |
| M27 | 22 27 | 9 33 | 0s 5 | 16 47 | 1 51 | 11 50 | 2 1 | 18 1 | 0 9 | 12 39 | 1 0 | 18 16 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 15 | 15 24 | 10 1 | 9 50 | 15 5 | 12 41 | 6 27 |
| T 28 | 22 35 | 3 13 | 1 17 | 17 12 | 1 44 | 12 14 | 2 1 | 18 13 | 0 8 | 12 39 | 1 1 | 18 15 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 15 | 15 24 | 10 1 | 9 51 | 15 7 | 12 40 | 6 27 |
| W29 | 22 42 | 3s24 | 2 26 | 17 38 | 1 37 | 12 39 | 2 0 | 18 24 | 0 7 | 12 38 | 1 1 | 18 14 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 14 | 15 24 | 10 1 | 9 53 | 15 10 | 12 40 | 6 26 |
| T 30 | 22s48 | 10s 0 | 3s27 | 18s 4 | 1n29 | 13s 3 | 1n59 | 18s36 | 0n 7 | 12n38 | 1n 1 | 18s12 | 1s10 | 12n58 | 0n45 | 1n45 | 1s41 | 0n14 | 15s24 | 10s 2 | 9s54 | 15n13 | 12s39 | 6n26 |

Julian Day Number = 2223215.5, Delta T = 08m32s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'12, Lahiri = 15°08'12 Julian Calendar 1 Nov. 1374 == Greg. Calendar 9 Nov. 1374


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# ASTRODIENST EPHEMERIS for the year 1374
# geocentric

## DECEMBER 1374 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 10 43 | 17♐11'04 | 1♏55 | 28♏11 | 11♏25 | 24♏11 | 29♌32 | 12♒42 | 27°R51 | 8°R15 | 10°R 2 | 4°R 1 | 4♓27 | 29♈29 | 5♒48 | F 1 |
| S 2 | 5 14 40 | 18°12'13 | 16°43 | 29°33 | 12°38 | 24°53 | 29°33 | 12°47 | 27♌51 | 8♈15 | 10♉ 1 | 3♓52 | 4°24 | 29°35 | 5°51 | S 2 |
| S 3 | 5 18 36 | 19°13'22 | 1♐37 | 0♐57 | 13°52 | 25°35 | 29°34 | 12°52 | 27°50 | 8°15 | 10° 0 | 3°42 | 4°20 | 29°42 | 5°55 | S 3 |
| M 4 | 5 22 33 | 20°14'32 | 16°26 | 2°21 | 15° 5 | 26°18 | 29°35 | 12°58 | 27°50 | 8°14 | 9°59 | 3°30 | 4°17 | 29°49 | 5°58 | M 4 |
| T 5 | 5 26 30 | 21°15'43 | 1♑ 2 | 3°47 | 16°19 | 27° 0 | 29°36 | 13° 3 | 27°49 | 8°14 | 9°59 | 3°19 | 4°14 | 29°56 | 6° 2 | T 5 |
| W 6 | 5 30 26 | 22°16'54 | 15°18 | 5°13 | 17°33 | 27°43 | 29°36 | 13° 8 | 27°49 | 8°14 | 9°58 | 3° 9 | 4°11 | 0♉ 2 | 6° 5 | W 6 |
| T 7 | 5 34 23 | 23°18'05 | 29° 9 | 6°40 | 18°46 | 28°25 | 29°R36 | 13°14 | 27°48 | 8°14 | 9°57 | 3° 2 | 4° 8 | 0° 9 | 6° 9 | T 7 |
| F 8 | 5 38 19 | 24°19'16 | 12♒32 | 8° 7 | 20° 0 | 29° 8 | 29°36 | 13°19 | 27°47 | 8°14 | 9°56 | 2°58 | 4° 4 | 0°16 | 6°13 | F 8 |
| S 9 | 5 42 16 | 25°20'27 | 25°28 | 9°35 | 21°14 | 29°51 | 29°36 | 13°25 | 27°47 | 8°14 | 9°55 | 2°56 | 4° 1 | 0°22 | 6°16 | S 9 |
| S 10 | 5 46 12 | 26°21'38 | 8♓ 2 | 11° 4 | 22°28 | 0♐33 | 29°36 | 13°31 | 27°46 | 8°13 | 9°55 | 2°D56 | 3°58 | 0°29 | 6°20 | S 10 |
| M11 | 5 50 9 | 27°22'49 | 20°16 | 12°33 | 23°41 | 1°16 | 29°35 | 13°36 | 27°45 | 8°D13 | 9°54 | 2°56 | 3°55 | 0°36 | 6°24 | M11 |
| T 12 | 5 54 6 | 28°24'00 | 2♈17 | 14° 3 | 24°55 | 1°59 | 29°34 | 13°42 | 27°44 | 8°13 | 9°53 | 2°R56 | 3°52 | 0°42 | 6°28 | T 12 |
| W13 | 5 58 2 | 29°25'11 | 14° 9 | 15°33 | 26° 9 | 2°41 | 29°33 | 13°48 | 27°43 | 8°13 | 9°53 | 2°55 | 3°49 | 0°49 | 6°31 | W13 |
| T 14 | 6 1 59 | 0♑26'22 | 25°59 | 17° 3 | 27°23 | 3°24 | 29°32 | 13°54 | 27°42 | 8°14 | 9°52 | 2°52 | 3°45 | 0°56 | 6°35 | T 14 |
| F 15 | 6 5 55 | 1°27'33 | 7♉50 | 18°34 | 28°37 | 4° 7 | 29°30 | 14° 0 | 27°41 | 8°14 | 9°51 | 2°45 | 3°42 | 1° 3 | 6°39 | F 15 |
| S 16 | 6 9 52 | 2°28'43 | 19°47 | 20° 5 | 29°51 | 4°50 | 29°29 | 14° 6 | 27°40 | 8°14 | 9°51 | 2°37 | 3°39 | 1° 9 | 6°43 | S 16 |
| S 17 | 6 13 48 | 3°29'53 | 1♊54 | 21°36 | 1♐ 5 | 5°33 | 29°27 | 14°12 | 27°39 | 8°14 | 9°50 | 2°27 | 3°36 | 1°16 | 6°47 | S 17 |
| M18 | 6 17 45 | 4°31'04 | 14°11 | 23° 8 | 2°19 | 6°16 | 29°25 | 14°18 | 27°38 | 8°14 | 9°49 | 2°15 | 3°33 | 1°23 | 6°51 | M18 |
| T 19 | 6 21 41 | 5°32'14 | 26°41 | 24°40 | 3°33 | 6°59 | 29°23 | 14°24 | 27°36 | 8°14 | 9°49 | 2° 4 | 3°30 | 1°29 | 6°55 | T 19 |
| W20 | 6 25 38 | 6°33'23 | 9♋24 | 26°13 | 4°47 | 7°42 | 29°21 | 14°30 | 27°35 | 8°15 | 9°48 | 1°54 | 3°26 | 1°36 | 6°59 | W20 |
| T 21 | 6 29 35 | 7°34'33 | 22°19 | 27°46 | 6° 2 | 8°25 | 29°18 | 14°37 | 27°34 | 8°15 | 9°48 | 1°46 | 3°23 | 1°43 | 7° 3 | T 21 |
| F 22 | 6 33 31 | 8°35'43 | 5♌25 | 29°20 | 7°16 | 9° 8 | 29°15 | 14°43 | 27°32 | 8°15 | 9°47 | 1°40 | 3°20 | 1°49 | 7° 7 | F 22 |
| S 23 | 6 37 28 | 9°36'52 | 18°43 | 0♑53 | 8°30 | 9°51 | 29°12 | 14°49 | 27°31 | 8°16 | 9°47 | 1°37 | 3°17 | 1°56 | 7°11 | S 23 |
| S 24 | 6 41 24 | 10°38'01 | 2♍11 | 2°28 | 9°44 | 10°35 | 29° 9 | 14°56 | 27°29 | 8°16 | 9°46 | 1°D36 | 3°14 | 2° 3 | 7°15 | S 24 |
| M25 | 6 45 21 | 11°39'10 | 15°49 | 4° 3 | 10°59 | 11°18 | 29° 6 | 15° 2 | 27°28 | 8°17 | 9°46 | 1°37 | 3°10 | 2°10 | 7°19 | M25 |
| T 26 | 6 49 17 | 12°40'19 | 29°38 | 5°38 | 12°13 | 12° 1 | 29° 3 | 15° 9 | 27°26 | 8°17 | 9°45 | 1°38 | 3° 7 | 2°16 | 7°24 | T 26 |
| W27 | 6 53 14 | 13°41'28 | 13♎37 | 7°13 | 13°27 | 12°45 | 28°59 | 15°15 | 27°25 | 8°18 | 9°45 | 1°R39 | 3° 4 | 2°23 | 7°28 | W27 |
| T 28 | 6 57 10 | 14°42'37 | 27°45 | 8°49 | 14°41 | 13°28 | 28°55 | 15°22 | 27°23 | 8°18 | 9°45 | 1°38 | 3° 1 | 2°30 | 7°32 | T 28 |
| F 29 | 7 1 7 | 15°43'46 | 12♏ 3 | 10°26 | 15°56 | 14°11 | 28°51 | 15°28 | 27°21 | 8°19 | 9°44 | 1°35 | 2°58 | 2°36 | 7°36 | F 29 |
| S 30 | 7 5 4 | 16°44'54 | 26°26 | 12° 3 | 17°10 | 14°55 | 28°47 | 15°35 | 27°19 | 8°19 | 9°44 | 1°30 | 2°55 | 2°43 | 7°41 | S 30 |
| S 31 | 7 9 0 | 17♑46'03 | 10♐51 | 13♑41 | 18♐25 | 15♐38 | 28♌42 | 15♒42 | 27♌18 | 8♈20 | 9♉43 | 1♓24 | 2♓51 | 2♉50 | 7♒45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s54 | 16s10 | 4s16 | 18s30 | 1n22 | 13s26 | 1n58 | 18s47 | 0n 6 | 12n38 | 1n 1 | 18s11 | 1s10 | 12n58 | 0n45 | 1n45 | 1s41 | 0n14 | 15s23 | 10s 4 | 9s55 | 15n16 | 12s39 | 6n26 |
| S 2 | 23 0 | 21 29 | 4 48 | 18 55 | 1 14 | 13 50 | 1 57 | 18 58 | 0 6 | 12 38 | 1 2 | 18 9 | 1 10 | 12 58 | 0 45 | 1 45 | 1 41 | 0 14 | 15 23 | 10 7 | 9 56 | 15 19 | 12 38 | 6 25 |
| S 3 | 23 5 | 25 28 | 5 1 | 19 20 | 1 6 | 14 13 | 1 56 | 19 9 | 0 5 | 12 38 | 1 2 | 18 8 | 1 10 | 12 59 | 0 45 | 1 44 | 1 41 | 0 14 | 15 23 | 10 11 | 9 57 | 15 22 | 12 38 | 6 25 |
| M 4 | 23 10 | 27 42 | 4 53 | 19 45 | 0 59 | 14 35 | 1 55 | 19 19 | 0 4 | 12 38 | 1 2 | 18 6 | 1 10 | 12 59 | 0 45 | 1 44 | 1 41 | 0 14 | 15 23 | 10 15 | 9 58 | 15 25 | 12 37 | 6 25 |
| T 5 | 23 14 | 27 58 | 4 27 | 20 9 | 0 51 | 14 58 | 1 53 | 19 30 | 0 4 | 12 38 | 1 3 | 18 5 | 1 10 | 12 59 | 0 45 | 1 44 | 1 41 | 0 14 | 15 22 | 10 20 | 9 59 | 15 28 | 12 37 | 6 24 |
| W 6 | 23 18 | 26 21 | 3 44 | 20 32 | 0 43 | 15 20 | 1 52 | 19 40 | 0 3 | 12 38 | 1 3 | 18 3 | 1 10 | 12 59 | 0 46 | 1 44 | 1 40 | 0 14 | 15 22 | 10 23 | 10 1 | 15 30 | 12 36 | 6 24 |
| T 7 | 23 21 | 23 9 | 2 49 | 20 55 | 0 35 | 15 42 | 1 51 | 19 50 | 0 2 | 12 38 | 1 3 | 18 1 | 1 10 | 13 0 | 0 46 | 1 44 | 1 40 | 0 14 | 15 22 | 10 26 | 10 2 | 15 33 | 12 36 | 6 24 |
| F 8 | 23 24 | 18 48 | 1 46 | 21 17 | 0 28 | 16 3 | 1 49 | 20 0 | 0 2 | 12 38 | 1 3 | 18 0 | 1 10 | 13 0 | 0 46 | 1 44 | 1 40 | 0 14 | 15 22 | 10 27 | 10 3 | 15 36 | 12 35 | 6 24 |
| S 9 | 23 26 | 13 42 | 0 40 | 21 38 | 0 20 | 16 24 | 1 48 | 20 10 | 0 1 | 12 39 | 1 4 | 17 58 | 1 10 | 13 0 | 0 46 | 1 44 | 1 40 | 0 14 | 15 21 | 10 28 | 10 4 | 15 39 | 12 35 | 6 23 |
| S 10 | 23 28 | 8 10 | 0n27 | 21 58 | 0 13 | 16 44 | 1 46 | 20 20 | 0 0 | 12 39 | 1 4 | 17 56 | 1 10 | 13 0 | 0 46 | 1 44 | 1 40 | 0 14 | 15 21 | 10 28 | 10 5 | 15 42 | 12 34 | 6 23 |
| M11 | 23 30 | 2 28 | 1 31 | 22 17 | 0 6 | 17 5 | 1 44 | 20 29 | 0s 0 | 12 40 | 1 4 | 17 55 | 1 10 | 13 1 | 0 46 | 1 44 | 1 40 | 0 14 | 15 21 | 10 28 | 10 6 | 15 45 | 12 33 | 6 23 |
| T 12 | 23 31 | 3n12 | 2 30 | 22 36 | 0s 2 | 17 24 | 1 43 | 20 39 | 0 1 | 12 40 | 1 4 | 17 53 | 1 10 | 13 1 | 0 46 | 1 44 | 1 40 | 0 14 | 15 21 | 10 28 | 10 8 | 15 48 | 12 33 | 6 22 |
| W13 | 23 31 | 8 41 | 3 21 | 22 53 | 0 9 | 17 43 | 1 41 | 20 48 | 0 2 | 12 41 | 1 5 | 17 51 | 1 10 | 13 1 | 0 46 | 1 44 | 1 40 | 0 14 | 15 20 | 10 28 | 10 9 | 15 50 | 12 32 | 6 22 |
| T 14 | 23 31 | 13 51 | 4 4 | 23 9 | 0 16 | 18 2 | 1 39 | 20 57 | 0 2 | 12 41 | 1 5 | 17 50 | 1 10 | 13 2 | 0 46 | 1 45 | 1 40 | 0 14 | 15 20 | 10 29 | 10 10 | 15 53 | 12 31 | 6 22 |
| F 15 | 23 31 | 18 31 | 4 36 | 23 24 | 0 23 | 18 21 | 1 37 | 21 5 | 0 3 | 12 42 | 1 5 | 17 48 | 1 10 | 13 2 | 0 46 | 1 45 | 1 40 | 0 15 | 15 20 | 10 32 | 10 11 | 15 56 | 12 31 | 6 22 |
| S 16 | 23 30 | 22 30 | 4 56 | 23 39 | 0 30 | 18 38 | 1 35 | 21 14 | 0 3 | 12 43 | 1 6 | 17 46 | 1 10 | 13 3 | 0 46 | 1 45 | 1 40 | 0 15 | 15 20 | 10 35 | 10 12 | 15 59 | 12 30 | 6 21 |
| S 17 | 23 29 | 25 34 | 5 4 | 23 51 | 0 36 | 18 56 | 1 33 | 21 22 | 0 4 | 12 44 | 1 6 | 17 44 | 1 10 | 13 3 | 0 46 | 1 45 | 1 40 | 0 15 | 15 19 | 10 38 | 10 13 | 16 2 | 12 29 | 6 21 |
| M18 | 23 27 | 27 30 | 4 57 | 24 3 | 0 43 | 19 13 | 1 31 | 21 31 | 0 5 | 12 45 | 1 6 | 17 43 | 1 10 | 13 4 | 0 46 | 1 45 | 1 40 | 0 15 | 15 19 | 10 42 | 10 15 | 16 4 | 12 29 | 6 21 |
| T 19 | 23 24 | 28 5 | 4 37 | 24 14 | 0 49 | 19 29 | 1 29 | 21 39 | 0 6 | 12 46 | 1 6 | 17 41 | 1 10 | 13 4 | 0 46 | 1 45 | 1 40 | 0 15 | 15 19 | 10 46 | 10 16 | 16 7 | 12 28 | 6 21 |
| W20 | 23 22 | 27 13 | 4 2 | 24 23 | 0 55 | 19 45 | 1 27 | 21 46 | 0 6 | 12 47 | 1 7 | 17 39 | 1 10 | 13 5 | 0 46 | 1 45 | 1 40 | 0 15 | 15 18 | 10 50 | 10 17 | 16 10 | 12 27 | 6 20 |
| T 21 | 23 18 | 24 52 | 3 14 | 24 31 | 1 1 | 20 0 | 1 24 | 21 54 | 0 7 | 12 48 | 1 7 | 17 37 | 1 10 | 13 5 | 0 46 | 1 45 | 1 40 | 0 15 | 15 18 | 10 53 | 10 18 | 16 13 | 12 26 | 6 20 |
| F 22 | 23 15 | 21 10 | 2 16 | 24 38 | 1 7 | 20 15 | 1 22 | 22 1 | 0 8 | 12 49 | 1 7 | 17 35 | 1 10 | 13 6 | 0 46 | 1 46 | 1 40 | 0 15 | 15 18 | 10 55 | 10 19 | 16 16 | 12 26 | 6 20 |
| S 23 | 23 10 | 16 21 | 1 9 | 24 43 | 1 12 | 20 29 | 1 20 | 22 8 | 0 8 | 12 50 | 1 7 | 17 33 | 1 10 | 13 6 | 0 46 | 1 46 | 1 40 | 0 15 | 15 18 | 10 56 | 10 20 | 16 18 | 12 25 | 6 20 |
| S 24 | 23 6 | 10 41 | 0s 3 | 24 47 | 1 17 | 20 43 | 1 17 | 22 15 | 0 9 | 12 52 | 1 8 | 17 32 | 1 10 | 13 7 | 0 46 | 1 46 | 1 40 | 0 16 | 15 17 | 10 56 | 10 21 | 16 21 | 12 24 | 6 20 |
| M25 | 23 1 | 4 27 | 1 16 | 24 50 | 1 22 | 20 56 | 1 15 | 22 22 | 0 10 | 12 53 | 1 8 | 17 30 | 1 10 | 13 7 | 0 46 | 1 46 | 1 39 | 0 16 | 15 17 | 10 56 | 10 23 | 16 24 | 12 23 | 6 19 |
| T 26 | 22 55 | 2s 4 | 2 25 | 24 51 | 1 27 | 21 8 | 1 12 | 22 29 | 0 10 | 12 55 | 1 8 | 17 28 | 1 10 | 13 8 | 0 46 | 1 47 | 1 39 | 0 16 | 15 17 | 10 56 | 10 24 | 16 27 | 12 22 | 6 19 |
| W27 | 22 49 | 8 33 | 3 27 | 24 51 | 1 32 | 21 20 | 1 10 | 22 35 | 0 11 | 12 56 | 1 8 | 17 26 | 1 10 | 13 8 | 0 46 | 1 47 | 1 39 | 0 16 | 15 16 | 10 56 | 10 25 | 16 30 | 12 21 | 6 19 |
| T 28 | 22 42 | 14 42 | 4 16 | 24 50 | 1 36 | 21 31 | 1 7 | 22 41 | 0 12 | 12 58 | 1 9 | 17 24 | 1 10 | 13 9 | 0 46 | 1 47 | 1 39 | 0 16 | 15 16 | 10 56 | 10 26 | 16 32 | 12 21 | 6 19 |
| F 29 | 22 36 | 20 6 | 4 51 | 24 47 | 1 40 | 21 42 | 1 5 | 22 47 | 0 12 | 12 59 | 1 9 | 17 22 | 1 10 | 13 10 | 0 46 | 1 47 | 1 39 | 0 16 | 15 16 | 10 57 | 10 27 | 16 35 | 12 20 | 6 19 |
| S 30 | 22 28 | 24 24 | 5 7 | 24 42 | 1 44 | 21 52 | 1 2 | 22 53 | 0 13 | 13 1 | 1 9 | 17 20 | 1 10 | 13 10 | 0 46 | 1 48 | 1 39 | 0 17 | 15 15 | 10 59 | 10 28 | 16 38 | 12 19 | 6 18 |
| S 31 | 22s20 | 27s10 | 5s 4 | 24s36 | 1s48 | 22s 1 | 1n 0 | 22s58 | 0s14 | 13n 3 | 1n 9 | 17s18 | 1s10 | 13n11 | 0n46 | 1n48 | 1s39 | 0n17 | 15s15 | 11s 1 | 10s29 | 16n41 | 12s18 | 6n18 |

Julian Day Number = 2223245.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'16, Lahiri = 15°08'16 Julian Calendar 1 Dec. 1374 == Greg. Calendar 9 Dec. 1374


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## JANUARY 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 12 57 | 18♉47'11 | 25♐12 | 15♉19 | 19♐39 | 16♐22 | 28°R38 | 15♒48 | 27°R16 | 8♈21 | 9°R43 | 1°R17 | 2♓48 | 2♉57 | 7♒49 | M 1 |
| T 2 | 7 16 53 | 19°48'18 | 9♉24 | 16°58 | 20°53 | 17° 5 | 28♏33 | 15°55 | 27♏14 | 8°22 | 9♉43 | 1♓10 | 2°45 | 3° 3 | 7°54 | T 2 |
| W 3 | 7 20 50 | 20°49'25 | 23°21 | 18°37 | 22° 8 | 17°49 | 28°28 | 16° 2 | 27°12 | 8°22 | 9°43 | 1° 3 | 2°42 | 3°10 | 7°58 | W 3 |
| T 4 | 7 24 46 | 21°50'31 | 6♒59 | 20°17 | 23°22 | 18°33 | 28°23 | 16° 9 | 27°10 | 8°23 | 9°42 | 0°59 | 2°39 | 3°17 | 8° 2 | T 4 |
| F 5 | 7 28 43 | 22°51'36 | 20°15 | 21°57 | 24°37 | 19°16 | 28°18 | 16°16 | 27° 8 | 8°24 | 9°42 | 0°57 | 2°36 | 3°23 | 8° 7 | F 5 |
| S 6 | 7 32 40 | 23°52'41 | 3♓10 | 23°38 | 25°51 | 20° 0 | 28°13 | 16°23 | 27° 6 | 8°25 | 9°42 | 0°D56 | 2°32 | 3°30 | 8°11 | S 6 |
| S 7 | 7 36 36 | 24°53'44 | 15°45 | 25°20 | 27° 6 | 20°44 | 28° 7 | 16°30 | 27° 4 | 8°26 | 9°42 | 0°57 | 2°29 | 3°37 | 8°15 | S 7 |
| M 8 | 7 40 33 | 25°54'46 | 28° 2 | 27° 2 | 28°20 | 21°27 | 28° 2 | 16°37 | 27° 2 | 8°27 | 9°41 | 0°59 | 2°26 | 3°43 | 8°20 | M 8 |
| T 9 | 7 44 29 | 26°55'47 | 10♈ 5 | 28°45 | 29°35 | 22°11 | 27°56 | 16°43 | 27° 0 | 8°28 | 9°41 | 1° 1 | 2°23 | 3°50 | 8°24 | T 9 |
| W10 | 7 48 26 | 27°56'47 | 22° 0 | 0♒28 | 0♉49 | 22°55 | 27°50 | 16°50 | 26°58 | 8°29 | 9°41 | 1° 2 | 2°20 | 3°57 | 8°29 | W10 |
| T 11 | 7 52 22 | 28°57'46 | 3♉51 | 2°12 | 2° 4 | 23°39 | 27°44 | 16°58 | 26°55 | 8°30 | 9°41 | 1°R 2 | 2°16 | 4° 4 | 8°33 | T 11 |
| F 12 | 7 56 19 | 29°58'43 | 15°44 | 3°57 | 3°18 | 24°23 | 27°38 | 17° 5 | 26°53 | 8°31 | 9°41 | 1° 0 | 2°13 | 4°10 | 8°38 | F 12 |
| S 13 | 8 0 15 | 0♒59'40 | 27°42 | 5°42 | 4°33 | 25° 7 | 27°31 | 17°12 | 26°51 | 8°32 | 9°41 | 0°58 | 2°10 | 4°17 | 8°42 | S 13 |
| S 14 | 8 4 12 | 2° 0'35 | 9♊51 | 7°28 | 5°47 | 25°51 | 27°25 | 17°19 | 26°49 | 8°33 | 9°41 | 0°54 | 2° 7 | 4°24 | 8°47 | S 14 |
| M15 | 8 8 9 | 3° 1'28 | 22°14 | 9°14 | 7° 2 | 26°35 | 27°19 | 17°26 | 26°46 | 8°34 | 9°D41 | 0°49 | 2° 4 | 4°30 | 8°51 | M15 |
| T 16 | 8 12 5 | 4° 2'21 | 4♋53 | 11° 0 | 8°16 | 27°19 | 27°12 | 17°33 | 26°44 | 8°35 | 9°41 | 0°44 | 2° 1 | 4°37 | 8°56 | T 16 |
| W17 | 8 16 2 | 5° 3'12 | 17°49 | 12°47 | 9°31 | 28° 3 | 27° 5 | 17°40 | 26°42 | 8°36 | 9°41 | 0°40 | 1°57 | 4°44 | 9° 0 | W17 |
| T 18 | 8 19 58 | 6° 4'02 | 1♌ 3 | 14°34 | 10°45 | 28°47 | 26°58 | 17°47 | 26°39 | 8°38 | 9°41 | 0°37 | 1°54 | 4°51 | 9° 4 | T 18 |
| F 19 | 8 23 55 | 7° 4'51 | 14°33 | 16°21 | 12° 0 | 29°31 | 26°51 | 17°55 | 26°37 | 8°39 | 9°41 | 0°35 | 1°51 | 4°57 | 9° 9 | F 19 |
| S 20 | 8 27 51 | 8° 5'38 | 28°16 | 18° 8 | 13°14 | 0♉15 | 26°44 | 18° 2 | 26°34 | 8°40 | 9°41 | 0°D34 | 1°48 | 5° 4 | 9°13 | S 20 |
| S 21 | 8 31 48 | 9° 6'24 | 12♍12 | 19°55 | 14°29 | 0°59 | 26°37 | 18° 9 | 26°32 | 8°42 | 9°41 | 0°34 | 1°45 | 5°11 | 9°18 | S 21 |
| M22 | 8 35 44 | 10° 7'09 | 26°15 | 21°41 | 15°43 | 1°44 | 26°30 | 18°16 | 26°29 | 8°43 | 9°41 | 0°35 | 1°42 | 5°17 | 9°22 | M22 |
| T 23 | 8 39 41 | 11° 7'53 | 10♎24 | 23°27 | 16°58 | 2°28 | 26°22 | 18°23 | 26°27 | 8°44 | 9°41 | 0°37 | 1°38 | 5°24 | 9°27 | T 23 |
| W24 | 8 43 38 | 12° 8'36 | 24°36 | 25°12 | 18°13 | 3°12 | 26°15 | 18°31 | 26°24 | 8°46 | 9°42 | 0°38 | 1°35 | 5°31 | 9°31 | W24 |
| T 25 | 8 47 34 | 13° 9'18 | 8♏48 | 26°56 | 19°27 | 3°57 | 26° 7 | 18°38 | 26°22 | 8°47 | 9°42 | 0°R38 | 1°32 | 5°38 | 9°36 | T 25 |
| F 26 | 8 51 31 | 14° 9'59 | 22°58 | 28°38 | 20°42 | 4°41 | 26° 0 | 18°45 | 26°19 | 8°49 | 9°42 | 0°38 | 1°29 | 5°44 | 9°40 | F 26 |
| S 27 | 8 55 27 | 15°10'39 | 7♐ 4 | 0♓18 | 21°56 | 5°25 | 25°52 | 18°52 | 26°17 | 8°50 | 9°42 | 0°37 | 1°26 | 5°51 | 9°45 | S 27 |
| S 28 | 8 59 24 | 16°11'17 | 21° 5 | 1°56 | 23°11 | 6°10 | 25°45 | 19° 0 | 26°14 | 8°52 | 9°43 | 0°36 | 1°22 | 5°58 | 9°49 | S 28 |
| M29 | 9 3 20 | 17°11'55 | 4♉57 | 3°30 | 24°26 | 6°54 | 25°37 | 19° 7 | 26°12 | 8°53 | 9°43 | 0°34 | 1°19 | 6° 4 | 9°54 | M29 |
| T 30 | 9 7 17 | 18°12'31 | 18°39 | 5° 1 | 25°40 | 7°39 | 25°29 | 19°14 | 26° 9 | 8°55 | 9°43 | 0°32 | 1°16 | 6°11 | 9°58 | T 30 |
| W31 | 9 11 13 | 19♒13'05 | 2♒ 8 | 6♓28 | 26♉55 | 8♉23 | 25♏21 | 19♒22 | 26♏ 7 | 8♈56 | 9♉44 | 0♓31 | 1♓13 | 6♉18 | 10♒ 3 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s12 | 28s 8 | 4s42 | 24s29 | 1s51 | 22s10 | 0n57 | 23s 4 | 0s14 | 13n 5 | 1n10 | 17s16 | 1s10 | 13n12 | 0n47 | 1n48 | 1s39 | 0n17 | 15s15 | 11s 3 | 10s31 | 16n43 | 12s17 | 6n18 |
| T 2 | 22 3 | 27 13 | 4 3 | 24 19 | 1 54 | 22 18 | 0 54 | 23 9 | 0 15 | 13 7 | 1 10 | 17 14 | 1 10 | 13 12 | 0 47 | 1 49 | 1 39 | 0 17 | 15 14 | 11 6 | 10 32 | 16 46 | 12 16 | 6 18 |
| W 3 | 21 54 | 24 36 | 3 10 | 24 9 | 1 56 | 22 26 | 0 52 | 23 14 | 0 16 | 13 8 | 1 10 | 17 12 | 1 10 | 13 13 | 0 47 | 1 49 | 1 39 | 0 17 | 15 14 | 11 8 | 10 33 | 16 49 | 12 15 | 6 18 |
| T 4 | 21 45 | 20 38 | 2 6 | 23 56 | 1 59 | 22 32 | 0 49 | 23 18 | 0 17 | 13 10 | 1 10 | 17 10 | 1 10 | 13 14 | 0 47 | 1 49 | 1 39 | 0 18 | 15 14 | 11 10 | 10 34 | 16 52 | 12 14 | 6 18 |
| F 5 | 21 35 | 15 42 | 0 58 | 23 42 | 2 1 | 22 39 | 0 46 | 23 22 | 0 17 | 13 12 | 1 11 | 17 8 | 1 10 | 13 14 | 0 47 | 1 50 | 1 39 | 0 18 | 15 13 | 11 11 | 10 35 | 16 54 | 12 13 | 6 18 |
| S 6 | 21 24 | 10 11 | 0n12 | 23 27 | 2 2 | 22 44 | 0 43 | 23 27 | 0 18 | 13 15 | 1 11 | 17 6 | 1 10 | 13 15 | 0 47 | 1 50 | 1 39 | 0 18 | 15 13 | 11 11 | 10 36 | 16 57 | 12 12 | 6 17 |
| S 7 | 21 13 | 4 25 | 1 20 | 23 10 | 2 3 | 22 49 | 0 41 | 23 31 | 0 19 | 13 17 | 1 11 | 17 4 | 1 10 | 13 16 | 0 47 | 1 50 | 1 39 | 0 18 | 15 13 | 11 10 | 10 37 | 17 0 | 12 11 | 6 17 |
| M 8 | 21 2 | 1n23 | 2 22 | 22 51 | 2 4 | 22 53 | 0 38 | 23 34 | 0 19 | 13 19 | 1 11 | 17 2 | 1 10 | 13 17 | 0 47 | 1 51 | 1 39 | 0 19 | 15 12 | 11 10 | 10 39 | 17 3 | 12 10 | 6 17 |
| T 9 | 20 51 | 7 2 | 3 17 | 22 31 | 2 4 | 22 56 | 0 35 | 23 38 | 0 20 | 13 21 | 1 12 | 16 59 | 1 10 | 13 17 | 0 47 | 1 51 | 1 39 | 0 19 | 15 12 | 11 9 | 10 40 | 17 5 | 12 9 | 6 17 |
| W10 | 20 39 | 12 21 | 4 3 | 22 8 | 2 4 | 22 59 | 0 32 | 23 41 | 0 21 | 13 23 | 1 12 | 16 57 | 1 10 | 13 18 | 0 47 | 1 52 | 1 39 | 0 19 | 15 12 | 11 9 | 10 41 | 17 8 | 12 8 | 6 17 |
| T 11 | 20 26 | 17 12 | 4 38 | 21 45 | 2 4 | 23 1 | 0 30 | 23 44 | 0 22 | 13 26 | 1 12 | 16 55 | 1 10 | 13 19 | 0 47 | 1 52 | 1 39 | 0 20 | 15 11 | 11 9 | 10 42 | 17 11 | 12 7 | 6 17 |
| F 12 | 20 14 | 21 25 | 5 2 | 21 19 | 2 3 | 23 2 | 0 27 | 23 47 | 0 22 | 13 28 | 1 12 | 16 53 | 1 10 | 13 20 | 0 47 | 1 53 | 1 39 | 0 20 | 15 11 | 11 9 | 10 43 | 17 13 | 12 6 | 6 17 |
| S 13 | 20 0 | 24 47 | 5 12 | 20 52 | 2 1 | 23 3 | 0 24 | 23 49 | 0 23 | 13 30 | 1 12 | 16 51 | 1 10 | 13 20 | 0 47 | 1 53 | 1 38 | 0 20 | 15 11 | 11 10 | 10 44 | 17 16 | 12 5 | 6 17 |
| S 14 | 19 47 | 27 6 | 5 9 | 20 23 | 1 59 | 23 3 | 0 21 | 23 51 | 0 24 | 13 33 | 1 13 | 16 49 | 1 10 | 13 21 | 0 47 | 1 54 | 1 38 | 0 20 | 15 10 | 11 12 | 10 45 | 17 19 | 12 4 | 6 17 |
| M15 | 19 33 | 28 8 | 4 51 | 19 53 | 1 57 | 23 2 | 0 18 | 23 53 | 0 25 | 13 35 | 1 13 | 16 47 | 1 10 | 13 22 | 0 47 | 1 54 | 1 38 | 0 21 | 15 10 | 11 13 | 10 47 | 17 22 | 12 3 | 6 17 |
| T 16 | 19 19 | 27 45 | 4 19 | 19 21 | 1 53 | 23 0 | 0 16 | 23 55 | 0 25 | 13 38 | 1 13 | 16 45 | 1 10 | 13 23 | 0 47 | 1 55 | 1 38 | 0 21 | 15 10 | 11 15 | 10 48 | 17 24 | 12 2 | 6 17 |
| W17 | 19 4 | 25 51 | 3 33 | 18 47 | 1 50 | 22 58 | 0 13 | 23 57 | 0 26 | 13 40 | 1 13 | 16 42 | 1 10 | 13 24 | 0 47 | 1 55 | 1 38 | 0 21 | 15 9 | 11 16 | 10 49 | 17 27 | 12 1 | 6 16 |
| T 18 | 18 49 | 22 31 | 2 35 | 18 12 | 1 45 | 22 55 | 0 10 | 23 58 | 0 27 | 13 43 | 1 13 | 16 40 | 1 10 | 13 25 | 0 47 | 1 56 | 1 38 | 0 22 | 15 9 | 11 18 | 10 50 | 17 30 | 12 0 | 6 16 |
| F 19 | 18 34 | 17 55 | 1 27 | 17 35 | 1 41 | 22 51 | 0 7 | 23 59 | 0 28 | 13 45 | 1 14 | 16 38 | 1 10 | 13 25 | 0 47 | 1 56 | 1 38 | 0 22 | 15 9 | 11 18 | 10 51 | 17 32 | 11 58 | 6 16 |
| S 20 | 18 18 | 12 19 | 0 13 | 16 57 | 1 35 | 22 47 | 0 5 | 24 0 | 0 28 | 13 48 | 1 14 | 16 36 | 1 10 | 13 26 | 0 47 | 1 57 | 1 38 | 0 22 | 15 8 | 11 19 | 10 52 | 17 35 | 11 57 | 6 16 |
| S 21 | 18 2 | 6 2 | 1s 4 | 16 18 | 1 29 | 22 42 | 0 2 | 24 0 | 0 29 | 13 51 | 1 14 | 16 34 | 1 11 | 13 27 | 0 47 | 1 57 | 1 38 | 0 23 | 15 8 | 11 19 | 10 53 | 17 38 | 11 56 | 6 16 |
| M22 | 17 46 | 0s36 | 2 17 | 15 37 | 1 22 | 22 36 | 0s 1 | 24 0 | 0 30 | 13 53 | 1 14 | 16 31 | 1 11 | 13 28 | 0 47 | 1 58 | 1 38 | 0 23 | 15 8 | 11 18 | 10 55 | 17 40 | 11 55 | 6 16 |
| T 23 | 17 30 | 7 14 | 3 22 | 14 55 | 1 14 | 22 30 | 0 4 | 24 1 | 0 31 | 13 56 | 1 14 | 16 29 | 1 11 | 13 29 | 0 47 | 1 58 | 1 38 | 0 24 | 15 7 | 11 18 | 10 56 | 17 43 | 11 54 | 6 16 |
| W24 | 17 13 | 13 31 | 4 15 | 14 12 | 1 6 | 22 23 | 0 6 | 24 0 | 0 31 | 13 59 | 1 14 | 16 27 | 1 11 | 13 30 | 0 47 | 1 59 | 1 38 | 0 24 | 15 7 | 11 17 | 10 57 | 17 46 | 11 53 | 6 16 |
| T 25 | 16 56 | 19 6 | 4 53 | 13 28 | 0 57 | 22 15 | 0 9 | 24 0 | 0 32 | 14 1 | 1 15 | 16 25 | 1 11 | 13 31 | 0 47 | 2 0 | 1 38 | 0 24 | 15 7 | 11 17 | 10 58 | 17 48 | 11 52 | 6 16 |
| F 26 | 16 38 | 23 37 | 5 13 | 12 43 | 0 47 | 22 7 | 0 12 | 23 59 | 0 33 | 14 4 | 1 15 | 16 23 | 1 11 | 13 31 | 0 47 | 2 0 | 1 38 | 0 25 | 15 6 | 11 17 | 10 59 | 17 51 | 11 51 | 6 16 |
| S 27 | 16 20 | 26 43 | 5 14 | 11 58 | 0 36 | 21 58 | 0 14 | 23 58 | 0 34 | 14 7 | 1 15 | 16 20 | 1 11 | 13 32 | 0 47 | 2 1 | 1 38 | 0 25 | 15 6 | 11 17 | 11 0 | 17 53 | 11 49 | 6 16 |
| S 28 | 16 2 | 28 8 | 4 56 | 11 13 | 0 25 | 21 48 | 0 17 | 23 57 | 0 34 | 14 9 | 1 15 | 16 18 | 1 11 | 13 33 | 0 47 | 2 2 | 1 38 | 0 25 | 15 6 | 11 18 | 11 1 | 17 56 | 11 48 | 6 16 |
| M29 | 15 44 | 27 46 | 4 21 | 10 27 | 0 13 | 21 38 | 0 20 | 23 56 | 0 35 | 14 12 | 1 15 | 16 16 | 1 11 | 13 34 | 0 47 | 2 2 | 1 38 | 0 26 | 15 5 | 11 19 | 11 3 | 17 59 | 11 47 | 6 16 |
| T 30 | 15 26 | 25 42 | 3 31 | 9 42 | 0 0 | 21 27 | 0 22 | 23 54 | 0 36 | 14 15 | 1 15 | 16 14 | 1 11 | 13 35 | 0 47 | 2 3 | 1 38 | 0 26 | 15 5 | 11 19 | 11 4 | 18 1 | 11 46 | 6 16 |
| W31 | 15s 7 | 22s12 | 2s31 | 8s58 | 0n13 | 21s15 | 0s25 | 23s52 | 0s37 | 14n18 | 1n15 | 16s12 | 1s11 | 13n36 | 0n47 | 2n 4 | 1s38 | 0n27 | 15s 5 | 11s20 | 11s 5 | 18n 4 | 11s45 | 6n16 |

Julian Day Number = 2223276.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'20, Lahiri = 15°08'20 Julian Calendar 1 Jan. 1375 == Greg. Calendar 9 Jan. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## FEBRUARY 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 15 10 | 20♒13'38 | 15♒23 | 7♓50 | 28♉ 9 | 9♉ 8 | 25°R13 | 19♒29 | 26°R 4 | 8♈58 | 9♉44 | 0°R30 | 1♓10 | 6♉24 | 10♒ 7 | T 1 |
| F 2 | 9 19 7 | 21°14'10 | 28°22 | 9° 7 | 29°24 | 9°52 | 25♌ 6 | 19°36 | 26♌ 1 | 9° 0 | 9°44 | 0°D30 | 1° 7 | 6°31 | 10°12 | F 2 |
| S 3 | 9 23 3 | 22°14'39 | 11♓ 6 | 10°17 | 0♒38 | 10°37 | 24°58 | 19°43 | 25°59 | 9° 1 | 9°45 | 0♓30 | 1° 3 | 6°38 | 10°16 | S 3 |
| S 4 | 9 27 0 | 23°15'07 | 23°34 | 11°20 | 1°53 | 11°22 | 24°50 | 19°51 | 25°56 | 9° 3 | 9°45 | 0°30 | 1° 0 | 6°45 | 10°20 | S 4 |
| M 5 | 9 30 56 | 24°15'33 | 5♈49 | 12°16 | 3° 8 | 12° 6 | 24°42 | 19°58 | 25°53 | 9° 5 | 9°45 | 0°31 | 0°57 | 6°51 | 10°25 | M 5 |
| T 6 | 9 34 53 | 25°15'58 | 17°52 | 13° 4 | 4°22 | 12°51 | 24°34 | 20° 5 | 25°51 | 9° 6 | 9°46 | 0°32 | 0°54 | 6°58 | 10°29 | T 6 |
| W 7 | 9 38 49 | 26°16'20 | 29°48 | 13°43 | 5°37 | 13°36 | 24°26 | 20°12 | 25°48 | 9° 8 | 9°46 | 0°32 | 0°51 | 7° 5 | 10°33 | W 7 |
| T 8 | 9 42 46 | 27°16'41 | 11♉40 | 14°13 | 6°51 | 14°21 | 24°18 | 20°20 | 25°46 | 9°10 | 9°47 | 0°32 | 0°48 | 7°11 | 10°38 | T 8 |
| F 9 | 9 46 42 | 28°16'59 | 23°32 | 14°34 | 8° 6 | 15° 5 | 24°10 | 20°27 | 25°43 | 9°12 | 9°47 | 0°R33 | 0°44 | 7°18 | 10°42 | F 9 |
| S 10 | 9 50 39 | 29°17'16 | 5♊30 | 14°45 | 9°20 | 15°50 | 24° 3 | 20°34 | 25°40 | 9°14 | 9°48 | 0°33 | 0°41 | 7°25 | 10°46 | S 10 |
| S 11 | 9 54 36 | 0♓17'30 | 17°38 | 14°R46 | 10°35 | 16°35 | 23°55 | 20°41 | 25°38 | 9°15 | 9°49 | 0°D33 | 0°38 | 7°32 | 10°51 | S 11 |
| M12 | 9 58 32 | 1°17'43 | 0♋ 0 | 14°38 | 11°49 | 17°20 | 23°47 | 20°49 | 25°35 | 9°17 | 9°49 | 0°33 | 0°35 | 7°38 | 10°55 | M12 |
| T 13 | 10 2 29 | 2°17'53 | 12°41 | 14°20 | 13° 4 | 18° 5 | 23°39 | 20°56 | 25°33 | 9°19 | 9°50 | 0°33 | 0°32 | 7°45 | 10°59 | T 13 |
| W14 | 10 6 25 | 3°18'01 | 25°42 | 13°54 | 14°18 | 18°50 | 23°31 | 21° 3 | 25°30 | 9°21 | 9°50 | 0°33 | 0°28 | 7°52 | 11° 3 | W14 |
| T 15 | 10 10 22 | 4°18'07 | 9♌ 6 | 13°19 | 15°33 | 19°34 | 23°24 | 21°10 | 25°27 | 9°23 | 9°51 | 0°33 | 0°25 | 7°58 | 11° 8 | T 15 |
| F 16 | 10 14 18 | 5°18'11 | 22°53 | 12°37 | 16°48 | 20°19 | 23°16 | 21°17 | 25°25 | 9°25 | 9°52 | 0°33 | 0°22 | 8° 5 | 11°12 | F 16 |
| S 17 | 10 18 15 | 6°18'14 | 6♍59 | 11°49 | 18° 2 | 21° 4 | 23° 9 | 21°24 | 25°22 | 9°27 | 9°52 | 0°R33 | 0°19 | 8°12 | 11°16 | S 17 |
| S 18 | 10 22 11 | 7°18'14 | 21°21 | 10°56 | 19°17 | 21°49 | 23° 1 | 21°31 | 25°20 | 9°29 | 9°53 | 0°33 | 0°16 | 8°19 | 11°20 | S 18 |
| M19 | 10 26 8 | 8°18'12 | 5♎55 | 10° 0 | 20°31 | 22°34 | 22°54 | 21°39 | 25°17 | 9°31 | 9°54 | 0°32 | 0°13 | 8°25 | 11°24 | M19 |
| T 20 | 10 30 5 | 9°18'09 | 20°32 | 9° 1 | 21°45 | 23°19 | 22°46 | 21°46 | 25°15 | 9°33 | 9°54 | 0°32 | 0° 9 | 8°32 | 11°28 | T 20 |
| W21 | 10 34 1 | 10°18'03 | 5♏ 8 | 8° 1 | 23° 0 | 24° 5 | 22°39 | 21°53 | 25°12 | 9°35 | 9°55 | 0°30 | 0° 6 | 8°39 | 11°32 | W21 |
| T 22 | 10 37 58 | 11°17'57 | 19°37 | 7° 2 | 24°14 | 24°50 | 22°32 | 22° 0 | 25°10 | 9°37 | 9°56 | 0°29 | 0° 3 | 8°45 | 11°36 | T 22 |
| F 23 | 10 41 54 | 12°17'48 | 3♐54 | 6° 4 | 25°29 | 25°35 | 22°25 | 22° 7 | 25° 7 | 9°39 | 9°57 | 0°29 | 29♒59 | 8°52 | 11°40 | F 23 |
| S 24 | 10 45 51 | 13°17'38 | 17°57 | 5°10 | 26°43 | 26°20 | 22°18 | 22°14 | 25° 5 | 9°41 | 9°58 | 0°D29 | 29°57 | 8°59 | 11°44 | S 24 |
| S 25 | 10 49 47 | 14°17'26 | 1♑45 | 4°19 | 27°58 | 27° 5 | 22°11 | 22°21 | 25° 2 | 9°43 | 9°58 | 0°29 | 29°53 | 9° 6 | 11°48 | S 25 |
| M26 | 10 53 44 | 15°17'13 | 15°18 | 3°32 | 29°12 | 27°50 | 22° 4 | 22°28 | 25° 0 | 9°45 | 9°59 | 0°30 | 29°50 | 9°12 | 11°52 | M26 |
| T 27 | 10 57 40 | 16°16'58 | 28°36 | 2°51 | 0♓27 | 28°35 | 21°58 | 22°34 | 24°57 | 9°47 | 10° 0 | 0°32 | 29°47 | 9°19 | 11°56 | T 27 |
| W28 | 11 1 37 | 17♓16'41 | 11♒40 | 2♓16 | 1♓41 | 29♉21 | 21♌51 | 22♒41 | 24♌55 | 9♈49 | 10♉ 1 | 0♓33 | 29♒44 | 9♉26 | 12♒ 0 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s48 | 17s36 | 1s23 | 8s15 | 0n27 | 21s 3 | 0s27 | 23s50 | 0s37 | 14n20 | 1n15 | 16s 9 | 1s11 | 13n37 | 0n47 | 2n 4 | 1s38 | 0n27 | 15s 4 | 11s20 | 11s 6 | 18n 7 | 11s43 | 6n16 |
| F 2 | 14 28 | 12 16 | 0 12 | 7 33 | 0 41 | 20 50 | 0 30 | 23 47 | 0 38 | 14 23 | 1 16 | 16 7 | 1 11 | 13 38 | 0 47 | 2 5 | 1 38 | 0 28 | 15 4 | 11 20 | 11 7 | 18 9 | 11 42 | 6 16 |
| S 3 | 14 9 | 6 32 | 0n58 | 6 52 | 0 56 | 20 36 | 0 32 | 23 45 | 0 39 | 14 26 | 1 16 | 16 5 | 1 11 | 13 39 | 0 47 | 2 6 | 1 38 | 0 28 | 15 4 | 11 20 | 11 8 | 18 12 | 11 41 | 6 16 |
| S 4 | 13 49 | 0 40 | 2 4 | 6 14 | 1 11 | 20 22 | 0 34 | 23 42 | 0 40 | 14 29 | 1 16 | 16 3 | 1 11 | 13 39 | 0 47 | 2 6 | 1 38 | 0 28 | 15 3 | 11 20 | 11 9 | 18 14 | 11 40 | 6 17 |
| M 5 | 13 29 | 5n 7 | 3 4 | 5 39 | 1 27 | 20 7 | 0 37 | 23 38 | 0 40 | 14 32 | 1 16 | 16 0 | 1 11 | 13 40 | 0 47 | 2 7 | 1 38 | 0 29 | 15 3 | 11 20 | 11 10 | 18 17 | 11 39 | 6 17 |
| T 6 | 13 9 | 10 38 | 3 53 | 5 6 | 1 42 | 19 52 | 0 39 | 23 35 | 0 41 | 14 34 | 1 16 | 15 58 | 1 11 | 13 41 | 0 47 | 2 8 | 1 37 | 0 29 | 15 3 | 11 19 | 11 12 | 18 20 | 11 37 | 6 17 |
| W 7 | 12 48 | 15 41 | 4 33 | 4 37 | 1 57 | 19 36 | 0 41 | 23 31 | 0 42 | 14 37 | 1 16 | 15 56 | 1 12 | 13 42 | 0 47 | 2 8 | 1 37 | 0 30 | 15 2 | 11 19 | 11 13 | 18 22 | 11 36 | 6 17 |
| T 8 | 12 28 | 20 8 | 5 0 | 4 12 | 2 12 | 19 20 | 0 44 | 23 27 | 0 43 | 14 40 | 1 16 | 15 54 | 1 12 | 13 43 | 0 47 | 2 9 | 1 37 | 0 30 | 15 2 | 11 19 | 11 14 | 18 25 | 11 35 | 6 17 |
| F 9 | 12 7 | 23 48 | 5 15 | 3 50 | 2 27 | 19 2 | 0 46 | 23 23 | 0 43 | 14 42 | 1 16 | 15 51 | 1 12 | 13 44 | 0 47 | 2 10 | 1 37 | 0 31 | 15 2 | 11 19 | 11 15 | 18 27 | 11 34 | 6 17 |
| S 10 | 11 46 | 26 28 | 5 16 | 3 33 | 2 41 | 18 45 | 0 48 | 23 19 | 0 44 | 14 45 | 1 16 | 15 49 | 1 12 | 13 45 | 0 47 | 2 11 | 1 37 | 0 31 | 15 1 | 11 19 | 11 16 | 18 30 | 11 33 | 6 17 |
| S 11 | 11 24 | 27 59 | 5 3 | 3 21 | 2 54 | 18 27 | 0 50 | 23 14 | 0 45 | 14 48 | 1 16 | 15 47 | 1 12 | 13 46 | 0 47 | 2 11 | 1 37 | 0 32 | 15 1 | 11 19 | 11 17 | 18 32 | 11 31 | 6 17 |
| M12 | 11 3 | 28 8 | 4 36 | 3 13 | 3 6 | 18 8 | 0 52 | 23 9 | 0 46 | 14 50 | 1 16 | 15 45 | 1 12 | 13 47 | 0 47 | 2 12 | 1 37 | 0 32 | 15 1 | 11 19 | 11 18 | 18 35 | 11 30 | 6 17 |
| T 13 | 10 42 | 26 49 | 3 55 | 3 10 | 3 16 | 17 49 | 0 54 | 23 4 | 0 47 | 14 53 | 1 16 | 15 42 | 1 12 | 13 47 | 0 47 | 2 13 | 1 37 | 0 32 | 15 1 | 11 19 | 11 19 | 18 37 | 11 29 | 6 17 |
| W14 | 10 20 | 24 3 | 3 2 | 3 12 | 3 25 | 17 29 | 0 56 | 22 59 | 0 47 | 14 56 | 1 16 | 15 40 | 1 12 | 13 48 | 0 47 | 2 14 | 1 37 | 0 33 | 15 0 | 11 19 | 11 21 | 18 40 | 11 28 | 6 17 |
| T 15 | 9 58 | 19 55 | 1 56 | 3 18 | 3 33 | 17 9 | 0 58 | 22 53 | 0 48 | 14 58 | 1 16 | 15 38 | 1 12 | 13 49 | 0 47 | 2 14 | 1 37 | 0 33 | 15 0 | 11 19 | 11 22 | 18 43 | 11 26 | 6 18 |
| F 16 | 9 36 | 14 36 | 0 42 | 3 29 | 3 38 | 16 48 | 1 0 | 22 47 | 0 49 | 15 1 | 1 16 | 15 36 | 1 12 | 13 50 | 0 47 | 2 15 | 1 37 | 0 34 | 15 0 | 11 19 | 11 23 | 18 45 | 11 25 | 6 18 |
| S 17 | 9 14 | 8 26 | 0s36 | 3 44 | 3 42 | 16 27 | 1 2 | 22 41 | 0 50 | 15 3 | 1 17 | 15 33 | 1 12 | 13 51 | 0 47 | 2 16 | 1 37 | 0 34 | 14 59 | 11 19 | 11 24 | 18 48 | 11 24 | 6 18 |
| S 18 | 8 52 | 1 43 | 1 53 | 4 3 | 3 43 | 16 6 | 1 3 | 22 35 | 0 50 | 15 6 | 1 17 | 15 31 | 1 12 | 13 52 | 0 47 | 2 17 | 1 37 | 0 35 | 14 59 | 11 19 | 11 25 | 18 50 | 11 23 | 6 18 |
| M19 | 8 29 | 5s10 | 3 4 | 4 25 | 3 43 | 15 44 | 1 5 | 22 28 | 0 51 | 15 8 | 1 17 | 15 29 | 1 13 | 13 53 | 0 47 | 2 18 | 1 37 | 0 35 | 14 59 | 11 19 | 11 26 | 18 53 | 11 21 | 6 18 |
| T 20 | 8 7 | 11 48 | 4 3 | 4 49 | 3 40 | 15 21 | 1 7 | 22 21 | 0 52 | 15 11 | 1 17 | 15 27 | 1 13 | 13 54 | 0 47 | 2 18 | 1 37 | 0 36 | 14 58 | 11 20 | 11 27 | 18 55 | 11 20 | 6 18 |
| W21 | 7 44 | 17 46 | 4 46 | 5 16 | 3 35 | 14 58 | 1 8 | 22 14 | 0 53 | 15 13 | 1 17 | 15 25 | 1 13 | 13 54 | 0 47 | 2 19 | 1 37 | 0 36 | 14 58 | 11 20 | 11 28 | 18 58 | 11 19 | 6 18 |
| T 22 | 7 21 | 22 41 | 5 11 | 5 44 | 3 29 | 14 35 | 1 10 | 22 7 | 0 54 | 15 15 | 1 17 | 15 22 | 1 13 | 13 55 | 0 47 | 2 20 | 1 37 | 0 37 | 14 58 | 11 20 | 11 30 | 19 0 | 11 18 | 6 19 |
| F 23 | 6 58 | 26 10 | 5 16 | 6 13 | 3 20 | 14 11 | 1 11 | 21 59 | 0 54 | 15 18 | 1 17 | 15 20 | 1 13 | 13 56 | 0 47 | 2 21 | 1 37 | 0 37 | 14 58 | 11 20 | 11 31 | 19 3 | 11 16 | 6 19 |
| S 24 | 6 35 | 27 59 | 5 2 | 6 42 | 3 10 | 13 47 | 1 13 | 21 52 | 0 55 | 15 20 | 1 17 | 15 18 | 1 13 | 13 57 | 0 47 | 2 22 | 1 37 | 0 38 | 14 57 | 11 21 | 11 32 | 19 5 | 11 15 | 6 19 |
| S 25 | 6 12 | 28 1 | 4 31 | 7 11 | 2 59 | 13 23 | 1 14 | 21 44 | 0 56 | 15 22 | 1 17 | 15 16 | 1 13 | 13 58 | 0 47 | 2 23 | 1 37 | 0 38 | 14 57 | 11 20 | 11 33 | 19 8 | 11 14 | 6 19 |
| M26 | 5 49 | 26 22 | 3 45 | 7 39 | 2 47 | 12 58 | 1 15 | 21 35 | 0 57 | 15 24 | 1 17 | 15 14 | 1 13 | 13 58 | 0 47 | 2 23 | 1 37 | 0 39 | 14 57 | 11 20 | 11 34 | 19 10 | 11 13 | 6 19 |
| T 27 | 5 26 | 23 15 | 2 48 | 8 6 | 2 34 | 12 33 | 1 16 | 21 27 | 0 57 | 15 27 | 1 16 | 15 12 | 1 13 | 13 59 | 0 47 | 2 24 | 1 37 | 0 39 | 14 56 | 11 20 | 11 35 | 19 13 | 11 11 | 6 19 |
| W28 | 5s 3 | 18s59 | 1s43 | 8s32 | 2n20 | 12s 7 | 1s18 | 21s18 | 0s58 | 15n29 | 1n16 | 15s 9 | 1s14 | 14n 0 | 0n47 | 2n25 | 1s37 | 0n40 | 14s56 | 11s19 | 11s36 | 19n15 | 11s10 | 6n20 |

Julian Day Number = 2223307.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'24, Lahiri = 15°08'25 Julian Calendar 1 Feb. 1375 == Greg. Calendar 9 Feb. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## MARCH 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 5 34 | 18♓16'22 | 24♒30 | 1°R47 | 2♓56 | 0♒ 6 | 21°R45 | 22♒48 | 24°R53 | 9♈51 | 10♉ 2 | 0°R34 | 29♒41 | 9♉32 | 12♒ 4 | T 1 |
| F 2 | 11 9 30 | 19°16'01 | 7♓ 9 | 1♓24 | 4°10 | 0°51 | 21♌38 | 22°55 | 24♌50 | 9°54 | 10° 3 | 0♓33 | 29°38 | 9°39 | 12° 8 | F 2 |
| S 3 | 11 13 27 | 20°15'38 | 19°36 | 1° 7 | 5°25 | 1°36 | 21°32 | 23° 2 | 24°48 | 9°56 | 10° 4 | 0°32 | 29°34 | 9°46 | 12°11 | S 3 |
| S 4 | 11 17 23 | 21°15'13 | 1♈52 | 0°56 | 6°39 | 2°22 | 21°26 | 23° 8 | 24°46 | 9°58 | 10° 5 | 0°30 | 29°31 | 9°53 | 12°15 | S 4 |
| M 5 | 11 21 20 | 22°14'46 | 14° 0 | 0°D52 | 7°53 | 3° 7 | 21°20 | 23°15 | 24°43 | 10° 0 | 10° 6 | 0°27 | 29°28 | 9°59 | 12°19 | M 5 |
| T 6 | 11 25 16 | 23°14'16 | 26° 0 | 0°53 | 9° 8 | 3°52 | 21°14 | 23°22 | 24°41 | 10° 2 | 10° 6 | 0°23 | 29°25 | 10° 6 | 12°22 | T 6 |
| W 7 | 11 29 13 | 24°13'45 | 7♉54 | 1° 0 | 10°22 | 4°38 | 21° 9 | 23°28 | 24°39 | 10° 4 | 10° 7 | 0°19 | 29°22 | 10°13 | 12°26 | W 7 |
| T 8 | 11 33 9 | 25°13'11 | 19°45 | 1°13 | 11°37 | 5°23 | 21° 3 | 23°35 | 24°37 | 10° 7 | 10° 8 | 0°16 | 29°19 | 10°19 | 12°30 | T 8 |
| F 9 | 11 37 6 | 26°12'35 | 1♊38 | 1°30 | 12°51 | 6° 8 | 20°58 | 23°42 | 24°35 | 10° 9 | 10° 9 | 0°12 | 29°15 | 10°26 | 12°33 | F 9 |
| S 10 | 11 41 2 | 27°11'57 | 13°34 | 1°53 | 14° 5 | 6°54 | 20°52 | 23°48 | 24°33 | 10°11 | 10°10 | 0°10 | 29°12 | 10°33 | 12°37 | S 10 |
| S 11 | 11 44 59 | 28°11'16 | 25°39 | 2°20 | 15°20 | 7°39 | 20°47 | 23°55 | 24°31 | 10°13 | 10°12 | 0°D 9 | 29° 9 | 10°40 | 12°40 | S 11 |
| M12 | 11 48 56 | 29°10'33 | 7♋58 | 2°52 | 16°34 | 8°24 | 20°43 | 24° 1 | 24°29 | 10°16 | 10°13 | 0°10 | 29° 6 | 10°46 | 12°44 | M12 |
| T 13 | 11 52 52 | 0♈ 9'48 | 20°34 | 3°28 | 17°48 | 9°10 | 20°38 | 24° 7 | 24°27 | 10°18 | 10°14 | 0°11 | 29° 3 | 10°53 | 12°47 | T 13 |
| W14 | 11 56 49 | 1° 9'01 | 3♌33 | 4° 8 | 19° 3 | 9°55 | 20°33 | 24°14 | 24°25 | 10°20 | 10°15 | 0°13 | 28°59 | 11° 0 | 12°50 | W14 |
| T 15 | 12 0 45 | 2° 8'11 | 16°57 | 4°52 | 20°17 | 10°41 | 20°29 | 24°20 | 24°23 | 10°22 | 10°16 | 0°14 | 28°56 | 11° 6 | 12°54 | T 15 |
| F 16 | 12 4 42 | 3° 7'18 | 0♍48 | 5°39 | 21°31 | 11°26 | 20°25 | 24°26 | 24°21 | 10°25 | 10°17 | 0°R15 | 28°53 | 11°13 | 12°57 | F 16 |
| S 17 | 12 8 38 | 4° 6'24 | 15° 4 | 6°30 | 22°45 | 12°11 | 20°20 | 24°32 | 24°19 | 10°27 | 10°18 | 0°14 | 28°50 | 11°20 | 13° 0 | S 17 |
| S 18 | 12 12 35 | 5° 5'27 | 29°44 | 7°24 | 24° 0 | 12°57 | 20°17 | 24°39 | 24°17 | 10°29 | 10°19 | 0°11 | 28°47 | 11°27 | 13° 3 | S 18 |
| M19 | 12 16 31 | 6° 4'28 | 14♎40 | 8°20 | 25°14 | 13°42 | 20°13 | 24°45 | 24°15 | 10°31 | 10°20 | 0° 7 | 28°44 | 11°33 | 13° 6 | M19 |
| T 20 | 12 20 28 | 7° 3'27 | 29°43 | 9°20 | 26°28 | 14°28 | 20° 9 | 24°51 | 24°14 | 10°34 | 10°21 | 0° 2 | 28°40 | 11°40 | 13° 9 | T 20 |
| W21 | 12 24 25 | 8° 2'24 | 14♏45 | 10°22 | 27°42 | 15°13 | 20° 6 | 24°57 | 24°12 | 10°36 | 10°23 | 29♒56 | 28°37 | 11°47 | 13°12 | W21 |
| T 22 | 12 28 21 | 9° 1'20 | 29°37 | 11°27 | 28°57 | 15°59 | 20° 3 | 25° 3 | 24°10 | 10°38 | 10°24 | 29°51 | 28°34 | 11°53 | 13°15 | T 22 |
| F 23 | 12 32 18 | 10° 0'13 | 14♐11 | 12°35 | 0♈11 | 16°44 | 20° 0 | 25° 8 | 24° 9 | 10°40 | 10°25 | 29°47 | 28°31 | 12° 0 | 13°18 | F 23 |
| S 24 | 12 36 14 | 10°59'05 | 28°23 | 13°45 | 1°25 | 17°30 | 19°57 | 25°14 | 24° 7 | 10°43 | 10°26 | 29°45 | 28°28 | 12° 7 | 13°21 | S 24 |
| S 25 | 12 40 11 | 11°57'56 | 12♑11 | 14°57 | 2°39 | 18°15 | 19°54 | 25°20 | 24° 6 | 10°45 | 10°27 | 29°D44 | 28°25 | 12°14 | 13°24 | S 25 |
| M26 | 12 44 7 | 12°56'44 | 25°37 | 16°11 | 3°53 | 19° 1 | 19°52 | 25°26 | 24° 4 | 10°47 | 10°29 | 29°45 | 28°21 | 12°20 | 13°27 | M26 |
| T 27 | 12 48 4 | 13°55'31 | 8♒42 | 17°27 | 5° 8 | 19°46 | 19°49 | 25°31 | 24° 3 | 10°49 | 10°30 | 29°46 | 28°18 | 12°27 | 13°29 | T 27 |
| W28 | 12 52 0 | 14°54'16 | 21°30 | 18°46 | 6°22 | 20°32 | 19°47 | 25°37 | 24° 2 | 10°52 | 10°31 | 29°47 | 28°15 | 12°34 | 13°32 | W28 |
| T 29 | 12 55 57 | 15°52'59 | 4♓ 3 | 20° 6 | 7°36 | 21°17 | 19°45 | 25°43 | 24° 0 | 10°54 | 10°32 | 29°R47 | 28°12 | 12°40 | 13°35 | T 29 |
| F 30 | 12 59 54 | 16°51'40 | 16°24 | 21°29 | 8°50 | 22° 3 | 19°43 | 25°48 | 23°59 | 10°56 | 10°34 | 29°46 | 28° 9 | 12°47 | 13°37 | F 30 |
| S 31 | 13 3 50 | 17♈50'19 | 28♓36 | 22♓53 | 10♈ 4 | 22♒48 | 19♌42 | 25♒53 | 23♌58 | 10♈58 | 10♉35 | 29♒42 | 28♒ 5 | 12♉54 | 13♒40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s39 | 13s55 | 0s33 | 8s56 | 2n 5 | 11s41 | 1s19 | 21s 9 | 0s59 | 15n31 | 1n16 | 15s 7 | 1s14 | 14n 1 | 0n47 | 2n26 | 1s37 | 0n40 | 14s56 | 11s19 | 11s37 | 19n18 | 11s 9 | 6n20 |
| F 2 | 4 16 | 8 21 | 0n36 | 9 18 | 1 51 | 11 15 | 1 20 | 21 0 | 1 0 | 15 33 | 1 16 | 15 5 | 1 14 | 14 2 | 0 47 | 2 27 | 1 37 | 0 41 | 14 56 | 11 19 | 11 39 | 19 20 | 11 8 | 6 20 |
| S 3 | 3 52 | 2 33 | 1 43 | 9 37 | 1 36 | 10 49 | 1 21 | 20 51 | 1 0 | 15 35 | 1 16 | 15 3 | 1 14 | 14 2 | 0 47 | 2 28 | 1 37 | 0 42 | 14 55 | 11 19 | 11 40 | 19 23 | 11 7 | 6 20 |
| S 4 | 3 29 | 3n15 | 2 44 | 9 55 | 1 21 | 10 22 | 1 22 | 20 42 | 1 1 | 15 37 | 1 16 | 15 1 | 1 14 | 14 3 | 0 47 | 2 29 | 1 37 | 0 42 | 14 55 | 11 20 | 11 41 | 19 25 | 11 5 | 6 20 |
| M 5 | 3 5 | 8 52 | 3 37 | 10 11 | 1 6 | 9 55 | 1 23 | 20 32 | 1 2 | 15 39 | 1 16 | 14 59 | 1 14 | 14 4 | 0 47 | 2 29 | 1 37 | 0 43 | 14 55 | 11 21 | 11 42 | 19 27 | 11 4 | 6 21 |
| T 6 | 2 42 | 14 5 | 4 19 | 10 24 | 0 51 | 9 28 | 1 23 | 20 22 | 1 3 | 15 40 | 1 16 | 14 57 | 1 14 | 14 5 | 0 47 | 2 30 | 1 37 | 0 43 | 14 55 | 11 22 | 11 43 | 19 30 | 11 3 | 6 21 |
| W 7 | 2 18 | 18 45 | 4 50 | 10 35 | 0 37 | 9 0 | 1 24 | 20 12 | 1 3 | 15 42 | 1 16 | 14 55 | 1 14 | 14 5 | 0 47 | 2 31 | 1 37 | 0 44 | 14 54 | 11 24 | 11 44 | 19 32 | 11 2 | 6 21 |
| T 8 | 1 54 | 22 41 | 5 8 | 10 43 | 0 23 | 8 32 | 1 25 | 20 2 | 1 4 | 15 44 | 1 16 | 14 53 | 1 14 | 14 6 | 0 47 | 2 32 | 1 37 | 0 44 | 14 54 | 11 25 | 11 45 | 19 35 | 11 0 | 6 21 |
| F 9 | 1 31 | 25 40 | 5 13 | 10 50 | 0 10 | 8 4 | 1 25 | 19 51 | 1 5 | 15 45 | 1 16 | 14 51 | 1 15 | 14 7 | 0 47 | 2 33 | 1 37 | 0 45 | 14 54 | 11 26 | 11 46 | 19 37 | 10 59 | 6 22 |
| S 10 | 1 7 | 27 33 | 5 5 | 10 54 | 0s 4 | 7 36 | 1 26 | 19 40 | 1 6 | 15 47 | 1 16 | 14 48 | 1 15 | 14 7 | 0 47 | 2 34 | 1 37 | 0 45 | 14 54 | 11 27 | 11 47 | 19 40 | 10 58 | 6 22 |
| S 11 | 0 43 | 28 10 | 4 43 | 10 56 | 0 16 | 7 8 | 1 26 | 19 29 | 1 6 | 15 49 | 1 16 | 14 46 | 1 15 | 14 8 | 0 47 | 2 35 | 1 37 | 0 46 | 14 53 | 11 27 | 11 49 | 19 42 | 10 57 | 6 22 |
| M12 | 0 20 | 27 24 | 4 8 | 10 56 | 0 28 | 6 39 | 1 27 | 19 18 | 1 7 | 15 50 | 1 16 | 14 44 | 1 15 | 14 9 | 0 47 | 2 36 | 1 37 | 0 46 | 14 53 | 11 27 | 11 50 | 19 45 | 10 56 | 6 22 |
| T 13 | 0n 4 | 25 14 | 3 20 | 10 53 | 0 40 | 6 10 | 1 27 | 19 7 | 1 8 | 15 52 | 1 16 | 14 42 | 1 15 | 14 9 | 0 47 | 2 36 | 1 37 | 0 47 | 14 53 | 11 27 | 11 51 | 19 47 | 10 55 | 6 23 |
| W14 | 0 28 | 21 43 | 2 21 | 10 49 | 0 51 | 5 41 | 1 27 | 18 56 | 1 9 | 15 53 | 1 16 | 14 40 | 1 15 | 14 10 | 0 47 | 2 37 | 1 37 | 0 47 | 14 53 | 11 26 | 11 52 | 19 49 | 10 53 | 6 23 |
| T 15 | 0 51 | 16 57 | 1 12 | 10 43 | 1 2 | 5 12 | 1 28 | 18 44 | 1 9 | 15 54 | 1 15 | 14 38 | 1 15 | 14 11 | 0 47 | 2 38 | 1 37 | 0 48 | 14 53 | 11 26 | 11 53 | 19 52 | 10 52 | 6 23 |
| F 16 | 1 15 | 11 11 | 0s 3 | 10 35 | 1 12 | 4 43 | 1 28 | 18 32 | 1 10 | 15 56 | 1 15 | 14 36 | 1 15 | 14 11 | 0 47 | 2 39 | 1 37 | 0 48 | 14 52 | 11 26 | 11 54 | 19 54 | 10 51 | 6 24 |
| S 17 | 1 38 | 4 40 | 1 20 | 10 25 | 1 21 | 4 14 | 1 28 | 18 20 | 1 11 | 15 57 | 1 15 | 14 35 | 1 16 | 14 12 | 0 47 | 2 40 | 1 37 | 0 49 | 14 52 | 11 26 | 11 55 | 19 57 | 10 50 | 6 24 |
| S 18 | 2 2 | 2s15 | 2 34 | 10 13 | 1 30 | 3 44 | 1 28 | 18 8 | 1 12 | 15 58 | 1 15 | 14 33 | 1 16 | 14 12 | 0 47 | 2 41 | 1 37 | 0 49 | 14 52 | 11 27 | 11 56 | 19 59 | 10 49 | 6 24 |
| M19 | 2 25 | 9 9 | 3 38 | 9 59 | 1 38 | 3 15 | 1 28 | 17 55 | 1 12 | 15 59 | 1 15 | 14 31 | 1 16 | 14 13 | 0 47 | 2 42 | 1 37 | 0 50 | 14 52 | 11 28 | 11 57 | 20 1 | 10 48 | 6 24 |
| T 20 | 2 49 | 15 35 | 4 28 | 9 44 | 1 46 | 2 45 | 1 28 | 17 43 | 1 13 | 16 0 | 1 15 | 14 29 | 1 16 | 14 13 | 0 47 | 2 43 | 1 37 | 0 50 | 14 52 | 11 30 | 11 59 | 20 4 | 10 46 | 6 25 |
| W21 | 3 12 | 21 5 | 4 59 | 9 27 | 1 53 | 2 15 | 1 27 | 17 30 | 1 14 | 16 1 | 1 15 | 14 27 | 1 16 | 14 14 | 0 47 | 2 44 | 1 37 | 0 51 | 14 51 | 11 32 | 12 0 | 20 6 | 10 45 | 6 25 |
| T 22 | 3 35 | 25 11 | 5 10 | 9 8 | 2 0 | 1 45 | 1 27 | 17 17 | 1 14 | 16 2 | 1 15 | 14 25 | 1 16 | 14 15 | 0 47 | 2 44 | 1 37 | 0 51 | 14 51 | 11 34 | 12 1 | 20 8 | 10 44 | 6 25 |
| F 23 | 3 59 | 27 33 | 5 0 | 8 48 | 2 6 | 1 15 | 1 27 | 17 4 | 1 15 | 16 3 | 1 15 | 14 23 | 1 17 | 14 15 | 0 47 | 2 45 | 1 37 | 0 52 | 14 51 | 11 35 | 12 2 | 20 11 | 10 43 | 6 26 |
| S 24 | 4 22 | 28 3 | 4 32 | 8 26 | 2 11 | 0 45 | 1 26 | 16 51 | 1 16 | 16 4 | 1 14 | 14 21 | 1 17 | 14 16 | 0 47 | 2 46 | 1 37 | 0 53 | 14 51 | 11 36 | 12 3 | 20 13 | 10 42 | 6 26 |
| S 25 | 4 45 | 26 46 | 3 49 | 8 3 | 2 16 | 0 15 | 1 26 | 16 37 | 1 17 | 16 4 | 1 14 | 14 20 | 1 17 | 14 16 | 0 47 | 2 47 | 1 37 | 0 53 | 14 51 | 11 36 | 12 4 | 20 15 | 10 41 | 6 26 |
| M26 | 5 8 | 23 57 | 2 54 | 7 38 | 2 21 | 0n15 | 1 26 | 16 24 | 1 17 | 16 5 | 1 14 | 14 18 | 1 17 | 14 16 | 0 46 | 2 48 | 1 37 | 0 54 | 14 50 | 11 36 | 12 5 | 20 18 | 10 40 | 6 27 |
| T 27 | 5 31 | 19 56 | 1 52 | 7 11 | 2 25 | 0 45 | 1 25 | 16 10 | 1 18 | 16 6 | 1 14 | 14 16 | 1 17 | 14 17 | 0 46 | 2 49 | 1 37 | 0 54 | 14 50 | 11 36 | 12 6 | 20 20 | 10 39 | 6 27 |
| W28 | 5 54 | 15 5 | 0 45 | 6 44 | 2 28 | 1 15 | 1 24 | 15 56 | 1 19 | 16 6 | 1 14 | 14 14 | 1 17 | 14 17 | 0 46 | 2 50 | 1 37 | 0 55 | 14 50 | 11 35 | 12 7 | 20 22 | 10 38 | 6 27 |
| T 29 | 6 16 | 9 42 | 0n23 | 6 15 | 2 31 | 1 45 | 1 24 | 15 42 | 1 19 | 16 7 | 1 14 | 14 12 | 1 17 | 14 18 | 0 46 | 2 51 | 1 37 | 0 55 | 14 50 | 11 35 | 12 9 | 20 25 | 10 37 | 6 28 |
| F 30 | 6 39 | 4 2 | 1 28 | 5 44 | 2 33 | 2 15 | 1 23 | 15 28 | 1 20 | 16 7 | 1 14 | 14 11 | 1 18 | 14 18 | 0 46 | 2 52 | 1 37 | 0 56 | 14 50 | 11 36 | 12 10 | 20 27 | 10 36 | 6 28 |
| S 31 | 7n 1 | 1n43 | 2n29 | 5s12 | 2s35 | 2n45 | 1s22 | 15s14 | 1s21 | 16n 8 | 1n14 | 14s 9 | 1s18 | 14n19 | 0n46 | 2n52 | 1s37 | 0n56 | 14s50 | 11s37 | 12s11 | 20n29 | 10s35 | 6n28 |

Julian Day Number = 2223335.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'28, Lahiri = 15°08'29 Julian Calendar 1 March 1375 == Greg. Calendar 9 March 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## APRIL 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 7 47 | 18♈48'57 | 10♈41 | 24♓19 | 11♈18 | 23♒34 | 19°R40 | 25♒59 | 23°R57 | 11♈ 1 | 10♉36 | 29°R36 | 28♒ 2 | 13♉ 1 | 13♒42 | S 1 |
| M 2 | 13 11 43 | 19°47'32 | 22°40 | 25°47 | 12°32 | 24°19 | 19♌39 | 26° 4 | 23♌55 | 11° 3 | 10°37 | 29♒28 | 27°59 | 13° 7 | 13°45 | M 2 |
| T 3 | 13 15 40 | 20°46'06 | 4♉35 | 27°17 | 13°47 | 25° 5 | 19°38 | 26° 9 | 23°54 | 11° 5 | 10°39 | 29°18 | 27°56 | 13°14 | 13°47 | T 3 |
| W 4 | 13 19 36 | 21°44'38 | 16°27 | 28°49 | 15° 1 | 25°50 | 19°37 | 26°15 | 23°53 | 11° 7 | 10°40 | 29° 8 | 27°53 | 13°21 | 13°49 | W 4 |
| T 5 | 13 23 33 | 22°43'07 | 28°18 | 0♈22 | 16°15 | 26°35 | 19°37 | 26°20 | 23°52 | 11°10 | 10°41 | 28°58 | 27°50 | 13°28 | 13°52 | T 5 |
| F 6 | 13 27 29 | 23°41'35 | 10♊11 | 1°57 | 17°29 | 27°21 | 19°36 | 26°25 | 23°51 | 11°12 | 10°42 | 28°49 | 27°46 | 13°34 | 13°54 | F 6 |
| S 7 | 13 31 26 | 24°40'01 | 22° 8 | 3°34 | 18°43 | 28° 6 | 19°36 | 26°30 | 23°50 | 11°14 | 10°44 | 28°42 | 27°43 | 13°41 | 13°56 | S 7 |
| S 8 | 13 35 23 | 25°38'24 | 4♋13 | 5°13 | 19°57 | 28°52 | 19°D36 | 26°34 | 23°50 | 11°16 | 10°45 | 28°38 | 27°40 | 13°48 | 13°58 | S 8 |
| M 9 | 13 39 19 | 26°36'46 | 16°29 | 6°53 | 21°11 | 29°37 | 19°36 | 26°39 | 23°49 | 11°19 | 10°46 | 28°35 | 27°37 | 13°54 | 14° 0 | M 9 |
| T 10 | 13 43 16 | 27°35'05 | 29° 1 | 8°35 | 22°25 | 0♓23 | 19°36 | 26°44 | 23°48 | 11°21 | 10°48 | 28°D35 | 27°34 | 14° 1 | 14° 2 | T 10 |
| W11 | 13 47 12 | 28°33'22 | 11♌54 | 10°19 | 23°39 | 1° 8 | 19°37 | 26°49 | 23°47 | 11°23 | 10°49 | 28°35 | 27°30 | 14° 8 | 14° 4 | W11 |
| T 12 | 13 51 9 | 29°31'37 | 25°11 | 12° 5 | 24°53 | 1°53 | 19°37 | 26°53 | 23°47 | 11°25 | 10°50 | 28°R36 | 27°27 | 14°15 | 14° 6 | T 12 |
| F 13 | 13 55 5 | 0♉29'50 | 8♍57 | 13°52 | 26° 7 | 2°39 | 19°38 | 26°58 | 23°46 | 11°27 | 10°52 | 28°36 | 27°24 | 14°21 | 14° 7 | F 13 |
| S 14 | 13 59 2 | 1°28'01 | 23°11 | 15°41 | 27°21 | 3°24 | 19°39 | 27° 2 | 23°46 | 11°29 | 10°53 | 28°33 | 27°21 | 14°28 | 14° 9 | S 14 |
| S 15 | 14 2 58 | 2°26'09 | 7♎52 | 17°32 | 28°35 | 4° 9 | 19°40 | 27° 7 | 23°45 | 11°32 | 10°54 | 28°29 | 27°18 | 14°35 | 14°11 | S 15 |
| M16 | 14 6 55 | 3°24'16 | 22°56 | 19°25 | 29°49 | 4°55 | 19°42 | 27°11 | 23°45 | 11°34 | 10°56 | 28°22 | 27°15 | 14°41 | 14°12 | M16 |
| T 17 | 14 10 52 | 4°22'22 | 8♏12 | 21°19 | 1♉ 3 | 5°40 | 19°43 | 27°15 | 23°44 | 11°36 | 10°57 | 28°13 | 27°11 | 14°48 | 14°14 | T 17 |
| W18 | 14 14 48 | 5°20'25 | 23°31 | 23°15 | 2°17 | 6°25 | 19°45 | 27°19 | 23°44 | 11°38 | 10°58 | 28° 3 | 27° 8 | 14°55 | 14°16 | W18 |
| T 19 | 14 18 45 | 6°18'27 | 8♐40 | 25°13 | 3°31 | 7°11 | 19°47 | 27°23 | 23°44 | 11°40 | 11° 0 | 27°54 | 27° 5 | 15° 2 | 14°17 | T 19 |
| F 20 | 14 22 41 | 7°16'28 | 23°31 | 27°13 | 4°45 | 7°56 | 19°49 | 27°27 | 23°44 | 11°42 | 11° 1 | 27°46 | 27° 2 | 15° 8 | 14°18 | F 20 |
| S 21 | 14 26 38 | 8°14'27 | 7♑56 | 29°14 | 5°58 | 8°41 | 19°51 | 27°31 | 23°43 | 11°44 | 11° 3 | 27°40 | 26°59 | 15°15 | 14°20 | S 21 |
| S 22 | 14 30 34 | 9°12'25 | 21°53 | 1♉17 | 7°12 | 9°26 | 19°54 | 27°35 | 23°43 | 11°46 | 11° 4 | 27°37 | 26°56 | 15°22 | 14°21 | S 22 |
| M23 | 14 34 31 | 10°10'21 | 5♒22 | 3°22 | 8°26 | 10°12 | 19°56 | 27°39 | 23°D43 | 11°48 | 11° 5 | 27°D36 | 26°52 | 15°28 | 14°22 | M23 |
| T 24 | 14 38 27 | 11° 8'17 | 18°26 | 5°28 | 9°40 | 10°57 | 19°59 | 27°42 | 23°43 | 11°50 | 11° 7 | 27°36 | 26°49 | 15°35 | 14°23 | T 24 |
| W25 | 14 42 24 | 12° 6'10 | 1♓ 8 | 7°35 | 10°54 | 11°42 | 20° 2 | 27°46 | 23°43 | 11°53 | 11° 8 | 27°R36 | 26°46 | 15°42 | 14°24 | W25 |
| T 26 | 14 46 21 | 13° 4'03 | 13°32 | 9°44 | 12° 8 | 12°27 | 20° 5 | 27°50 | 23°43 | 11°55 | 11° 9 | 27°35 | 26°43 | 15°49 | 14°25 | T 26 |
| F 27 | 14 50 17 | 14° 1'54 | 25°44 | 11°53 | 13°22 | 13°12 | 20° 9 | 27°53 | 23°44 | 11°57 | 11°11 | 27°32 | 26°40 | 15°55 | 14°26 | F 27 |
| S 28 | 14 54 14 | 14°59'44 | 7♈46 | 14° 3 | 14°36 | 13°57 | 20°12 | 27°56 | 23°44 | 11°58 | 11°12 | 27°27 | 26°36 | 16° 2 | 14°27 | S 28 |
| S 29 | 14 58 10 | 15°57'33 | 19°43 | 16°14 | 15°49 | 14°42 | 20°16 | 27°59 | 23°44 | 12° 0 | 11°13 | 27°18 | 26°33 | 16° 9 | 14°28 | S 29 |
| M30 | 15 2 7 | 16♉55'20 | 1♉36 | 18♉25 | 17♉ 3 | 15♓27 | 20♌20 | 28♒ 3 | 23♌44 | 12♈ 2 | 11♉15 | 27♒ 7 | 26♒30 | 16♉16 | 14♒29 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n24 | 7n20 | 3n22 | 4s39 | 2s36 | 3n15 | 1s21 | 15s 0 | 1s21 | 16n 8 | 1n13 | 14s 7 | 1s18 | 14n19 | 0n46 | 2n53 | 1s37 | 0n57 | 14s50 | 11s39 | 12s12 | 20n32 | 10s34 | 6n29 |
| M 2 | 7 46 | 12 38 | 4 5 | 4 4 | 2 37 | 3 44 | 1 20 | 14 45 | 1 22 | 16 8 | 1 13 | 14 6 | 1 18 | 14 19 | 0 46 | 2 54 | 1 37 | 0 57 | 14 49 | 11 42 | 12 13 | 20 34 | 10 33 | 6 29 |
| T 3 | 8 8 | 17 27 | 4 38 | 3 29 | 2 37 | 4 14 | 1 19 | 14 30 | 1 23 | 16 8 | 1 13 | 14 4 | 1 18 | 14 20 | 0 46 | 2 55 | 1 37 | 0 58 | 14 49 | 11 45 | 12 14 | 20 36 | 10 32 | 6 29 |
| W 4 | 8 30 | 21 34 | 4 58 | 2 52 | 2 36 | 4 44 | 1 18 | 14 16 | 1 23 | 16 8 | 1 13 | 14 3 | 1 18 | 14 20 | 0 46 | 2 56 | 1 37 | 0 58 | 14 49 | 11 49 | 12 15 | 20 39 | 10 31 | 6 30 |
| T 5 | 8 52 | 24 48 | 5 5 | 2 14 | 2 35 | 5 13 | 1 17 | 14 1 | 1 24 | 16 8 | 1 13 | 14 1 | 1 19 | 14 20 | 0 46 | 2 57 | 1 37 | 0 59 | 14 49 | 11 52 | 12 16 | 20 41 | 10 30 | 6 30 |
| F 6 | 9 14 | 26 59 | 4 59 | 1 34 | 2 34 | 5 43 | 1 16 | 13 46 | 1 25 | 16 8 | 1 13 | 13 59 | 1 19 | 14 20 | 0 46 | 2 58 | 1 37 | 0 59 | 14 49 | 11 55 | 12 17 | 20 43 | 10 29 | 6 30 |
| S 7 | 9 35 | 27 57 | 4 40 | 0 54 | 2 32 | 6 12 | 1 15 | 13 30 | 1 25 | 16 8 | 1 13 | 13 58 | 1 19 | 14 21 | 0 46 | 2 58 | 1 37 | 1 0 | 14 49 | 11 58 | 12 18 | 20 45 | 10 28 | 6 31 |
| S 8 | 9 57 | 27 36 | 4 9 | 0 12 | 2 29 | 6 42 | 1 14 | 13 15 | 1 26 | 16 8 | 1 13 | 13 56 | 1 19 | 14 21 | 0 46 | 2 59 | 1 37 | 1 0 | 14 49 | 11 59 | 12 20 | 20 48 | 10 27 | 6 31 |
| M 9 | 10 18 | 25 54 | 3 25 | 0n30 | 2 26 | 7 11 | 1 12 | 13 0 | 1 27 | 16 8 | 1 12 | 13 55 | 1 19 | 14 21 | 0 46 | 3 0 | 1 37 | 1 1 | 14 49 | 12 0 | 12 21 | 20 50 | 10 26 | 6 31 |
| T 10 | 10 39 | 22 54 | 2 31 | 1 14 | 2 23 | 7 40 | 1 11 | 12 44 | 1 27 | 16 8 | 1 12 | 13 53 | 1 19 | 14 21 | 0 46 | 3 1 | 1 37 | 1 1 | 14 49 | 12 0 | 12 22 | 20 52 | 10 25 | 6 32 |
| W11 | 11 0 | 18 41 | 1 28 | 1 59 | 2 19 | 8 8 | 1 9 | 12 29 | 1 28 | 16 8 | 1 12 | 13 52 | 1 20 | 14 22 | 0 46 | 3 2 | 1 37 | 1 2 | 14 48 | 12 0 | 12 23 | 20 54 | 10 24 | 6 32 |
| T 12 | 11 21 | 13 27 | 0 18 | 2 44 | 2 14 | 8 37 | 1 8 | 12 13 | 1 28 | 16 7 | 1 12 | 13 51 | 1 20 | 14 22 | 0 46 | 3 3 | 1 37 | 1 2 | 14 48 | 12 0 | 12 24 | 20 57 | 10 23 | 6 33 |
| F 13 | 11 41 | 7 24 | 0s55 | 3 31 | 2 9 | 9 5 | 1 6 | 11 57 | 1 29 | 16 7 | 1 12 | 13 49 | 1 20 | 14 22 | 0 46 | 3 4 | 1 37 | 1 2 | 14 48 | 12 0 | 12 25 | 20 59 | 10 22 | 6 33 |
| S 14 | 12 1 | 0 46 | 2 7 | 4 18 | 2 3 | 9 33 | 1 5 | 11 41 | 1 30 | 16 6 | 1 12 | 13 48 | 1 20 | 14 22 | 0 46 | 3 4 | 1 37 | 1 3 | 14 48 | 12 1 | 12 26 | 21 1 | 10 22 | 6 33 |
| S 15 | 12 22 | 6s 5 | 3 13 | 5 6 | 1 57 | 10 1 | 1 3 | 11 25 | 1 30 | 16 6 | 1 11 | 13 46 | 1 20 | 14 22 | 0 46 | 3 5 | 1 37 | 1 3 | 14 48 | 12 3 | 12 27 | 21 3 | 10 21 | 6 34 |
| M16 | 12 42 | 12 46 | 4 7 | 5 55 | 1 50 | 10 29 | 1 2 | 11 9 | 1 31 | 16 5 | 1 11 | 13 45 | 1 21 | 14 22 | 0 46 | 3 6 | 1 37 | 1 4 | 14 48 | 12 5 | 12 28 | 21 6 | 10 20 | 6 34 |
| T 17 | 13 1 | 18 46 | 4 44 | 6 45 | 1 43 | 10 57 | 1 0 | 10 53 | 1 31 | 16 5 | 1 11 | 13 44 | 1 21 | 14 22 | 0 46 | 3 7 | 1 37 | 1 4 | 14 48 | 12 8 | 12 29 | 21 8 | 10 19 | 6 34 |
| W18 | 13 21 | 23 35 | 5 2 | 7 35 | 1 35 | 11 24 | 0 58 | 10 37 | 1 32 | 16 4 | 1 11 | 13 43 | 1 21 | 14 22 | 0 46 | 3 8 | 1 37 | 1 5 | 14 48 | 12 12 | 12 30 | 21 10 | 10 18 | 6 35 |
| T 19 | 13 40 | 26 43 | 4 57 | 8 26 | 1 27 | 11 51 | 0 56 | 10 20 | 1 33 | 16 3 | 1 11 | 13 41 | 1 21 | 14 22 | 0 46 | 3 8 | 1 37 | 1 5 | 14 48 | 12 15 | 12 32 | 21 12 | 10 17 | 6 35 |
| F 20 | 13 59 | 27 54 | 4 33 | 9 17 | 1 19 | 12 17 | 0 55 | 10 4 | 1 33 | 16 2 | 1 11 | 13 40 | 1 21 | 14 23 | 0 46 | 3 9 | 1 37 | 1 6 | 14 48 | 12 17 | 12 33 | 21 14 | 10 17 | 6 36 |
| S 21 | 14 18 | 27 8 | 3 51 | 10 9 | 1 10 | 12 44 | 0 53 | 9 47 | 1 34 | 16 2 | 1 11 | 13 39 | 1 21 | 14 23 | 0 46 | 3 10 | 1 37 | 1 6 | 14 48 | 12 19 | 12 34 | 21 17 | 10 16 | 6 36 |
| S 22 | 14 37 | 24 39 | 2 57 | 11 1 | 1 1 | 13 10 | 0 51 | 9 31 | 1 34 | 16 1 | 1 10 | 13 38 | 1 22 | 14 23 | 0 46 | 3 11 | 1 37 | 1 6 | 14 48 | 12 20 | 12 35 | 21 19 | 10 15 | 6 36 |
| M23 | 14 55 | 20 51 | 1 55 | 11 53 | 0 51 | 13 36 | 0 49 | 9 14 | 1 35 | 16 0 | 1 10 | 13 37 | 1 22 | 14 23 | 0 45 | 3 12 | 1 37 | 1 7 | 14 48 | 12 21 | 12 36 | 21 21 | 10 15 | 6 37 |
| T 24 | 15 13 | 16 8 | 0 49 | 12 44 | 0 41 | 14 1 | 0 47 | 8 57 | 1 35 | 15 59 | 1 10 | 13 36 | 1 22 | 14 22 | 0 45 | 3 12 | 1 37 | 1 7 | 14 48 | 12 21 | 12 37 | 21 23 | 10 14 | 6 37 |
| W25 | 15 31 | 10 49 | 0n19 | 13 36 | 0 31 | 14 26 | 0 45 | 8 41 | 1 36 | 15 58 | 1 10 | 13 35 | 1 22 | 14 22 | 0 45 | 3 13 | 1 37 | 1 8 | 14 48 | 12 21 | 12 38 | 21 25 | 10 13 | 6 38 |
| T 26 | 15 49 | 5 13 | 1 23 | 14 27 | 0 21 | 14 51 | 0 43 | 8 24 | 1 36 | 15 56 | 1 10 | 13 34 | 1 22 | 14 22 | 0 45 | 3 14 | 1 37 | 1 8 | 14 48 | 12 21 | 12 39 | 21 28 | 10 12 | 6 38 |
| F 27 | 16 6 | 0n29 | 2 23 | 15 17 | 0 10 | 15 16 | 0 41 | 8 7 | 1 37 | 15 55 | 1 10 | 13 33 | 1 23 | 14 22 | 0 45 | 3 15 | 1 37 | 1 9 | 14 48 | 12 22 | 12 40 | 21 30 | 10 12 | 6 38 |
| S 28 | 16 23 | 6 5 | 3 15 | 16 7 | 0n 0 | 15 40 | 0 39 | 7 50 | 1 37 | 15 54 | 1 10 | 13 32 | 1 23 | 14 22 | 0 45 | 3 15 | 1 37 | 1 9 | 14 48 | 12 24 | 12 41 | 21 32 | 10 11 | 6 39 |
| S 29 | 16 40 | 11 25 | 3 58 | 16 55 | 0 11 | 16 3 | 0 36 | 7 33 | 1 38 | 15 53 | 1 9 | 13 31 | 1 23 | 14 22 | 0 45 | 3 16 | 1 37 | 1 9 | 14 48 | 12 27 | 12 42 | 21 34 | 10 11 | 6 39 |
| M30 | 16n57 | 16n18 | 4n31 | 17n43 | 0n21 | 16n26 | 0s34 | 7s16 | 1s38 | 15n51 | 1n 9 | 13s30 | 1s23 | 14n22 | 0n45 | 3n17 | 1s37 | 1n10 | 14s48 | 12s31 | 12s43 | 21n36 | 10s10 | 6n40 |

Julian Day Number = 2223366.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'32, Lahiri = 15°08'33 Julian Calendar 1 Apr. 1375 == Greg. Calendar 9 Apr. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## MAY 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 6 3 | 17♉53'06 | 13♉28 | 20♉37 | 18♉17 | 16♓12 | 20♌24 | 28♒ 6 | 23♌45 | 12♈ 4 | 11♉16 | 26°R54 | 26♒27 | 16♉22 | 14♒29 | T 1 |
| W 2 | 15 10 0 | 18°50'51 | 25°20 | 22°48 | 19°31 | 16°57 | 20°28 | 28° 9 | 23°45 | 12° 6 | 11°17 | 26♒40 | 26°24 | 16°29 | 14°30 | W 2 |
| T 3 | 15 13 56 | 19°48'34 | 7♊13 | 24°58 | 20°45 | 17°42 | 20°32 | 28°12 | 23°46 | 12° 8 | 11°19 | 26°26 | 26°21 | 16°36 | 14°30 | T 3 |
| F 4 | 15 17 53 | 20°46'16 | 19° 9 | 27° 8 | 21°59 | 18°27 | 20°37 | 28°14 | 23°46 | 12°10 | 11°20 | 26°14 | 26°17 | 16°42 | 14°31 | F 4 |
| S 5 | 15 21 50 | 21°43'56 | 1♋11 | 29°17 | 23°12 | 19°12 | 20°41 | 28°17 | 23°47 | 12°12 | 11°21 | 26° 4 | 26°14 | 16°49 | 14°31 | S 5 |
| S 6 | 15 25 46 | 22°41'35 | 13°19 | 1♊24 | 24°26 | 19°57 | 20°46 | 28°20 | 23°48 | 12°14 | 11°23 | 25°56 | 26°11 | 16°56 | 14°32 | S 6 |
| M 7 | 15 29 43 | 23°39'13 | 25°38 | 3°30 | 25°40 | 20°41 | 20°51 | 28°22 | 23°48 | 12°16 | 11°24 | 25°52 | 26° 8 | 17° 3 | 14°32 | M 7 |
| T 8 | 15 33 39 | 24°36'49 | 8♌10 | 5°34 | 26°54 | 21°26 | 20°56 | 28°25 | 23°49 | 12°17 | 11°25 | 25°50 | 26° 5 | 17° 9 | 14°32 | T 8 |
| W 9 | 15 37 36 | 25°34'23 | 21° 1 | 7°37 | 28° 8 | 22°11 | 21° 1 | 28°27 | 23°50 | 12°19 | 11°27 | 25°49 | 26° 2 | 17°16 | 14°32 | W 9 |
| T 10 | 15 41 32 | 26°31'56 | 4♍13 | 9°37 | 29°21 | 22°55 | 21° 7 | 28°29 | 23°51 | 12°21 | 11°28 | 25°49 | 25°58 | 17°23 | 14°33 | T 10 |
| F 11 | 15 45 29 | 27°29'28 | 17°50 | 11°35 | 0♊35 | 23°40 | 21°12 | 28°31 | 23°52 | 12°23 | 11°29 | 25°48 | 25°55 | 17°29 | 14°R33 | F 11 |
| S 12 | 15 49 25 | 28°26'58 | 1♎55 | 13°30 | 1°49 | 24°24 | 21°18 | 28°33 | 23°52 | 12°24 | 11°31 | 25°46 | 25°52 | 17°36 | 14°33 | S 12 |
| S 13 | 15 53 22 | 29°24'26 | 16°27 | 15°23 | 3° 2 | 25° 9 | 21°24 | 28°35 | 23°53 | 12°26 | 11°32 | 25°40 | 25°49 | 17°43 | 14°32 | S 13 |
| M14 | 15 57 19 | 0♊21'54 | 1♏23 | 17°14 | 4°16 | 25°53 | 21°30 | 28°37 | 23°55 | 12°28 | 11°33 | 25°33 | 25°46 | 17°50 | 14°32 | M14 |
| T 15 | 16 1 15 | 1°19'20 | 16°35 | 19° 1 | 5°30 | 26°38 | 21°36 | 28°39 | 23°56 | 12°29 | 11°35 | 25°23 | 25°42 | 17°56 | 14°32 | T 15 |
| W16 | 16 5 12 | 2°16'45 | 1♐53 | 20°46 | 6°44 | 27°22 | 21°42 | 28°40 | 23°57 | 12°31 | 11°36 | 25°12 | 25°39 | 18° 3 | 14°32 | W16 |
| T 17 | 16 9 8 | 3°14'10 | 17° 7 | 22°29 | 7°57 | 28° 6 | 21°48 | 28°42 | 23°58 | 12°33 | 11°37 | 25° 2 | 25°36 | 18°10 | 14°32 | T 17 |
| F 18 | 16 13 5 | 4°11'33 | 2♑ 5 | 24° 8 | 9°11 | 28°51 | 21°55 | 28°44 | 23°59 | 12°34 | 11°38 | 24°53 | 25°33 | 18°17 | 14°31 | F 18 |
| S 19 | 16 17 1 | 5° 8'56 | 16°39 | 25°45 | 10°25 | 29°35 | 22° 2 | 28°45 | 24° 1 | 12°36 | 11°40 | 24°47 | 25°30 | 18°23 | 14°31 | S 19 |
| S 20 | 16 20 58 | 6° 6'18 | 0♒44 | 27°19 | 11°38 | 0♈19 | 22° 9 | 28°46 | 24° 2 | 12°37 | 11°41 | 24°43 | 25°27 | 18°30 | 14°30 | S 20 |
| M21 | 16 24 54 | 7° 3'39 | 14°20 | 28°50 | 12°52 | 1° 3 | 22°15 | 28°47 | 24° 3 | 12°39 | 11°42 | 24°41 | 25°23 | 18°37 | 14°30 | M21 |
| T 22 | 16 28 51 | 8° 1'00 | 27°28 | 0♋18 | 14° 6 | 1°47 | 22°23 | 28°48 | 24° 5 | 12°40 | 11°43 | 24°D41 | 25°20 | 18°43 | 14°29 | T 22 |
| W23 | 16 32 48 | 8°58'20 | 10♓12 | 1°44 | 15°19 | 2°31 | 22°30 | 28°49 | 24° 6 | 12°42 | 11°45 | 24°R41 | 25°17 | 18°50 | 14°28 | W23 |
| T 24 | 16 36 44 | 9°55'39 | 22°36 | 3° 6 | 16°33 | 3°15 | 22°37 | 28°50 | 24° 8 | 12°43 | 11°46 | 24°40 | 25°14 | 18°57 | 14°27 | T 24 |
| F 25 | 16 40 41 | 10°52'58 | 4♈45 | 4°26 | 17°47 | 3°59 | 22°45 | 28°51 | 24°10 | 12°44 | 11°47 | 24°38 | 25°11 | 19° 4 | 14°27 | F 25 |
| S 26 | 16 44 37 | 11°50'17 | 16°45 | 5°42 | 19° 0 | 4°43 | 22°52 | 28°52 | 24°11 | 12°46 | 11°48 | 24°33 | 25° 8 | 19°10 | 14°26 | S 26 |
| S 27 | 16 48 34 | 12°47'35 | 28°38 | 6°56 | 20°14 | 5°27 | 23° 0 | 28°52 | 24°13 | 12°47 | 11°50 | 24°26 | 25° 4 | 19°17 | 14°25 | S 27 |
| M28 | 16 52 30 | 13°44'53 | 10♉29 | 8° 6 | 21°28 | 6°10 | 23° 8 | 28°53 | 24°15 | 12°48 | 11°51 | 24°16 | 25° 1 | 19°24 | 14°24 | M28 |
| T 29 | 16 56 27 | 14°42'10 | 22°20 | 9°13 | 22°41 | 6°54 | 23°16 | 28°53 | 24°17 | 12°50 | 11°52 | 24° 4 | 24°58 | 19°31 | 14°23 | T 29 |
| W30 | 17 0 23 | 15°39'27 | 4♊14 | 10°17 | 23°55 | 7°37 | 23°24 | 28°54 | 24°18 | 12°51 | 11°53 | 23°52 | 24°55 | 19°37 | 14°22 | W30 |
| T 31 | 17 4 20 | 16♊36'43 | 16♊13 | 11♋18 | 25♊ 9 | 8♈21 | 23♌32 | 28♒54 | 24♌20 | 12♈52 | 11♉54 | 23♒40 | 24♒52 | 19♉44 | 14♒20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n13 | 20n34 | 4n52 | 18n28 | 0n32 | 16n49 | 0s32 | 6s59 | 1s39 | 15n50 | 1n 9 | 13s29 | 1s23 | 14n22 | 0n45 | 3n18 | 1s38 | 1n10 | 14s48 | 12s35 | 12s45 | 21n38 | 10s 9 | 6n40 |
| W 2 | 17 29 | 24 0 | 4 59 | 19 12 | 0 42 | 17 12 | 0 30 | 6 42 | 1 39 | 15 48 | 1 9 | 13 28 | 1 24 | 14 22 | 0 45 | 3 18 | 1 38 | 1 11 | 14 48 | 12 40 | 12 46 | 21 40 | 10 9 | 6 40 |
| T 3 | 17 45 | 26 26 | 4 54 | 19 55 | 0 52 | 17 34 | 0 28 | 6 24 | 1 40 | 15 47 | 1 9 | 13 27 | 1 24 | 14 21 | 0 45 | 3 19 | 1 38 | 1 11 | 14 48 | 12 45 | 12 47 | 21 42 | 10 8 | 6 41 |
| F 4 | 18 1 | 27 40 | 4 36 | 20 35 | 1 1 | 17 55 | 0 25 | 6 7 | 1 40 | 15 45 | 1 9 | 13 26 | 1 24 | 14 21 | 0 45 | 3 20 | 1 38 | 1 11 | 14 48 | 12 49 | 12 48 | 21 45 | 10 8 | 6 41 |
| S 5 | 18 16 | 27 37 | 4 6 | 21 13 | 1 10 | 18 16 | 0 23 | 5 50 | 1 41 | 15 44 | 1 9 | 13 26 | 1 24 | 14 21 | 0 45 | 3 20 | 1 38 | 1 12 | 14 48 | 12 53 | 12 49 | 21 47 | 10 7 | 6 42 |
| S 6 | 18 31 | 26 14 | 3 24 | 21 48 | 1 19 | 18 37 | 0 21 | 5 33 | 1 41 | 15 42 | 1 8 | 13 25 | 1 25 | 14 21 | 0 45 | 3 21 | 1 38 | 1 12 | 14 48 | 12 55 | 12 50 | 21 49 | 10 7 | 6 42 |
| M 7 | 18 45 | 23 35 | 2 32 | 22 21 | 1 27 | 18 57 | 0 18 | 5 16 | 1 42 | 15 40 | 1 8 | 13 24 | 1 25 | 14 20 | 0 45 | 3 22 | 1 38 | 1 12 | 14 48 | 12 57 | 12 51 | 21 51 | 10 6 | 6 42 |
| T 8 | 18 59 | 19 46 | 1 32 | 22 52 | 1 35 | 19 16 | 0 16 | 4 58 | 1 42 | 15 39 | 1 8 | 13 24 | 1 25 | 14 20 | 0 45 | 3 22 | 1 38 | 1 13 | 14 48 | 12 57 | 12 52 | 21 53 | 10 6 | 6 43 |
| W 9 | 19 13 | 14 57 | 0 25 | 23 19 | 1 42 | 19 35 | 0 14 | 4 41 | 1 42 | 15 37 | 1 8 | 13 23 | 1 25 | 14 20 | 0 45 | 3 23 | 1 38 | 1 13 | 14 48 | 12 57 | 12 53 | 21 55 | 10 5 | 6 43 |
| T 10 | 19 27 | 9 19 | 0s44 | 23 45 | 1 48 | 19 54 | 0 11 | 4 24 | 1 43 | 15 35 | 1 8 | 13 23 | 1 25 | 14 19 | 0 45 | 3 24 | 1 38 | 1 13 | 14 48 | 12 57 | 12 54 | 21 57 | 10 5 | 6 44 |
| F 11 | 19 40 | 3 5 | 1 53 | 24 7 | 1 53 | 20 12 | 0 9 | 4 6 | 1 43 | 15 33 | 1 8 | 13 22 | 1 26 | 14 19 | 0 45 | 3 24 | 1 38 | 1 14 | 14 48 | 12 58 | 12 55 | 21 59 | 10 5 | 6 44 |
| S 12 | 19 53 | 3s29 | 2 58 | 24 27 | 1 58 | 20 29 | 0 7 | 3 49 | 1 44 | 15 31 | 1 8 | 13 21 | 1 26 | 14 19 | 0 45 | 3 25 | 1 38 | 1 14 | 14 48 | 12 59 | 12 56 | 22 1 | 10 4 | 6 44 |
| S 13 | 20 6 | 10 5 | 3 53 | 24 44 | 2 2 | 20 46 | 0 4 | 3 32 | 1 44 | 15 29 | 1 7 | 13 21 | 1 26 | 14 18 | 0 45 | 3 26 | 1 38 | 1 14 | 14 48 | 13 0 | 12 58 | 22 3 | 10 4 | 6 45 |
| M14 | 20 18 | 16 17 | 4 34 | 24 59 | 2 5 | 21 2 | 0 2 | 3 14 | 1 44 | 15 27 | 1 7 | 13 21 | 1 26 | 14 18 | 0 45 | 3 26 | 1 38 | 1 15 | 14 48 | 13 3 | 12 59 | 22 5 | 10 4 | 6 45 |
| T 15 | 20 30 | 21 35 | 4 57 | 25 11 | 2 8 | 21 18 | 0n 0 | 2 57 | 1 45 | 15 25 | 1 7 | 13 20 | 1 26 | 14 18 | 0 45 | 3 27 | 1 38 | 1 15 | 14 48 | 13 6 | 13 0 | 22 7 | 10 3 | 6 46 |
| W16 | 20 41 | 25 29 | 4 58 | 25 21 | 2 10 | 21 33 | 0 3 | 2 39 | 1 45 | 15 23 | 1 7 | 13 20 | 1 27 | 14 17 | 0 45 | 3 27 | 1 38 | 1 15 | 14 48 | 13 10 | 13 1 | 22 10 | 10 3 | 6 46 |
| T 17 | 20 53 | 27 31 | 4 39 | 25 29 | 2 11 | 21 48 | 0 5 | 2 22 | 1 45 | 15 20 | 1 7 | 13 19 | 1 27 | 14 17 | 0 45 | 3 28 | 1 38 | 1 16 | 14 48 | 13 13 | 13 2 | 22 12 | 10 3 | 6 46 |
| F 18 | 21 3 | 27 30 | 4 0 | 25 34 | 2 11 | 22 2 | 0 8 | 2 5 | 1 46 | 15 18 | 1 7 | 13 19 | 1 27 | 14 16 | 0 45 | 3 29 | 1 38 | 1 16 | 14 48 | 13 16 | 13 3 | 22 14 | 10 2 | 6 47 |
| S 19 | 21 14 | 25 34 | 3 6 | 25 37 | 2 10 | 22 15 | 0 10 | 1 47 | 1 46 | 15 16 | 1 7 | 13 19 | 1 27 | 14 16 | 0 44 | 3 29 | 1 38 | 1 16 | 14 49 | 13 18 | 13 4 | 22 16 | 10 2 | 6 47 |
| S 20 | 21 24 | 22 4 | 2 3 | 25 39 | 2 9 | 22 28 | 0 12 | 1 30 | 1 46 | 15 14 | 1 7 | 13 19 | 1 28 | 14 15 | 0 44 | 3 30 | 1 38 | 1 16 | 14 49 | 13 20 | 13 5 | 22 18 | 10 2 | 6 48 |
| M21 | 21 34 | 17 27 | 0 54 | 25 38 | 2 7 | 22 40 | 0 15 | 1 13 | 1 47 | 15 11 | 1 6 | 13 18 | 1 28 | 14 15 | 0 44 | 3 30 | 1 38 | 1 17 | 14 49 | 13 20 | 13 6 | 22 20 | 10 2 | 6 48 |
| T 22 | 21 43 | 12 10 | 0n15 | 25 35 | 2 4 | 22 51 | 0 17 | 0 55 | 1 47 | 15 9 | 1 6 | 13 18 | 1 28 | 14 14 | 0 44 | 3 31 | 1 38 | 1 17 | 14 49 | 13 21 | 13 7 | 22 22 | 10 1 | 6 48 |
| W23 | 21 52 | 6 31 | 1 21 | 25 31 | 2 0 | 23 2 | 0 20 | 0 38 | 1 47 | 15 6 | 1 6 | 13 18 | 1 28 | 14 14 | 0 44 | 3 31 | 1 38 | 1 17 | 14 49 | 13 20 | 13 8 | 22 24 | 10 1 | 6 49 |
| T 24 | 22 1 | 0 46 | 2 22 | 25 25 | 1 56 | 23 12 | 0 22 | 0 21 | 1 48 | 15 4 | 1 6 | 13 18 | 1 28 | 14 13 | 0 44 | 3 32 | 1 39 | 1 17 | 14 49 | 13 21 | 13 9 | 22 26 | 10 1 | 6 49 |
| F 25 | 22 9 | 4n53 | 3 15 | 25 18 | 1 51 | 23 22 | 0 24 | 0 4 | 1 48 | 15 1 | 1 6 | 13 18 | 1 29 | 14 13 | 0 44 | 3 32 | 1 39 | 1 18 | 14 49 | 13 21 | 13 10 | 22 28 | 10 1 | 6 50 |
| S 26 | 22 17 | 10 17 | 3 59 | 25 9 | 1 45 | 23 30 | 0 27 | 0n14 | 1 48 | 14 59 | 1 6 | 13 18 | 1 29 | 14 12 | 0 44 | 3 33 | 1 39 | 1 18 | 14 49 | 13 23 | 13 11 | 22 30 | 10 1 | 6 50 |
| S 27 | 22 25 | 15 15 | 4 32 | 24 59 | 1 38 | 23 38 | 0 29 | 0 31 | 1 48 | 14 56 | 1 6 | 13 18 | 1 29 | 14 11 | 0 44 | 3 33 | 1 39 | 1 18 | 14 49 | 13 25 | 13 13 | 22 32 | 10 1 | 6 50 |
| M28 | 22 32 | 19 39 | 4 53 | 24 47 | 1 31 | 23 46 | 0 31 | 0 48 | 1 48 | 14 53 | 1 6 | 13 18 | 1 29 | 14 11 | 0 44 | 3 34 | 1 39 | 1 18 | 14 50 | 13 29 | 13 14 | 22 34 | 10 1 | 6 51 |
| T 29 | 22 39 | 23 16 | 5 1 | 24 35 | 1 23 | 23 52 | 0 33 | 1 5 | 1 49 | 14 51 | 1 5 | 13 18 | 1 30 | 14 10 | 0 44 | 3 34 | 1 39 | 1 19 | 14 50 | 13 33 | 13 15 | 22 36 | 10 1 | 6 51 |
| W30 | 22 45 | 25 55 | 4 57 | 24 22 | 1 14 | 23 58 | 0 36 | 1 22 | 1 49 | 14 48 | 1 5 | 13 18 | 1 30 | 14 9 | 0 44 | 3 35 | 1 39 | 1 19 | 14 50 | 13 37 | 13 16 | 22 37 | 10 1 | 6 51 |
| T 31 | 22n51 | 27n26 | 4n39 | 24n 7 | 1n 5 | 24n 4 | 0n38 | 1n39 | 1s49 | 14n45 | 1n 5 | 13s18 | 1s30 | 14n 9 | 0n44 | 3n35 | 1s39 | 1n19 | 14s50 | 13s41 | 13s17 | 22n39 | 10s 1 | 6n52 |

Julian Day Number = 2223396.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'36, Lahiri = 15°08'37 Julian Calendar 1 May 1375 == Greg. Calendar 9 May 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## JUNE 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 8 17 | 17♊33'59 | 28♊16 | 12♋15 | 26♊22 | 9♈ 4 | 23♌40 | 28°R54 | 24♌22 | 12♈53 | 11♉55 | 23°R28 | 24♒48 | 19♉51 | 14°R19 | F 1 |
| S 2 | 17 12 13 | 18°31'14 | 10♋27 | 13° 8 | 27°36 | 9°48 | 23°49 | 28♒54 | 24°24 | 12°55 | 11°57 | 23♒19 | 24°45 | 19°57 | 14♒18 | S 2 |
| S 3 | 17 16 10 | 19°28'29 | 22°45 | 13°59 | 28°50 | 10°31 | 23°57 | 28°54 | 24°26 | 12°56 | 11°58 | 23°13 | 24°42 | 20° 4 | 14°16 | S 3 |
| M 4 | 17 20 6 | 20°25'43 | 5♌14 | 14°45 | 0♋ 3 | 11°14 | 24° 6 | 28°53 | 24°28 | 12°57 | 11°59 | 23° 9 | 24°39 | 20°11 | 14°15 | M 4 |
| T 5 | 17 24 3 | 21°22'57 | 17°55 | 15°28 | 1°17 | 11°57 | 24°15 | 28°53 | 24°30 | 12°58 | 12° 0 | 23°D 8 | 24°36 | 20°18 | 14°14 | T 5 |
| W 6 | 17 27 59 | 22°20'09 | 0♍50 | 16° 6 | 2°31 | 12°40 | 24°23 | 28°53 | 24°33 | 12°59 | 12° 1 | 23° 8 | 24°33 | 20°24 | 14°12 | W 6 |
| T 7 | 17 31 56 | 23°17'22 | 14° 4 | 16°41 | 3°44 | 13°23 | 24°32 | 28°52 | 24°35 | 13° 0 | 12° 2 | 23° 8 | 24°29 | 20°31 | 14°10 | T 7 |
| F 8 | 17 35 52 | 24°14'33 | 27°38 | 17°12 | 4°58 | 14° 6 | 24°41 | 28°52 | 24°37 | 13° 1 | 12° 3 | 23°R 9 | 24°26 | 20°38 | 14° 9 | F 8 |
| S 9 | 17 39 49 | 25°11'44 | 11♎34 | 17°38 | 6°12 | 14°49 | 24°51 | 28°51 | 24°39 | 13° 2 | 12° 4 | 23° 7 | 24°23 | 20°44 | 14° 7 | S 9 |
| S 10 | 17 43 46 | 26° 8'55 | 25°54 | 18° 0 | 7°25 | 15°31 | 25° 0 | 28°50 | 24°42 | 13° 3 | 12° 5 | 23° 4 | 24°20 | 20°51 | 14° 5 | S 10 |
| M11 | 17 47 42 | 27° 6'05 | 10♏33 | 18°17 | 8°39 | 16°14 | 25° 9 | 28°49 | 24°44 | 13° 4 | 12° 6 | 22°59 | 24°17 | 20°58 | 14° 4 | M11 |
| T 12 | 17 51 39 | 28° 3'14 | 25°28 | 18°30 | 9°52 | 16°56 | 25°19 | 28°48 | 24°46 | 13° 5 | 12° 7 | 22°52 | 24°14 | 21° 5 | 14° 2 | T 12 |
| W13 | 17 55 35 | 29° 0'24 | 10♐31 | 18°39 | 11° 6 | 17°39 | 25°28 | 28°47 | 24°49 | 13° 6 | 12° 8 | 22°44 | 24°10 | 21°11 | 14° 0 | W13 |
| T 14 | 17 59 32 | 29°57'33 | 25°32 | 18°R42 | 12°20 | 18°21 | 25°38 | 28°46 | 24°51 | 13° 7 | 12° 9 | 22°36 | 24° 7 | 21°18 | 13°58 | T 14 |
| F 15 | 18 3 28 | 0♑54'42 | 10♑22 | 18°42 | 13°33 | 19° 4 | 25°48 | 28°45 | 24°54 | 13° 7 | 12°10 | 22°30 | 24° 4 | 21°25 | 13°56 | F 15 |
| S 16 | 18 7 25 | 1°51'51 | 24°53 | 18°36 | 14°47 | 19°46 | 25°58 | 28°43 | 24°57 | 13° 8 | 12°11 | 22°25 | 24° 1 | 21°32 | 13°54 | S 16 |
| S 17 | 18 11 22 | 2°49'01 | 8♒59 | 18°26 | 16° 0 | 20°28 | 26° 8 | 28°42 | 24°59 | 13° 9 | 12°12 | 22°22 | 23°58 | 21°38 | 13°52 | S 17 |
| M18 | 18 15 18 | 3°46'10 | 22°38 | 18°11 | 17°14 | 21°10 | 26°18 | 28°40 | 25° 2 | 13°10 | 12°13 | 22°D21 | 23°54 | 21°45 | 13°50 | M18 |
| T 19 | 18 19 15 | 4°43'20 | 5♓51 | 17°53 | 18°27 | 21°52 | 26°28 | 28°39 | 25° 4 | 13°10 | 12°14 | 22°22 | 23°51 | 21°52 | 13°47 | T 19 |
| W20 | 18 23 11 | 5°40'30 | 18°39 | 17°30 | 19°41 | 22°33 | 26°38 | 28°37 | 25° 7 | 13°11 | 12°15 | 22°23 | 23°48 | 21°58 | 13°45 | W20 |
| T 21 | 18 27 8 | 6°37'40 | 1♈ 6 | 17° 3 | 20°54 | 23°15 | 26°48 | 28°35 | 25°10 | 13°11 | 12°16 | 22°R24 | 23°45 | 22° 5 | 13°43 | T 21 |
| F 22 | 18 31 4 | 7°34'51 | 13°18 | 16°33 | 22° 8 | 23°57 | 26°59 | 28°33 | 25°13 | 13°12 | 12°16 | 22°24 | 23°42 | 22°12 | 13°41 | F 22 |
| S 23 | 18 35 1 | 8°32'02 | 25°18 | 16° 0 | 23°22 | 24°38 | 27° 9 | 28°31 | 25°16 | 13°13 | 12°17 | 22°23 | 23°39 | 22°19 | 13°38 | S 23 |
| S 24 | 18 38 57 | 9°29'13 | 7♉12 | 15°25 | 24°35 | 25°20 | 27°20 | 28°29 | 25°18 | 13°13 | 12°18 | 22°19 | 23°35 | 22°25 | 13°36 | S 24 |
| M25 | 18 42 54 | 10°26'26 | 19° 3 | 14°48 | 25°49 | 26° 1 | 27°30 | 28°27 | 25°21 | 13°14 | 12°19 | 22°14 | 23°32 | 22°32 | 13°33 | M25 |
| T 26 | 18 46 51 | 11°23'38 | 0♊57 | 14° 9 | 27° 2 | 26°42 | 27°41 | 28°25 | 25°24 | 13°14 | 12°20 | 22° 8 | 23°29 | 22°39 | 13°31 | T 26 |
| W27 | 18 50 47 | 12°20'52 | 12°54 | 13°30 | 28°16 | 27°23 | 27°52 | 28°22 | 25°27 | 13°14 | 12°20 | 22° 1 | 23°26 | 22°46 | 13°28 | W27 |
| T 28 | 18 54 44 | 13°18'05 | 24°59 | 12°50 | 29°29 | 28° 4 | 28° 2 | 28°20 | 25°30 | 13°15 | 12°21 | 21°53 | 23°23 | 22°52 | 13°26 | T 28 |
| F 29 | 18 58 40 | 14°15'20 | 7♋12 | 12°12 | 0♌43 | 28°45 | 28°13 | 28°17 | 25°33 | 13°15 | 12°22 | 21°47 | 23°20 | 22°59 | 13°23 | F 29 |
| S 30 | 19 2 37 | 15♋12'34 | 19♋36 | 11♋34 | 1♌56 | 29♈25 | 28♌24 | 28♒15 | 25♌36 | 13♈16 | 12♉23 | 21♒42 | 23♒16 | 23♉ 6 | 13♒21 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n56 | 27n39 | 4n 8 | 23n52 | 0n55 | 24n 8 | 0n40 | 1n56 | 1s49 | 14n42 | 1n 5 | 13s18 | 1s30 | 14n 8 | 0n44 | 3n35 | 1s39 | 1n19 | 14s50 | 13s44 | 13s18 | 22n41 | 10s 1 | 6n52 | |
| S 2 | 23 1 | 26 32 | 3 26 | 23 37 | 0 44 | 24 12 | 0 42 | 2 13 | 1 49 | 14 39 | 1 5 | 13 19 | 1 30 | 14 7 | 0 44 | 3 36 | 1 39 | 1 19 | 14 50 | 13 47 | 13 19 | 22 43 | 10 1 | 6 52 | |
| S 3 | 23 6 | 24 8 | 2 34 | 23 20 | 0 33 | 24 15 | 0 44 | 2 30 | 1 50 | 14 36 | 1 5 | 13 19 | 1 31 | 14 7 | 0 44 | 3 36 | 1 39 | 1 19 | 14 50 | 13 50 | 13 20 | 22 45 | 10 1 | 6 53 | |
| M 4 | 23 11 | 20 33 | 1 34 | 23 3 | 0 21 | 24 18 | 0 46 | 2 47 | 1 50 | 14 33 | 1 5 | 13 19 | 1 31 | 14 6 | 0 44 | 3 37 | 1 39 | 1 20 | 14 51 | 13 51 | 13 21 | 22 47 | 10 1 | 6 53 | |
| T 5 | 23 14 | 15 57 | 0 28 | 22 46 | 0 9 | 24 19 | 0 49 | 3 3 | 1 50 | 14 30 | 1 5 | 13 19 | 1 31 | 14 5 | 0 44 | 3 37 | 1 39 | 1 20 | 14 51 | 13 51 | 13 22 | 22 49 | 10 1 | 6 53 | |
| W 6 | 23 18 | 10 34 | 0s41 | 22 29 | 0s 4 | 24 20 | 0 51 | 3 20 | 1 50 | 14 27 | 1 5 | 13 20 | 1 31 | 14 5 | 0 44 | 3 37 | 1 39 | 1 20 | 14 51 | 13 51 | 13 23 | 22 51 | 10 1 | 6 54 | |
| T 7 | 23 21 | 4 36 | 1 49 | 22 11 | 0 18 | 24 21 | 0 53 | 3 37 | 1 50 | 14 24 | 1 4 | 13 20 | 1 31 | 14 4 | 0 44 | 3 38 | 1 39 | 1 20 | 14 51 | 13 51 | 13 24 | 22 53 | 10 1 | 6 54 | |
| F 8 | 23 24 | 1s42 | 2 53 | 21 53 | 0 32 | 24 20 | 0 55 | 3 53 | 1 50 | 14 21 | 1 4 | 13 21 | 1 32 | 14 3 | 0 44 | 3 38 | 1 39 | 1 20 | 14 51 | 13 51 | 13 25 | 22 55 | 10 1 | 6 54 | |
| S 9 | 23 26 | 8 6 | 3 49 | 21 36 | 0 46 | 24 19 | 0 57 | 4 10 | 1 50 | 14 18 | 1 4 | 13 21 | 1 32 | 14 2 | 0 44 | 3 38 | 1 39 | 1 20 | 14 51 | 13 51 | 13 26 | 22 57 | 10 1 | 6 55 | |
| S 10 | 23 28 | 14 15 | 4 32 | 21 18 | 1 1 | 24 17 | 0 58 | 4 26 | 1 50 | 14 14 | 1 4 | 13 21 | 1 32 | 14 1 | 0 44 | 3 39 | 1 39 | 1 20 | 14 52 | 13 52 | 13 27 | 22 59 | 10 2 | 6 55 | |
| M11 | 23 29 | 19 45 | 4 58 | 21 1 | 1 16 | 24 15 | 1 0 | 4 42 | 1 51 | 14 11 | 1 4 | 13 22 | 1 32 | 14 1 | 0 44 | 3 39 | 1 39 | 1 21 | 14 52 | 13 54 | 13 28 | 23 0 | 10 2 | 6 55 | |
| T 12 | 23 30 | 24 8 | 5 5 | 20 44 | 1 31 | 24 11 | 1 2 | 4 59 | 1 51 | 14 8 | 1 4 | 13 23 | 1 33 | 14 0 | 0 44 | 3 39 | 1 40 | 1 21 | 14 52 | 13 56 | 13 30 | 23 2 | 10 2 | 6 56 | |
| W13 | 23 31 | 26 54 | 4 51 | 20 27 | 1 47 | 24 7 | 1 4 | 5 15 | 1 51 | 14 5 | 1 4 | 13 23 | 1 33 | 13 59 | 0 44 | 3 40 | 1 40 | 1 21 | 14 52 | 13 59 | 13 31 | 23 4 | 10 2 | 6 56 | |
| T 14 | 23 31 | 27 43 | 4 17 | 20 11 | 2 3 | 24 2 | 1 6 | 5 31 | 1 51 | 14 1 | 1 4 | 13 24 | 1 33 | 13 58 | 0 44 | 3 40 | 1 40 | 1 21 | 14 52 | 14 2 | 13 32 | 23 6 | 10 3 | 6 56 | |
| F 15 | 23 31 | 26 32 | 3 26 | 19 56 | 2 19 | 23 57 | 1 7 | 5 47 | 1 51 | 13 58 | 1 4 | 13 24 | 1 33 | 13 57 | 0 44 | 3 40 | 1 40 | 1 21 | 14 53 | 14 4 | 13 33 | 23 8 | 10 3 | 6 57 | |
| S 16 | 23 31 | 23 33 | 2 22 | 19 41 | 2 34 | 23 51 | 1 9 | 6 3 | 1 51 | 13 54 | 1 4 | 13 25 | 1 33 | 13 56 | 0 44 | 3 40 | 1 40 | 1 21 | 14 53 | 14 5 | 13 34 | 23 10 | 10 3 | 6 57 | |
| S 17 | 23 30 | 19 13 | 1 11 | 19 27 | 2 50 | 23 44 | 1 11 | 6 19 | 1 51 | 13 51 | 1 4 | 13 26 | 1 34 | 13 55 | 0 44 | 3 41 | 1 40 | 1 21 | 14 53 | 14 6 | 13 35 | 23 12 | 10 3 | 6 57 | |
| M18 | 23 28 | 13 59 | 0n 2 | 19 14 | 3 5 | 23 36 | 1 12 | 6 34 | 1 51 | 13 47 | 1 3 | 13 27 | 1 34 | 13 54 | 0 44 | 3 41 | 1 40 | 1 21 | 14 53 | 14 7 | 13 36 | 23 13 | 10 4 | 6 57 | |
| T 19 | 23 26 | 8 17 | 1 12 | 19 2 | 3 19 | 23 28 | 1 14 | 6 50 | 1 51 | 13 44 | 1 3 | 13 27 | 1 34 | 13 53 | 0 43 | 3 41 | 1 40 | 1 21 | 14 53 | 14 6 | 13 37 | 23 15 | 10 4 | 6 58 | |
| W20 | 23 24 | 2 24 | 2 17 | 18 51 | 3 34 | 23 19 | 1 15 | 7 6 | 1 51 | 13 40 | 1 3 | 13 28 | 1 34 | 13 53 | 0 43 | 3 41 | 1 40 | 1 21 | 14 54 | 14 6 | 13 38 | 23 17 | 10 5 | 6 58 | |
| T 21 | 23 21 | 3n24 | 3 14 | 18 41 | 3 47 | 23 9 | 1 17 | 7 21 | 1 51 | 13 37 | 1 3 | 13 29 | 1 34 | 13 52 | 0 43 | 3 41 | 1 40 | 1 21 | 14 54 | 14 6 | 13 39 | 23 19 | 10 5 | 6 58 | |
| F 22 | 23 18 | 8 57 | 4 0 | 18 32 | 3 59 | 22 59 | 1 18 | 7 37 | 1 50 | 13 33 | 1 3 | 13 30 | 1 35 | 13 51 | 0 43 | 3 42 | 1 40 | 1 21 | 14 54 | 14 6 | 13 40 | 23 21 | 10 5 | 6 58 | |
| S 23 | 23 15 | 14 5 | 4 35 | 18 25 | 4 11 | 22 48 | 1 19 | 7 52 | 1 50 | 13 29 | 1 3 | 13 31 | 1 35 | 13 50 | 0 43 | 3 42 | 1 40 | 1 21 | 14 54 | 14 6 | 13 41 | 23 23 | 10 6 | 6 59 | |
| S 24 | 23 11 | 18 39 | 4 58 | 18 18 | 4 21 | 22 36 | 1 20 | 8 7 | 1 50 | 13 26 | 1 3 | 13 32 | 1 35 | 13 49 | 0 43 | 3 42 | 1 40 | 1 21 | 14 55 | 14 7 | 13 42 | 23 24 | 10 6 | 6 59 | |
| M25 | 23 7 | 22 29 | 5 8 | 18 14 | 4 30 | 22 24 | 1 22 | 8 22 | 1 50 | 13 22 | 1 3 | 13 33 | 1 35 | 13 48 | 0 43 | 3 42 | 1 40 | 1 21 | 14 55 | 14 9 | 13 43 | 23 26 | 10 7 | 6 59 | |
| T 26 | 23 2 | 25 23 | 5 5 | 18 10 | 4 37 | 22 11 | 1 23 | 8 37 | 1 50 | 13 18 | 1 3 | 13 34 | 1 36 | 13 47 | 0 43 | 3 42 | 1 40 | 1 21 | 14 55 | 14 11 | 13 44 | 23 28 | 10 7 | 6 59 | |
| W27 | 22 57 | 27 12 | 4 49 | 18 8 | 4 43 | 21 57 | 1 24 | 8 52 | 1 50 | 13 14 | 1 3 | 13 35 | 1 36 | 13 46 | 0 43 | 3 42 | 1 40 | 1 21 | 14 55 | 14 13 | 13 45 | 23 30 | 10 8 | 7 0 | |
| T 28 | 22 51 | 27 45 | 4 19 | 18 7 | 4 48 | 21 43 | 1 25 | 9 7 | 1 50 | 13 11 | 1 3 | 13 36 | 1 36 | 13 45 | 0 43 | 3 42 | 1 41 | 1 21 | 14 55 | 14 16 | 13 46 | 23 31 | 10 8 | 7 0 | |
| F 29 | 22 45 | 26 57 | 3 38 | 18 8 | 4 51 | 21 28 | 1 26 | 9 21 | 1 50 | 13 7 | 1 3 | 13 37 | 1 36 | 13 44 | 0 43 | 3 42 | 1 41 | 1 21 | 14 56 | 14 18 | 13 47 | 23 33 | 10 9 | 7 0 | |
| S 30 | 22n39 | 24n49 | 2n45 | 18n10 | 4s52 | 21n12 | 1n27 | 9n36 | 1s50 | 13n 3 | 1n 3 | 13s38 | 1s36 | 13n42 | 0n43 | 3n42 | 1s41 | 1n21 | 14s56 | 14s19 | 13s48 | 23n35 | 10s 9 | 7n 0 | |

Julian Day Number = 2223427.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'20, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'41, Lahiri = 15°08'41 Julian Calendar 1 June 1375 == Greg. Calendar 9 June 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## JULY 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 6 33 | 16♋ 9'49 | 2♌ 9 | 10°R59 | 3♌10 | 0♉ 6 | 28♌35 | 28°R12 | 25♌39 | 13♈16 | 12♉23 | 21°R39 | 23♒13 | 23♉12 | 13°R18 | S 1 |
| M 2 | 19 10 30 | 17° 7'05 | 14°55 | 10♋26 | 4°23 | 0°46 | 28°47 | 28♒ 9 | 25°42 | 13°16 | 12°24 | 21♒37 | 23°10 | 23°19 | 13♒15 | M 2 |
| T 3 | 19 14 26 | 18° 4'21 | 27°52 | 9°57 | 5°37 | 1°27 | 28°58 | 28° 6 | 25°46 | 13°16 | 12°25 | 21°D37 | 23° 7 | 23°26 | 13°13 | T 3 |
| W 4 | 19 18 23 | 19° 1'37 | 11♍ 3 | 9°32 | 6°50 | 2° 7 | 29° 9 | 28° 3 | 25°49 | 13°16 | 12°25 | 21°38 | 23° 4 | 23°33 | 13°10 | W 4 |
| T 5 | 19 22 20 | 19°58'53 | 24°28 | 9°10 | 8° 4 | 2°47 | 29°20 | 28° 0 | 25°52 | 13°17 | 12°26 | 21°40 | 23° 0 | 23°39 | 13° 7 | T 5 |
| F 6 | 19 26 16 | 20°56'10 | 8♎ 8 | 8°54 | 9°17 | 3°27 | 29°32 | 27°57 | 25°55 | 13°17 | 12°27 | 21°41 | 22°57 | 23°46 | 13° 4 | F 6 |
| S 7 | 19 30 13 | 21°53'27 | 22° 4 | 8°43 | 10°31 | 4° 6 | 29°43 | 27°54 | 25°58 | 13°17 | 12°27 | 21°R42 | 22°54 | 23°53 | 13° 1 | S 7 |
| S 8 | 19 34 9 | 22°50'44 | 6♏14 | 8°37 | 11°44 | 4°46 | 29°55 | 27°51 | 26° 2 | 13°17 | 12°28 | 21°41 | 22°51 | 23°59 | 12°58 | S 8 |
| M 9 | 19 38 6 | 23°48'02 | 20°38 | 8°D37 | 12°58 | 5°25 | 0♍ 6 | 27°47 | 26° 5 | 13°R17 | 12°28 | 21°39 | 22°48 | 24° 6 | 12°56 | M 9 |
| T 10 | 19 42 2 | 24°45'21 | 5♐11 | 8°42 | 14°11 | 6° 5 | 0°18 | 27°44 | 26° 8 | 13°17 | 12°29 | 21°36 | 22°45 | 24°13 | 12°53 | T 10 |
| W11 | 19 45 59 | 25°42'40 | 19°50 | 8°54 | 15°25 | 6°44 | 0°30 | 27°41 | 26°12 | 13°17 | 12°29 | 21°33 | 22°41 | 24°20 | 12°50 | W11 |
| T 12 | 19 49 55 | 26°40'00 | 4♑27 | 9°12 | 16°38 | 7°23 | 0°41 | 27°37 | 26°15 | 13°17 | 12°30 | 21°29 | 22°38 | 24°26 | 12°47 | T 12 |
| F 13 | 19 53 52 | 27°37'20 | 18°55 | 9°36 | 17°52 | 8° 2 | 0°53 | 27°33 | 26°18 | 13°17 | 12°30 | 21°26 | 22°35 | 24°33 | 12°44 | F 13 |
| S 14 | 19 57 49 | 28°34'41 | 3♒10 | 10° 6 | 19° 5 | 8°41 | 1° 5 | 27°30 | 26°22 | 13°16 | 12°31 | 21°24 | 22°32 | 24°40 | 12°41 | S 14 |
| S 15 | 20 1 45 | 29°32'03 | 17° 6 | 10°43 | 20°18 | 9°19 | 1°17 | 27°26 | 26°25 | 13°16 | 12°31 | 21°D24 | 22°29 | 24°47 | 12°38 | S 15 |
| M16 | 20 5 42 | 0♌29'26 | 0♓39 | 11°25 | 21°32 | 9°58 | 1°29 | 27°22 | 26°29 | 13°16 | 12°32 | 21°24 | 22°26 | 24°53 | 12°35 | M16 |
| T 17 | 20 9 38 | 1°26'50 | 13°50 | 12°14 | 22°45 | 10°36 | 1°41 | 27°19 | 26°32 | 13°16 | 12°32 | 21°25 | 22°22 | 25° 0 | 12°32 | T 17 |
| W18 | 20 13 35 | 2°24'15 | 26°40 | 13° 9 | 23°58 | 11°14 | 1°53 | 27°15 | 26°36 | 13°16 | 12°32 | 21°26 | 22°19 | 25° 7 | 12°29 | W18 |
| T 19 | 20 17 31 | 3°21'41 | 9♈ 9 | 14° 9 | 25°12 | 11°52 | 2° 5 | 27°11 | 26°39 | 13°15 | 12°33 | 21°27 | 22°16 | 25°13 | 12°26 | T 19 |
| F 20 | 20 21 28 | 4°19'09 | 21°23 | 15°16 | 26°25 | 12°30 | 2°17 | 27° 7 | 26°43 | 13°15 | 12°33 | 21°29 | 22°13 | 25°20 | 12°22 | F 20 |
| S 21 | 20 25 24 | 5°16'38 | 3♉26 | 16°28 | 27°38 | 13° 7 | 2°29 | 27° 3 | 26°46 | 13°15 | 12°33 | 21°R29 | 22°10 | 25°27 | 12°19 | S 21 |
| S 22 | 20 29 21 | 6°14'08 | 15°21 | 17°45 | 28°52 | 13°45 | 2°42 | 26°59 | 26°50 | 13°14 | 12°34 | 21°29 | 22° 6 | 25°34 | 12°16 | S 22 |
| M23 | 20 33 18 | 7°11'40 | 27°14 | 19° 8 | 0♍ 5 | 14°22 | 2°54 | 26°55 | 26°53 | 13°14 | 12°34 | 21°28 | 22° 3 | 25°40 | 12°13 | M23 |
| T 24 | 20 37 14 | 8° 9'13 | 9♊ 9 | 20°36 | 1°18 | 14°59 | 3° 6 | 26°50 | 26°57 | 13°13 | 12°34 | 21°26 | 22° 0 | 25°47 | 12°10 | T 24 |
| W25 | 20 41 11 | 9° 6'48 | 21°10 | 22° 8 | 2°32 | 15°36 | 3°19 | 26°46 | 27° 1 | 13°13 | 12°34 | 21°25 | 21°57 | 25°54 | 12° 7 | W25 |
| T 26 | 20 45 7 | 10° 4'24 | 3♋20 | 23°45 | 3°45 | 16°13 | 3°31 | 26°42 | 27° 4 | 13°12 | 12°35 | 21°23 | 21°54 | 26° 1 | 12° 4 | T 26 |
| F 27 | 20 49 4 | 11° 2'01 | 15°43 | 25°26 | 4°58 | 16°49 | 3°43 | 26°38 | 27° 8 | 13°12 | 12°35 | 21°22 | 21°51 | 26° 7 | 12° 1 | F 27 |
| S 28 | 20 53 0 | 11°59'40 | 28°19 | 27°10 | 6°11 | 17°26 | 3°56 | 26°33 | 27°12 | 13°11 | 12°35 | 21°21 | 21°47 | 26°14 | 11°57 | S 28 |
| S 29 | 20 56 57 | 12°57'20 | 11♌10 | 28°58 | 7°25 | 18° 2 | 4° 8 | 26°29 | 27°15 | 13°11 | 12°35 | 21°20 | 21°44 | 26°21 | 11°54 | S 29 |
| M30 | 21 0 54 | 13°55'01 | 24°17 | 0♌49 | 8°38 | 18°38 | 4°21 | 26°25 | 27°19 | 13°10 | 12°35 | 21°D20 | 21°41 | 26°27 | 11°51 | M30 |
| T 31 | 21 4 50 | 14♌52'43 | 7♍38 | 2♌42 | 9♍51 | 19♉14 | 4♍34 | 26♒20 | 27♌23 | 13♈ 9 | 12♉35 | 21♒20 | 21♒38 | 26♉34 | 11♒48 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22n32 | 21n26 | 1n44 | 18n14 | 4s51 | 20n56 | 1n27 | 9n50 | 1s49 | 12n59 | 1n 3 | 13s39 | 1s36 | 13n41 | 0n43 | 3n42 | 1s41 | 1n21 | 14s56 | 14s20 | 13s50 | 23n37 | 10s10 | 7n 0 | S 1 |
| M 2 | 22 25 | 17 0 | 0 36 | 18 19 | 4 49 | 20 39 | 1 28 | 10 5 | 1 49 | 12 55 | 1 2 | 13 40 | 1 37 | 13 40 | 0 43 | 3 43 | 1 41 | 1 21 | 14 56 | 14 21 | 13 51 | 23 38 | 10 10 | 7 1 | M 2 |
| T 3 | 22 18 | 11 43 | 0s34 | 18 25 | 4 45 | 20 22 | 1 29 | 10 19 | 1 49 | 12 51 | 1 2 | 13 41 | 1 37 | 13 39 | 0 43 | 3 43 | 1 41 | 1 21 | 14 57 | 14 21 | 13 52 | 23 40 | 10 11 | 7 1 | T 3 |
| W 4 | 22 10 | 5 50 | 1 44 | 18 32 | 4 40 | 20 4 | 1 29 | 10 33 | 1 49 | 12 47 | 1 2 | 13 42 | 1 37 | 13 38 | 0 43 | 3 43 | 1 41 | 1 21 | 14 57 | 14 21 | 13 53 | 23 42 | 10 11 | 7 1 | W 4 |
| T 5 | 22 2 | 0s24 | 2 50 | 18 40 | 4 33 | 19 46 | 1 30 | 10 47 | 1 49 | 12 43 | 1 2 | 13 44 | 1 37 | 13 37 | 0 43 | 3 43 | 1 41 | 1 21 | 14 57 | 14 20 | 13 54 | 23 44 | 10 12 | 7 1 | T 5 |
| F 6 | 21 53 | 6 43 | 3 47 | 18 50 | 4 24 | 19 27 | 1 31 | 11 1 | 1 48 | 12 39 | 1 2 | 13 45 | 1 37 | 13 36 | 0 43 | 3 43 | 1 41 | 1 21 | 14 57 | 14 20 | 13 55 | 23 45 | 10 13 | 7 1 | F 6 |
| S 7 | 21 44 | 12 49 | 4 32 | 19 0 | 4 15 | 19 7 | 1 31 | 11 14 | 1 48 | 12 35 | 1 2 | 13 46 | 1 38 | 13 35 | 0 43 | 3 43 | 1 41 | 1 21 | 14 58 | 14 19 | 13 56 | 23 47 | 10 13 | 7 1 | S 7 |
| S 8 | 21 35 | 18 23 | 5 2 | 19 11 | 4 4 | 18 47 | 1 31 | 11 28 | 1 48 | 12 31 | 1 2 | 13 48 | 1 38 | 13 34 | 0 43 | 3 42 | 1 41 | 1 21 | 14 58 | 14 20 | 13 57 | 23 49 | 10 14 | 7 2 | S 8 |
| M 9 | 21 25 | 23 0 | 5 13 | 19 22 | 3 53 | 18 27 | 1 32 | 11 41 | 1 47 | 12 26 | 1 2 | 13 49 | 1 38 | 13 33 | 0 43 | 3 42 | 1 41 | 1 21 | 14 58 | 14 20 | 13 58 | 23 51 | 10 15 | 7 2 | M 9 |
| T 10 | 21 15 | 26 14 | 5 4 | 19 34 | 3 40 | 18 6 | 1 32 | 11 54 | 1 47 | 12 22 | 1 2 | 13 50 | 1 38 | 13 31 | 0 43 | 3 42 | 1 41 | 1 21 | 14 59 | 14 21 | 13 59 | 23 52 | 10 15 | 7 2 | T 10 |
| W11 | 21 5 | 27 43 | 4 36 | 19 47 | 3 27 | 17 44 | 1 32 | 12 8 | 1 47 | 12 18 | 1 2 | 13 52 | 1 38 | 13 30 | 0 43 | 3 42 | 1 41 | 1 20 | 14 59 | 14 22 | 14 0 | 23 54 | 10 16 | 7 2 | W11 |
| T 12 | 20 54 | 27 16 | 3 50 | 20 0 | 3 13 | 17 22 | 1 32 | 12 21 | 1 47 | 12 14 | 1 2 | 13 53 | 1 38 | 13 29 | 0 43 | 3 42 | 1 41 | 1 20 | 14 59 | 14 23 | 14 1 | 23 56 | 10 17 | 7 2 | T 12 |
| F 13 | 20 43 | 24 58 | 2 49 | 20 12 | 2 58 | 17 0 | 1 32 | 12 34 | 1 46 | 12 10 | 1 2 | 13 54 | 1 39 | 13 28 | 0 43 | 3 42 | 1 41 | 1 20 | 14 59 | 14 24 | 14 2 | 23 57 | 10 18 | 7 2 | F 13 |
| S 14 | 20 31 | 21 7 | 1 39 | 20 25 | 2 44 | 16 37 | 1 32 | 12 46 | 1 46 | 12 5 | 1 2 | 13 56 | 1 39 | 13 27 | 0 43 | 3 42 | 1 41 | 1 20 | 15 0 | 14 25 | 14 3 | 23 59 | 10 18 | 7 2 | S 14 |
| S 15 | 20 19 | 16 8 | 0 24 | 20 37 | 2 28 | 16 13 | 1 32 | 12 59 | 1 45 | 12 1 | 1 2 | 13 57 | 1 39 | 13 26 | 0 43 | 3 42 | 1 42 | 1 20 | 15 0 | 14 25 | 14 4 | 24 1 | 10 19 | 7 2 | S 15 |
| M16 | 20 7 | 10 29 | 0n51 | 20 49 | 2 13 | 15 49 | 1 32 | 13 11 | 1 45 | 11 57 | 1 2 | 13 59 | 1 39 | 13 24 | 0 43 | 3 42 | 1 42 | 1 20 | 15 0 | 14 25 | 14 5 | 24 2 | 10 20 | 7 2 | M16 |
| T 17 | 19 54 | 4 31 | 2 1 | 21 1 | 1 57 | 15 25 | 1 31 | 13 24 | 1 45 | 11 52 | 1 2 | 14 0 | 1 39 | 13 23 | 0 43 | 3 42 | 1 42 | 1 20 | 15 0 | 14 25 | 14 6 | 24 4 | 10 21 | 7 2 | T 17 |
| W18 | 19 42 | 1n27 | 3 2 | 21 11 | 1 42 | 15 0 | 1 31 | 13 36 | 1 44 | 11 48 | 1 2 | 14 2 | 1 39 | 13 22 | 0 43 | 3 41 | 1 42 | 1 19 | 15 1 | 14 24 | 14 7 | 24 5 | 10 21 | 7 2 | W18 |
| T 19 | 19 28 | 7 13 | 3 54 | 21 20 | 1 26 | 14 35 | 1 31 | 13 48 | 1 44 | 11 44 | 1 2 | 14 3 | 1 40 | 13 21 | 0 43 | 3 41 | 1 42 | 1 19 | 15 1 | 14 24 | 14 8 | 24 7 | 10 22 | 7 2 | T 19 |
| F 20 | 19 15 | 12 35 | 4 33 | 21 28 | 1 11 | 14 10 | 1 30 | 14 0 | 1 43 | 11 39 | 1 2 | 14 5 | 1 40 | 13 19 | 0 43 | 3 41 | 1 42 | 1 19 | 15 1 | 14 24 | 14 9 | 24 9 | 10 23 | 7 2 | F 20 |
| S 21 | 19 1 | 17 24 | 5 0 | 21 35 | 0 56 | 13 44 | 1 30 | 14 12 | 1 43 | 11 35 | 1 2 | 14 6 | 1 40 | 13 18 | 0 43 | 3 41 | 1 42 | 1 19 | 15 2 | 14 23 | 14 10 | 24 10 | 10 24 | 7 3 | S 21 |
| S 22 | 18 47 | 21 29 | 5 14 | 21 40 | 0 41 | 13 18 | 1 29 | 14 23 | 1 43 | 11 30 | 1 2 | 14 8 | 1 40 | 13 17 | 0 43 | 3 41 | 1 42 | 1 19 | 15 2 | 14 24 | 14 11 | 24 12 | 10 25 | 7 3 | S 22 |
| M23 | 18 32 | 24 42 | 5 14 | 21 43 | 0 27 | 12 51 | 1 28 | 14 35 | 1 42 | 11 26 | 1 2 | 14 9 | 1 40 | 13 16 | 0 43 | 3 40 | 1 42 | 1 19 | 15 2 | 14 24 | 14 12 | 24 14 | 10 25 | 7 3 | M23 |
| T 24 | 18 17 | 26 51 | 5 1 | 21 44 | 0 13 | 12 25 | 1 27 | 14 46 | 1 42 | 11 21 | 1 2 | 14 11 | 1 40 | 13 15 | 0 43 | 3 40 | 1 42 | 1 18 | 15 2 | 14 24 | 14 13 | 24 15 | 10 26 | 7 3 | T 24 |
| W25 | 18 2 | 27 47 | 4 34 | 21 42 | 0n 1 | 11 57 | 1 27 | 14 57 | 1 41 | 11 17 | 1 2 | 14 12 | 1 40 | 13 13 | 0 43 | 3 40 | 1 42 | 1 18 | 15 3 | 14 25 | 14 14 | 24 17 | 10 27 | 7 3 | W25 |
| T 26 | 17 47 | 27 24 | 3 55 | 21 39 | 0 13 | 11 30 | 1 26 | 15 8 | 1 41 | 11 12 | 1 2 | 14 14 | 1 41 | 13 12 | 0 43 | 3 40 | 1 42 | 1 18 | 15 3 | 14 25 | 14 15 | 24 18 | 10 28 | 7 3 | T 26 |
| F 27 | 17 31 | 25 39 | 3 4 | 21 33 | 0 25 | 11 2 | 1 25 | 15 19 | 1 40 | 11 8 | 1 2 | 14 15 | 1 41 | 13 11 | 0 43 | 3 39 | 1 42 | 1 18 | 15 3 | 14 26 | 14 16 | 24 20 | 10 29 | 7 2 | F 27 |
| S 28 | 17 15 | 22 36 | 2 4 | 21 24 | 0 37 | 10 34 | 1 24 | 15 30 | 1 39 | 11 3 | 1 1 | 14 17 | 1 41 | 13 9 | 0 43 | 3 39 | 1 42 | 1 18 | 15 4 | 14 26 | 14 18 | 24 21 | 10 30 | 7 2 | S 28 |
| S 29 | 16 59 | 18 23 | 0 56 | 21 12 | 0 47 | 10 6 | 1 23 | 15 41 | 1 39 | 10 59 | 1 1 | 14 19 | 1 41 | 13 8 | 0 43 | 3 39 | 1 42 | 1 17 | 15 4 | 14 26 | 14 19 | 24 23 | 10 31 | 7 2 | S 29 |
| M30 | 16 42 | 13 13 | 0s16 | 20 58 | 0 57 | 9 37 | 1 21 | 15 51 | 1 38 | 10 54 | 1 1 | 14 20 | 1 41 | 13 7 | 0 43 | 3 39 | 1 42 | 1 17 | 15 4 | 14 26 | 14 20 | 24 25 | 10 32 | 7 2 | M30 |
| T 31 | 16n26 | 7n22 | 1s29 | 20n41 | 1n 6 | 9n 8 | 1n20 | 16n 2 | 1s38 | 10n49 | 1n 1 | 14s22 | 1s41 | 13n 6 | 0n43 | 3n38 | 1s42 | 1n17 | 15s 4 | 14s26 | 14s21 | 24n26 | 10s32 | 7n 2 | T 31 |

Julian Day Number = 2223457.5, Delta T = 08m31s
Ecliptic obliquity = 23°31'20, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'45, Lahiri = 15°08'45 Julian Calendar 1 July 1375 == Greg. Calendar 9 July 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## AUGUST 1375 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 8 47 | 15♌50'27 | 21♍12 | 4♌37 | 11♍ 4 | 19♉49 | 4♍46 | 26°R16 | 27♌26 | 13°R 8 | 12♉35 | 21♒21 | 21♒35 | 26♉41 | 11°R45 | W 1 |
| T 2 | 21 12 43 | 16°48'12 | 4♎59 | 6°34 | 12°18 | 20°24 | 4°59 | 26♒11 | 27°30 | 13♈ 8 | 12°35 | 21°21 | 21°32 | 26°48 | 11♒42 | T 2 |
| F 3 | 21 16 40 | 17°45'58 | 18°55 | 8°32 | 13°31 | 20°59 | 5°12 | 26° 7 | 27°34 | 13° 7 | 12°36 | 21°21 | 21°28 | 26°54 | 11°39 | F 3 |
| S 4 | 21 20 36 | 18°43'46 | 3♏ 0 | 10°32 | 14°44 | 21°34 | 5°24 | 26° 2 | 27°37 | 13° 6 | 12°36 | 21°22 | 21°25 | 27° 1 | 11°36 | S 4 |
| S 5 | 21 24 33 | 19°41'34 | 17°11 | 12°32 | 15°57 | 22° 9 | 5°37 | 25°58 | 27°41 | 13° 5 | 12°R36 | 21°R22 | 21°22 | 27° 8 | 11°32 | S 5 |
| M 6 | 21 28 29 | 20°39'24 | 1♐26 | 14°32 | 17°10 | 22°43 | 5°50 | 25°53 | 27°45 | 13° 5 | 12°36 | 21°22 | 21°19 | 27°15 | 11°29 | M 6 |
| T 7 | 21 32 26 | 21°37'15 | 15°42 | 16°32 | 18°23 | 23°17 | 6° 3 | 25°49 | 27°49 | 13° 4 | 12°35 | 21°D22 | 21°16 | 27°21 | 11°26 | T 7 |
| W 8 | 21 36 23 | 22°35'07 | 29°56 | 18°32 | 19°36 | 23°51 | 6°15 | 25°44 | 27°52 | 13° 3 | 12°35 | 21°22 | 21°12 | 27°28 | 11°23 | W 8 |
| T 9 | 21 40 19 | 23°33'01 | 14♑ 5 | 20°32 | 20°49 | 24°25 | 6°28 | 25°40 | 27°56 | 13° 2 | 12°35 | 21°22 | 21° 9 | 27°35 | 11°20 | T 9 |
| F 10 | 21 44 16 | 24°30'56 | 28° 6 | 22°31 | 22° 2 | 24°58 | 6°41 | 25°35 | 28° 0 | 13° 1 | 12°35 | 21°22 | 21° 6 | 27°41 | 11°17 | F 10 |
| S 11 | 21 48 12 | 25°28'52 | 11♒56 | 24°29 | 23°15 | 25°31 | 6°54 | 25°31 | 28° 4 | 13° 0 | 12°35 | 21°22 | 21° 3 | 27°48 | 11°14 | S 11 |
| S 12 | 21 52 9 | 26°26'50 | 25°31 | 26°27 | 24°28 | 26° 4 | 7° 7 | 25°26 | 28° 7 | 12°59 | 12°35 | 21°R22 | 21° 0 | 27°55 | 11°11 | S 12 |
| M13 | 21 56 5 | 27°24'49 | 8♓50 | 28°23 | 25°41 | 26°37 | 7°20 | 25°21 | 28°11 | 12°58 | 12°35 | 21°22 | 20°57 | 28° 2 | 11° 8 | M13 |
| T 14 | 22 0 2 | 28°22'50 | 21°52 | 0♍19 | 26°54 | 27° 9 | 7°33 | 25°17 | 28°15 | 12°57 | 12°35 | 21°22 | 20°53 | 28° 8 | 11° 5 | T 14 |
| W15 | 22 3 58 | 29°20'53 | 4♈36 | 2°13 | 28° 7 | 27°41 | 7°45 | 25°12 | 28°19 | 12°56 | 12°34 | 21°21 | 20°50 | 28°15 | 11° 2 | W15 |
| T 16 | 22 7 55 | 0♍18'57 | 17° 4 | 4° 6 | 29°20 | 28°13 | 7°58 | 25° 8 | 28°22 | 12°55 | 12°34 | 21°20 | 20°47 | 28°22 | 11° 0 | T 16 |
| F 17 | 22 11 51 | 1°17'04 | 29°17 | 5°59 | 0♎33 | 28°45 | 8°11 | 25° 3 | 28°26 | 12°53 | 12°34 | 21°18 | 20°44 | 28°28 | 10°57 | F 17 |
| S 18 | 22 15 48 | 2°15'13 | 11♉20 | 7°50 | 1°46 | 29°16 | 8°24 | 24°59 | 28°30 | 12°52 | 12°34 | 21°17 | 20°41 | 28°35 | 10°54 | S 18 |
| S 19 | 22 19 45 | 3°13'23 | 23°16 | 9°39 | 2°59 | 29°47 | 8°37 | 24°54 | 28°34 | 12°51 | 12°33 | 21°16 | 20°38 | 28°42 | 10°51 | S 19 |
| M20 | 22 23 41 | 4°11'36 | 5♊ 9 | 11°28 | 4°11 | 0♊18 | 8°50 | 24°50 | 28°37 | 12°50 | 12°33 | 21°D16 | 20°34 | 28°49 | 10°48 | M20 |
| T 21 | 22 27 38 | 5° 9'51 | 17° 4 | 13°15 | 5°24 | 0°48 | 9° 3 | 24°45 | 28°41 | 12°49 | 12°33 | 21°17 | 20°31 | 28°55 | 10°45 | T 21 |
| W22 | 22 31 34 | 6° 8'08 | 29° 6 | 15° 2 | 6°37 | 1°18 | 9°16 | 24°41 | 28°45 | 12°47 | 12°32 | 21°17 | 20°28 | 29° 2 | 10°43 | W22 |
| T 23 | 22 35 31 | 7° 6'27 | 11♋18 | 16°47 | 7°50 | 1°48 | 9°29 | 24°36 | 28°49 | 12°46 | 12°32 | 21°19 | 20°25 | 29° 9 | 10°40 | T 23 |
| F 24 | 22 39 27 | 8° 4'48 | 23°45 | 18°31 | 9° 3 | 2°17 | 9°42 | 24°32 | 28°52 | 12°45 | 12°32 | 21°20 | 20°22 | 29°16 | 10°37 | F 24 |
| S 25 | 22 43 24 | 9° 3'11 | 6♌30 | 20°14 | 10°15 | 2°47 | 9°55 | 24°28 | 28°56 | 12°43 | 12°31 | 21°21 | 20°18 | 29°22 | 10°35 | S 25 |
| S 26 | 22 47 21 | 10° 1'36 | 19°36 | 21°55 | 11°28 | 3°15 | 10° 8 | 24°23 | 29° 0 | 12°42 | 12°31 | 21°R22 | 20°15 | 29°29 | 10°32 | S 26 |
| M27 | 22 51 17 | 11° 0'02 | 3♍ 1 | 23°36 | 12°41 | 3°44 | 10°21 | 24°19 | 29° 4 | 12°41 | 12°30 | 21°21 | 20°12 | 29°36 | 10°30 | M27 |
| T 28 | 22 55 14 | 11°58'31 | 16°47 | 25°15 | 13°53 | 4°12 | 10°34 | 24°15 | 29° 7 | 12°39 | 12°30 | 21°20 | 20° 9 | 29°42 | 10°27 | T 28 |
| W29 | 22 59 10 | 12°57'02 | 0♎49 | 26°54 | 15° 6 | 4°39 | 10°47 | 24°11 | 29°11 | 12°38 | 12°29 | 21°18 | 20° 6 | 29°49 | 10°25 | W29 |
| T 30 | 23 3 7 | 13°55'35 | 15° 3 | 28°31 | 16°18 | 5° 7 | 11° 0 | 24° 6 | 29°15 | 12°37 | 12°29 | 21°15 | 20° 3 | 29°56 | 10°22 | T 30 |
| F 31 | 23 7 3 | 14♍54'09 | 29♎25 | 0♎ 7 | 17♎31 | 5♊33 | 11♍13 | 24♒ 2 | 29♌18 | 12♈35 | 12♉28 | 21♒11 | 19♒59 | 0♊ 3 | 10♒20 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n 9 | 1n 5 | 2s38 | 20n22 | 1n14 | 8n39 | 1n19 | 16n12 | 1s37 | 10n45 | 1n 1 | 14s24 | 1s41 | 13n 4 | 0n43 | 3n38 | 1s43 | 1n17 | 15s 5 | 14s26 | 14s22 | 24n28 | 10s33 | 7n 2 |
| T 2 | 15 51 | 5s20 | 3 39 | 20 0 | 1 21 | 8 10 | 1 17 | 16 22 | 1 36 | 10 40 | 1 1 | 14 25 | 1 41 | 13 3 | 0 43 | 3 38 | 1 43 | 1 16 | 15 5 | 14 26 | 14 23 | 24 29 | 10 34 | 7 2 |
| F 3 | 15 34 | 11 33 | 4 28 | 19 35 | 1 27 | 7 40 | 1 16 | 16 32 | 1 36 | 10 36 | 1 1 | 14 27 | 1 41 | 13 2 | 0 43 | 3 37 | 1 43 | 1 16 | 15 5 | 14 26 | 14 24 | 24 31 | 10 35 | 7 2 |
| S 4 | 15 16 | 17 15 | 5 1 | 19 8 | 1 32 | 7 10 | 1 14 | 16 41 | 1 35 | 10 31 | 1 1 | 14 28 | 1 42 | 13 1 | 0 43 | 3 37 | 1 43 | 1 16 | 15 6 | 14 26 | 14 25 | 24 32 | 10 36 | 7 2 |
| S 5 | 14 58 | 22 4 | 5 16 | 18 39 | 1 36 | 6 41 | 1 13 | 16 51 | 1 34 | 10 26 | 1 1 | 14 30 | 1 42 | 12 59 | 0 43 | 3 37 | 1 43 | 1 16 | 15 6 | 14 26 | 14 26 | 24 34 | 10 37 | 7 2 |
| M 6 | 14 39 | 25 36 | 5 12 | 18 7 | 1 40 | 6 10 | 1 11 | 17 0 | 1 34 | 10 21 | 1 1 | 14 32 | 1 42 | 12 58 | 0 43 | 3 36 | 1 43 | 1 15 | 15 6 | 14 26 | 14 27 | 24 35 | 10 38 | 7 2 |
| T 7 | 14 21 | 27 32 | 4 49 | 17 34 | 1 43 | 5 40 | 1 9 | 17 10 | 1 33 | 10 17 | 1 1 | 14 33 | 1 42 | 12 57 | 0 43 | 3 36 | 1 43 | 1 15 | 15 6 | 14 26 | 14 28 | 24 37 | 10 39 | 7 2 |
| W 8 | 14 2 | 27 39 | 4 8 | 16 59 | 1 45 | 5 10 | 1 7 | 17 19 | 1 32 | 10 12 | 1 1 | 14 35 | 1 42 | 12 55 | 0 43 | 3 35 | 1 43 | 1 15 | 15 7 | 14 26 | 14 29 | 24 38 | 10 40 | 7 2 |
| T 9 | 13 43 | 25 58 | 3 12 | 16 22 | 1 46 | 4 39 | 1 6 | 17 28 | 1 32 | 10 7 | 1 1 | 14 37 | 1 42 | 12 54 | 0 43 | 3 35 | 1 43 | 1 14 | 15 7 | 14 26 | 14 30 | 24 40 | 10 41 | 7 1 |
| F 10 | 13 24 | 22 40 | 2 5 | 15 44 | 1 46 | 4 9 | 1 4 | 17 36 | 1 31 | 10 2 | 1 1 | 14 38 | 1 42 | 12 53 | 0 43 | 3 35 | 1 43 | 1 14 | 15 7 | 14 26 | 14 31 | 24 41 | 10 42 | 7 1 |
| S 11 | 13 4 | 18 6 | 0 52 | 15 4 | 1 46 | 3 38 | 1 2 | 17 45 | 1 30 | 9 58 | 1 1 | 14 40 | 1 42 | 12 51 | 0 43 | 3 34 | 1 43 | 1 14 | 15 8 | 14 26 | 14 32 | 24 43 | 10 43 | 7 1 |
| S 12 | 12 45 | 12 42 | 0n23 | 14 24 | 1 45 | 3 7 | 1 0 | 17 54 | 1 29 | 9 53 | 1 1 | 14 41 | 1 42 | 12 50 | 0 43 | 3 34 | 1 43 | 1 13 | 15 8 | 14 26 | 14 33 | 24 44 | 10 44 | 7 1 |
| M13 | 12 25 | 6 49 | 1 35 | 13 42 | 1 44 | 2 36 | 0 57 | 18 2 | 1 28 | 9 48 | 1 1 | 14 43 | 1 42 | 12 49 | 0 43 | 3 33 | 1 43 | 1 13 | 15 8 | 14 26 | 14 34 | 24 46 | 10 45 | 7 1 |
| T 14 | 12 5 | 0 47 | 2 41 | 12 59 | 1 42 | 2 5 | 0 55 | 18 10 | 1 28 | 9 43 | 1 2 | 14 45 | 1 42 | 12 48 | 0 43 | 3 33 | 1 43 | 1 13 | 15 8 | 14 26 | 14 35 | 24 47 | 10 45 | 7 1 |
| W15 | 11 44 | 5n 9 | 3 37 | 12 16 | 1 39 | 1 34 | 0 53 | 18 18 | 1 27 | 9 38 | 1 2 | 14 46 | 1 42 | 12 46 | 0 43 | 3 32 | 1 43 | 1 13 | 15 9 | 14 26 | 14 36 | 24 49 | 10 46 | 7 0 |
| T 16 | 11 24 | 10 45 | 4 22 | 11 32 | 1 36 | 1 3 | 0 51 | 18 26 | 1 26 | 9 34 | 1 2 | 14 48 | 1 42 | 12 45 | 0 43 | 3 32 | 1 43 | 1 12 | 15 9 | 14 27 | 14 37 | 24 50 | 10 47 | 7 0 |
| F 17 | 11 3 | 15 49 | 4 53 | 10 47 | 1 33 | 0 31 | 0 48 | 18 34 | 1 25 | 9 29 | 1 2 | 14 49 | 1 43 | 12 44 | 0 43 | 3 31 | 1 43 | 1 12 | 15 9 | 14 27 | 14 38 | 24 51 | 10 48 | 7 0 |
| S 18 | 10 43 | 20 13 | 5 11 | 10 2 | 1 29 | 0s 0 | 0 46 | 18 42 | 1 24 | 9 24 | 1 2 | 14 51 | 1 43 | 12 42 | 0 43 | 3 31 | 1 43 | 1 12 | 15 9 | 14 27 | 14 39 | 24 53 | 10 49 | 7 0 |
| S 19 | 10 22 | 23 45 | 5 16 | 9 17 | 1 25 | 0 31 | 0 44 | 18 49 | 1 23 | 9 19 | 1 2 | 14 53 | 1 43 | 12 41 | 0 43 | 3 30 | 1 43 | 1 11 | 15 10 | 14 28 | 14 40 | 24 54 | 10 50 | 7 0 |
| M20 | 10 0 | 26 16 | 5 7 | 8 31 | 1 20 | 1 3 | 0 41 | 18 57 | 1 22 | 9 14 | 1 2 | 14 54 | 1 43 | 12 40 | 0 43 | 3 30 | 1 43 | 1 11 | 15 10 | 14 28 | 14 41 | 24 56 | 10 51 | 6 59 |
| T 21 | 9 39 | 27 37 | 4 45 | 7 45 | 1 15 | 1 34 | 0 38 | 19 4 | 1 21 | 9 9 | 1 2 | 14 56 | 1 43 | 12 38 | 0 43 | 3 29 | 1 43 | 1 10 | 15 10 | 14 27 | 14 42 | 24 57 | 10 52 | 6 59 |
| W22 | 9 18 | 27 41 | 4 10 | 6 59 | 1 10 | 2 5 | 0 36 | 19 11 | 1 20 | 9 4 | 1 2 | 14 57 | 1 43 | 12 37 | 0 43 | 3 29 | 1 44 | 1 10 | 15 11 | 14 27 | 14 43 | 24 58 | 10 53 | 6 59 |
| T 23 | 8 56 | 26 25 | 3 23 | 6 13 | 1 4 | 2 37 | 0 33 | 19 18 | 1 19 | 9 0 | 1 2 | 14 59 | 1 43 | 12 36 | 0 43 | 3 28 | 1 44 | 1 10 | 15 11 | 14 27 | 14 44 | 25 0 | 10 54 | 6 59 |
| F 24 | 8 34 | 23 50 | 2 26 | 5 27 | 0 58 | 3 8 | 0 30 | 19 25 | 1 18 | 8 55 | 1 2 | 15 0 | 1 43 | 12 34 | 0 43 | 3 28 | 1 44 | 1 9 | 15 11 | 14 26 | 14 45 | 25 1 | 10 55 | 6 58 |
| S 25 | 8 12 | 20 1 | 1 21 | 4 41 | 0 52 | 3 39 | 0 28 | 19 32 | 1 17 | 8 50 | 1 2 | 15 2 | 1 43 | 12 33 | 0 43 | 3 27 | 1 44 | 1 9 | 15 11 | 14 26 | 14 46 | 25 3 | 10 56 | 6 58 |
| S 26 | 7 50 | 15 9 | 0 10 | 3 55 | 0 46 | 4 10 | 0 25 | 19 38 | 1 16 | 8 45 | 1 2 | 15 3 | 1 43 | 12 32 | 0 43 | 3 27 | 1 44 | 1 9 | 15 12 | 14 26 | 14 47 | 25 4 | 10 57 | 6 58 |
| M27 | 7 28 | 9 26 | 1s 4 | 3 9 | 0 40 | 4 41 | 0 22 | 19 45 | 1 15 | 8 40 | 1 2 | 15 5 | 1 43 | 12 31 | 0 43 | 3 26 | 1 44 | 1 8 | 15 12 | 14 26 | 14 48 | 25 5 | 10 58 | 6 58 |
| T 28 | 7 6 | 3 10 | 2 15 | 2 24 | 0 33 | 5 12 | 0 19 | 19 51 | 1 14 | 8 35 | 1 2 | 15 6 | 1 43 | 12 29 | 0 43 | 3 25 | 1 44 | 1 8 | 15 12 | 14 26 | 14 49 | 25 7 | 10 59 | 6 57 |
| W29 | 6 43 | 3s23 | 3 20 | 1 38 | 0 26 | 5 43 | 0 16 | 19 57 | 1 13 | 8 30 | 1 2 | 15 7 | 1 43 | 12 28 | 0 43 | 3 25 | 1 44 | 1 8 | 15 12 | 14 27 | 14 50 | 25 8 | 11 0 | 6 57 |
| T 30 | 6 21 | 9 50 | 4 13 | 0 53 | 0 19 | 6 14 | 0 13 | 20 3 | 1 12 | 8 25 | 1 2 | 15 9 | 1 43 | 12 27 | 0 43 | 3 24 | 1 44 | 1 7 | 15 13 | 14 28 | 14 51 | 25 9 | 11 1 | 6 57 |
| F 31 | 5n58 | 15s50 | 4s51 | 0n 8 | 0n12 | 6s44 | 0n10 | 20n 9 | 1s10 | 8n20 | 1n 2 | 15s10 | 1s43 | 12n25 | 0n43 | 3n24 | 1s44 | 1n 7 | 15s13 | 14s29 | 14s52 | 25n11 | 11s 2 | 6n56 |

Julian Day Number = 2223488.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'49, Lahiri = 15°08'50 Julian Calendar 1 Aug. 1375 == Greg. Calendar 9 Aug. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## SEPTEMBER 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 11 0 | 15♍52'45 | 13♏50 | 1♎42 | 18♎44 | 6♊ 0 | 11♍26 | 23°R58 | 29♌22 | 12°R34 | 12°R28 | 21°R 8 | 19♒56 | 0♊ 9 | 10°R17 | S 1 |
| S 2 | 23 14 56 | 16°51'23 | 28°13 | 3°17 | 19°56 | 6°26 | 11°39 | 23♒54 | 29°26 | 12♈32 | 12♉27 | 21♒ 6 | 19°53 | 0°16 | 10♒15 | S 2 |
| M 3 | 23 18 53 | 17°50'02 | 12♐29 | 4°50 | 21° 9 | 6°52 | 11°52 | 23°50 | 29°29 | 12°31 | 12°27 | 21°D 5 | 19°50 | 0°23 | 10°13 | M 3 |
| T 4 | 23 22 49 | 18°48'44 | 26°37 | 6°22 | 22°21 | 7°17 | 12° 5 | 23°46 | 29°33 | 12°29 | 12°26 | 21° 5 | 19°47 | 0°29 | 10°11 | T 4 |
| W 5 | 23 26 46 | 19°47'27 | 10♑35 | 7°53 | 23°33 | 7°42 | 12°18 | 23°42 | 29°36 | 12°28 | 12°26 | 21° 6 | 19°43 | 0°36 | 10° 8 | W 5 |
| T 6 | 23 30 43 | 20°46'11 | 24°22 | 9°24 | 24°46 | 8° 6 | 12°31 | 23°39 | 29°40 | 12°26 | 12°25 | 21° 8 | 19°40 | 0°43 | 10° 6 | T 6 |
| F 7 | 23 34 39 | 21°44'58 | 7♒56 | 10°53 | 25°58 | 8°30 | 12°44 | 23°35 | 29°44 | 12°25 | 12°24 | 21° 9 | 19°37 | 0°50 | 10° 4 | F 7 |
| S 8 | 23 38 36 | 22°43'46 | 21°20 | 12°21 | 27°10 | 8°54 | 12°57 | 23°31 | 29°47 | 12°23 | 12°24 | 21°R10 | 19°34 | 0°56 | 10° 2 | S 8 |
| S 9 | 23 42 32 | 23°42'36 | 4♓31 | 13°48 | 28°23 | 9°17 | 13°10 | 23°28 | 29°51 | 12°22 | 12°23 | 21° 9 | 19°31 | 1° 3 | 10° 0 | S 9 |
| M10 | 23 46 29 | 24°41'28 | 17°29 | 15°14 | 29°35 | 9°40 | 13°23 | 23°24 | 29°54 | 12°20 | 12°22 | 21° 7 | 19°28 | 1°10 | 9°58 | M10 |
| T 11 | 23 50 25 | 25°40'22 | 0♈15 | 16°39 | 0♏47 | 10° 2 | 13°36 | 23°20 | 29°58 | 12°18 | 12°22 | 21° 3 | 19°24 | 1°17 | 9°56 | T 11 |
| W12 | 23 54 22 | 26°39'17 | 12°48 | 18° 3 | 1°59 | 10°24 | 13°49 | 23°17 | 0♍ 1 | 12°17 | 12°21 | 20°57 | 19°21 | 1°23 | 9°55 | W12 |
| T 13 | 23 58 18 | 27°38'15 | 25° 9 | 19°26 | 3°12 | 10°45 | 14° 2 | 23°14 | 0° 5 | 12°15 | 12°20 | 20°51 | 19°18 | 1°30 | 9°53 | T 13 |
| F 14 | 0 2 15 | 28°37'16 | 7♉19 | 20°48 | 4°24 | 11° 6 | 14°14 | 23°10 | 0° 8 | 12°14 | 12°19 | 20°44 | 19°15 | 1°37 | 9°51 | F 14 |
| S 15 | 0 6 12 | 29°36'18 | 19°20 | 22° 9 | 5°36 | 11°26 | 14°27 | 23° 7 | 0°11 | 12°12 | 12°19 | 20°37 | 19°12 | 1°43 | 9°49 | S 15 |
| S 16 | 0 10 8 | 0♎35'23 | 1♊15 | 23°28 | 6°48 | 11°45 | 14°40 | 23° 4 | 0°15 | 12°10 | 12°18 | 20°32 | 19° 9 | 1°50 | 9°48 | S 16 |
| M17 | 0 14 5 | 1°34'30 | 13° 6 | 24°46 | 8° 0 | 12° 5 | 14°53 | 23° 1 | 0°18 | 12° 9 | 12°17 | 20°28 | 19° 5 | 1°57 | 9°46 | M17 |
| T 18 | 0 18 1 | 2°33'40 | 24°59 | 26° 3 | 9°12 | 12°23 | 15° 5 | 22°58 | 0°21 | 12° 7 | 12°16 | 20°26 | 19° 2 | 2° 4 | 9°45 | T 18 |
| W19 | 0 21 58 | 3°32'52 | 6♋58 | 27°19 | 10°24 | 12°41 | 15°18 | 22°55 | 0°25 | 12° 5 | 12°15 | 20°D26 | 18°59 | 2°10 | 9°43 | W19 |
| T 20 | 0 25 54 | 4°32'06 | 19° 8 | 28°33 | 11°36 | 12°59 | 15°31 | 22°52 | 0°28 | 12° 4 | 12°14 | 20°27 | 18°56 | 2°17 | 9°42 | T 20 |
| F 21 | 0 29 51 | 5°31'22 | 1♌34 | 29°45 | 12°47 | 13°15 | 15°43 | 22°49 | 0°31 | 12° 2 | 12°14 | 20°28 | 18°53 | 2°24 | 9°41 | F 21 |
| S 22 | 0 33 47 | 6°30'41 | 14°21 | 0♏56 | 13°59 | 13°32 | 15°56 | 22°47 | 0°35 | 12° 0 | 12°13 | 20°R30 | 18°49 | 2°30 | 9°39 | S 22 |
| S 23 | 0 37 44 | 7°30'02 | 27°32 | 2° 5 | 15°11 | 13°47 | 16° 9 | 22°44 | 0°38 | 11°59 | 12°12 | 20°29 | 18°46 | 2°37 | 9°38 | S 23 |
| M24 | 0 41 41 | 8°29'25 | 11♍ 8 | 3°12 | 16°23 | 14° 2 | 16°21 | 22°42 | 0°41 | 11°57 | 12°11 | 20°28 | 18°43 | 2°44 | 9°37 | M24 |
| T 25 | 0 45 37 | 9°28'51 | 25°10 | 4°16 | 17°34 | 14°17 | 16°34 | 22°39 | 0°44 | 11°55 | 12°10 | 20°23 | 18°40 | 2°51 | 9°36 | T 25 |
| W26 | 0 49 34 | 10°28'18 | 9♎35 | 5°19 | 18°46 | 14°30 | 16°46 | 22°37 | 0°47 | 11°54 | 12° 9 | 20°17 | 18°37 | 2°57 | 9°35 | W26 |
| T 27 | 0 53 30 | 11°27'48 | 24°17 | 6°19 | 19°58 | 14°43 | 16°58 | 22°35 | 0°50 | 11°52 | 12° 8 | 20°10 | 18°34 | 3° 4 | 9°34 | T 27 |
| F 28 | 0 57 27 | 12°27'20 | 9♏ 7 | 7°16 | 21° 9 | 14°56 | 17°11 | 22°33 | 0°53 | 11°50 | 12° 7 | 20° 1 | 18°30 | 3°11 | 9°33 | F 28 |
| S 29 | 1 1 23 | 13°26'54 | 23°58 | 8°10 | 22°21 | 15° 7 | 17°23 | 22°31 | 0°56 | 11°49 | 12° 6 | 19°53 | 18°27 | 3°17 | 9°32 | S 29 |
| S 30 | 1 5 20 | 14♎26'29 | 8♐42 | 9♏ 1 | 23♏32 | 15♊18 | 17♍35 | 22♒29 | 0♍59 | 11♈47 | 12♉ 5 | 19♒47 | 18♒24 | 3♊24 | 9♒31 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n35 | 20s59 | 5s11 | 0s36 | 0n 5 | 7s15 | 0n 7 | 20n15 | 1s 9 | 8n15 | 1n 2 | 15s12 | 1s43 | 12n24 | 0n43 | 3n23 | 1s44 | 1n 6 | 15s13 | 14s30 | 14s53 | 25n12 | 11s 2 | 6n56 |
| S 2 | 5 12 | 24 53 | 5 11 | 1 21 | 0s 2 | 7 45 | 0 4 | 20 20 | 1 8 | 8 10 | 1 2 | 15 13 | 1 43 | 12 23 | 0 43 | 3 23 | 1 44 | 1 6 | 15 13 | 14 31 | 14 54 | 25 13 | 11 3 | 6 56 |
| M 3 | 4 49 | 27 12 | 4 52 | 2 5 | 0 10 | 8 16 | 0 1 | 20 26 | 1 7 | 8 5 | 1 2 | 15 14 | 1 43 | 12 22 | 0 43 | 3 22 | 1 44 | 1 6 | 15 14 | 14 31 | 14 55 | 25 15 | 11 4 | 6 55 |
| T 4 | 4 26 | 27 44 | 4 15 | 2 48 | 0 17 | 8 46 | 0s 2 | 20 31 | 1 6 | 8 1 | 1 2 | 15 16 | 1 43 | 12 20 | 0 43 | 3 21 | 1 44 | 1 5 | 15 14 | 14 31 | 14 56 | 25 16 | 11 5 | 6 55 |
| W 5 | 4 3 | 26 29 | 3 24 | 3 31 | 0 25 | 9 16 | 0 5 | 20 37 | 1 4 | 7 56 | 1 2 | 15 17 | 1 43 | 12 19 | 0 43 | 3 21 | 1 44 | 1 5 | 15 14 | 14 31 | 14 57 | 25 17 | 11 6 | 6 55 |
| T 6 | 3 40 | 23 38 | 2 21 | 4 14 | 0 32 | 9 45 | 0 8 | 20 42 | 1 3 | 7 51 | 1 2 | 15 18 | 1 43 | 12 18 | 0 43 | 3 20 | 1 44 | 1 4 | 15 14 | 14 30 | 14 58 | 25 18 | 11 7 | 6 54 |
| F 7 | 3 17 | 19 30 | 1 12 | 4 56 | 0 40 | 10 15 | 0 12 | 20 47 | 1 2 | 7 46 | 1 2 | 15 19 | 1 43 | 12 17 | 0 43 | 3 19 | 1 44 | 1 4 | 15 14 | 14 30 | 14 59 | 25 20 | 11 8 | 6 54 |
| S 8 | 2 54 | 14 26 | 0n 1 | 5 37 | 0 47 | 10 44 | 0 15 | 20 52 | 1 0 | 7 41 | 1 3 | 15 21 | 1 43 | 12 15 | 0 43 | 3 19 | 1 44 | 1 4 | 15 15 | 14 30 | 15 0 | 25 21 | 11 9 | 6 54 |
| S 9 | 2 30 | 8 46 | 1 12 | 6 18 | 0 55 | 11 13 | 0 18 | 20 57 | 0 59 | 7 36 | 1 3 | 15 22 | 1 43 | 12 14 | 0 43 | 3 18 | 1 44 | 1 3 | 15 15 | 14 30 | 15 1 | 25 22 | 11 10 | 6 53 |
| M10 | 2 7 | 2 50 | 2 19 | 6 59 | 1 2 | 11 42 | 0 21 | 21 2 | 0 57 | 7 31 | 1 3 | 15 23 | 1 43 | 12 13 | 0 43 | 3 18 | 1 44 | 1 3 | 15 15 | 14 31 | 15 2 | 25 23 | 11 10 | 6 53 |
| T 11 | 1 44 | 3n 6 | 3 17 | 7 39 | 1 10 | 12 10 | 0 25 | 21 7 | 0 56 | 7 26 | 1 3 | 15 24 | 1 43 | 12 12 | 0 43 | 3 17 | 1 44 | 1 2 | 15 15 | 14 32 | 15 3 | 25 25 | 11 11 | 6 53 |
| W12 | 1 20 | 8 49 | 4 4 | 8 18 | 1 17 | 12 39 | 0 28 | 21 11 | 0 54 | 7 21 | 1 3 | 15 25 | 1 43 | 12 11 | 0 43 | 3 16 | 1 44 | 1 2 | 15 16 | 14 34 | 15 4 | 25 26 | 11 12 | 6 52 |
| T 13 | 0 57 | 14 6 | 4 39 | 8 56 | 1 25 | 13 7 | 0 31 | 21 16 | 0 53 | 7 16 | 1 3 | 15 26 | 1 43 | 12 9 | 0 43 | 3 16 | 1 44 | 1 2 | 15 16 | 14 36 | 15 5 | 25 27 | 11 13 | 6 52 |
| F 14 | 0 33 | 18 44 | 5 1 | 9 34 | 1 32 | 13 34 | 0 34 | 21 20 | 0 51 | 7 11 | 1 3 | 15 27 | 1 43 | 12 8 | 0 43 | 3 15 | 1 44 | 1 1 | 15 16 | 14 38 | 15 6 | 25 28 | 11 14 | 6 51 |
| S 15 | 0 9 | 22 35 | 5 9 | 10 11 | 1 39 | 14 2 | 0 38 | 21 24 | 0 50 | 7 7 | 1 3 | 15 28 | 1 43 | 12 7 | 0 43 | 3 14 | 1 44 | 1 1 | 15 16 | 14 40 | 15 7 | 25 30 | 11 15 | 6 51 |
| S 16 | 0s14 | 25 26 | 5 4 | 10 48 | 1 47 | 14 29 | 0 41 | 21 29 | 0 48 | 7 2 | 1 3 | 15 29 | 1 43 | 12 6 | 0 43 | 3 14 | 1 44 | 1 0 | 15 16 | 14 42 | 15 8 | 25 31 | 11 15 | 6 51 |
| M17 | 0 38 | 27 11 | 4 46 | 11 23 | 1 54 | 14 55 | 0 44 | 21 33 | 0 47 | 6 57 | 1 3 | 15 30 | 1 42 | 12 5 | 0 43 | 3 13 | 1 44 | 1 0 | 15 17 | 14 43 | 15 9 | 25 32 | 11 16 | 6 50 |
| T 18 | 1 1 | 27 41 | 4 15 | 11 58 | 2 0 | 15 22 | 0 48 | 21 37 | 0 45 | 6 52 | 1 3 | 15 31 | 1 42 | 12 3 | 0 43 | 3 12 | 1 44 | 1 0 | 15 17 | 14 44 | 15 10 | 25 33 | 11 17 | 6 50 |
| W19 | 1 25 | 26 53 | 3 33 | 12 32 | 2 7 | 15 48 | 0 51 | 21 41 | 0 43 | 6 47 | 1 3 | 15 32 | 1 42 | 12 2 | 0 43 | 3 12 | 1 44 | 0 59 | 15 17 | 14 44 | 15 11 | 25 34 | 11 18 | 6 49 |
| T 20 | 1 48 | 24 49 | 2 41 | 13 5 | 2 14 | 16 14 | 0 54 | 21 45 | 0 42 | 6 42 | 1 3 | 15 33 | 1 42 | 12 1 | 0 43 | 3 11 | 1 44 | 0 59 | 15 17 | 14 43 | 15 12 | 25 36 | 11 18 | 6 49 |
| F 21 | 2 12 | 21 31 | 1 40 | 13 36 | 2 20 | 16 39 | 0 58 | 21 49 | 0 40 | 6 37 | 1 4 | 15 34 | 1 42 | 12 0 | 0 43 | 3 10 | 1 44 | 0 58 | 15 17 | 14 43 | 15 13 | 25 37 | 11 19 | 6 49 |
| S 22 | 2 36 | 17 7 | 0 33 | 14 7 | 2 26 | 17 4 | 1 1 | 21 52 | 0 38 | 6 33 | 1 4 | 15 35 | 1 42 | 11 59 | 0 43 | 3 10 | 1 44 | 0 58 | 15 17 | 14 43 | 15 14 | 25 38 | 11 20 | 6 48 |
| S 23 | 2 59 | 11 47 | 0s38 | 14 37 | 2 32 | 17 28 | 1 4 | 21 56 | 0 36 | 6 28 | 1 4 | 15 35 | 1 42 | 11 58 | 0 43 | 3 9 | 1 44 | 0 58 | 15 18 | 14 43 | 15 15 | 25 39 | 11 21 | 6 48 |
| M24 | 3 23 | 5 44 | 1 49 | 15 5 | 2 38 | 17 52 | 1 8 | 22 0 | 0 34 | 6 23 | 1 4 | 15 36 | 1 42 | 11 57 | 0 43 | 3 8 | 1 44 | 0 57 | 15 18 | 14 43 | 15 16 | 25 40 | 11 21 | 6 47 |
| T 25 | 3 46 | 0s45 | 2 55 | 15 33 | 2 43 | 18 16 | 1 11 | 22 3 | 0 33 | 6 18 | 1 4 | 15 37 | 1 42 | 11 56 | 0 43 | 3 8 | 1 44 | 0 57 | 15 18 | 14 44 | 15 17 | 25 41 | 11 22 | 6 47 |
| W26 | 4 10 | 7 22 | 3 53 | 15 59 | 2 48 | 18 39 | 1 14 | 22 7 | 0 31 | 6 13 | 1 4 | 15 38 | 1 42 | 11 55 | 0 43 | 3 7 | 1 44 | 0 56 | 15 18 | 14 46 | 15 18 | 25 43 | 11 23 | 6 47 |
| T 27 | 4 33 | 13 42 | 4 35 | 16 23 | 2 53 | 19 2 | 1 18 | 22 10 | 0 29 | 6 9 | 1 4 | 15 38 | 1 42 | 11 53 | 0 43 | 3 6 | 1 44 | 0 56 | 15 18 | 14 49 | 15 19 | 25 44 | 11 23 | 6 46 |
| F 28 | 4 56 | 19 19 | 5 0 | 16 46 | 2 57 | 19 25 | 1 21 | 22 13 | 0 27 | 6 4 | 1 4 | 15 39 | 1 42 | 11 52 | 0 43 | 3 6 | 1 44 | 0 56 | 15 18 | 14 52 | 15 20 | 25 45 | 11 24 | 6 46 |
| S 29 | 5 20 | 23 45 | 5 5 | 17 7 | 3 0 | 19 46 | 1 24 | 22 17 | 0 25 | 5 59 | 1 4 | 15 40 | 1 42 | 11 51 | 0 43 | 3 5 | 1 44 | 0 55 | 15 18 | 14 54 | 15 21 | 25 46 | 11 25 | 6 45 |
| S 30 | 5s43 | 26s35 | 4s49 | 17s27 | 3s 4 | 20s 8 | 1s27 | 22n20 | 0s23 | 5n54 | 1n 4 | 15s40 | 1s42 | 11n50 | 0n44 | 3n 4 | 1s44 | 0n55 | 15s19 | 14s56 | 15s22 | 25n47 | 11s25 | 6n45 |

Julian Day Number = 2223519.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'53, Lahiri = 15°08'54 Julian Calendar 1 Sept. 1375 == Greg. Calendar 9 Sept. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## OCTOBER 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 9 16 | 15♎26'07 | 23♐11 | 9♏48 | 24♏44 | 15♊28 | 17♍48 | 22°R27 | 1♍ 2 | 11°R45 | 12°R 4 | 19°R43 | 18♒21 | 3♊31 | 9°R31 | M 1 |
| T 2 | 1 13 13 | 16°25'46 | 7♑24 | 10°31 | 25°55 | 15°38 | 18° 0 | 22♒25 | 1° 5 | 11♈44 | 12♉ 3 | 19♒40 | 18°18 | 3°38 | 9♒30 | T 2 |
| W 3 | 1 17 10 | 17°25'27 | 21°17 | 11°10 | 27° 7 | 15°47 | 18°12 | 22°23 | 1° 8 | 11°42 | 12° 2 | 19°D40 | 18°15 | 3°44 | 9°29 | W 3 |
| T 4 | 1 21 6 | 18°25'09 | 4♒51 | 11°43 | 28°18 | 15°55 | 18°24 | 22°22 | 1°11 | 11°40 | 12° 1 | 19°41 | 18°11 | 3°51 | 9°29 | T 4 |
| F 5 | 1 25 3 | 19°24'54 | 18° 9 | 12°11 | 29°29 | 16° 2 | 18°36 | 22°20 | 1°14 | 11°39 | 12° 0 | 19°R41 | 18° 8 | 3°58 | 9°28 | F 5 |
| S 6 | 1 28 59 | 20°24'40 | 1♓12 | 12°33 | 0♐40 | 16° 8 | 18°48 | 22°19 | 1°17 | 11°37 | 11°59 | 19°41 | 18° 5 | 4° 4 | 9°28 | S 6 |
| S 7 | 1 32 56 | 21°24'27 | 14° 2 | 12°49 | 1°51 | 16°14 | 19° 0 | 22°18 | 1°19 | 11°35 | 11°58 | 19°38 | 18° 2 | 4°11 | 9°28 | S 7 |
| M 8 | 1 36 52 | 22°24'17 | 26°40 | 12°58 | 3° 2 | 16°19 | 19°12 | 22°17 | 1°22 | 11°34 | 11°57 | 19°33 | 17°59 | 4°18 | 9°27 | M 8 |
| T 9 | 1 40 49 | 23°24'08 | 9♈ 9 | 12°R58 | 4°13 | 16°23 | 19°24 | 22°16 | 1°25 | 11°32 | 11°56 | 19°24 | 17°55 | 4°25 | 9°27 | T 9 |
| W10 | 1 44 45 | 24°24'01 | 21°28 | 12°51 | 5°24 | 16°26 | 19°36 | 22°15 | 1°27 | 11°30 | 11°55 | 19°14 | 17°52 | 4°31 | 9°27 | W10 |
| T 11 | 1 48 42 | 25°23'56 | 3♉40 | 12°35 | 6°35 | 16°29 | 19°47 | 22°14 | 1°30 | 11°29 | 11°54 | 19° 1 | 17°49 | 4°38 | 9°27 | T 11 |
| F 12 | 1 52 38 | 26°23'54 | 15°43 | 12° 9 | 7°46 | 16°30 | 19°59 | 22°13 | 1°32 | 11°27 | 11°53 | 18°48 | 17°46 | 4°45 | 9°D27 | F 12 |
| S 13 | 1 56 35 | 27°23'53 | 27°40 | 11°35 | 8°57 | 16°R31 | 20°11 | 22°12 | 1°35 | 11°26 | 11°52 | 18°36 | 17°43 | 4°52 | 9°27 | S 13 |
| S 14 | 2 0 32 | 28°23'54 | 9♊32 | 10°51 | 10° 7 | 16°31 | 20°22 | 22°12 | 1°37 | 11°24 | 11°51 | 18°25 | 17°40 | 4°58 | 9°27 | S 14 |
| M15 | 2 4 28 | 29°23'58 | 21°22 | 9°58 | 11°18 | 16°30 | 20°34 | 22°11 | 1°40 | 11°22 | 11°50 | 18°16 | 17°36 | 5° 5 | 9°27 | M15 |
| T 16 | 2 8 25 | 0♏24'03 | 3♋13 | 8°56 | 12°28 | 16°28 | 20°45 | 22°11 | 1°42 | 11°21 | 11°49 | 18°10 | 17°33 | 5°12 | 9°28 | T 16 |
| W17 | 2 12 21 | 1°24'11 | 15°10 | 7°48 | 13°39 | 16°26 | 20°56 | 22°11 | 1°45 | 11°19 | 11°47 | 18° 7 | 17°30 | 5°18 | 9°28 | W17 |
| T 18 | 2 16 18 | 2°24'21 | 27°16 | 6°34 | 14°49 | 16°22 | 21° 8 | 22°10 | 1°47 | 11°18 | 11°46 | 18° 6 | 17°27 | 5°25 | 9°28 | T 18 |
| F 19 | 2 20 14 | 3°24'32 | 9♌37 | 5°16 | 15°59 | 16°18 | 21°19 | 22°D10 | 1°49 | 11°16 | 11°45 | 18°D 6 | 17°24 | 5°32 | 9°29 | F 19 |
| S 20 | 2 24 11 | 4°24'46 | 22°19 | 3°57 | 17° 9 | 16°12 | 21°30 | 22°11 | 1°51 | 11°15 | 11°44 | 18°R 6 | 17°20 | 5°39 | 9°29 | S 20 |
| S 21 | 2 28 8 | 5°25'02 | 5♍26 | 2°39 | 18°20 | 16° 6 | 21°41 | 22°11 | 1°54 | 11°13 | 11°43 | 18° 5 | 17°17 | 5°45 | 9°30 | S 21 |
| M22 | 2 32 4 | 6°25'20 | 19° 2 | 1°25 | 19°30 | 15°59 | 21°52 | 22°11 | 1°56 | 11°12 | 11°42 | 18° 2 | 17°14 | 5°52 | 9°31 | M22 |
| T 23 | 2 36 1 | 7°25'40 | 3♎ 7 | 0°18 | 20°40 | 15°51 | 22° 3 | 22°11 | 1°58 | 11°10 | 11°41 | 17°56 | 17°11 | 5°59 | 9°31 | T 23 |
| W24 | 2 39 57 | 8°26'02 | 17°41 | 29♎18 | 21°49 | 15°42 | 22°14 | 22°12 | 2° 0 | 11° 9 | 11°40 | 17°47 | 17° 8 | 6° 5 | 9°32 | W24 |
| T 25 | 2 43 54 | 9°26'26 | 2♏37 | 28°28 | 22°59 | 15°32 | 22°25 | 22°12 | 2° 2 | 11° 7 | 11°38 | 17°36 | 17° 5 | 6°12 | 9°33 | T 25 |
| F 26 | 2 47 50 | 10°26'51 | 17°47 | 27°48 | 24° 9 | 15°22 | 22°35 | 22°13 | 2° 4 | 11° 6 | 11°37 | 17°25 | 17° 1 | 6°19 | 9°34 | F 26 |
| S 27 | 2 51 47 | 11°27'18 | 3♐ 1 | 27°21 | 25°18 | 15°10 | 22°46 | 22°14 | 2° 6 | 11° 5 | 11°36 | 17°13 | 16°58 | 6°26 | 9°35 | S 27 |
| S 28 | 2 55 43 | 12°27'47 | 18° 7 | 27° 5 | 26°28 | 14°58 | 22°56 | 22°15 | 2° 7 | 11° 3 | 11°35 | 17° 4 | 16°55 | 6°32 | 9°36 | S 28 |
| M29 | 2 59 40 | 13°28'17 | 2♑57 | 27°D 0 | 27°37 | 14°44 | 23° 7 | 22°16 | 2° 9 | 11° 2 | 11°34 | 16°57 | 16°52 | 6°39 | 9°37 | M29 |
| T 30 | 3 3 37 | 14°28'49 | 17°23 | 27° 7 | 28°46 | 14°30 | 23°17 | 22°17 | 2°11 | 11° 0 | 11°33 | 16°53 | 16°49 | 6°46 | 9°38 | T 30 |
| W31 | 3 7 33 | 15♏29'22 | 1♒24 | 27♎24 | 29♐56 | 14♊16 | 23♍27 | 22♒18 | 2♍13 | 10♈59 | 11♉32 | 16♒51 | 16♒46 | 6♊52 | 9♒39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s 6 | 27s36 | 4s15 | 17s45 | 3s 6 | 20s29 | 1s30 | 22n23 | 0s21 | 5n50 | 1n 5 | 15s41 | 1s42 | 11n49 | 0n44 | 3n 4 | 1s44 | 0n54 | 15s19 | 14s57 | 15s23 | 25n48 | 11s26 | 6n44 |
| T 2 | 6 29 | 26 45 | 3 26 | 18 0 | 3 8 | 20 49 | 1 33 | 22 26 | 0 19 | 5 45 | 1 5 | 15 41 | 1 41 | 11 48 | 0 44 | 3 3 | 1 44 | 0 54 | 15 19 | 14 58 | 15 24 | 25 49 | 11 26 | 6 44 |
| W 3 | 6 52 | 24 14 | 2 26 | 18 14 | 3 9 | 21 9 | 1 36 | 22 29 | 0 16 | 5 40 | 1 5 | 15 42 | 1 41 | 11 47 | 0 44 | 3 3 | 1 44 | 0 54 | 15 19 | 14 58 | 15 25 | 25 50 | 11 27 | 6 43 |
| T 4 | 7 15 | 20 23 | 1 18 | 18 25 | 3 10 | 21 28 | 1 40 | 22 32 | 0 14 | 5 36 | 1 5 | 15 42 | 1 41 | 11 46 | 0 44 | 3 2 | 1 44 | 0 53 | 15 19 | 14 58 | 15 26 | 25 51 | 11 28 | 6 43 |
| F 5 | 7 37 | 15 34 | 0 8 | 18 33 | 3 9 | 21 47 | 1 43 | 22 35 | 0 12 | 5 31 | 1 5 | 15 42 | 1 41 | 11 45 | 0 44 | 3 1 | 1 44 | 0 53 | 15 19 | 14 58 | 15 27 | 25 52 | 11 28 | 6 43 |
| S 6 | 8 0 | 10 8 | 1n 1 | 18 39 | 3 8 | 22 5 | 1 46 | 22 38 | 0 10 | 5 27 | 1 5 | 15 43 | 1 41 | 11 44 | 0 44 | 3 1 | 1 44 | 0 52 | 15 19 | 14 58 | 15 28 | 25 54 | 11 29 | 6 42 |
| S 7 | 8 23 | 4 22 | 2 6 | 18 41 | 3 6 | 22 22 | 1 48 | 22 41 | 0 7 | 5 22 | 1 5 | 15 43 | 1 41 | 11 43 | 0 44 | 3 0 | 1 44 | 0 52 | 15 19 | 14 59 | 15 29 | 25 55 | 11 29 | 6 42 |
| M 8 | 8 45 | 1n29 | 3 3 | 18 40 | 3 2 | 22 39 | 1 51 | 22 44 | 0 5 | 5 17 | 1 5 | 15 43 | 1 41 | 11 42 | 0 44 | 2 59 | 1 44 | 0 52 | 15 19 | 15 1 | 15 30 | 25 56 | 11 30 | 6 41 |
| T 9 | 9 7 | 7 11 | 3 51 | 18 36 | 2 57 | 22 56 | 1 54 | 22 47 | 0 3 | 5 13 | 1 6 | 15 44 | 1 41 | 11 41 | 0 44 | 2 59 | 1 44 | 0 51 | 15 19 | 15 3 | 15 31 | 25 57 | 11 30 | 6 41 |
| W10 | 9 29 | 12 32 | 4 27 | 18 27 | 2 50 | 23 12 | 1 57 | 22 49 | 0 0 | 5 8 | 1 6 | 15 44 | 1 41 | 11 41 | 0 44 | 2 58 | 1 44 | 0 51 | 15 20 | 15 6 | 15 32 | 25 58 | 11 31 | 6 40 |
| T 11 | 9 51 | 17 20 | 4 51 | 18 15 | 2 42 | 23 27 | 2 0 | 22 52 | 0n 2 | 5 4 | 1 6 | 15 44 | 1 41 | 11 40 | 0 44 | 2 57 | 1 44 | 0 51 | 15 20 | 15 10 | 15 33 | 25 59 | 11 31 | 6 40 |
| F 12 | 10 13 | 21 24 | 5 1 | 17 58 | 2 33 | 23 41 | 2 2 | 22 55 | 0 5 | 4 59 | 1 6 | 15 44 | 1 41 | 11 39 | 0 44 | 2 57 | 1 44 | 0 50 | 15 20 | 15 14 | 15 34 | 26 0 | 11 32 | 6 39 |
| S 13 | 10 35 | 24 32 | 4 58 | 17 36 | 2 21 | 23 55 | 2 5 | 22 57 | 0 7 | 4 55 | 1 6 | 15 44 | 1 40 | 11 38 | 0 44 | 2 56 | 1 44 | 0 50 | 15 20 | 15 18 | 15 35 | 26 1 | 11 32 | 6 39 |
| S 14 | 10 57 | 26 36 | 4 42 | 17 10 | 2 8 | 24 9 | 2 8 | 23 0 | 0 10 | 4 50 | 1 6 | 15 45 | 1 40 | 11 37 | 0 44 | 2 56 | 1 44 | 0 49 | 15 20 | 15 22 | 15 36 | 26 2 | 11 32 | 6 38 |
| M15 | 11 18 | 27 27 | 4 13 | 16 39 | 1 54 | 24 21 | 2 10 | 23 2 | 0 12 | 4 46 | 1 6 | 15 45 | 1 40 | 11 36 | 0 44 | 2 55 | 1 44 | 0 49 | 15 20 | 15 24 | 15 37 | 26 3 | 11 33 | 6 38 |
| T 16 | 11 39 | 27 3 | 3 34 | 16 3 | 1 37 | 24 33 | 2 12 | 23 5 | 0 15 | 4 42 | 1 6 | 15 45 | 1 40 | 11 35 | 0 44 | 2 54 | 1 44 | 0 49 | 15 20 | 15 26 | 15 38 | 26 4 | 11 33 | 6 37 |
| W17 | 12 0 | 25 23 | 2 45 | 15 24 | 1 19 | 24 45 | 2 15 | 23 7 | 0 17 | 4 37 | 1 7 | 15 45 | 1 40 | 11 35 | 0 44 | 2 54 | 1 44 | 0 48 | 15 20 | 15 27 | 15 39 | 26 5 | 11 34 | 6 37 |
| T 18 | 12 21 | 22 33 | 1 48 | 14 42 | 1 0 | 24 55 | 2 17 | 23 9 | 0 20 | 4 33 | 1 7 | 15 45 | 1 40 | 11 34 | 0 44 | 2 53 | 1 44 | 0 48 | 15 20 | 15 28 | 15 40 | 26 6 | 11 34 | 6 37 |
| F 19 | 12 42 | 18 37 | 0 45 | 13 57 | 0 40 | 25 5 | 2 19 | 23 12 | 0 23 | 4 29 | 1 7 | 15 44 | 1 40 | 11 33 | 0 44 | 2 53 | 1 44 | 0 48 | 15 20 | 15 28 | 15 40 | 26 7 | 11 34 | 6 36 |
| S 20 | 13 2 | 13 46 | 0s22 | 13 11 | 0 19 | 25 15 | 2 21 | 23 14 | 0 26 | 4 24 | 1 7 | 15 44 | 1 40 | 11 32 | 0 44 | 2 52 | 1 44 | 0 47 | 15 20 | 15 28 | 15 41 | 26 8 | 11 35 | 6 36 |
| S 21 | 13 22 | 8 9 | 1 30 | 12 25 | 0n 2 | 25 23 | 2 24 | 23 16 | 0 28 | 4 20 | 1 7 | 15 44 | 1 40 | 11 32 | 0 44 | 2 51 | 1 44 | 0 47 | 15 20 | 15 28 | 15 42 | 26 9 | 11 35 | 6 35 |
| M22 | 13 42 | 1 58 | 2 36 | 11 40 | 0 22 | 25 31 | 2 26 | 23 18 | 0 31 | 4 16 | 1 7 | 15 44 | 1 40 | 11 31 | 0 44 | 2 51 | 1 44 | 0 47 | 15 20 | 15 29 | 15 43 | 26 10 | 11 35 | 6 35 |
| T 23 | 14 2 | 4s31 | 3 34 | 10 58 | 0 41 | 25 39 | 2 27 | 23 20 | 0 34 | 4 12 | 1 8 | 15 44 | 1 39 | 11 30 | 0 44 | 2 50 | 1 44 | 0 46 | 15 20 | 15 31 | 15 44 | 26 10 | 11 35 | 6 34 |
| W24 | 14 22 | 10 58 | 4 20 | 10 20 | 1 0 | 25 45 | 2 29 | 23 22 | 0 37 | 4 8 | 1 8 | 15 44 | 1 39 | 11 29 | 0 44 | 2 50 | 1 44 | 0 46 | 15 20 | 15 33 | 15 45 | 26 11 | 11 36 | 6 34 |
| T 25 | 14 41 | 16 57 | 4 50 | 9 47 | 1 16 | 25 51 | 2 31 | 23 24 | 0 40 | 4 4 | 1 8 | 15 43 | 1 39 | 11 29 | 0 44 | 2 49 | 1 44 | 0 46 | 15 20 | 15 37 | 15 46 | 26 12 | 11 36 | 6 33 |
| F 26 | 15 0 | 21 59 | 5 0 | 9 19 | 1 31 | 25 56 | 2 33 | 23 25 | 0 43 | 4 0 | 1 8 | 15 43 | 1 39 | 11 28 | 0 44 | 2 49 | 1 44 | 0 45 | 15 20 | 15 40 | 15 47 | 26 13 | 11 36 | 6 33 |
| S 27 | 15 19 | 25 33 | 4 49 | 8 57 | 1 44 | 26 0 | 2 34 | 23 27 | 0 46 | 3 56 | 1 8 | 15 43 | 1 39 | 11 27 | 0 44 | 2 48 | 1 44 | 0 45 | 15 20 | 15 44 | 15 48 | 26 14 | 11 36 | 6 32 |
| S 28 | 15 38 | 27 16 | 4 18 | 8 41 | 1 55 | 26 4 | 2 36 | 23 28 | 0 48 | 3 52 | 1 8 | 15 42 | 1 39 | 11 27 | 0 45 | 2 48 | 1 44 | 0 45 | 15 20 | 15 47 | 15 49 | 26 15 | 11 36 | 6 32 |
| M29 | 15 56 | 26 59 | 3 29 | 8 31 | 2 4 | 26 7 | 2 37 | 23 30 | 0 51 | 3 48 | 1 9 | 15 42 | 1 39 | 11 26 | 0 45 | 2 47 | 1 44 | 0 44 | 15 20 | 15 49 | 15 50 | 26 16 | 11 37 | 6 32 |
| T 30 | 16 14 | 24 51 | 2 29 | 8 26 | 2 11 | 26 9 | 2 38 | 23 31 | 0 54 | 3 44 | 1 9 | 15 41 | 1 39 | 11 26 | 0 45 | 2 47 | 1 44 | 0 44 | 15 20 | 15 50 | 15 51 | 26 17 | 11 37 | 6 31 |
| W31 | 16s32 | 21s14 | 1s21 | 8s27 | 2n17 | 26s11 | 2s39 | 23n32 | 0n57 | 3n40 | 1n 9 | 15s41 | 1s39 | 11n25 | 0n45 | 2n46 | 1s44 | 0n44 | 15s20 | 15s50 | 15s52 | 26n18 | 11s37 | 6n31 |

Julian Day Number = 2223549.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°01'57, Lahiri = 15°08'58 Julian Calendar 1 Oct. 1375 == Greg. Calendar 9 Oct. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## NOVEMBER 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 11 30 | 16♏29'56 | 15♒ 0 | 27♎51 | 1♉ 5 | 14°R 0 | 23♍37 | 22♒20 | 2♍14 | 10°R58 | 11°R31 | 16°R51 | 16♒42 | 6♊59 | 9♒41 | T 1 |
| F 2 | 3 15 26 | 17°30'31 | 28°13 | 28°26 | 2°13 | 13♊44 | 23°47 | 22°21 | 2°16 | 10♈57 | 11♉29 | 16♒50 | 16°39 | 7° 6 | 9°42 | F 2 |
| S 3 | 3 19 23 | 18°31'08 | 11♓ 6 | 29° 9 | 3°22 | 13°27 | 23°57 | 22°22 | 2°17 | 10°55 | 11°28 | 16°49 | 16°36 | 7°13 | 9°43 | S 3 |
| S 4 | 3 23 19 | 19°31'45 | 23°43 | 29°59 | 4°31 | 13° 9 | 24° 7 | 22°24 | 2°19 | 10°54 | 11°27 | 16°46 | 16°33 | 7°19 | 9°45 | S 4 |
| M 5 | 3 27 16 | 20°32'24 | 6♈ 8 | 0♏55 | 5°39 | 12°51 | 24°17 | 22°26 | 2°20 | 10°53 | 11°26 | 16°39 | 16°30 | 7°26 | 9°46 | M 5 |
| T 6 | 3 31 12 | 21°33'04 | 18°22 | 1°56 | 6°48 | 12°32 | 24°26 | 22°28 | 2°22 | 10°52 | 11°25 | 16°30 | 16°26 | 7°33 | 9°48 | T 6 |
| W 7 | 3 35 9 | 22°33'45 | 0♉30 | 3° 2 | 7°56 | 12°12 | 24°36 | 22°30 | 2°23 | 10°51 | 11°24 | 16°18 | 16°23 | 7°39 | 9°50 | W 7 |
| T 8 | 3 39 5 | 23°34'28 | 12°31 | 4°12 | 9° 4 | 11°52 | 24°45 | 22°32 | 2°24 | 10°49 | 11°23 | 16° 3 | 16°20 | 7°46 | 9°51 | T 8 |
| F 9 | 3 43 2 | 24°35'12 | 24°28 | 5°25 | 10°12 | 11°32 | 24°55 | 22°34 | 2°25 | 10°48 | 11°22 | 15°49 | 16°17 | 7°53 | 9°53 | F 9 |
| S 10 | 3 46 59 | 25°35'57 | 6♊21 | 6°42 | 11°19 | 11°11 | 25° 4 | 22°36 | 2°27 | 10°47 | 11°21 | 15°34 | 16°14 | 8° 0 | 9°55 | S 10 |
| S 11 | 3 50 55 | 26°36'44 | 18°13 | 8° 1 | 12°27 | 10°49 | 25°13 | 22°38 | 2°28 | 10°46 | 11°20 | 15°21 | 16°11 | 8° 6 | 9°57 | S 11 |
| M12 | 3 54 52 | 27°37'32 | 0♋ 3 | 9°21 | 13°34 | 10°27 | 25°22 | 22°41 | 2°29 | 10°45 | 11°18 | 15°11 | 16° 7 | 8°13 | 9°59 | M12 |
| T 13 | 3 58 48 | 28°38'21 | 11°56 | 10°44 | 14°41 | 10° 5 | 25°31 | 22°43 | 2°30 | 10°44 | 11°17 | 15° 3 | 16° 4 | 8°20 | 10° 1 | T 13 |
| W14 | 4 2 45 | 29°39'12 | 23°53 | 12° 9 | 15°48 | 9°42 | 25°40 | 22°46 | 2°31 | 10°43 | 11°16 | 14°59 | 16° 1 | 8°26 | 10° 3 | W14 |
| T 15 | 4 6 41 | 0♐40'04 | 5♌59 | 13°34 | 16°55 | 9°20 | 25°48 | 22°49 | 2°31 | 10°42 | 11°15 | 14°57 | 15°58 | 8°33 | 10° 5 | T 15 |
| F 16 | 4 10 38 | 1°40'58 | 18°19 | 15° 1 | 18° 1 | 8°56 | 25°57 | 22°52 | 2°32 | 10°41 | 11°14 | 14°D57 | 15°55 | 8°40 | 10° 7 | F 16 |
| S 17 | 4 14 35 | 2°41'53 | 0♍56 | 16°29 | 19° 8 | 8°33 | 26° 5 | 22°55 | 2°33 | 10°40 | 11°13 | 14°R57 | 15°52 | 8°47 | 10° 9 | S 17 |
| S 18 | 4 18 31 | 3°42'49 | 13°55 | 17°57 | 20°14 | 8°10 | 26°13 | 22°58 | 2°34 | 10°39 | 11°12 | 14°57 | 15°48 | 8°53 | 10°12 | S 18 |
| M19 | 4 22 28 | 4°43'46 | 27°22 | 19°26 | 21°20 | 7°47 | 26°21 | 23° 1 | 2°34 | 10°39 | 11°11 | 14°55 | 15°45 | 9° 0 | 10°14 | M19 |
| T 20 | 4 26 24 | 5°44'45 | 11♎18 | 20°56 | 22°26 | 7°23 | 26°29 | 23° 4 | 2°35 | 10°38 | 11°10 | 14°50 | 15°42 | 9° 7 | 10°16 | T 20 |
| W21 | 4 30 21 | 6°45'45 | 25°45 | 22°26 | 23°31 | 7° 0 | 26°37 | 23° 7 | 2°36 | 10°37 | 11° 9 | 14°43 | 15°39 | 9°13 | 10°19 | W21 |
| T 22 | 4 34 17 | 7°46'46 | 10♏37 | 23°57 | 24°36 | 6°37 | 26°45 | 23°11 | 2°36 | 10°36 | 11° 8 | 14°34 | 15°36 | 9°20 | 10°21 | T 22 |
| F 23 | 4 38 14 | 8°47'48 | 25°49 | 25°28 | 25°41 | 6°14 | 26°53 | 23°14 | 2°37 | 10°36 | 11° 7 | 14°23 | 15°32 | 9°27 | 10°24 | F 23 |
| S 24 | 4 42 10 | 9°48'52 | 11♐10 | 26°59 | 26°46 | 5°51 | 27° 0 | 23°18 | 2°37 | 10°35 | 11° 6 | 14°13 | 15°29 | 9°34 | 10°27 | S 24 |
| S 25 | 4 46 7 | 10°49'56 | 26°28 | 28°30 | 27°51 | 5°28 | 27° 8 | 23°21 | 2°37 | 10°34 | 11° 5 | 14° 4 | 15°26 | 9°40 | 10°29 | S 25 |
| M26 | 4 50 4 | 11°51'01 | 11♑33 | 0♐ 2 | 28°55 | 5° 6 | 27°15 | 23°25 | 2°38 | 10°34 | 11° 4 | 13°58 | 15°23 | 9°47 | 10°32 | M26 |
| T 27 | 4 54 0 | 12°52'06 | 26°15 | 1°34 | 29°59 | 4°44 | 27°22 | 23°29 | 2°38 | 10°33 | 11° 3 | 13°54 | 15°20 | 9°54 | 10°35 | T 27 |
| W28 | 4 57 57 | 13°53'12 | 10♒30 | 3° 6 | 1♒ 2 | 4°23 | 27°29 | 23°33 | 2°38 | 10°32 | 11° 2 | 13°D53 | 15°17 | 10° 0 | 10°38 | W28 |
| T 29 | 5 1 53 | 14°54'18 | 24°16 | 4°39 | 2° 6 | 4° 2 | 27°36 | 23°37 | 2°38 | 10°32 | 11° 1 | 13°53 | 15°13 | 10° 7 | 10°40 | T 29 |
| F 30 | 5 5 50 | 15♐55'24 | 7♓35 | 6♐11 | 3♒ 9 | 3♊41 | 27♍42 | 23♒41 | 2°R38 | 10♈31 | 11♉ 1 | 13♒54 | 15♒10 | 10♊14 | 10♒43 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s50 | 16s33 | 0s10 | 8s33 | 2n21 | 26s12 | 2s41 | 23n33 | 1n 0 | 3n36 | 1n 9 | 15s40 | 1s38 | 11n25 | 0n45 | 2n46 | 1s44 | 0n44 | 15s20 | 15s51 | 15s53 | 26n19 | 11s37 | 6n30 |
| F 2 | 17 7 | 11 12 | 1n 0 | 8 43 | 2 23 | 26 12 | 2 42 | 23 34 | 1 3 | 3 32 | 1 9 | 15 40 | 1 38 | 11 24 | 0 45 | 2 45 | 1 44 | 0 43 | 15 20 | 15 51 | 15 54 | 26 19 | 11 37 | 6 30 |
| S 3 | 17 24 | 5 31 | 2 4 | 8 57 | 2 24 | 26 11 | 2 42 | 23 35 | 1 6 | 3 28 | 1 9 | 15 39 | 1 38 | 11 24 | 0 45 | 2 45 | 1 44 | 0 43 | 15 20 | 15 51 | 15 55 | 26 20 | 11 37 | 6 29 |
| S 4 | 17 40 | 0n16 | 3 1 | 9 15 | 2 24 | 26 10 | 2 43 | 23 36 | 1 9 | 3 25 | 1 10 | 15 38 | 1 38 | 11 23 | 0 45 | 2 44 | 1 44 | 0 43 | 15 20 | 15 52 | 15 56 | 26 21 | 11 37 | 6 29 |
| M 5 | 17 57 | 5 56 | 3 49 | 9 36 | 2 23 | 26 8 | 2 44 | 23 37 | 1 12 | 3 21 | 1 10 | 15 38 | 1 38 | 11 23 | 0 45 | 2 44 | 1 44 | 0 43 | 15 19 | 15 54 | 15 57 | 26 22 | 11 37 | 6 28 |
| T 6 | 18 13 | 11 18 | 4 25 | 9 59 | 2 21 | 26 5 | 2 44 | 23 37 | 1 15 | 3 17 | 1 10 | 15 37 | 1 38 | 11 22 | 0 45 | 2 43 | 1 44 | 0 42 | 15 19 | 15 57 | 15 58 | 26 23 | 11 37 | 6 28 |
| W 7 | 18 29 | 16 11 | 4 48 | 10 24 | 2 18 | 26 1 | 2 45 | 23 38 | 1 18 | 3 14 | 1 10 | 15 36 | 1 38 | 11 22 | 0 45 | 2 43 | 1 44 | 0 42 | 15 19 | 16 0 | 15 59 | 26 24 | 11 37 | 6 27 |
| T 8 | 18 44 | 20 23 | 4 59 | 10 51 | 2 15 | 25 57 | 2 45 | 23 38 | 1 21 | 3 10 | 1 10 | 15 35 | 1 38 | 11 21 | 0 45 | 2 43 | 1 44 | 0 42 | 15 19 | 16 5 | 16 0 | 26 24 | 11 37 | 6 27 |
| F 9 | 18 59 | 23 44 | 4 56 | 11 19 | 2 11 | 25 52 | 2 45 | 23 38 | 1 24 | 3 7 | 1 11 | 15 35 | 1 38 | 11 21 | 0 45 | 2 42 | 1 44 | 0 42 | 15 19 | 16 9 | 16 1 | 26 25 | 11 37 | 6 27 |
| S 10 | 19 14 | 26 3 | 4 40 | 11 49 | 2 6 | 25 47 | 2 45 | 23 38 | 1 27 | 3 3 | 1 11 | 15 34 | 1 38 | 11 20 | 0 45 | 2 42 | 1 44 | 0 41 | 15 19 | 16 13 | 16 2 | 26 26 | 11 37 | 6 26 |
| S 11 | 19 28 | 27 11 | 4 12 | 12 19 | 2 1 | 25 41 | 2 45 | 23 38 | 1 30 | 3 0 | 1 11 | 15 33 | 1 37 | 11 20 | 0 45 | 2 41 | 1 44 | 0 41 | 15 19 | 16 17 | 16 3 | 26 27 | 11 37 | 6 26 |
| M12 | 19 42 | 27 5 | 3 34 | 12 51 | 1 55 | 25 34 | 2 45 | 23 37 | 1 33 | 2 56 | 1 11 | 15 32 | 1 37 | 11 20 | 0 45 | 2 41 | 1 43 | 0 41 | 15 19 | 16 20 | 16 4 | 26 28 | 11 37 | 6 25 |
| T 13 | 19 56 | 25 44 | 2 45 | 13 22 | 1 49 | 25 26 | 2 45 | 23 37 | 1 35 | 2 53 | 1 11 | 15 31 | 1 37 | 11 19 | 0 45 | 2 41 | 1 43 | 0 41 | 15 19 | 16 23 | 16 4 | 26 28 | 11 37 | 6 25 |
| W14 | 20 9 | 23 12 | 1 49 | 13 54 | 1 43 | 25 18 | 2 44 | 23 36 | 1 38 | 2 50 | 1 12 | 15 30 | 1 37 | 11 19 | 0 45 | 2 40 | 1 43 | 0 41 | 15 19 | 16 24 | 16 5 | 26 29 | 11 37 | 6 25 |
| T 15 | 20 22 | 19 36 | 0 47 | 14 26 | 1 36 | 25 9 | 2 43 | 23 35 | 1 41 | 2 46 | 1 12 | 15 29 | 1 37 | 11 19 | 0 45 | 2 40 | 1 43 | 0 40 | 15 18 | 16 24 | 16 6 | 26 30 | 11 37 | 6 24 |
| F 16 | 20 34 | 15 7 | 0s18 | 14 58 | 1 30 | 24 59 | 2 43 | 23 34 | 1 43 | 2 43 | 1 12 | 15 28 | 1 37 | 11 19 | 0 45 | 2 40 | 1 43 | 0 40 | 15 18 | 16 24 | 16 7 | 26 31 | 11 36 | 6 24 |
| S 17 | 20 46 | 9 53 | 1 24 | 15 30 | 1 23 | 24 49 | 2 42 | 23 33 | 1 46 | 2 40 | 1 12 | 15 27 | 1 37 | 11 18 | 0 45 | 2 39 | 1 43 | 0 40 | 15 18 | 16 24 | 16 8 | 26 31 | 11 36 | 6 23 |
| S 18 | 20 58 | 4 5 | 2 27 | 16 1 | 1 16 | 24 38 | 2 41 | 23 32 | 1 49 | 2 37 | 1 12 | 15 26 | 1 37 | 11 18 | 0 45 | 2 39 | 1 43 | 0 40 | 15 18 | 16 25 | 16 9 | 26 32 | 11 36 | 6 23 |
| M19 | 21 9 | 2s 5 | 3 25 | 16 33 | 1 9 | 24 27 | 2 40 | 23 31 | 1 51 | 2 34 | 1 13 | 15 25 | 1 37 | 11 18 | 0 45 | 2 39 | 1 43 | 0 40 | 15 18 | 16 25 | 16 10 | 26 33 | 11 36 | 6 22 |
| T 20 | 21 20 | 8 22 | 4 13 | 17 3 | 1 2 | 24 15 | 2 38 | 23 29 | 1 54 | 2 31 | 1 13 | 15 24 | 1 37 | 11 18 | 0 46 | 2 38 | 1 43 | 0 40 | 15 18 | 16 26 | 16 11 | 26 34 | 11 35 | 6 22 |
| W21 | 21 31 | 14 25 | 4 46 | 17 34 | 0 55 | 24 2 | 2 37 | 23 28 | 1 56 | 2 28 | 1 13 | 15 23 | 1 36 | 11 18 | 0 46 | 2 38 | 1 43 | 0 40 | 15 18 | 16 29 | 16 12 | 26 34 | 11 35 | 6 22 |
| T 22 | 21 41 | 19 50 | 5 2 | 18 3 | 0 47 | 23 49 | 2 35 | 23 26 | 1 58 | 2 25 | 1 13 | 15 21 | 1 36 | 11 17 | 0 46 | 2 38 | 1 43 | 0 39 | 15 17 | 16 31 | 16 13 | 26 35 | 11 35 | 6 21 |
| F 23 | 21 51 | 24 5 | 4 57 | 18 33 | 0 40 | 23 35 | 2 33 | 23 24 | 2 1 | 2 22 | 1 14 | 15 20 | 1 36 | 11 17 | 0 46 | 2 38 | 1 43 | 0 39 | 15 17 | 16 34 | 16 14 | 26 36 | 11 35 | 6 21 |
| S 24 | 22 0 | 26 39 | 4 30 | 19 1 | 0 33 | 23 21 | 2 31 | 23 22 | 2 3 | 2 19 | 1 14 | 15 19 | 1 36 | 11 17 | 0 46 | 2 38 | 1 43 | 0 39 | 15 17 | 16 37 | 16 15 | 26 36 | 11 34 | 6 21 |
| S 25 | 22 9 | 27 13 | 3 44 | 19 29 | 0 26 | 23 6 | 2 29 | 23 20 | 2 5 | 2 17 | 1 14 | 15 17 | 1 36 | 11 17 | 0 46 | 2 37 | 1 43 | 0 39 | 15 17 | 16 40 | 16 16 | 26 37 | 11 34 | 6 20 |
| M26 | 22 17 | 25 44 | 2 43 | 19 56 | 0 19 | 22 51 | 2 27 | 23 18 | 2 7 | 2 14 | 1 14 | 15 16 | 1 36 | 11 17 | 0 46 | 2 37 | 1 43 | 0 39 | 15 17 | 16 42 | 16 17 | 26 38 | 11 34 | 6 20 |
| T 27 | 22 25 | 22 29 | 1 33 | 20 22 | 0 11 | 22 35 | 2 25 | 23 16 | 2 9 | 2 11 | 1 15 | 15 15 | 1 36 | 11 17 | 0 46 | 2 37 | 1 43 | 0 39 | 15 16 | 16 43 | 16 18 | 26 38 | 11 33 | 6 19 |
| W28 | 22 33 | 17 57 | 0 18 | 20 47 | 0 4 | 22 18 | 2 22 | 23 14 | 2 11 | 2 9 | 1 15 | 15 13 | 1 36 | 11 17 | 0 46 | 2 37 | 1 43 | 0 39 | 15 16 | 16 43 | 16 19 | 26 39 | 11 33 | 6 19 |
| T 29 | 22 40 | 12 37 | 0n55 | 21 11 | 0s 3 | 22 1 | 2 19 | 23 12 | 2 13 | 2 6 | 1 15 | 15 12 | 1 36 | 11 17 | 0 46 | 2 37 | 1 43 | 0 39 | 15 16 | 16 43 | 16 20 | 26 40 | 11 32 | 6 19 |
| F 30 | 22s47 | 6s51 | 2n 3 | 21s34 | 0s 9 | 21s44 | 2s17 | 23n10 | 2n14 | 2n 4 | 1n15 | 15s11 | 1s36 | 11n17 | 0n46 | 2n36 | 1s43 | 0n39 | 15s16 | 16s43 | 16s21 | 26n40 | 11s32 | 6n18 |

Julian Day Number = 2223580.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'20, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'02, Lahiri = 15°09'02 Julian Calendar 1 Nov. 1375 == Greg. Calendar 9 Nov. 1375


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# ASTRODIENST EPHEMERIS for the year 1375
# geocentric

## DECEMBER 1375 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 9 46 | 16♐56'31 | 20♓30 | 7♐44 | 4♒11 | 3°R21 | 27♍49 | 23♒45 | 2°R38 | 10°R31 | 11°R 0 | 13°R54 | 15♒ 7 | 10♊21 | 10♒46 | S 1 |
| S 2 | 5 13 43 | 17°57'38 | 3♈ 5 | 9°17 | 5°14 | 3♊ 1 | 27°55 | 23°49 | 2♍38 | 10♈31 | 10♉59 | 13♒53 | 15° 4 | 10°27 | 10°49 | S 2 |
| M 3 | 5 17 39 | 18°58'45 | 15°24 | 10°50 | 6°15 | 2°42 | 28° 1 | 23°54 | 2°38 | 10°30 | 10°58 | 13°49 | 15° 1 | 10°34 | 10°52 | M 3 |
| T 4 | 5 21 36 | 19°59'53 | 27°32 | 12°23 | 7°17 | 2°24 | 28° 7 | 23°58 | 2°38 | 10°30 | 10°57 | 13°43 | 14°58 | 10°41 | 10°56 | T 4 |
| W 5 | 5 25 33 | 21° 1'01 | 9♉32 | 13°56 | 8°18 | 2° 6 | 28°13 | 24° 3 | 2°37 | 10°29 | 10°56 | 13°35 | 14°54 | 10°47 | 10°59 | W 5 |
| T 6 | 5 29 29 | 22° 2'09 | 21°27 | 15°30 | 9°19 | 1°49 | 28°19 | 24° 7 | 2°37 | 10°29 | 10°55 | 13°25 | 14°51 | 10°54 | 11° 2 | T 6 |
| F 7 | 5 33 26 | 23° 3'17 | 3♊19 | 17° 3 | 10°19 | 1°33 | 28°24 | 24°12 | 2°37 | 10°29 | 10°55 | 13°15 | 14°48 | 11° 1 | 11° 5 | F 7 |
| S 8 | 5 37 22 | 24° 4'26 | 15°11 | 18°37 | 11°19 | 1°18 | 28°30 | 24°17 | 2°36 | 10°29 | 10°54 | 13° 5 | 14°45 | 11° 7 | 11° 8 | S 8 |
| S 9 | 5 41 19 | 25° 5'35 | 27° 3 | 20°12 | 12°18 | 1° 3 | 28°35 | 24°22 | 2°36 | 10°29 | 10°53 | 12°56 | 14°42 | 11°14 | 11°12 | S 9 |
| M10 | 5 45 15 | 26° 6'44 | 8♋58 | 21°46 | 13°17 | 0°49 | 28°40 | 24°27 | 2°35 | 10°28 | 10°52 | 12°48 | 14°38 | 11°21 | 11°15 | M10 |
| T 11 | 5 49 12 | 27° 7'54 | 20°57 | 23°21 | 14°16 | 0°35 | 28°45 | 24°32 | 2°35 | 10°28 | 10°52 | 12°44 | 14°35 | 11°28 | 11°18 | T 11 |
| W12 | 5 53 9 | 28° 9'04 | 3♌ 2 | 24°56 | 15°13 | 0°23 | 28°50 | 24°37 | 2°34 | 10°28 | 10°51 | 12°41 | 14°32 | 11°34 | 11°22 | W12 |
| T 13 | 5 57 5 | 29°10'14 | 15°16 | 26°31 | 16°11 | 0°11 | 28°54 | 24°42 | 2°33 | 10°28 | 10°50 | 12°D41 | 14°29 | 11°41 | 11°25 | T 13 |
| F 14 | 6 1 2 | 0♎11'24 | 27°41 | 28° 7 | 17° 8 | 0° 0 | 28°59 | 24°47 | 2°33 | 10°D28 | 10°49 | 12°41 | 14°26 | 11°48 | 11°29 | F 14 |
| S 15 | 6 4 58 | 1°12'35 | 10♍21 | 29°42 | 18° 4 | 29♉50 | 29° 3 | 24°52 | 2°32 | 10°28 | 10°49 | 12°43 | 14°23 | 11°54 | 11°32 | S 15 |
| S 16 | 6 8 55 | 2°13'46 | 23°19 | 1♎19 | 19° 0 | 29°41 | 29° 7 | 24°57 | 2°31 | 10°28 | 10°48 | 12°44 | 14°19 | 12° 1 | 11°36 | S 16 |
| M17 | 6 12 51 | 3°14'57 | 6♏40 | 2°55 | 19°55 | 29°32 | 29°11 | 25° 3 | 2°30 | 10°28 | 10°47 | 12°R45 | 14°16 | 12° 8 | 11°40 | M17 |
| T 18 | 6 16 48 | 4°16'08 | 20°25 | 4°32 | 20°49 | 29°24 | 29°15 | 25° 8 | 2°29 | 10°28 | 10°47 | 12°43 | 14°13 | 12°15 | 11°43 | T 18 |
| W19 | 6 20 44 | 5°17'20 | 4♏35 | 6° 9 | 21°43 | 29°18 | 29°18 | 25°14 | 2°28 | 10°29 | 10°46 | 12°40 | 14°10 | 12°21 | 11°47 | W19 |
| T 20 | 6 24 41 | 6°18'32 | 19°10 | 7°47 | 22°36 | 29°11 | 29°22 | 25°19 | 2°27 | 10°29 | 10°46 | 12°36 | 14° 7 | 12°28 | 11°51 | T 20 |
| F 21 | 6 28 38 | 7°19'44 | 4♐ 5 | 9°25 | 23°28 | 29° 6 | 29°25 | 25°25 | 2°26 | 10°29 | 10°45 | 12°31 | 14° 4 | 12°35 | 11°54 | F 21 |
| S 22 | 6 32 34 | 8°20'56 | 19°12 | 11° 4 | 24°20 | 29° 2 | 29°28 | 25°31 | 2°25 | 10°29 | 10°44 | 12°25 | 14° 0 | 12°41 | 11°58 | S 22 |
| S 23 | 6 36 31 | 9°22'08 | 4♑22 | 12°43 | 25°11 | 28°58 | 29°31 | 25°37 | 2°24 | 10°30 | 10°44 | 12°21 | 13°57 | 12°48 | 12° 2 | S 23 |
| M24 | 6 40 27 | 10°23'20 | 19°26 | 14°22 | 26° 1 | 28°55 | 29°33 | 25°42 | 2°22 | 10°30 | 10°43 | 12°17 | 13°54 | 12°55 | 12° 6 | M24 |
| T 25 | 6 44 24 | 11°24'32 | 4♒12 | 16° 2 | 26°50 | 28°53 | 29°36 | 25°48 | 2°21 | 10°30 | 10°43 | 12°16 | 13°51 | 13° 2 | 12°10 | T 25 |
| W26 | 6 48 20 | 12°25'42 | 18°36 | 17°42 | 27°39 | 28°52 | 29°38 | 25°54 | 2°20 | 10°31 | 10°43 | 12°D16 | 13°48 | 13° 8 | 12°14 | W26 |
| T 27 | 6 52 17 | 13°26'53 | 2♓33 | 19°22 | 28°26 | 28°D52 | 29°40 | 26° 0 | 2°18 | 10°31 | 10°42 | 12°17 | 13°44 | 13°15 | 12°18 | T 27 |
| F 28 | 6 56 13 | 14°28'02 | 16° 3 | 21° 3 | 29°13 | 28°52 | 29°42 | 26° 6 | 2°17 | 10°32 | 10°42 | 12°18 | 13°41 | 13°22 | 12°22 | F 28 |
| S 29 | 7 0 10 | 15°29'11 | 29° 6 | 22°44 | 29°58 | 28°53 | 29°44 | 26°13 | 2°15 | 10°32 | 10°41 | 12°20 | 13°38 | 13°28 | 12°26 | S 29 |
| S 30 | 7 4 7 | 16°30'19 | 11♈46 | 24°26 | 0♓43 | 28°55 | 29°45 | 26°19 | 2°14 | 10°33 | 10°41 | 12°R21 | 13°35 | 13°35 | 12°30 | S 30 |
| M31 | 7 8 3 | 17♎31'26 | 24♈ 8 | 26♎ 7 | 1♓26 | 28♉58 | 29♍47 | 26♒25 | 2♍12 | 10♈33 | 10♉40 | 12♒21 | 13♒32 | 13♊42 | 12♒34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s53 | 0s58 | 3n 3 | 21s56 | 0s16 | 21s26 | 2s13 | 23n 7 | 2n16 | 2n 2 | 1n16 | 15s 9 | 1s36 | 11n17 | 0n46 | 2n36 | 1s43 | 0n39 | 15s16 | 16s43 | 16s21 | 26n41 | 11s32 | 6n18 |
| S 2 | 22 58 | 4n47 | 3 52 | 22 18 | 0 23 | 21 8 | 2 10 | 23 5 | 2 18 | 1 59 | 1 16 | 15 8 | 1 35 | 11 17 | 0 46 | 2 36 | 1 43 | 0 39 | 15 15 | 16 43 | 16 22 | 26 42 | 11 31 | 6 18 |
| M 3 | 23 4 | 10 13 | 4 29 | 22 38 | 0 30 | 20 49 | 2 7 | 23 3 | 2 19 | 1 57 | 1 16 | 15 6 | 1 35 | 11 17 | 0 46 | 2 36 | 1 42 | 0 38 | 15 15 | 16 44 | 16 23 | 26 42 | 11 31 | 6 17 |
| T 4 | 23 9 | 15 11 | 4 54 | 22 57 | 0 36 | 20 30 | 2 3 | 23 1 | 2 21 | 1 55 | 1 16 | 15 4 | 1 35 | 11 17 | 0 46 | 2 36 | 1 42 | 0 38 | 15 15 | 16 46 | 16 24 | 26 43 | 11 30 | 6 17 |
| W 5 | 23 13 | 19 31 | 5 5 | 23 15 | 0 42 | 20 10 | 1 59 | 22 58 | 2 22 | 1 53 | 1 17 | 15 3 | 1 35 | 11 18 | 0 46 | 2 36 | 1 42 | 0 38 | 15 15 | 16 48 | 16 25 | 26 43 | 11 30 | 6 17 |
| T 6 | 23 17 | 23 3 | 5 3 | 23 32 | 0 48 | 19 50 | 1 56 | 22 56 | 2 23 | 1 51 | 1 17 | 15 1 | 1 35 | 11 18 | 0 46 | 2 36 | 1 42 | 0 38 | 15 15 | 16 51 | 16 26 | 26 44 | 11 29 | 6 16 |
| F 7 | 23 20 | 25 35 | 4 47 | 23 48 | 0 54 | 19 30 | 1 51 | 22 54 | 2 24 | 1 49 | 1 17 | 15 0 | 1 35 | 11 18 | 0 46 | 2 36 | 1 42 | 0 38 | 15 14 | 16 54 | 16 27 | 26 45 | 11 29 | 6 16 |
| S 8 | 23 23 | 27 0 | 4 20 | 24 2 | 1 0 | 19 9 | 1 47 | 22 52 | 2 26 | 1 47 | 1 17 | 14 58 | 1 35 | 11 18 | 0 46 | 2 36 | 1 42 | 0 38 | 15 14 | 16 57 | 16 28 | 26 45 | 11 28 | 6 16 |
| S 9 | 23 26 | 27 10 | 3 41 | 24 15 | 1 6 | 18 48 | 1 43 | 22 50 | 2 27 | 1 45 | 1 18 | 14 56 | 1 35 | 11 18 | 0 46 | 2 36 | 1 42 | 0 38 | 15 14 | 16 59 | 16 29 | 26 46 | 11 27 | 6 15 |
| M10 | 23 28 | 26 4 | 2 52 | 24 27 | 1 11 | 18 27 | 1 38 | 22 48 | 2 28 | 1 43 | 1 18 | 14 55 | 1 35 | 11 19 | 0 46 | 2 36 | 1 42 | 0 38 | 15 14 | 17 2 | 16 30 | 26 46 | 11 27 | 6 15 |
| T 11 | 23 29 | 23 46 | 1 55 | 24 38 | 1 17 | 18 6 | 1 33 | 22 46 | 2 29 | 1 42 | 1 18 | 14 53 | 1 35 | 11 19 | 0 46 | 2 36 | 1 42 | 0 38 | 15 13 | 17 3 | 16 31 | 26 47 | 11 26 | 6 15 |
| W12 | 23 31 | 20 23 | 0 52 | 24 47 | 1 22 | 17 44 | 1 28 | 22 44 | 2 30 | 1 40 | 1 18 | 14 51 | 1 35 | 11 19 | 0 46 | 2 36 | 1 42 | 0 38 | 15 13 | 17 4 | 16 32 | 26 47 | 11 26 | 6 14 |
| T 13 | 23 31 | 16 5 | 0s14 | 24 55 | 1 27 | 17 21 | 1 23 | 22 42 | 2 30 | 1 38 | 1 19 | 14 49 | 1 35 | 11 19 | 0 47 | 2 36 | 1 42 | 0 39 | 15 13 | 17 4 | 16 33 | 26 48 | 11 25 | 6 14 |
| F 14 | 23 31 | 11 4 | 1 21 | 25 2 | 1 31 | 16 59 | 1 17 | 22 41 | 2 31 | 1 37 | 1 19 | 14 47 | 1 35 | 11 20 | 0 47 | 2 36 | 1 42 | 0 39 | 15 13 | 17 4 | 16 34 | 26 49 | 11 24 | 6 14 |
| S 15 | 23 31 | 5 29 | 2 24 | 25 7 | 1 36 | 16 36 | 1 12 | 22 39 | 2 32 | 1 35 | 1 19 | 14 46 | 1 34 | 11 20 | 0 47 | 2 36 | 1 42 | 0 39 | 15 12 | 17 3 | 16 34 | 26 49 | 11 24 | 6 14 |
| S 16 | 23 30 | 0s26 | 3 23 | 25 11 | 1 40 | 16 13 | 1 6 | 22 38 | 2 32 | 1 34 | 1 19 | 14 44 | 1 34 | 11 20 | 0 47 | 2 36 | 1 42 | 0 39 | 15 12 | 17 3 | 16 35 | 26 50 | 11 23 | 6 13 |
| M17 | 23 29 | 6 30 | 4 12 | 25 13 | 1 44 | 15 50 | 1 0 | 22 37 | 2 33 | 1 33 | 1 20 | 14 42 | 1 34 | 11 21 | 0 47 | 2 36 | 1 42 | 0 39 | 15 12 | 17 3 | 16 36 | 26 50 | 11 22 | 6 13 |
| T 18 | 23 27 | 12 26 | 4 48 | 25 14 | 1 48 | 15 27 | 0 54 | 22 35 | 2 34 | 1 31 | 1 20 | 14 40 | 1 34 | 11 21 | 0 47 | 2 36 | 1 42 | 0 39 | 15 11 | 17 3 | 16 37 | 26 51 | 11 21 | 6 13 |
| W19 | 23 25 | 17 55 | 5 8 | 25 13 | 1 51 | 15 4 | 0 47 | 22 34 | 2 34 | 1 30 | 1 20 | 14 38 | 1 34 | 11 21 | 0 47 | 2 36 | 1 42 | 0 39 | 15 11 | 17 4 | 16 38 | 26 51 | 11 21 | 6 12 |
| T 20 | 23 22 | 22 31 | 5 9 | 25 11 | 1 54 | 14 40 | 0 40 | 22 33 | 2 34 | 1 29 | 1 21 | 14 36 | 1 34 | 11 22 | 0 47 | 2 36 | 1 42 | 0 39 | 15 11 | 17 5 | 16 39 | 26 52 | 11 20 | 6 12 |
| F 21 | 23 19 | 25 46 | 4 49 | 25 8 | 1 57 | 14 16 | 0 34 | 22 33 | 2 35 | 1 28 | 1 21 | 14 34 | 1 34 | 11 22 | 0 47 | 2 37 | 1 42 | 0 39 | 15 11 | 17 7 | 16 40 | 26 52 | 11 19 | 6 12 |
| S 22 | 23 15 | 27 14 | 4 10 | 25 2 | 1 59 | 13 52 | 0 26 | 22 32 | 2 35 | 1 27 | 1 21 | 14 32 | 1 34 | 11 23 | 0 47 | 2 37 | 1 41 | 0 39 | 15 10 | 17 8 | 16 41 | 26 53 | 11 18 | 6 12 |
| S 23 | 23 11 | 26 39 | 3 12 | 24 55 | 2 1 | 13 28 | 0 19 | 22 31 | 2 35 | 1 26 | 1 21 | 14 30 | 1 34 | 11 23 | 0 47 | 2 37 | 1 41 | 0 39 | 15 10 | 17 9 | 16 42 | 26 53 | 11 18 | 6 11 |
| M24 | 23 7 | 24 7 | 2 2 | 24 47 | 2 3 | 13 4 | 0 12 | 22 31 | 2 36 | 1 25 | 1 22 | 14 28 | 1 34 | 11 24 | 0 47 | 2 37 | 1 41 | 0 40 | 15 10 | 17 10 | 16 43 | 26 53 | 11 17 | 6 11 |
| T 25 | 23 2 | 19 59 | 0 44 | 24 37 | 2 4 | 12 40 | 0 4 | 22 31 | 2 36 | 1 25 | 1 22 | 14 26 | 1 34 | 11 24 | 0 47 | 2 37 | 1 41 | 0 40 | 15 9 | 17 11 | 16 44 | 26 54 | 11 16 | 6 11 |
| W26 | 22 56 | 14 45 | 0n35 | 24 25 | 2 5 | 12 16 | 0n 4 | 22 31 | 2 36 | 1 24 | 1 22 | 14 24 | 1 34 | 11 25 | 0 47 | 2 37 | 1 41 | 0 40 | 15 9 | 17 11 | 16 45 | 26 54 | 11 15 | 6 11 |
| T 27 | 22 50 | 8 54 | 1 49 | 24 12 | 2 6 | 11 52 | 0 12 | 22 31 | 2 36 | 1 24 | 1 22 | 14 22 | 1 34 | 11 25 | 0 47 | 2 38 | 1 41 | 0 40 | 15 9 | 17 11 | 16 46 | 26 55 | 11 14 | 6 11 |
| F 28 | 22 44 | 2 50 | 2 55 | 23 57 | 2 6 | 11 28 | 0 21 | 22 31 | 2 36 | 1 23 | 1 23 | 14 20 | 1 34 | 11 26 | 0 47 | 2 38 | 1 41 | 0 40 | 15 8 | 17 10 | 16 46 | 26 55 | 11 13 | 6 10 |
| S 29 | 22 37 | 3n 9 | 3 49 | 23 40 | 2 6 | 11 4 | 0 29 | 22 31 | 2 36 | 1 23 | 1 23 | 14 18 | 1 34 | 11 26 | 0 47 | 2 38 | 1 41 | 0 40 | 15 8 | 17 10 | 16 47 | 26 56 | 11 12 | 6 10 |
| S 30 | 22 30 | 8 49 | 4 31 | 23 21 | 2 5 | 10 40 | 0 38 | 22 31 | 2 36 | 1 22 | 1 23 | 14 15 | 1 34 | 11 27 | 0 47 | 2 38 | 1 41 | 0 41 | 15 8 | 17 9 | 16 48 | 26 56 | 11 12 | 6 10 |
| M31 | 22s22 | 14n 1 | 4n59 | 23s 1 | 2s 4 | 10s16 | 0n47 | 22n32 | 2n36 | 1n22 | 1n24 | 14s13 | 1s34 | 11n28 | 0n47 | 2n39 | 1s41 | 0n41 | 15s 8 | 17s 9 | 16s49 | 26n56 | 11s11 | 6n10 |

Julian Day Number = 2223610.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'06, Lahiri = 15°09'06 Julian Calendar 1 Dec. 1375 == Greg. Calendar 9 Dec. 1375


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## JANUARY 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 12 0 | 18♉32'32 | 6♉16 | 27♉49 | 2♓ 9 | 29♉ 1 | 29♍48 | 26♒31 | 2°R11 | 10♈34 | 10°R40 | 12°R19 | 13♒29 | 13♊48 | 12♒38 | T 1 |
| W 2 | 7 15 56 | 19°33'38 | 18°13 | 29°31 | 2°50 | 29° 5 | 29°49 | 26°38 | 2♍ 9 | 10°34 | 10♉40 | 12♒17 | 13°25 | 13°55 | 12°42 | W 2 |
| T 3 | 7 19 53 | 20°34'42 | 0♊ 6 | 1♒13 | 3°30 | 29°10 | 29°50 | 26°44 | 2° 7 | 10°35 | 10°39 | 12°14 | 13°22 | 14° 2 | 12°46 | T 3 |
| F 4 | 7 23 49 | 21°35'46 | 11°56 | 2°55 | 4° 9 | 29°16 | 29°50 | 26°50 | 2° 6 | 10°36 | 10°39 | 12°10 | 13°19 | 14° 9 | 12°50 | F 4 |
| S 5 | 7 27 46 | 22°36'49 | 23°48 | 4°37 | 4°46 | 29°22 | 29°51 | 26°57 | 2° 4 | 10°37 | 10°39 | 12° 7 | 13°16 | 14°15 | 12°54 | S 5 |
| S 6 | 7 31 42 | 23°37'51 | 5♋44 | 6°18 | 5°22 | 29°29 | 29°51 | 27° 3 | 2° 2 | 10°37 | 10°39 | 12° 4 | 13°13 | 14°22 | 12°58 | S 6 |
| M 7 | 7 35 39 | 24°38'52 | 17°46 | 7°59 | 5°57 | 29°36 | 29°R51 | 27°10 | 2° 0 | 10°38 | 10°38 | 12° 1 | 13°10 | 14°29 | 13° 2 | M 7 |
| T 8 | 7 39 36 | 25°39'52 | 29°55 | 9°39 | 6°30 | 29°44 | 29°51 | 27°17 | 1°58 | 10°39 | 10°38 | 12° 0 | 13° 6 | 14°35 | 13° 7 | T 8 |
| W 9 | 7 43 32 | 26°40'52 | 12♌14 | 11°17 | 7° 2 | 29°53 | 29°50 | 27°23 | 1°56 | 10°40 | 10°38 | 12°D 0 | 13° 3 | 14°42 | 13°11 | W 9 |
| T 10 | 7 47 29 | 27°41'50 | 24°43 | 12°54 | 7°32 | 0♊ 3 | 29°50 | 27°30 | 1°54 | 10°41 | 10°38 | 12° 0 | 13° 0 | 14°49 | 13°15 | T 10 |
| F 11 | 7 51 25 | 28°42'48 | 7♍24 | 14°30 | 8° 0 | 0°13 | 29°49 | 27°37 | 1°52 | 10°42 | 10°38 | 12° 1 | 12°57 | 14°55 | 13°19 | F 11 |
| S 12 | 7 55 22 | 29°43'45 | 20°18 | 16° 3 | 8°27 | 0°23 | 29°48 | 27°43 | 1°50 | 10°43 | 10°38 | 12° 2 | 12°54 | 15° 2 | 13°23 | S 12 |
| S 13 | 7 59 18 | 0♒44'41 | 3♎27 | 17°34 | 8°52 | 0°35 | 29°47 | 27°50 | 1°48 | 10°44 | 10°38 | 12° 3 | 12°50 | 15° 9 | 13°28 | S 13 |
| M14 | 8 3 15 | 1°45'36 | 16°52 | 19° 1 | 9°15 | 0°46 | 29°46 | 27°57 | 1°46 | 10°45 | 10°38 | 12° 4 | 12°47 | 15°16 | 13°32 | M14 |
| T 15 | 8 7 11 | 2°46'31 | 0♏34 | 20°24 | 9°37 | 0°59 | 29°44 | 28° 4 | 1°44 | 10°46 | 10°38 | 12°R 4 | 12°44 | 15°22 | 13°36 | T 15 |
| W16 | 8 11 8 | 3°47'25 | 14°34 | 21°43 | 9°56 | 1°11 | 29°42 | 28°11 | 1°42 | 10°47 | 10°37 | 12° 4 | 12°41 | 15°29 | 13°40 | W16 |
| T 17 | 8 15 5 | 4°48'18 | 28°51 | 22°57 | 10°13 | 1°25 | 29°41 | 28°18 | 1°39 | 10°48 | 10°D37 | 12° 4 | 12°38 | 15°36 | 13°45 | T 17 |
| F 18 | 8 19 1 | 5°49'10 | 13♐22 | 24° 4 | 10°29 | 1°39 | 29°38 | 28°25 | 1°37 | 10°49 | 10°38 | 12° 3 | 12°35 | 15°42 | 13°49 | F 18 |
| S 19 | 8 22 58 | 6°50'01 | 28° 3 | 25° 5 | 10°42 | 1°53 | 29°36 | 28°32 | 1°35 | 10°50 | 10°38 | 12° 2 | 12°31 | 15°49 | 13°53 | S 19 |
| S 20 | 8 26 54 | 7°50'52 | 12♑48 | 25°59 | 10°53 | 2° 8 | 29°34 | 28°39 | 1°32 | 10°52 | 10°38 | 12° 2 | 12°28 | 15°56 | 13°58 | S 20 |
| M21 | 8 30 51 | 8°51'41 | 27°31 | 26°44 | 11° 1 | 2°23 | 29°31 | 28°46 | 1°30 | 10°53 | 10°38 | 12° 2 | 12°25 | 16° 3 | 14° 2 | M21 |
| T 22 | 8 34 47 | 9°52'29 | 12♒ 5 | 27°20 | 11° 8 | 2°39 | 29°28 | 28°53 | 1°28 | 10°54 | 10°38 | 12°D 1 | 12°22 | 16° 9 | 14° 6 | T 22 |
| W23 | 8 38 44 | 10°53'15 | 26°22 | 27°46 | 11°12 | 2°56 | 29°25 | 29° 0 | 1°25 | 10°56 | 10°38 | 12° 1 | 12°19 | 16°16 | 14°11 | W23 |
| T 24 | 8 42 41 | 11°54'00 | 10♓19 | 28° 3 | 11°R13 | 3°13 | 29°22 | 29° 7 | 1°23 | 10°57 | 10°38 | 12°R 2 | 12°16 | 16°23 | 14°15 | T 24 |
| F 25 | 8 46 37 | 12°54'44 | 23°52 | 28°R 8 | 11°12 | 3°30 | 29°19 | 29°14 | 1°21 | 10°58 | 10°38 | 12° 1 | 12°12 | 16°29 | 14°19 | F 25 |
| S 26 | 8 50 34 | 13°55'25 | 7♈ 1 | 28° 3 | 11° 9 | 3°47 | 29°15 | 29°21 | 1°18 | 11° 0 | 10°38 | 12° 1 | 12° 9 | 16°36 | 14°24 | S 26 |
| S 27 | 8 54 30 | 14°56'06 | 19°48 | 27°48 | 11° 3 | 4° 6 | 29°11 | 29°29 | 1°16 | 11° 1 | 10°39 | 12° 1 | 12° 6 | 16°43 | 14°28 | S 27 |
| M28 | 8 58 27 | 15°56'44 | 2♉15 | 27°22 | 10°55 | 4°24 | 29° 7 | 29°36 | 1°13 | 11° 3 | 10°39 | 12° 1 | 12° 3 | 16°49 | 14°32 | M28 |
| T 29 | 9 2 23 | 16°57'21 | 14°26 | 26°46 | 10°44 | 4°43 | 29° 3 | 29°43 | 1°11 | 11° 4 | 10°39 | 12°D 1 | 12° 0 | 16°56 | 14°37 | T 29 |
| W30 | 9 6 20 | 17°57'56 | 26°25 | 26° 2 | 10°30 | 5° 2 | 28°59 | 29°50 | 1° 8 | 11° 5 | 10°39 | 12° 1 | 11°56 | 17° 3 | 14°41 | W30 |
| T 31 | 9 10 16 | 18♒58'29 | 8♊18 | 25♒10 | 10♓14 | 5♊22 | 28♍55 | 29♒58 | 1♍ 6 | 11♈ 7 | 10♉40 | 12♒ 1 | 11♒53 | 17♊ 9 | 14♒45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s14 | 18n34 | 5n13 | 22s39 | 2s 2 | 9s52 | 0n56 | 22n33 | 2n36 | 1n22 | 1n24 | 14s11 | 1s34 | 11n28 | 0n47 | 2n39 | 1s41 | 0n41 | 15s 7 | 17s10 | 16s50 | 26n57 | 11s10 | 6n10 |
| W 2 | 22 5 | 22 19 | 5 13 | 22 16 | 1 59 | 9 28 | 1 6 | 22 33 | 2 36 | 1 22 | 1 24 | 14 9 | 1 34 | 11 29 | 0 47 | 2 39 | 1 41 | 0 41 | 15 7 | 17 10 | 16 51 | 26 57 | 11 9 | 6 9 |
| T 3 | 21 56 | 25 7 | 4 59 | 21 51 | 1 56 | 9 5 | 1 16 | 22 34 | 2 36 | 1 22 | 1 24 | 14 7 | 1 34 | 11 29 | 0 47 | 2 40 | 1 41 | 0 41 | 15 7 | 17 11 | 16 52 | 26 58 | 11 8 | 6 9 |
| F 4 | 21 47 | 26 49 | 4 33 | 21 24 | 1 53 | 8 41 | 1 26 | 22 35 | 2 36 | 1 22 | 1 25 | 14 4 | 1 33 | 11 30 | 0 47 | 2 40 | 1 41 | 0 42 | 15 6 | 17 12 | 16 53 | 26 58 | 11 7 | 6 9 |
| S 5 | 21 37 | 27 18 | 3 55 | 20 56 | 1 49 | 8 18 | 1 36 | 22 37 | 2 35 | 1 22 | 1 25 | 14 2 | 1 33 | 11 31 | 0 47 | 2 40 | 1 41 | 0 42 | 15 6 | 17 13 | 16 54 | 26 58 | 11 6 | 6 9 |
| S 6 | 21 27 | 26 31 | 3 7 | 20 26 | 1 44 | 7 55 | 1 46 | 22 38 | 2 35 | 1 22 | 1 25 | 14 0 | 1 33 | 11 32 | 0 47 | 2 41 | 1 41 | 0 42 | 15 6 | 17 14 | 16 55 | 26 59 | 11 5 | 6 9 |
| M 7 | 21 16 | 24 29 | 2 10 | 19 55 | 1 38 | 7 33 | 1 57 | 22 39 | 2 35 | 1 22 | 1 26 | 13 58 | 1 33 | 11 32 | 0 47 | 2 41 | 1 41 | 0 42 | 15 5 | 17 15 | 16 56 | 26 59 | 11 4 | 6 9 |
| T 8 | 21 5 | 21 19 | 1 6 | 19 22 | 1 32 | 7 10 | 2 8 | 22 41 | 2 35 | 1 22 | 1 26 | 13 55 | 1 33 | 11 33 | 0 47 | 2 41 | 1 41 | 0 43 | 15 5 | 17 15 | 16 56 | 26 59 | 11 3 | 6 8 |
| W 9 | 20 54 | 17 10 | 0s 1 | 18 48 | 1 25 | 6 48 | 2 19 | 22 43 | 2 34 | 1 23 | 1 26 | 13 53 | 1 33 | 11 34 | 0 48 | 2 42 | 1 40 | 0 43 | 15 5 | 17 15 | 16 57 | 27 0 | 11 2 | 6 8 |
| T 10 | 20 42 | 12 14 | 1 10 | 18 13 | 1 17 | 6 27 | 2 30 | 22 44 | 2 34 | 1 23 | 1 26 | 13 51 | 1 33 | 11 34 | 0 48 | 2 42 | 1 40 | 0 43 | 15 4 | 17 15 | 16 58 | 27 0 | 11 1 | 6 8 |
| F 11 | 20 29 | 6 43 | 2 16 | 17 37 | 1 8 | 6 6 | 2 42 | 22 46 | 2 34 | 1 24 | 1 27 | 13 48 | 1 33 | 11 35 | 0 48 | 2 43 | 1 40 | 0 43 | 15 4 | 17 15 | 16 59 | 27 0 | 11 0 | 6 8 |
| S 12 | 20 17 | 0 51 | 3 17 | 17 1 | 0 59 | 5 45 | 2 54 | 22 48 | 2 34 | 1 25 | 1 27 | 13 46 | 1 33 | 11 36 | 0 48 | 2 43 | 1 40 | 0 44 | 15 4 | 17 15 | 17 0 | 27 1 | 10 59 | 6 8 |
| S 13 | 20 4 | 5s10 | 4 8 | 16 23 | 0 48 | 5 24 | 3 6 | 22 50 | 2 33 | 1 25 | 1 27 | 13 43 | 1 33 | 11 37 | 0 48 | 2 43 | 1 40 | 0 44 | 15 3 | 17 14 | 17 1 | 27 1 | 10 58 | 6 8 |
| M14 | 19 50 | 11 4 | 4 47 | 15 46 | 0 37 | 5 4 | 3 18 | 22 52 | 2 33 | 1 26 | 1 28 | 13 41 | 1 33 | 11 37 | 0 48 | 2 44 | 1 40 | 0 44 | 15 3 | 17 14 | 17 2 | 27 1 | 10 57 | 6 8 |
| T 15 | 19 36 | 16 33 | 5 11 | 15 8 | 0 25 | 4 45 | 3 30 | 22 55 | 2 32 | 1 27 | 1 28 | 13 39 | 1 33 | 11 38 | 0 48 | 2 44 | 1 40 | 0 45 | 15 3 | 17 14 | 17 3 | 27 2 | 10 55 | 6 8 |
| W16 | 19 22 | 21 18 | 5 17 | 14 30 | 0 12 | 4 26 | 3 43 | 22 57 | 2 32 | 1 28 | 1 28 | 13 36 | 1 33 | 11 39 | 0 48 | 2 45 | 1 40 | 0 45 | 15 2 | 17 14 | 17 4 | 27 2 | 10 54 | 6 7 |
| T 17 | 19 8 | 24 54 | 5 4 | 13 53 | 0n 2 | 4 8 | 3 55 | 22 59 | 2 32 | 1 29 | 1 28 | 13 34 | 1 33 | 11 40 | 0 48 | 2 45 | 1 40 | 0 45 | 15 2 | 17 14 | 17 5 | 27 2 | 10 53 | 6 7 |
| F 18 | 18 53 | 26 58 | 4 31 | 13 18 | 0 16 | 3 50 | 4 8 | 23 2 | 2 31 | 1 30 | 1 29 | 13 31 | 1 33 | 11 41 | 0 48 | 2 46 | 1 40 | 0 46 | 15 2 | 17 14 | 17 5 | 27 2 | 10 52 | 6 7 |
| S 19 | 18 38 | 27 11 | 3 41 | 12 43 | 0 31 | 3 33 | 4 21 | 23 4 | 2 31 | 1 31 | 1 29 | 13 29 | 1 33 | 11 42 | 0 48 | 2 46 | 1 40 | 0 46 | 15 1 | 17 15 | 17 6 | 27 3 | 10 51 | 6 7 |
| S 20 | 18 22 | 25 29 | 2 35 | 12 10 | 0 47 | 3 17 | 4 34 | 23 7 | 2 30 | 1 32 | 1 29 | 13 26 | 1 33 | 11 42 | 0 48 | 2 47 | 1 40 | 0 46 | 15 1 | 17 15 | 17 7 | 27 3 | 10 50 | 6 7 |
| M21 | 18 6 | 22 2 | 1 20 | 11 40 | 1 3 | 3 2 | 4 47 | 23 10 | 2 30 | 1 34 | 1 29 | 13 24 | 1 33 | 11 43 | 0 48 | 2 47 | 1 40 | 0 47 | 15 1 | 17 15 | 17 8 | 27 3 | 10 49 | 6 7 |
| T 22 | 17 50 | 17 14 | 0n 0 | 11 12 | 1 20 | 2 47 | 5 0 | 23 12 | 2 30 | 1 35 | 1 30 | 13 22 | 1 33 | 11 44 | 0 48 | 2 48 | 1 40 | 0 47 | 15 0 | 17 15 | 17 9 | 27 3 | 10 48 | 6 7 |
| W23 | 17 34 | 11 32 | 1 19 | 10 47 | 1 36 | 2 33 | 5 14 | 23 15 | 2 29 | 1 36 | 1 30 | 13 19 | 1 33 | 11 45 | 0 48 | 2 48 | 1 40 | 0 47 | 15 0 | 17 15 | 17 10 | 27 4 | 10 46 | 6 7 |
| T 24 | 17 17 | 5 24 | 2 31 | 10 25 | 1 53 | 2 20 | 5 27 | 23 18 | 2 29 | 1 38 | 1 30 | 13 17 | 1 33 | 11 46 | 0 48 | 2 49 | 1 40 | 0 48 | 15 0 | 17 15 | 17 11 | 27 4 | 10 45 | 6 7 |
| F 25 | 17 0 | 0n48 | 3 32 | 10 8 | 2 10 | 2 9 | 5 40 | 23 21 | 2 28 | 1 39 | 1 31 | 13 14 | 1 33 | 11 47 | 0 48 | 2 50 | 1 40 | 0 48 | 14 59 | 17 15 | 17 12 | 27 4 | 10 44 | 6 7 |
| S 26 | 16 42 | 6 46 | 4 20 | 9 55 | 2 26 | 1 58 | 5 53 | 23 24 | 2 28 | 1 41 | 1 31 | 13 12 | 1 33 | 11 48 | 0 48 | 2 50 | 1 40 | 0 48 | 14 59 | 17 15 | 17 13 | 27 4 | 10 43 | 6 7 |
| S 27 | 16 25 | 12 18 | 4 54 | 9 46 | 2 41 | 1 48 | 6 6 | 23 27 | 2 27 | 1 43 | 1 31 | 13 9 | 1 33 | 11 49 | 0 48 | 2 51 | 1 40 | 0 49 | 14 59 | 17 15 | 17 13 | 27 4 | 10 42 | 6 7 |
| M28 | 16 7 | 17 11 | 5 13 | 9 41 | 2 55 | 1 39 | 6 19 | 23 30 | 2 27 | 1 45 | 1 31 | 13 6 | 1 33 | 11 49 | 0 48 | 2 51 | 1 40 | 0 49 | 14 58 | 17 15 | 17 14 | 27 5 | 10 40 | 6 7 |
| T 29 | 15 48 | 21 16 | 5 17 | 9 41 | 3 8 | 1 31 | 6 32 | 23 33 | 2 26 | 1 46 | 1 31 | 13 4 | 1 33 | 11 50 | 0 48 | 2 52 | 1 40 | 0 50 | 14 58 | 17 15 | 17 15 | 27 5 | 10 39 | 6 7 |
| W30 | 15 30 | 24 24 | 5 7 | 9 45 | 3 20 | 1 25 | 6 44 | 23 36 | 2 26 | 1 48 | 1 32 | 13 1 | 1 33 | 11 51 | 0 48 | 2 53 | 1 40 | 0 50 | 14 58 | 17 15 | 17 16 | 27 5 | 10 38 | 6 7 |
| T 31 | 15s11 | 26n27 | 4n45 | 9s54 | 3n29 | 1s19 | 6n57 | 23n39 | 2n25 | 1n50 | 1n32 | 12s59 | 1s33 | 11n52 | 0n48 | 2n53 | 1s39 | 0n50 | 14s57 | 17s15 | 17s17 | 27n 5 | 10s37 | 6n 7 |

Julian Day Number = 2223641.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'10, Lahiri = 15°09'11 Julian Calendar 1 Jan. 1376 == Greg. Calendar 9 Jan. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## FEBRUARY 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 14 13 | 19♒59'01 | 20♊ 8 | 24°R11 | 9°R56 | 5♊42 | 28°R50 | 0♓ 5 | 1°R 3 | 11♈ 9 | 10♉40 | 12♒ 2 | 11♒50 | 17♊16 | 14♒50 | F 1 |
| S 2 | 9 18 10 | 20°59'30 | 2♋ 1 | 23♒ 8 | 9♓35 | 6° 3 | 28♍46 | 0°12 | 1♍ 0 | 11°10 | 10°40 | 12° 3 | 11°47 | 17°23 | 14°54 | S 2 |
| S 3 | 9 22 6 | 21°59'58 | 14° 0 | 22° 2 | 9°12 | 6°24 | 28°41 | 0°20 | 0°58 | 11°12 | 10°41 | 12° 4 | 11°44 | 17°30 | 14°58 | S 3 |
| M 4 | 9 26 3 | 23° 0'24 | 26° 8 | 20°55 | 8°47 | 6°45 | 28°36 | 0°27 | 0°55 | 11°13 | 10°41 | 12° 5 | 11°41 | 17°36 | 15° 3 | M 4 |
| T 5 | 9 29 59 | 24° 0'48 | 8♌29 | 19°49 | 8°19 | 7° 6 | 28°30 | 0°34 | 0°53 | 11°15 | 10°42 | 12°R 5 | 11°37 | 17°43 | 15° 7 | T 5 |
| W 6 | 9 33 56 | 25° 1'11 | 21° 3 | 18°44 | 7°50 | 7°28 | 28°25 | 0°41 | 0°50 | 11°17 | 10°42 | 12° 5 | 11°34 | 17°50 | 15°11 | W 6 |
| T 7 | 9 37 52 | 26° 1'31 | 3♍52 | 17°43 | 7°19 | 7°50 | 28°20 | 0°49 | 0°48 | 11°18 | 10°42 | 12° 4 | 11°31 | 17°56 | 15°15 | T 7 |
| F 8 | 9 41 49 | 27° 1'50 | 16°56 | 16°47 | 6°46 | 8°13 | 28°14 | 0°56 | 0°45 | 11°20 | 10°43 | 12° 2 | 11°28 | 18° 3 | 15°20 | F 8 |
| S 9 | 9 45 45 | 28° 2'08 | 0♎14 | 15°56 | 6°12 | 8°35 | 28° 8 | 1° 3 | 0°42 | 11°22 | 10°43 | 12° 0 | 11°25 | 18°10 | 15°24 | S 9 |
| S 10 | 9 49 42 | 29° 2'23 | 13°45 | 15°12 | 5°36 | 8°58 | 28° 2 | 1°11 | 0°40 | 11°24 | 10°44 | 11°58 | 11°22 | 18°16 | 15°28 | S 10 |
| M11 | 9 53 38 | 0♓ 2'37 | 27°28 | 14°35 | 5° 0 | 9°22 | 27°56 | 1°18 | 0°37 | 11°25 | 10°44 | 11°56 | 11°18 | 18°23 | 15°32 | M11 |
| T 12 | 9 57 35 | 1° 2'50 | 11♏21 | 14° 4 | 4°23 | 9°45 | 27°50 | 1°26 | 0°34 | 11°27 | 10°45 | 11°54 | 11°15 | 18°30 | 15°37 | T 12 |
| W13 | 10 1 32 | 2° 3'01 | 25°23 | 13°40 | 3°45 | 10° 9 | 27°44 | 1°33 | 0°32 | 11°29 | 10°46 | 11°53 | 11°12 | 18°37 | 15°41 | W13 |
| T 14 | 10 5 28 | 3° 3'11 | 9♐31 | 13°24 | 3° 8 | 10°33 | 27°38 | 1°40 | 0°29 | 11°31 | 10°46 | 11°D53 | 11° 9 | 18°43 | 15°45 | T 14 |
| F 15 | 10 9 25 | 4° 3'19 | 23°45 | 13°15 | 2°30 | 10°58 | 27°31 | 1°48 | 0°27 | 11°33 | 10°47 | 11°54 | 11° 6 | 18°50 | 15°49 | F 15 |
| S 16 | 10 13 21 | 5° 3'26 | 8♑ 2 | 13°D12 | 1°53 | 11°22 | 27°24 | 1°55 | 0°24 | 11°35 | 10°47 | 11°55 | 11° 2 | 18°57 | 15°53 | S 16 |
| S 17 | 10 17 18 | 6° 3'31 | 22°19 | 13°15 | 1°16 | 11°47 | 27°18 | 2° 2 | 0°21 | 11°37 | 10°48 | 11°56 | 10°59 | 19° 3 | 15°57 | S 17 |
| M18 | 10 21 14 | 7° 3'34 | 6♒32 | 13°25 | 0°40 | 12°13 | 27°11 | 2°10 | 0°19 | 11°39 | 10°49 | 11°R57 | 10°56 | 19°10 | 16° 1 | M18 |
| T 19 | 10 25 11 | 8° 3'36 | 20°40 | 13°40 | 0° 5 | 12°38 | 27° 4 | 2°17 | 0°16 | 11°40 | 10°49 | 11°57 | 10°53 | 19°17 | 16° 6 | T 19 |
| W20 | 10 29 8 | 9° 3'35 | 4♓36 | 14° 1 | 29♒32 | 13° 4 | 26°57 | 2°24 | 0°14 | 11°42 | 10°50 | 11°56 | 10°50 | 19°23 | 16°10 | W20 |
| T 21 | 10 33 4 | 10° 3'33 | 18°18 | 14°27 | 28°59 | 13°30 | 26°50 | 2°32 | 0°11 | 11°44 | 10°51 | 11°53 | 10°47 | 19°30 | 16°14 | T 21 |
| F 22 | 10 37 1 | 11° 3'28 | 1♈43 | 14°58 | 28°29 | 13°56 | 26°43 | 2°39 | 0° 8 | 11°46 | 10°52 | 11°48 | 10°43 | 19°37 | 16°18 | F 22 |
| S 23 | 10 40 57 | 12° 3'22 | 14°48 | 15°33 | 28° 0 | 14°22 | 26°35 | 2°46 | 0° 6 | 11°48 | 10°52 | 11°43 | 10°40 | 19°43 | 16°22 | S 23 |
| S 24 | 10 44 54 | 13° 3'13 | 27°35 | 16°12 | 27°33 | 14°49 | 26°28 | 2°54 | 0° 3 | 11°50 | 10°53 | 11°38 | 10°37 | 19°50 | 16°26 | S 24 |
| M25 | 10 48 50 | 14° 3'03 | 10♉ 3 | 16°56 | 27° 9 | 15°15 | 26°21 | 3° 1 | 0° 1 | 11°53 | 10°54 | 11°33 | 10°34 | 19°57 | 16°30 | M25 |
| T 26 | 10 52 47 | 15° 2'50 | 22°16 | 17°42 | 26°46 | 15°42 | 26°13 | 3° 8 | 29♌58 | 11°55 | 10°55 | 11°30 | 10°31 | 20° 4 | 16°34 | T 26 |
| W27 | 10 56 43 | 16° 2'35 | 4♊17 | 18°33 | 26°26 | 16°10 | 26° 6 | 3°15 | 29°56 | 11°57 | 10°56 | 11°27 | 10°28 | 20°10 | 16°37 | W27 |
| T 28 | 11 0 40 | 17° 2'17 | 16°10 | 19°26 | 26° 8 | 16°37 | 25°58 | 3°23 | 29°53 | 11°59 | 10°56 | 11°D27 | 10°24 | 20°17 | 16°41 | T 28 |
| F 29 | 11 4 36 | 18♓ 1'58 | 28♊ 0 | 20♒22 | 25♒52 | 17♊ 5 | 25♍51 | 3♓30 | 29♌51 | 12♈ 1 | 10♉57 | 11♒27 | 10♒21 | 20♊24 | 16♒45 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 14s52 | 27n18 | 4n10 | 10s 6 | 3n37 | 1s15 | 7n 8 | 23n42 | 2n25 | 1n52 | 1n32 | 12s56 | 1s33 | 11n53 | 0n48 | 2n54 | 1s39 | 0n51 | 14s57 | 17s15 | 17s18 | 27n 5 | 10s36 | 6n 7 | F 1 |
| S 2 | 14 33 | 26 55 | 3 24 | 10 21 | 3 42 | 1 13 | 7 20 | 23 45 | 2 24 | 1 54 | 1 32 | 12 54 | 1 33 | 11 54 | 0 48 | 2 55 | 1 39 | 0 51 | 14 57 | 17 14 | 17 19 | 27 5 | 10 34 | 6 7 | S 2 |
| S 3 | 14 13 | 25 16 | 2 29 | 10 40 | 3 45 | 1 11 | 7 31 | 23 49 | 2 24 | 1 57 | 1 33 | 12 51 | 1 34 | 11 55 | 0 48 | 2 55 | 1 39 | 0 52 | 14 56 | 17 14 | 17 20 | 27 5 | 10 33 | 6 7 | S 3 |
| M 4 | 13 54 | 22 25 | 1 27 | 11 0 | 3 46 | 1 11 | 7 41 | 23 52 | 2 23 | 1 59 | 1 33 | 12 49 | 1 34 | 11 56 | 0 48 | 2 56 | 1 39 | 0 52 | 14 56 | 17 14 | 17 21 | 27 6 | 10 32 | 6 7 | M 4 |
| T 5 | 13 34 | 18 32 | 0 20 | 11 23 | 3 44 | 1 12 | 7 51 | 23 55 | 2 23 | 2 1 | 1 33 | 12 46 | 1 34 | 11 57 | 0 48 | 2 57 | 1 39 | 0 52 | 14 56 | 17 14 | 17 21 | 27 6 | 10 31 | 6 7 | T 5 |
| W 6 | 13 14 | 13 45 | 0s49 | 11 46 | 3 40 | 1 14 | 8 0 | 23 58 | 2 22 | 2 3 | 1 33 | 12 43 | 1 34 | 11 58 | 0 48 | 2 57 | 1 39 | 0 53 | 14 55 | 17 14 | 17 22 | 27 6 | 10 29 | 6 7 | W 6 |
| T 7 | 12 53 | 8 18 | 1 58 | 12 10 | 3 34 | 1 17 | 8 9 | 24 1 | 2 22 | 2 6 | 1 33 | 12 41 | 1 34 | 11 59 | 0 48 | 2 58 | 1 39 | 0 53 | 14 55 | 17 14 | 17 23 | 27 6 | 10 28 | 6 7 | T 7 |
| F 8 | 12 33 | 2 24 | 3 1 | 12 34 | 3 27 | 1 22 | 8 16 | 24 4 | 2 21 | 2 8 | 1 34 | 12 38 | 1 34 | 12 0 | 0 48 | 2 59 | 1 39 | 0 54 | 14 55 | 17 14 | 17 24 | 27 6 | 10 27 | 6 7 | F 8 |
| S 9 | 12 12 | 3s42 | 3 56 | 12 58 | 3 18 | 1 28 | 8 23 | 24 7 | 2 20 | 2 11 | 1 34 | 12 36 | 1 34 | 12 1 | 0 48 | 2 59 | 1 39 | 0 54 | 14 54 | 17 15 | 17 25 | 27 6 | 10 26 | 6 7 | S 9 |
| S 10 | 11 51 | 9 43 | 4 38 | 13 21 | 3 8 | 1 35 | 8 29 | 24 11 | 2 20 | 2 13 | 1 34 | 12 33 | 1 34 | 12 2 | 0 48 | 3 0 | 1 39 | 0 55 | 14 54 | 17 16 | 17 26 | 27 6 | 10 24 | 6 7 | S 10 |
| M11 | 11 30 | 15 21 | 5 5 | 13 42 | 2 56 | 1 44 | 8 34 | 24 14 | 2 19 | 2 16 | 1 34 | 12 31 | 1 34 | 12 2 | 0 48 | 3 1 | 1 39 | 0 55 | 14 54 | 17 16 | 17 27 | 27 6 | 10 23 | 6 7 | M11 |
| T 12 | 11 8 | 20 16 | 5 15 | 14 3 | 2 44 | 1 53 | 8 38 | 24 17 | 2 19 | 2 18 | 1 34 | 12 28 | 1 34 | 12 3 | 0 48 | 3 2 | 1 39 | 0 56 | 14 53 | 17 17 | 17 28 | 27 6 | 10 22 | 6 7 | T 12 |
| W13 | 10 47 | 24 8 | 5 7 | 14 22 | 2 31 | 2 3 | 8 42 | 24 20 | 2 18 | 2 21 | 1 35 | 12 25 | 1 34 | 12 4 | 0 48 | 3 2 | 1 39 | 0 56 | 14 53 | 17 17 | 17 29 | 27 6 | 10 21 | 6 7 | W13 |
| T 14 | 10 25 | 26 33 | 4 39 | 14 39 | 2 18 | 2 14 | 8 44 | 24 23 | 2 18 | 2 24 | 1 35 | 12 23 | 1 34 | 12 5 | 0 48 | 3 3 | 1 39 | 0 57 | 14 53 | 17 17 | 17 29 | 27 6 | 10 19 | 6 7 | T 14 |
| F 15 | 10 3 | 27 17 | 3 55 | 14 55 | 2 4 | 2 26 | 8 45 | 24 26 | 2 17 | 2 26 | 1 35 | 12 20 | 1 34 | 12 6 | 0 48 | 3 4 | 1 39 | 0 57 | 14 52 | 17 17 | 17 30 | 27 7 | 10 18 | 6 7 | F 15 |
| S 16 | 9 41 | 26 12 | 2 56 | 15 9 | 1 51 | 2 39 | 8 46 | 24 29 | 2 17 | 2 29 | 1 35 | 12 18 | 1 34 | 12 7 | 0 48 | 3 5 | 1 39 | 0 57 | 14 52 | 17 17 | 17 31 | 27 7 | 10 17 | 6 7 | S 16 |
| S 17 | 9 19 | 23 25 | 1 46 | 15 21 | 1 37 | 2 53 | 8 45 | 24 32 | 2 16 | 2 32 | 1 35 | 12 15 | 1 34 | 12 8 | 0 48 | 3 5 | 1 39 | 0 58 | 14 52 | 17 16 | 17 32 | 27 7 | 10 15 | 6 7 | S 17 |
| M18 | 8 57 | 19 11 | 0 30 | 15 31 | 1 23 | 3 7 | 8 43 | 24 34 | 2 16 | 2 35 | 1 35 | 12 12 | 1 34 | 12 9 | 0 48 | 3 6 | 1 39 | 0 58 | 14 52 | 17 16 | 17 33 | 27 7 | 10 14 | 6 7 | M18 |
| T 19 | 8 35 | 13 54 | 0n48 | 15 40 | 1 10 | 3 21 | 8 41 | 24 37 | 2 15 | 2 38 | 1 36 | 12 10 | 1 34 | 12 10 | 0 48 | 3 7 | 1 39 | 0 59 | 14 51 | 17 16 | 17 34 | 27 7 | 10 13 | 6 8 | T 19 |
| W20 | 8 12 | 7 59 | 2 1 | 15 46 | 0 57 | 3 36 | 8 37 | 24 40 | 2 14 | 2 41 | 1 36 | 12 7 | 1 34 | 12 11 | 0 48 | 3 8 | 1 39 | 0 59 | 14 51 | 17 16 | 17 35 | 27 7 | 10 12 | 6 8 | W20 |
| T 21 | 7 49 | 1 47 | 3 6 | 15 51 | 0 44 | 3 51 | 8 33 | 24 43 | 2 14 | 2 44 | 1 36 | 12 5 | 1 34 | 12 12 | 0 48 | 3 9 | 1 39 | 1 0 | 14 51 | 17 17 | 17 35 | 27 7 | 10 10 | 6 8 | T 21 |
| F 22 | 7 27 | 4n20 | 3 59 | 15 54 | 0 31 | 4 6 | 8 28 | 24 45 | 2 13 | 2 47 | 1 36 | 12 2 | 1 35 | 12 13 | 0 48 | 3 9 | 1 39 | 1 0 | 14 50 | 17 18 | 17 36 | 27 7 | 10 9 | 6 8 | F 22 |
| S 23 | 7 4 | 10 8 | 4 39 | 15 56 | 0 19 | 4 21 | 8 22 | 24 48 | 2 13 | 2 50 | 1 36 | 11 59 | 1 35 | 12 14 | 0 48 | 3 10 | 1 39 | 1 1 | 14 50 | 17 20 | 17 37 | 27 7 | 10 8 | 6 8 | S 23 |
| S 24 | 6 41 | 15 21 | 5 3 | 15 55 | 0 7 | 4 36 | 8 15 | 24 51 | 2 12 | 2 53 | 1 36 | 11 57 | 1 35 | 12 14 | 0 48 | 3 11 | 1 39 | 1 1 | 14 50 | 17 21 | 17 38 | 27 7 | 10 6 | 6 8 | S 24 |
| M25 | 6 18 | 19 48 | 5 12 | 15 53 | 0s 5 | 4 52 | 8 8 | 24 53 | 2 12 | 2 56 | 1 36 | 11 54 | 1 35 | 12 15 | 0 48 | 3 12 | 1 39 | 1 2 | 14 50 | 17 23 | 17 39 | 27 7 | 10 5 | 6 8 | M25 |
| T 26 | 5 55 | 23 20 | 5 7 | 15 50 | 0 16 | 5 7 | 8 0 | 24 56 | 2 11 | 2 59 | 1 36 | 11 52 | 1 35 | 12 16 | 0 48 | 3 13 | 1 39 | 1 2 | 14 49 | 17 24 | 17 40 | 27 7 | 10 4 | 6 8 | T 26 |
| W27 | 5 31 | 25 47 | 4 48 | 15 44 | 0 26 | 5 21 | 7 51 | 24 58 | 2 11 | 3 2 | 1 36 | 11 49 | 1 35 | 12 17 | 0 48 | 3 14 | 1 39 | 1 3 | 14 49 | 17 24 | 17 41 | 27 6 | 10 3 | 6 9 | W27 |
| T 28 | 5 8 | 27 3 | 4 17 | 15 37 | 0 37 | 5 36 | 7 42 | 25 0 | 2 10 | 3 5 | 1 37 | 11 47 | 1 35 | 12 18 | 0 48 | 3 14 | 1 39 | 1 3 | 14 49 | 17 24 | 17 42 | 27 6 | 10 1 | 6 9 | T 28 |
| F 29 | 4s45 | 27n 5 | 3n35 | 15s29 | 0s46 | 5s50 | 7n33 | 25n 2 | 2n10 | 3n 8 | 1n37 | 11s44 | 1s35 | 12n19 | 0n48 | 3n15 | 1s39 | 1n 4 | 14s48 | 17s24 | 17s42 | 27n 6 | 10s 0 | 6n 9 | F 29 |

Julian Day Number = 2223672.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'14, Lahiri = 15°09'15 Julian Calendar 1 Feb. 1376 == Greg. Calendar 9 Feb. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## MARCH 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 8 33 | 19♓ 1'36 | 9♋53 | 21♒22 | 25°R39 | 17♊32 | 25°R43 | 3♓37 | 29°R48 | 12♈ 3 | 10♉58 | 11♒28 | 10♒18 | 20♊30 | 16♒49 | S 1 |
| S 2 | 11 12 30 | 20° 1'11 | 21°54 | 22°24 | 25♒29 | 18° 0 | 25♍35 | 3°44 | 29♌46 | 12° 5 | 10°59 | 11°30 | 10°15 | 20°37 | 16°53 | S 2 |
| M 3 | 11 16 26 | 21° 0'45 | 4♌ 6 | 23°28 | 25°21 | 18°28 | 25°28 | 3°51 | 29°44 | 12° 7 | 11° 0 | 11°31 | 10°12 | 20°44 | 16°57 | M 3 |
| T 4 | 11 20 23 | 22° 0'16 | 16°34 | 24°35 | 25°15 | 18°57 | 25°20 | 3°59 | 29°41 | 12° 9 | 11° 1 | 11°R32 | 10° 8 | 20°50 | 17° 0 | T 4 |
| W 5 | 11 24 19 | 22°59'45 | 29°20 | 25°44 | 25°12 | 19°25 | 25°12 | 4° 6 | 29°39 | 12°12 | 11° 2 | 11°30 | 10° 5 | 20°57 | 17° 4 | W 5 |
| T 6 | 11 28 16 | 23°59'12 | 12♍27 | 26°55 | 25°D11 | 19°54 | 25° 4 | 4°13 | 29°37 | 12°14 | 11° 3 | 11°26 | 10° 2 | 21° 4 | 17° 8 | T 6 |
| F 7 | 11 32 12 | 24°58'36 | 25°54 | 28° 8 | 25°12 | 20°23 | 24°57 | 4°20 | 29°34 | 12°16 | 11° 4 | 11°21 | 9°59 | 21°10 | 17°11 | F 7 |
| S 8 | 11 36 9 | 25°57'59 | 9♎38 | 29°24 | 25°16 | 20°51 | 24°49 | 4°27 | 29°32 | 12°18 | 11° 5 | 11°14 | 9°56 | 21°17 | 17°15 | S 8 |
| S 9 | 11 40 5 | 26°57'19 | 23°38 | 0♓41 | 25°22 | 21°21 | 24°41 | 4°34 | 29°30 | 12°20 | 11° 6 | 11° 7 | 9°53 | 21°24 | 17°18 | S 9 |
| M10 | 11 44 2 | 27°56'38 | 7♏48 | 2° 0 | 25°31 | 21°50 | 24°33 | 4°41 | 29°27 | 12°22 | 11° 7 | 10°59 | 9°49 | 21°31 | 17°22 | M10 |
| T 11 | 11 47 59 | 28°55'54 | 22° 3 | 3°21 | 25°42 | 22°19 | 24°26 | 4°48 | 29°25 | 12°25 | 11° 8 | 10°53 | 9°46 | 21°37 | 17°25 | T 11 |
| W12 | 11 51 55 | 29°55'09 | 6♐20 | 4°43 | 25°54 | 22°49 | 24°18 | 4°55 | 29°23 | 12°27 | 11° 9 | 10°49 | 9°43 | 21°44 | 17°29 | W12 |
| T 13 | 11 55 52 | 0♈54'23 | 20°34 | 6° 7 | 26° 9 | 23°18 | 24°10 | 5° 2 | 29°21 | 12°29 | 11°10 | 10°46 | 9°40 | 21°51 | 17°32 | T 13 |
| F 14 | 11 59 48 | 1°53'34 | 4♑43 | 7°33 | 26°26 | 23°48 | 24° 3 | 5° 9 | 29°19 | 12°31 | 11°11 | 10°D46 | 9°37 | 21°57 | 17°36 | F 14 |
| S 15 | 12 3 45 | 2°52'44 | 18°47 | 9° 1 | 26°45 | 24°18 | 23°55 | 5°15 | 29°17 | 12°34 | 11°12 | 10°47 | 9°33 | 22° 4 | 17°39 | S 15 |
| S 16 | 12 7 41 | 3°51'52 | 2♒43 | 10°30 | 27° 6 | 24°48 | 23°47 | 5°22 | 29°15 | 12°36 | 11°13 | 10°48 | 9°30 | 22°11 | 17°42 | S 16 |
| M17 | 12 11 38 | 4°50'58 | 16°31 | 12° 0 | 27°28 | 25°18 | 23°40 | 5°29 | 29°13 | 12°38 | 11°14 | 10°R48 | 9°27 | 22°17 | 17°46 | M17 |
| T 18 | 12 15 34 | 5°50'02 | 0♓11 | 13°32 | 27°53 | 25°49 | 23°32 | 5°36 | 29°11 | 12°40 | 11°16 | 10°46 | 9°24 | 22°24 | 17°49 | T 18 |
| W19 | 12 19 31 | 6°49'05 | 13°42 | 15° 6 | 28°19 | 26°19 | 23°25 | 5°42 | 29° 9 | 12°43 | 11°17 | 10°42 | 9°21 | 22°31 | 17°52 | W19 |
| T 20 | 12 23 28 | 7°48'05 | 27° 1 | 16°41 | 28°46 | 26°50 | 23°18 | 5°49 | 29° 7 | 12°45 | 11°18 | 10°35 | 9°18 | 22°37 | 17°55 | T 20 |
| F 21 | 12 27 24 | 8°47'03 | 10♈ 7 | 18°18 | 29°16 | 27°20 | 23°10 | 5°56 | 29° 5 | 12°47 | 11°19 | 10°26 | 9°14 | 22°44 | 17°58 | F 21 |
| S 22 | 12 31 21 | 9°46'00 | 23° 0 | 19°56 | 29°46 | 27°51 | 23° 3 | 6° 2 | 29° 3 | 12°49 | 11°20 | 10°16 | 9°11 | 22°51 | 18° 1 | S 22 |
| S 23 | 12 35 17 | 10°44'54 | 5♉37 | 21°36 | 0♓18 | 28°22 | 22°56 | 6° 9 | 29° 2 | 12°52 | 11°21 | 10° 5 | 9° 8 | 22°57 | 18° 4 | S 23 |
| M24 | 12 39 14 | 11°43'46 | 18° 0 | 23°17 | 0°52 | 28°53 | 22°49 | 6°15 | 29° 0 | 12°54 | 11°23 | 9°54 | 9° 5 | 23° 4 | 18° 7 | M24 |
| T 25 | 12 43 10 | 12°42'36 | 0♊10 | 25° 0 | 1°26 | 29°24 | 22°42 | 6°22 | 28°58 | 12°56 | 11°24 | 9°45 | 9° 2 | 23°11 | 18°10 | T 25 |
| W26 | 12 47 7 | 13°41'24 | 12°10 | 26°44 | 2° 3 | 29°56 | 22°35 | 6°28 | 28°57 | 12°58 | 11°25 | 9°38 | 8°59 | 23°18 | 18°13 | W26 |
| T 27 | 12 51 3 | 14°40'10 | 24° 2 | 28°30 | 2°40 | 0♋27 | 22°28 | 6°34 | 28°55 | 13° 1 | 11°26 | 9°33 | 8°55 | 23°24 | 18°16 | T 27 |
| F 28 | 12 55 0 | 15°38'53 | 5♋52 | 0♈18 | 3°18 | 0°58 | 22°22 | 6°41 | 28°54 | 13° 3 | 11°27 | 9°31 | 8°52 | 23°31 | 18°19 | F 28 |
| S 29 | 12 58 57 | 16°37'34 | 17°43 | 2° 7 | 3°58 | 1°30 | 22°15 | 6°47 | 28°52 | 13° 5 | 11°29 | 9°D31 | 8°49 | 23°38 | 18°21 | S 29 |
| S 30 | 13 2 53 | 17°36'13 | 29°43 | 3°57 | 4°39 | 2° 2 | 22° 9 | 6°53 | 28°51 | 13° 7 | 11°30 | 9°31 | 8°46 | 23°44 | 18°24 | S 30 |
| M31 | 13 6 50 | 18♈34'49 | 11♌55 | 5♈49 | 5♓20 | 2♋33 | 22♍ 2 | 6♓59 | 28♌49 | 13♈10 | 11♉31 | 9°R31 | 8♒43 | 23♊51 | 18♒27 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 4s21 | 25n52 | 2n44 | 15s19 | 0s56 | 6s 4 | 7n23 | 25n 5 | 2n 9 | 3n11 | 1n37 | 11s42 | 1s35 | 12n20 | 0n48 | 3n16 | 1s39 | 1n 4 | 14s48 | 17s24 | 17s43 | 27n 6 | 9s59 | 6n 9 | S 1 |
| S 2 | 3 58 | 23 28 | 1 45 | 15 7 | 1 5 | 6 17 | 7 12 | 25 7 | 2 8 | 3 14 | 1 37 | 11 39 | 1 35 | 12 20 | 0 48 | 3 17 | 1 39 | 1 5 | 14 48 | 17 23 | 17 44 | 27 6 | 9 58 | 6 9 | S 2 |
| M 3 | 3 34 | 19 57 | 0 40 | 14 54 | 1 13 | 6 29 | 7 2 | 25 9 | 2 8 | 3 17 | 1 37 | 11 36 | 1 35 | 12 21 | 0 48 | 3 18 | 1 39 | 1 5 | 14 48 | 17 23 | 17 45 | 27 6 | 9 56 | 6 9 | M 3 |
| T 4 | 3 11 | 15 30 | 0s27 | 14 39 | 1 21 | 6 42 | 6 51 | 25 10 | 2 7 | 3 21 | 1 37 | 11 34 | 1 35 | 12 22 | 0 48 | 3 19 | 1 39 | 1 6 | 14 47 | 17 23 | 17 46 | 27 6 | 9 55 | 6 10 | T 4 |
| W 5 | 2 47 | 10 15 | 1 35 | 14 23 | 1 29 | 6 53 | 6 40 | 25 12 | 2 7 | 3 24 | 1 37 | 11 31 | 1 36 | 12 23 | 0 48 | 3 19 | 1 38 | 1 6 | 14 47 | 17 24 | 17 47 | 27 6 | 9 54 | 6 10 | W 5 |
| T 6 | 2 24 | 4 27 | 2 40 | 14 5 | 1 36 | 7 4 | 6 29 | 25 14 | 2 6 | 3 27 | 1 37 | 11 29 | 1 36 | 12 24 | 0 48 | 3 20 | 1 38 | 1 7 | 14 47 | 17 25 | 17 48 | 27 6 | 9 52 | 6 10 | T 6 |
| F 7 | 2 0 | 1s41 | 3 37 | 13 46 | 1 42 | 7 14 | 6 17 | 25 16 | 2 6 | 3 30 | 1 37 | 11 26 | 1 36 | 12 25 | 0 48 | 3 21 | 1 38 | 1 8 | 14 47 | 17 26 | 17 48 | 27 6 | 9 51 | 6 10 | F 7 |
| S 8 | 1 37 | 7 51 | 4 23 | 13 25 | 1 49 | 7 24 | 6 6 | 25 17 | 2 5 | 3 33 | 1 37 | 11 24 | 1 36 | 12 25 | 0 48 | 3 22 | 1 38 | 1 8 | 14 46 | 17 28 | 17 49 | 27 6 | 9 50 | 6 10 | S 8 |
| S 9 | 1 13 | 13 45 | 4 54 | 13 3 | 1 54 | 7 33 | 5 54 | 25 19 | 2 5 | 3 36 | 1 37 | 11 22 | 1 36 | 12 26 | 0 48 | 3 23 | 1 38 | 1 9 | 14 46 | 17 30 | 17 50 | 27 5 | 9 49 | 6 11 | S 9 |
| M10 | 0 49 | 18 59 | 5 7 | 12 40 | 2 0 | 7 41 | 5 42 | 25 20 | 2 4 | 3 39 | 1 37 | 11 19 | 1 36 | 12 27 | 0 48 | 3 24 | 1 38 | 1 9 | 14 46 | 17 32 | 17 51 | 27 5 | 9 47 | 6 11 | M10 |
| T 11 | 0 26 | 23 12 | 5 2 | 12 15 | 2 4 | 7 48 | 5 31 | 25 21 | 2 3 | 3 42 | 1 37 | 11 17 | 1 36 | 12 28 | 0 48 | 3 25 | 1 38 | 1 10 | 14 46 | 17 34 | 17 52 | 27 5 | 9 46 | 6 11 | T 11 |
| W12 | 0 2 | 26 0 | 4 38 | 11 48 | 2 9 | 7 55 | 5 19 | 25 22 | 2 3 | 3 45 | 1 37 | 11 14 | 1 36 | 12 28 | 0 48 | 3 26 | 1 38 | 1 10 | 14 45 | 17 35 | 17 53 | 27 5 | 9 45 | 6 11 | W12 |
| T 13 | 0n22 | 27 7 | 3 57 | 11 21 | 2 12 | 8 1 | 5 8 | 25 23 | 2 2 | 3 48 | 1 37 | 11 12 | 1 36 | 12 29 | 0 48 | 3 26 | 1 38 | 1 11 | 14 45 | 17 36 | 17 54 | 27 5 | 9 44 | 6 11 | T 13 |
| F 14 | 0 45 | 26 28 | 3 2 | 10 52 | 2 16 | 8 6 | 4 56 | 25 24 | 2 2 | 3 51 | 1 37 | 11 9 | 1 37 | 12 30 | 0 48 | 3 27 | 1 38 | 1 11 | 14 45 | 17 36 | 17 54 | 27 5 | 9 43 | 6 12 | F 14 |
| S 15 | 1 9 | 24 7 | 1 56 | 10 22 | 2 19 | 8 11 | 4 45 | 25 25 | 2 1 | 3 54 | 1 37 | 11 7 | 1 37 | 12 30 | 0 48 | 3 28 | 1 38 | 1 12 | 14 45 | 17 35 | 17 55 | 27 4 | 9 41 | 6 12 | S 15 |
| S 16 | 1 32 | 20 19 | 0 43 | 9 50 | 2 21 | 8 14 | 4 33 | 25 26 | 2 1 | 3 57 | 1 37 | 11 5 | 1 37 | 12 31 | 0 48 | 3 29 | 1 38 | 1 12 | 14 45 | 17 35 | 17 56 | 27 4 | 9 40 | 6 12 | S 16 |
| M17 | 1 56 | 15 27 | 0n31 | 9 17 | 2 23 | 8 17 | 4 22 | 25 26 | 2 0 | 4 0 | 1 37 | 11 2 | 1 37 | 12 32 | 0 48 | 3 30 | 1 38 | 1 13 | 14 44 | 17 35 | 17 57 | 27 4 | 9 39 | 6 12 | M17 |
| T 18 | 2 19 | 9 51 | 1 42 | 8 43 | 2 24 | 8 20 | 4 11 | 25 27 | 2 0 | 4 3 | 1 37 | 11 0 | 1 37 | 12 33 | 0 48 | 3 31 | 1 38 | 1 13 | 14 44 | 17 36 | 17 58 | 27 4 | 9 38 | 6 13 | T 18 |
| W19 | 2 43 | 3 52 | 2 47 | 8 7 | 2 25 | 8 21 | 4 0 | 25 27 | 1 59 | 4 6 | 1 37 | 10 57 | 1 37 | 12 33 | 0 48 | 3 32 | 1 38 | 1 14 | 14 44 | 17 37 | 17 59 | 27 4 | 9 37 | 6 13 | W19 |
| T 20 | 3 6 | 2n11 | 3 41 | 7 30 | 2 26 | 8 22 | 3 49 | 25 28 | 1 59 | 4 9 | 1 37 | 10 55 | 1 37 | 12 34 | 0 48 | 3 33 | 1 38 | 1 14 | 14 44 | 17 39 | 17 59 | 27 3 | 9 35 | 6 13 | T 20 |
| F 21 | 3 30 | 8 3 | 4 23 | 6 53 | 2 26 | 8 22 | 3 38 | 25 28 | 1 58 | 4 12 | 1 37 | 10 53 | 1 38 | 12 34 | 0 48 | 3 33 | 1 38 | 1 15 | 14 44 | 17 41 | 18 0 | 27 3 | 9 34 | 6 13 | F 21 |
| S 22 | 3 53 | 13 27 | 4 50 | 6 13 | 2 25 | 8 21 | 3 27 | 25 28 | 1 58 | 4 15 | 1 37 | 10 50 | 1 38 | 12 35 | 0 48 | 3 34 | 1 38 | 1 15 | 14 43 | 17 44 | 18 1 | 27 3 | 9 33 | 6 14 | S 22 |
| S 23 | 4 16 | 18 11 | 5 3 | 5 33 | 2 24 | 8 20 | 3 17 | 25 28 | 1 57 | 4 17 | 1 37 | 10 48 | 1 38 | 12 36 | 0 48 | 3 35 | 1 38 | 1 16 | 14 43 | 17 47 | 18 2 | 27 3 | 9 32 | 6 14 | S 23 |
| M24 | 4 39 | 22 4 | 5 1 | 4 51 | 2 22 | 8 18 | 3 6 | 25 28 | 1 56 | 4 20 | 1 36 | 10 46 | 1 38 | 12 36 | 0 47 | 3 36 | 1 38 | 1 16 | 14 43 | 17 50 | 18 3 | 27 2 | 9 31 | 6 14 | M24 |
| T 25 | 5 2 | 24 54 | 4 45 | 4 8 | 2 20 | 8 15 | 2 56 | 25 27 | 1 56 | 4 23 | 1 36 | 10 44 | 1 38 | 12 37 | 0 47 | 3 37 | 1 38 | 1 17 | 14 43 | 17 52 | 18 4 | 27 2 | 9 30 | 6 14 | T 25 |
| W26 | 5 25 | 26 34 | 4 17 | 3 25 | 2 18 | 8 12 | 2 46 | 25 27 | 1 55 | 4 26 | 1 36 | 10 41 | 1 38 | 12 37 | 0 47 | 3 38 | 1 38 | 1 17 | 14 43 | 17 54 | 18 5 | 27 2 | 9 28 | 6 15 | W26 |
| T 27 | 5 48 | 27 1 | 3 38 | 2 39 | 2 15 | 8 8 | 2 36 | 25 26 | 1 55 | 4 28 | 1 36 | 10 39 | 1 38 | 12 38 | 0 47 | 3 39 | 1 38 | 1 18 | 14 43 | 17 55 | 18 5 | 27 2 | 9 27 | 6 15 | T 27 |
| F 28 | 6 11 | 26 13 | 2 49 | 1 53 | 2 11 | 8 3 | 2 26 | 25 25 | 1 54 | 4 31 | 1 36 | 10 37 | 1 39 | 12 38 | 0 47 | 3 40 | 1 38 | 1 18 | 14 42 | 17 56 | 18 6 | 27 1 | 9 26 | 6 15 | F 28 |
| S 29 | 6 33 | 24 13 | 1 53 | 1 6 | 2 7 | 7 58 | 2 17 | 25 25 | 1 54 | 4 33 | 1 36 | 10 35 | 1 39 | 12 39 | 0 47 | 3 40 | 1 38 | 1 19 | 14 42 | 17 56 | 18 7 | 27 1 | 9 25 | 6 16 | S 29 |
| S 30 | 6 56 | 21 8 | 0 52 | 0 18 | 2 2 | 7 52 | 2 7 | 25 24 | 1 53 | 4 36 | 1 36 | 10 33 | 1 39 | 12 39 | 0 47 | 3 41 | 1 38 | 1 19 | 14 42 | 17 56 | 18 8 | 27 1 | 9 24 | 6 16 | S 30 |
| M31 | 7n18 | 17n 4 | 0s13 | 0n31 | 1s57 | 7s45 | 1n58 | 25n23 | 1n53 | 4n38 | 1n36 | 10s30 | 1s39 | 12n40 | 0n47 | 3n42 | 1s38 | 1n20 | 14s42 | 17s56 | 18s 9 | 27n 1 | 9s23 | 6n16 | M31 |

Julian Day Number = 2223701.5, Delta T = 08m30s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'18, Lahiri = 15°09'19 Julian Calendar 1 March 1376 == Greg. Calendar 9 March 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## APRIL 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 10 46 | 19♈33'24 | 24♌25 | 7♈43 | 6♓ 3 | 3♋ 5 | 21°R56 | 7♓ 5 | 28°R48 | 13♈12 | 11♉32 | 9°R30 | 8♒39 | 23♊58 | 18♒29 | T 1 |
| W 2 | 13 14 43 | 20°31'56 | 7♍17 | 9°38 | 6°47 | 3°37 | 21♍50 | 7°11 | 28♌46 | 13°14 | 11°34 | 9♒27 | 8°36 | 24° 4 | 18°32 | W 2 |
| T 3 | 13 18 39 | 21°30'26 | 20°34 | 11°35 | 7°31 | 4° 9 | 21°44 | 7°17 | 28°45 | 13°16 | 11°35 | 9°22 | 8°33 | 24°11 | 18°34 | T 3 |
| F 4 | 13 22 36 | 22°28'54 | 4♎16 | 13°33 | 8°17 | 4°41 | 21°38 | 7°23 | 28°44 | 13°19 | 11°36 | 9°14 | 8°30 | 24°18 | 18°37 | F 4 |
| S 5 | 13 26 32 | 23°27'19 | 18°22 | 15°33 | 9° 3 | 5°14 | 21°33 | 7°29 | 28°43 | 13°21 | 11°38 | 9° 4 | 8°27 | 24°24 | 18°39 | S 5 |
| S 6 | 13 30 29 | 24°25'43 | 2♏46 | 17°35 | 9°50 | 5°46 | 21°27 | 7°35 | 28°42 | 13°23 | 11°39 | 8°53 | 8°24 | 24°31 | 18°41 | S 6 |
| M 7 | 13 34 25 | 25°24'06 | 17°24 | 19°37 | 10°38 | 6°18 | 21°22 | 7°41 | 28°41 | 13°25 | 11°40 | 8°42 | 8°20 | 24°38 | 18°44 | M 7 |
| T 8 | 13 38 22 | 26°22'26 | 2♐ 6 | 21°42 | 11°27 | 6°51 | 21°16 | 7°46 | 28°39 | 13°28 | 11°41 | 8°32 | 8°17 | 24°44 | 18°46 | T 8 |
| W 9 | 13 42 19 | 27°20'45 | 16°45 | 23°47 | 12°17 | 7°23 | 21°11 | 7°52 | 28°38 | 13°30 | 11°43 | 8°25 | 8°14 | 24°51 | 18°48 | W 9 |
| T 10 | 13 46 15 | 28°19'02 | 1♑16 | 25°53 | 13° 7 | 7°56 | 21° 6 | 7°58 | 28°38 | 13°32 | 11°44 | 8°20 | 8°11 | 24°58 | 18°50 | T 10 |
| F 11 | 13 50 12 | 29°17'18 | 15°34 | 28° 1 | 13°58 | 8°29 | 21° 1 | 8° 3 | 28°37 | 13°34 | 11°45 | 8°18 | 8° 8 | 25° 4 | 18°52 | F 11 |
| S 12 | 13 54 8 | 0♒15'32 | 29°37 | 0♒ 9 | 14°49 | 9° 1 | 20°57 | 8° 9 | 28°36 | 13°36 | 11°47 | 8°18 | 8° 5 | 25°11 | 18°54 | S 12 |
| S 13 | 13 58 5 | 1°13'45 | 13♒26 | 2°18 | 15°42 | 9°34 | 20°52 | 8°14 | 28°35 | 13°39 | 11°48 | 8°18 | 8° 1 | 25°18 | 18°56 | S 13 |
| M14 | 14 2 1 | 2°11'56 | 26°59 | 4°28 | 16°34 | 10° 7 | 20°48 | 8°19 | 28°34 | 13°41 | 11°49 | 8°17 | 7°58 | 25°24 | 18°58 | M14 |
| T 15 | 14 5 58 | 3°10'06 | 10♓20 | 6°37 | 17°28 | 10°40 | 20°43 | 8°25 | 28°34 | 13°43 | 11°51 | 8°14 | 7°55 | 25°31 | 19° 0 | T 15 |
| W16 | 14 9 54 | 4° 8'14 | 23°29 | 8°47 | 18°22 | 11°13 | 20°39 | 8°30 | 28°33 | 13°45 | 11°52 | 8° 9 | 7°52 | 25°38 | 19° 2 | W16 |
| T 17 | 14 13 51 | 5° 6'21 | 6♈26 | 10°56 | 19°16 | 11°47 | 20°35 | 8°35 | 28°32 | 13°47 | 11°53 | 8° 0 | 7°49 | 25°45 | 19° 3 | T 17 |
| F 18 | 14 17 48 | 6° 4'26 | 19°12 | 13° 5 | 20°11 | 12°20 | 20°32 | 8°40 | 28°32 | 13°49 | 11°55 | 7°49 | 7°45 | 25°51 | 19° 5 | F 18 |
| S 19 | 14 21 44 | 7° 2'29 | 1♉47 | 15°12 | 21° 7 | 12°53 | 20°28 | 8°45 | 28°31 | 13°52 | 11°56 | 7°36 | 7°42 | 25°58 | 19° 7 | S 19 |
| S 20 | 14 25 41 | 8° 0'31 | 14°10 | 17°18 | 22° 3 | 13°27 | 20°25 | 8°50 | 28°31 | 13°54 | 11°57 | 7°22 | 7°39 | 26° 5 | 19° 8 | S 20 |
| M21 | 14 29 37 | 8°58'32 | 26°24 | 19°23 | 22°59 | 14° 0 | 20°22 | 8°55 | 28°31 | 13°56 | 11°59 | 7° 9 | 7°36 | 26°11 | 19°10 | M21 |
| T 22 | 14 33 34 | 9°56'30 | 8♊27 | 21°26 | 23°56 | 14°34 | 20°18 | 9° 0 | 28°30 | 13°58 | 12° 0 | 6°57 | 7°33 | 26°18 | 19°11 | T 22 |
| W23 | 14 37 30 | 10°54'27 | 20°22 | 23°27 | 24°53 | 15° 7 | 20°16 | 9° 4 | 28°30 | 14° 0 | 12° 2 | 6°48 | 7°30 | 26°25 | 19°13 | W23 |
| T 24 | 14 41 27 | 11°52'23 | 2♋12 | 25°25 | 25°51 | 15°41 | 20°13 | 9° 9 | 28°30 | 14° 2 | 12° 3 | 6°41 | 7°26 | 26°31 | 19°14 | T 24 |
| F 25 | 14 45 23 | 12°50'16 | 14° 0 | 27°22 | 26°49 | 16°15 | 20°10 | 9°14 | 28°30 | 14° 4 | 12° 4 | 6°38 | 7°23 | 26°38 | 19°15 | F 25 |
| S 26 | 14 49 20 | 13°48'08 | 25°50 | 29°15 | 27°48 | 16°48 | 20° 8 | 9°18 | 28°29 | 14° 6 | 12° 6 | 6°36 | 7°20 | 26°45 | 19°16 | S 26 |
| S 27 | 14 53 17 | 14°45'58 | 7♌48 | 1♊ 6 | 28°47 | 17°22 | 20° 6 | 9°23 | 28°29 | 14° 8 | 12° 7 | 6°36 | 7°17 | 26°51 | 19°17 | S 27 |
| M28 | 14 57 13 | 15°43'46 | 19°58 | 2°53 | 29°46 | 17°56 | 20° 4 | 9°27 | 28°D29 | 14°10 | 12° 8 | 6°36 | 7°14 | 26°58 | 19°19 | M28 |
| T 29 | 15 1 10 | 16°41'32 | 2♍27 | 4°38 | 0♈46 | 18°30 | 20° 2 | 9°31 | 28°29 | 14°12 | 12°10 | 6°35 | 7°10 | 27° 5 | 19°20 | T 29 |
| W30 | 15 5 6 | 17♉39'17 | 15♍18 | 6♊20 | 1♈45 | 19♋ 4 | 20♍ 1 | 9♓35 | 28♌30 | 14♈14 | 12♉11 | 6♒32 | 7♒ 7 | 27♊11 | 19♒21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n41 | 12n12 | 1s18 | 1n22 | 1s52 | 7s38 | 1n49 | 25n21 | 1n52 | 4n40 | 1n36 | 10s28 | 1s39 | 12n40 | 0n47 | 3n43 | 1s38 | 1n20 | 14s42 | 17s56 | 18s10 | 27n 0 | 9s22 | 6n16 |
| W 2 | 8 3 | 6 40 | 2 22 | 2 13 | 1 46 | 7 30 | 1 40 | 25 20 | 1 52 | 4 43 | 1 35 | 10 26 | 1 39 | 12 41 | 0 47 | 3 44 | 1 38 | 1 21 | 14 42 | 17 57 | 18 10 | 27 0 | 9 21 | 6 17 |
| T 3 | 8 25 | 0 42 | 3 20 | 3 5 | 1 39 | 7 22 | 1 31 | 25 19 | 1 51 | 4 45 | 1 35 | 10 24 | 1 39 | 12 41 | 0 47 | 3 45 | 1 38 | 1 21 | 14 42 | 17 58 | 18 11 | 27 0 | 9 20 | 6 17 |
| F 4 | 8 47 | 5s29 | 4 8 | 3 58 | 1 32 | 7 13 | 1 23 | 25 17 | 1 51 | 4 47 | 1 35 | 10 22 | 1 40 | 12 42 | 0 47 | 3 46 | 1 38 | 1 22 | 14 41 | 18 1 | 18 12 | 26 59 | 9 19 | 6 17 |
| S 5 | 9 8 | 11 34 | 4 42 | 4 51 | 1 24 | 7 3 | 1 15 | 25 15 | 1 50 | 4 49 | 1 35 | 10 20 | 1 40 | 12 42 | 0 47 | 3 47 | 1 38 | 1 22 | 14 41 | 18 3 | 18 13 | 26 59 | 9 18 | 6 18 |
| S 6 | 9 30 | 17 9 | 4 59 | 5 45 | 1 16 | 6 53 | 1 6 | 25 13 | 1 50 | 4 51 | 1 35 | 10 18 | 1 40 | 12 42 | 0 47 | 3 47 | 1 38 | 1 23 | 14 41 | 18 6 | 18 14 | 26 59 | 9 17 | 6 18 |
| M 7 | 9 51 | 21 50 | 4 58 | 6 40 | 1 8 | 6 42 | 0 58 | 25 11 | 1 49 | 4 53 | 1 35 | 10 16 | 1 40 | 12 43 | 0 47 | 3 48 | 1 38 | 1 23 | 14 41 | 18 9 | 18 15 | 26 58 | 9 16 | 6 18 |
| T 8 | 10 13 | 25 10 | 4 36 | 7 35 | 0 59 | 6 31 | 0 50 | 25 9 | 1 49 | 4 55 | 1 35 | 10 14 | 1 40 | 12 43 | 0 47 | 3 49 | 1 39 | 1 24 | 14 41 | 18 11 | 18 15 | 26 58 | 9 15 | 6 19 |
| W 9 | 10 34 | 26 47 | 3 57 | 8 30 | 0 49 | 6 19 | 0 43 | 25 7 | 1 48 | 4 57 | 1 34 | 10 12 | 1 40 | 12 43 | 0 47 | 3 50 | 1 39 | 1 24 | 14 41 | 18 13 | 18 16 | 26 57 | 9 14 | 6 19 |
| T 10 | 10 55 | 26 33 | 3 2 | 9 25 | 0 40 | 6 7 | 0 35 | 25 4 | 1 48 | 4 59 | 1 34 | 10 10 | 1 41 | 12 44 | 0 47 | 3 51 | 1 39 | 1 25 | 14 41 | 18 14 | 18 17 | 26 57 | 9 13 | 6 19 |
| F 11 | 11 16 | 24 33 | 1 57 | 10 21 | 0 30 | 5 54 | 0 28 | 25 2 | 1 47 | 5 1 | 1 34 | 10 8 | 1 41 | 12 44 | 0 47 | 3 52 | 1 39 | 1 25 | 14 41 | 18 15 | 18 18 | 26 57 | 9 12 | 6 20 |
| S 12 | 11 36 | 21 3 | 0 46 | 11 16 | 0 20 | 5 41 | 0 21 | 24 59 | 1 46 | 5 2 | 1 34 | 10 6 | 1 41 | 12 44 | 0 47 | 3 52 | 1 39 | 1 26 | 14 41 | 18 15 | 18 19 | 26 56 | 9 11 | 6 20 |
| S 13 | 11 57 | 16 25 | 0n27 | 12 10 | 0 9 | 5 27 | 0 14 | 24 56 | 1 46 | 5 4 | 1 34 | 10 4 | 1 41 | 12 44 | 0 47 | 3 53 | 1 39 | 1 26 | 14 40 | 18 15 | 18 19 | 26 56 | 9 10 | 6 20 |
| M14 | 12 17 | 11 2 | 1 37 | 13 5 | 0n 1 | 5 13 | 0 7 | 24 53 | 1 45 | 5 5 | 1 33 | 10 3 | 1 41 | 12 45 | 0 47 | 3 54 | 1 39 | 1 27 | 14 40 | 18 15 | 18 20 | 26 56 | 9 9 | 6 21 |
| T 15 | 12 37 | 5 14 | 2 41 | 13 58 | 0 12 | 4 58 | 0 0 | 24 50 | 1 45 | 5 7 | 1 33 | 10 1 | 1 42 | 12 45 | 0 47 | 3 55 | 1 39 | 1 27 | 14 40 | 18 16 | 18 21 | 26 55 | 9 8 | 6 21 |
| W16 | 12 57 | 0n41 | 3 34 | 14 50 | 0 23 | 4 43 | 0s 6 | 24 47 | 1 44 | 5 8 | 1 33 | 9 59 | 1 42 | 12 45 | 0 47 | 3 56 | 1 39 | 1 28 | 14 40 | 18 18 | 18 22 | 26 55 | 9 7 | 6 21 |
| T 17 | 13 16 | 6 29 | 4 16 | 15 41 | 0 33 | 4 27 | 0 13 | 24 43 | 1 44 | 5 10 | 1 33 | 9 57 | 1 42 | 12 45 | 0 47 | 3 57 | 1 39 | 1 28 | 14 40 | 18 20 | 18 23 | 26 54 | 9 7 | 6 22 |
| F 18 | 13 36 | 11 55 | 4 44 | 16 31 | 0 44 | 4 11 | 0 19 | 24 40 | 1 43 | 5 11 | 1 33 | 9 55 | 1 42 | 12 45 | 0 47 | 3 57 | 1 39 | 1 28 | 14 40 | 18 23 | 18 24 | 26 54 | 9 6 | 6 22 |
| S 19 | 13 55 | 16 47 | 4 58 | 17 19 | 0 54 | 3 55 | 0 25 | 24 36 | 1 43 | 5 12 | 1 32 | 9 54 | 1 42 | 12 45 | 0 47 | 3 58 | 1 39 | 1 29 | 14 40 | 18 26 | 18 24 | 26 53 | 9 5 | 6 22 |
| S 20 | 14 14 | 20 53 | 4 58 | 18 5 | 1 4 | 3 38 | 0 30 | 24 32 | 1 42 | 5 13 | 1 32 | 9 52 | 1 43 | 12 46 | 0 47 | 3 59 | 1 39 | 1 29 | 14 40 | 18 30 | 18 25 | 26 53 | 9 4 | 6 23 |
| M21 | 14 32 | 24 0 | 4 43 | 18 49 | 1 14 | 3 21 | 0 36 | 24 28 | 1 42 | 5 14 | 1 32 | 9 50 | 1 43 | 12 46 | 0 47 | 4 0 | 1 39 | 1 30 | 14 40 | 18 33 | 18 26 | 26 52 | 9 3 | 6 23 |
| T 22 | 14 51 | 26 0 | 4 16 | 19 31 | 1 23 | 3 3 | 0 42 | 24 24 | 1 41 | 5 15 | 1 32 | 9 49 | 1 43 | 12 46 | 0 46 | 4 1 | 1 39 | 1 30 | 14 40 | 18 36 | 18 27 | 26 52 | 9 3 | 6 23 |
| W23 | 15 9 | 26 48 | 3 38 | 20 11 | 1 32 | 2 45 | 0 47 | 24 20 | 1 41 | 5 16 | 1 32 | 9 47 | 1 43 | 12 46 | 0 46 | 4 1 | 1 39 | 1 31 | 14 40 | 18 38 | 18 28 | 26 51 | 9 2 | 6 24 |
| T 24 | 15 27 | 26 21 | 2 51 | 20 48 | 1 40 | 2 27 | 0 52 | 24 15 | 1 40 | 5 17 | 1 31 | 9 46 | 1 43 | 12 46 | 0 46 | 4 2 | 1 39 | 1 31 | 14 40 | 18 40 | 18 28 | 26 51 | 9 1 | 6 24 |
| F 25 | 15 45 | 24 43 | 1 57 | 21 23 | 1 47 | 2 9 | 0 57 | 24 11 | 1 40 | 5 18 | 1 31 | 9 44 | 1 44 | 12 46 | 0 46 | 4 3 | 1 39 | 1 31 | 14 40 | 18 41 | 18 29 | 26 51 | 9 0 | 6 25 |
| S 26 | 16 2 | 21 59 | 0 57 | 21 55 | 1 54 | 1 50 | 1 2 | 24 6 | 1 39 | 5 19 | 1 31 | 9 43 | 1 44 | 12 46 | 0 46 | 4 4 | 1 39 | 1 32 | 14 40 | 18 41 | 18 30 | 26 50 | 9 0 | 6 25 |
| S 27 | 16 19 | 18 17 | 0s 6 | 22 24 | 2 0 | 1 31 | 1 7 | 24 1 | 1 39 | 5 19 | 1 31 | 9 41 | 1 44 | 12 46 | 0 46 | 4 4 | 1 39 | 1 32 | 14 40 | 18 41 | 18 31 | 26 50 | 8 59 | 6 25 |
| M28 | 16 36 | 13 46 | 1 10 | 22 52 | 2 6 | 1 11 | 1 11 | 23 56 | 1 38 | 5 20 | 1 30 | 9 40 | 1 44 | 12 46 | 0 46 | 4 5 | 1 39 | 1 33 | 14 40 | 18 41 | 18 32 | 26 49 | 8 58 | 6 26 |
| T 29 | 16 53 | 8 35 | 2 12 | 23 16 | 2 10 | 0 51 | 1 16 | 23 51 | 1 38 | 5 21 | 1 30 | 9 38 | 1 44 | 12 46 | 0 46 | 4 6 | 1 39 | 1 33 | 14 40 | 18 42 | 18 33 | 26 48 | 8 58 | 6 26 |
| W30 | 17n 9 | 2n54 | 3s10 | 23n38 | 2n14 | 0s31 | 1s20 | 23n46 | 1n37 | 5n21 | 1n30 | 9s37 | 1s45 | 12n46 | 0n46 | 4n 7 | 1s39 | 1n33 | 14s40 | 18s42 | 18s33 | 26n48 | 8s57 | 6n26 |

Julian Day Number = 2223732.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'23, Lahiri = 15°09'23 Julian Calendar 1 Apr. 1376 == Greg. Calendar 9 Apr. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## MAY 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 9 3 | 18♉37'00 | 28♍36 | 7♊58 | 2♈46 | 19♋38 | 19°R59 | 9♓40 | 28♎30 | 14♈16 | 12♉12 | 6°R27 | 7♒ 4 | 27♊18 | 19♒21 | T 1 |
| F 2 | 15 12 59 | 19°34'42 | 12♎23 | 9°33 | 3°46 | 20°12 | 19♍58 | 9°44 | 28°30 | 14°18 | 12°14 | 6♒20 | 7° 1 | 27°25 | 19°22 | F 2 |
| S 3 | 15 16 56 | 20°32'21 | 26°38 | 11° 5 | 4°47 | 20°46 | 19°57 | 9°47 | 28°30 | 14°20 | 12°15 | 6°11 | 6°58 | 27°31 | 19°23 | S 3 |
| S 4 | 15 20 52 | 21°30'00 | 11♏17 | 12°33 | 5°48 | 21°21 | 19°56 | 9°51 | 28°31 | 14°22 | 12°16 | 6° 0 | 6°55 | 27°38 | 19°24 | S 4 |
| M 5 | 15 24 49 | 22°27'37 | 26°13 | 13°58 | 6°50 | 21°55 | 19°55 | 9°55 | 28°31 | 14°24 | 12°18 | 5°50 | 6°51 | 27°45 | 19°24 | M 5 |
| T 6 | 15 28 46 | 23°25'13 | 11♐16 | 15°19 | 7°52 | 22°29 | 19°55 | 9°59 | 28°31 | 14°26 | 12°19 | 5°40 | 6°48 | 27°51 | 19°25 | T 6 |
| W 7 | 15 32 42 | 24°22'48 | 26°18 | 16°38 | 8°54 | 23° 4 | 19°54 | 10° 2 | 28°32 | 14°27 | 12°20 | 5°33 | 6°45 | 27°58 | 19°26 | W 7 |
| T 8 | 15 36 39 | 25°20'22 | 11♑ 9 | 17°52 | 9°56 | 23°38 | 19°D54 | 10° 6 | 28°32 | 14°29 | 12°22 | 5°29 | 6°42 | 28° 5 | 19°26 | T 8 |
| F 9 | 15 40 35 | 26°17'55 | 25°43 | 19° 3 | 10°58 | 24°13 | 19°54 | 10° 9 | 28°33 | 14°31 | 12°23 | 5°27 | 6°39 | 28°11 | 19°26 | F 9 |
| S 10 | 15 44 32 | 27°15'27 | 9♒57 | 20°10 | 12° 1 | 24°47 | 19°54 | 10°13 | 28°34 | 14°33 | 12°24 | 5°D27 | 6°36 | 28°18 | 19°27 | S 10 |
| S 11 | 15 48 28 | 28°12'58 | 23°49 | 21°14 | 13° 4 | 25°22 | 19°55 | 10°16 | 28°34 | 14°35 | 12°26 | 5°R27 | 6°32 | 28°25 | 19°27 | S 11 |
| M12 | 15 52 25 | 29°10'28 | 7♓20 | 22°13 | 14° 8 | 25°57 | 19°55 | 10°19 | 28°35 | 14°36 | 12°27 | 5°27 | 6°29 | 28°31 | 19°27 | M12 |
| T 13 | 15 56 22 | 0♊ 7'57 | 20°32 | 23° 9 | 15°11 | 26°31 | 19°56 | 10°22 | 28°36 | 14°38 | 12°28 | 5°25 | 6°26 | 28°38 | 19°27 | T 13 |
| W14 | 16 0 18 | 1° 5'26 | 3♈28 | 24° 1 | 16°15 | 27° 6 | 19°57 | 10°25 | 28°37 | 14°40 | 12°30 | 5°21 | 6°23 | 28°45 | 19°28 | W14 |
| T 15 | 16 4 15 | 2° 2'54 | 16°10 | 24°49 | 17°19 | 27°41 | 19°58 | 10°28 | 28°38 | 14°41 | 12°31 | 5°15 | 6°20 | 28°51 | 19°R28 | T 15 |
| F 16 | 16 8 11 | 3° 0'21 | 28°39 | 25°33 | 18°23 | 28°16 | 19°59 | 10°31 | 28°38 | 14°43 | 12°32 | 5° 6 | 6°16 | 28°58 | 19°28 | F 16 |
| S 17 | 16 12 8 | 3°57'47 | 10♉59 | 26°13 | 19°27 | 28°51 | 20° 1 | 10°34 | 28°39 | 14°45 | 12°34 | 4°55 | 6°13 | 29° 5 | 19°28 | S 17 |
| S 18 | 16 16 4 | 4°55'12 | 23° 9 | 26°48 | 20°32 | 29°26 | 20° 2 | 10°37 | 28°41 | 14°46 | 12°35 | 4°44 | 6°10 | 29°12 | 19°27 | S 18 |
| M19 | 16 20 1 | 5°52'37 | 5♊11 | 27°20 | 21°37 | 0♌ 1 | 20° 4 | 10°39 | 28°42 | 14°48 | 12°36 | 4°33 | 6° 7 | 29°18 | 19°27 | M19 |
| T 20 | 16 23 57 | 6°50'01 | 17° 7 | 27°46 | 22°42 | 0°36 | 20° 6 | 10°42 | 28°43 | 14°49 | 12°37 | 4°24 | 6° 4 | 29°25 | 19°27 | T 20 |
| W21 | 16 27 54 | 7°47'24 | 28°58 | 28° 9 | 23°47 | 1°11 | 20° 8 | 10°44 | 28°44 | 14°51 | 12°39 | 4°16 | 6° 1 | 29°32 | 19°27 | W21 |
| T 22 | 16 31 51 | 8°44'46 | 10♋46 | 28°27 | 24°52 | 1°46 | 20°11 | 10°46 | 28°45 | 14°53 | 12°40 | 4°11 | 5°57 | 29°38 | 19°26 | T 22 |
| F 23 | 16 35 47 | 9°42'07 | 22°33 | 28°40 | 25°57 | 2°21 | 20°13 | 10°48 | 28°47 | 14°54 | 12°41 | 4° 8 | 5°54 | 29°45 | 19°26 | F 23 |
| S 24 | 16 39 44 | 10°39'27 | 4♌24 | 28°49 | 27° 3 | 2°57 | 20°16 | 10°50 | 28°48 | 14°56 | 12°42 | 4°D 7 | 5°51 | 29°52 | 19°25 | S 24 |
| S 25 | 16 43 40 | 11°36'46 | 16°22 | 28°R53 | 28° 9 | 3°32 | 20°19 | 10°52 | 28°49 | 14°57 | 12°43 | 4° 8 | 5°48 | 29°58 | 19°25 | S 25 |
| M26 | 16 47 37 | 12°34'04 | 28°33 | 28°52 | 29°15 | 4° 7 | 20°22 | 10°54 | 28°51 | 14°58 | 12°45 | 4° 9 | 5°45 | 0♋ 5 | 19°24 | M26 |
| T 27 | 16 51 33 | 13°31'21 | 10♍59 | 28°47 | 0♉21 | 4°43 | 20°25 | 10°56 | 28°52 | 15° 0 | 12°46 | 4°R10 | 5°42 | 0°12 | 19°23 | T 27 |
| W28 | 16 55 30 | 14°28'38 | 23°48 | 28°38 | 1°27 | 5°18 | 20°28 | 10°58 | 28°54 | 15° 1 | 12°47 | 4° 9 | 5°38 | 0°18 | 19°23 | W28 |
| T 29 | 16 59 26 | 15°25'53 | 7♎ 2 | 28°25 | 2°33 | 5°54 | 20°32 | 10°59 | 28°56 | 15° 2 | 12°48 | 4° 7 | 5°35 | 0°25 | 19°22 | T 29 |
| F 30 | 17 3 23 | 16°23'07 | 20°45 | 28° 7 | 3°40 | 6°29 | 20°35 | 11° 1 | 28°57 | 15° 4 | 12°49 | 4° 3 | 5°32 | 0°32 | 19°21 | F 30 |
| S 31 | 17 7 20 | 17♊20'21 | 4♏57 | 27♊46 | 4♉46 | 7♌ 5 | 20♍39 | 11♓ 2 | 28♎59 | 15♈ 5 | 12♉51 | 3♒58 | 5♒29 | 0♋38 | 19♒20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n25 | 3s 6 | 3s59 | 23n58 | 2n17 | 0s11 | 1s24 | 23n40 | 1n37 | 5n21 | 1n30 | 9s36 | 1s45 | 12n46 | 0n46 | 4n 7 | 1s39 | 1n34 | 14s40 | 18s43 | 18s34 | 26n47 | 8s56 | 6n27 |
| F 2 | 17 41 | 9 9 | 4 36 | 24 15 | 2 20 | 0n 9 | 1 28 | 23 35 | 1 36 | 5 22 | 1 30 | 9 34 | 1 45 | 12 45 | 0 46 | 4 8 | 1 39 | 1 34 | 14 40 | 18 45 | 18 35 | 26 47 | 8 56 | 6 27 |
| S 3 | 17 57 | 14 55 | 4 57 | 24 30 | 2 21 | 0 30 | 1 32 | 23 29 | 1 36 | 5 22 | 1 29 | 9 33 | 1 45 | 12 45 | 0 46 | 4 9 | 1 39 | 1 35 | 14 40 | 18 48 | 18 36 | 26 46 | 8 55 | 6 27 |
| S 4 | 18 12 | 20 1 | 5 0 | 24 43 | 2 22 | 0 51 | 1 36 | 23 23 | 1 35 | 5 22 | 1 29 | 9 32 | 1 46 | 12 45 | 0 46 | 4 9 | 1 39 | 1 35 | 14 40 | 18 50 | 18 37 | 26 46 | 8 55 | 6 28 |
| M 5 | 18 27 | 23 57 | 4 43 | 24 54 | 2 21 | 1 12 | 1 39 | 23 17 | 1 35 | 5 22 | 1 29 | 9 30 | 1 46 | 12 45 | 0 46 | 4 10 | 1 39 | 1 35 | 14 40 | 18 53 | 18 37 | 26 45 | 8 54 | 6 28 |
| T 6 | 18 42 | 26 16 | 4 6 | 25 2 | 2 20 | 1 34 | 1 43 | 23 11 | 1 34 | 5 22 | 1 29 | 9 29 | 1 46 | 12 45 | 0 46 | 4 11 | 1 39 | 1 36 | 14 40 | 18 55 | 18 38 | 26 45 | 8 53 | 6 29 |
| W 7 | 18 56 | 26 40 | 3 12 | 25 8 | 2 18 | 1 55 | 1 46 | 23 5 | 1 34 | 5 22 | 1 28 | 9 28 | 1 46 | 12 45 | 0 46 | 4 12 | 1 39 | 1 36 | 14 40 | 18 57 | 18 39 | 26 44 | 8 53 | 6 29 |
| T 8 | 19 10 | 25 8 | 2 5 | 25 13 | 2 16 | 2 17 | 1 49 | 22 59 | 1 33 | 5 22 | 1 28 | 9 27 | 1 46 | 12 44 | 0 46 | 4 12 | 1 39 | 1 36 | 14 40 | 18 58 | 18 40 | 26 43 | 8 52 | 6 29 |
| F 9 | 19 23 | 21 55 | 0 52 | 25 16 | 2 12 | 2 39 | 1 52 | 22 52 | 1 33 | 5 21 | 1 28 | 9 26 | 1 47 | 12 44 | 0 46 | 4 13 | 1 39 | 1 37 | 14 40 | 18 58 | 18 41 | 26 43 | 8 52 | 6 30 |
| S 10 | 19 37 | 17 26 | 0n24 | 25 16 | 2 7 | 3 1 | 1 55 | 22 45 | 1 32 | 5 21 | 1 28 | 9 25 | 1 47 | 12 44 | 0 46 | 4 14 | 1 39 | 1 37 | 14 40 | 18 58 | 18 41 | 26 42 | 8 51 | 6 30 |
| S 11 | 19 50 | 12 7 | 1 36 | 25 16 | 2 2 | 3 23 | 1 57 | 22 38 | 1 32 | 5 21 | 1 27 | 9 24 | 1 47 | 12 44 | 0 46 | 4 14 | 1 39 | 1 37 | 14 40 | 18 58 | 18 42 | 26 42 | 8 51 | 6 30 |
| M12 | 20 3 | 6 21 | 2 41 | 25 13 | 1 56 | 3 45 | 2 0 | 22 31 | 1 31 | 5 20 | 1 27 | 9 23 | 1 47 | 12 43 | 0 46 | 4 15 | 1 40 | 1 38 | 14 40 | 18 58 | 18 43 | 26 41 | 8 51 | 6 31 |
| T 13 | 20 15 | 0 27 | 3 36 | 25 9 | 1 49 | 4 7 | 2 2 | 22 24 | 1 31 | 5 20 | 1 27 | 9 22 | 1 48 | 12 43 | 0 46 | 4 15 | 1 40 | 1 38 | 14 40 | 18 59 | 18 44 | 26 40 | 8 50 | 6 31 |
| W14 | 20 27 | 5n20 | 4 18 | 25 4 | 1 41 | 4 30 | 2 4 | 22 17 | 1 30 | 5 19 | 1 27 | 9 21 | 1 48 | 12 43 | 0 46 | 4 16 | 1 40 | 1 38 | 14 40 | 19 0 | 18 45 | 26 40 | 8 50 | 6 32 |
| T 15 | 20 39 | 10 47 | 4 47 | 24 57 | 1 32 | 4 52 | 2 6 | 22 10 | 1 30 | 5 19 | 1 26 | 9 20 | 1 48 | 12 42 | 0 46 | 4 17 | 1 40 | 1 39 | 14 40 | 19 1 | 18 45 | 26 39 | 8 49 | 6 32 |
| F 16 | 20 50 | 15 43 | 5 2 | 24 49 | 1 22 | 5 15 | 2 8 | 22 2 | 1 29 | 5 18 | 1 26 | 9 19 | 1 48 | 12 42 | 0 46 | 4 17 | 1 40 | 1 39 | 14 40 | 19 4 | 18 46 | 26 38 | 8 49 | 6 32 |
| S 17 | 21 1 | 19 57 | 5 2 | 24 40 | 1 12 | 5 38 | 2 10 | 21 54 | 1 29 | 5 17 | 1 26 | 9 18 | 1 49 | 12 41 | 0 45 | 4 18 | 1 40 | 1 39 | 14 40 | 19 6 | 18 47 | 26 38 | 8 49 | 6 33 |
| S 18 | 21 11 | 23 16 | 4 48 | 24 30 | 1 1 | 6 0 | 2 12 | 21 47 | 1 28 | 5 16 | 1 26 | 9 17 | 1 49 | 12 41 | 0 45 | 4 18 | 1 40 | 1 39 | 14 41 | 19 9 | 18 48 | 26 37 | 8 48 | 6 33 |
| M19 | 21 22 | 25 32 | 4 22 | 24 18 | 0 49 | 6 23 | 2 14 | 21 39 | 1 28 | 5 15 | 1 25 | 9 17 | 1 49 | 12 41 | 0 45 | 4 19 | 1 40 | 1 40 | 14 41 | 19 11 | 18 48 | 26 36 | 8 48 | 6 33 |
| T 20 | 21 32 | 26 37 | 3 44 | 24 6 | 0 36 | 6 46 | 2 15 | 21 31 | 1 27 | 5 14 | 1 25 | 9 16 | 1 49 | 12 40 | 0 45 | 4 20 | 1 40 | 1 40 | 14 41 | 19 14 | 18 49 | 26 36 | 8 48 | 6 34 |
| W21 | 21 41 | 26 28 | 2 57 | 23 53 | 0 22 | 7 9 | 2 16 | 21 22 | 1 27 | 5 13 | 1 25 | 9 15 | 1 50 | 12 40 | 0 45 | 4 20 | 1 40 | 1 40 | 14 41 | 19 15 | 18 50 | 26 35 | 8 48 | 6 34 |
| T 22 | 21 50 | 25 7 | 2 2 | 23 39 | 0 8 | 7 32 | 2 18 | 21 14 | 1 26 | 5 12 | 1 25 | 9 15 | 1 50 | 12 39 | 0 45 | 4 21 | 1 40 | 1 40 | 14 41 | 19 17 | 18 51 | 26 34 | 8 47 | 6 35 |
| F 23 | 21 59 | 22 39 | 1 2 | 23 24 | 0s 6 | 7 54 | 2 19 | 21 6 | 1 26 | 5 11 | 1 24 | 9 14 | 1 50 | 12 39 | 0 45 | 4 21 | 1 40 | 1 41 | 14 41 | 19 17 | 18 52 | 26 34 | 8 47 | 6 35 |
| S 24 | 22 7 | 19 12 | 0s 2 | 23 9 | 0 22 | 8 17 | 2 20 | 20 57 | 1 25 | 5 10 | 1 24 | 9 13 | 1 50 | 12 38 | 0 45 | 4 22 | 1 40 | 1 41 | 14 41 | 19 18 | 18 52 | 26 33 | 8 47 | 6 35 |
| S 25 | 22 15 | 14 56 | 1 6 | 22 53 | 0 38 | 8 40 | 2 21 | 20 48 | 1 25 | 5 8 | 1 24 | 9 13 | 1 50 | 12 38 | 0 45 | 4 22 | 1 40 | 1 41 | 14 41 | 19 17 | 18 53 | 26 32 | 8 47 | 6 36 |
| M26 | 22 23 | 10 1 | 2 8 | 22 37 | 0 54 | 9 2 | 2 21 | 20 39 | 1 24 | 5 7 | 1 24 | 9 12 | 1 51 | 12 37 | 0 45 | 4 23 | 1 40 | 1 41 | 14 41 | 19 17 | 18 54 | 26 32 | 8 47 | 6 36 |
| T 27 | 22 30 | 4 37 | 3 5 | 22 21 | 1 10 | 9 25 | 2 22 | 20 30 | 1 24 | 5 5 | 1 23 | 9 12 | 1 51 | 12 37 | 0 45 | 4 23 | 1 40 | 1 42 | 14 42 | 19 17 | 18 55 | 26 31 | 8 47 | 6 36 |
| W28 | 22 37 | 1s 8 | 3 56 | 22 4 | 1 27 | 9 47 | 2 22 | 20 21 | 1 23 | 5 4 | 1 23 | 9 12 | 1 51 | 12 36 | 0 45 | 4 24 | 1 40 | 1 42 | 14 42 | 19 17 | 18 56 | 26 30 | 8 46 | 6 37 |
| T 29 | 22 43 | 7 1 | 4 35 | 21 47 | 1 44 | 10 10 | 2 23 | 20 12 | 1 23 | 5 2 | 1 23 | 9 11 | 1 51 | 12 35 | 0 45 | 4 24 | 1 40 | 1 42 | 14 42 | 19 18 | 18 56 | 26 29 | 8 46 | 6 37 |
| F 30 | 22 49 | 12 46 | 5 0 | 21 30 | 2 1 | 10 32 | 2 23 | 20 2 | 1 22 | 5 1 | 1 23 | 9 11 | 1 52 | 12 35 | 0 45 | 4 25 | 1 40 | 1 42 | 14 42 | 19 18 | 18 57 | 26 29 | 8 46 | 6 37 |
| S 31 | 22n55 | 18s 3 | 5s 8 | 21n13 | 2s17 | 10n54 | 2s23 | 19n53 | 1n22 | 4n59 | 1n22 | 9s11 | 1s52 | 12n34 | 0n45 | 4n25 | 1s40 | 1n42 | 14s42 | 19s20 | 18s58 | 26n28 | 8s46 | 6n38 |

Julian Day Number = 2223762.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'19, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'27, Lahiri = 15°09'27 Julian Calendar 1 May 1376 == Greg. Calendar 9 May 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## JUNE 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 11 16 | 18♊17'34 | 19♏36 | 27°R22 | 5♉53 | 7♌40 | 20♍43 | 11♓ 4 | 29♌ 1 | 15♈ 6 | 12♉52 | 3°R51 | 5♒26 | 0♋45 | 19°R19 | S 1 |
| M 2 | 17 15 13 | 19°14'47 | 4♐36 | 26♊54 | 7° 0 | 8°16 | 20°47 | 11° 5 | 29° 2 | 15° 8 | 12°53 | 3♒45 | 5°22 | 0°52 | 19♒18 | M 2 |
| T 3 | 17 19 9 | 20°11'59 | 19°48 | 26°24 | 8° 7 | 8°52 | 20°52 | 11° 6 | 29° 4 | 15° 9 | 12°54 | 3°39 | 5°19 | 0°58 | 19°17 | T 3 |
| W 4 | 17 23 6 | 21° 9'11 | 5♑ 2 | 25°52 | 9°14 | 9°27 | 20°56 | 11° 7 | 29° 6 | 15°10 | 12°55 | 3°34 | 5°16 | 1° 5 | 19°16 | W 4 |
| T 5 | 17 27 2 | 22° 6'22 | 20° 8 | 25°18 | 10°22 | 10° 3 | 21° 1 | 11° 8 | 29° 8 | 15°11 | 12°56 | 3°32 | 5°13 | 1°12 | 19°15 | T 5 |
| F 6 | 17 30 59 | 23° 3'33 | 4♒58 | 24°44 | 11°29 | 10°39 | 21° 6 | 11° 9 | 29°10 | 15°12 | 12°57 | 3°D31 | 5°10 | 1°18 | 19°13 | F 6 |
| S 7 | 17 34 55 | 24° 0'44 | 19°25 | 24° 8 | 12°36 | 11°15 | 21°10 | 11° 9 | 29°12 | 15°13 | 12°58 | 3°32 | 5° 7 | 1°25 | 19°12 | S 7 |
| S 8 | 17 38 52 | 24°57'55 | 3♓28 | 23°34 | 13°44 | 11°51 | 21°16 | 11°10 | 29°14 | 15°14 | 12°59 | 3°33 | 5° 3 | 1°32 | 19°11 | S 8 |
| M 9 | 17 42 49 | 25°55'06 | 17° 5 | 22°59 | 14°52 | 12°27 | 21°21 | 11°11 | 29°16 | 15°15 | 13° 0 | 3°35 | 5° 0 | 1°38 | 19° 9 | M 9 |
| T 10 | 17 46 45 | 26°52'17 | 0♈18 | 22°27 | 16° 0 | 13° 3 | 21°26 | 11°11 | 29°18 | 15°16 | 13° 1 | 3°R35 | 4°57 | 1°45 | 19° 8 | T 10 |
| W11 | 17 50 42 | 27°49'28 | 13°11 | 21°56 | 17° 8 | 13°39 | 21°32 | 11°11 | 29°21 | 15°17 | 13° 2 | 3°34 | 4°54 | 1°52 | 19° 6 | W11 |
| T 12 | 17 54 38 | 28°46'39 | 25°45 | 21°28 | 18°16 | 14°15 | 21°37 | 11°11 | 29°23 | 15°18 | 13° 4 | 3°31 | 4°51 | 1°58 | 19° 5 | T 12 |
| F 13 | 17 58 35 | 29°43'51 | 8♉ 6 | 21° 2 | 19°24 | 14°51 | 21°43 | 11°12 | 29°25 | 15°19 | 13° 4 | 3°27 | 4°48 | 2° 5 | 19° 3 | F 13 |
| S 14 | 18 2 31 | 0♋41'02 | 20°15 | 20°40 | 20°32 | 15°27 | 21°49 | 11°R12 | 29°28 | 15°20 | 13° 5 | 3°22 | 4°44 | 2°12 | 19° 1 | S 14 |
| S 15 | 18 6 28 | 1°38'14 | 2♊15 | 20°22 | 21°41 | 16° 3 | 21°55 | 11°11 | 29°30 | 15°21 | 13° 6 | 3°16 | 4°41 | 2°18 | 18°59 | S 15 |
| M16 | 18 10 24 | 2°35'26 | 14°10 | 20° 8 | 22°49 | 16°40 | 22° 2 | 11°11 | 29°32 | 15°22 | 13° 7 | 3°11 | 4°38 | 2°25 | 18°58 | M16 |
| T 17 | 18 14 21 | 3°32'38 | 26° 0 | 19°59 | 23°58 | 17°16 | 22° 8 | 11°11 | 29°35 | 15°22 | 13° 8 | 3° 6 | 4°35 | 2°32 | 18°56 | T 17 |
| W18 | 18 18 18 | 4°29'50 | 7♋48 | 19°D54 | 25° 7 | 17°52 | 22°14 | 11°11 | 29°37 | 15°23 | 13° 9 | 3° 3 | 4°32 | 2°38 | 18°54 | W18 |
| T 19 | 18 22 14 | 5°27'02 | 19°37 | 19°54 | 26°16 | 18°29 | 22°21 | 11°10 | 29°40 | 15°24 | 13°10 | 3° 1 | 4°28 | 2°45 | 18°52 | T 19 |
| F 20 | 18 26 11 | 6°24'14 | 1♌27 | 19°59 | 27°24 | 19° 5 | 22°28 | 11°10 | 29°42 | 15°25 | 13°11 | 3°D 0 | 4°25 | 2°52 | 18°50 | F 20 |
| S 21 | 18 30 7 | 7°21'26 | 13°23 | 20° 9 | 28°33 | 19°42 | 22°35 | 11° 9 | 29°45 | 15°25 | 13°12 | 3° 0 | 4°22 | 2°58 | 18°48 | S 21 |
| S 22 | 18 34 4 | 8°18'38 | 25°26 | 20°25 | 29°43 | 20°18 | 22°42 | 11° 8 | 29°48 | 15°26 | 13°13 | 3° 1 | 4°19 | 3° 5 | 18°46 | S 22 |
| M23 | 18 38 0 | 9°15'50 | 7♍41 | 20°45 | 0♊52 | 20°55 | 22°49 | 11° 7 | 29°50 | 15°26 | 13°14 | 3° 3 | 4°16 | 3°12 | 18°44 | M23 |
| T 24 | 18 41 57 | 10°13'02 | 20°11 | 21°11 | 2° 1 | 21°31 | 22°56 | 11° 6 | 29°53 | 15°27 | 13°14 | 3° 4 | 4°13 | 3°18 | 18°42 | T 24 |
| W25 | 18 45 53 | 11°10'14 | 3♎ 0 | 21°42 | 3°10 | 22° 8 | 23° 4 | 11° 5 | 29°56 | 15°28 | 13°15 | 3° 5 | 4° 9 | 3°25 | 18°39 | W25 |
| T 26 | 18 49 50 | 12° 7'26 | 16°11 | 22°18 | 4°20 | 22°45 | 23°11 | 11° 4 | 29°59 | 15°28 | 13°16 | 3°R 6 | 4° 6 | 3°32 | 18°37 | T 26 |
| F 27 | 18 53 47 | 13° 4'38 | 29°47 | 23° 0 | 5°29 | 23°21 | 23°19 | 11° 3 | 0♍ 1 | 15°29 | 13°17 | 3° 5 | 4° 3 | 3°38 | 18°35 | F 27 |
| S 28 | 18 57 43 | 14° 1'50 | 13♏50 | 23°47 | 6°39 | 23°58 | 23°27 | 11° 1 | 0° 4 | 15°29 | 13°18 | 3° 3 | 4° 0 | 3°45 | 18°32 | S 28 |
| S 29 | 19 1 40 | 14°59'03 | 28°17 | 24°38 | 7°49 | 24°35 | 23°35 | 11° 0 | 0° 7 | 15°29 | 13°18 | 3° 1 | 3°57 | 3°52 | 18°30 | S 29 |
| M30 | 19 5 36 | 15♋56'16 | 13♐ 7 | 25♊35 | 8♊58 | 25♌12 | 23♍43 | 10♓58 | 0♍10 | 15♈30 | 13♉19 | 2♒59 | 3♒54 | 3♋58 | 18♒28 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n 0 | 22s27 | 4s57 | 20n56 | 2s34 | 11n16 | 2s23 | 19n43 | 1n21 | 4n57 | 1n22 | 9s10 | 1s52 | 12n34 | 0n45 | 4n26 | 1s40 | 1n43 | 14s42 | 19s21 | 18s59 | 26n27 | 8s46 | 6n38 |
| M 2 | 23 5 | 25 28 | 4 25 | 20 40 | 2 50 | 11 38 | 2 23 | 19 33 | 1 21 | 4 55 | 1 22 | 9 10 | 1 52 | 12 33 | 0 45 | 4 26 | 1 41 | 1 43 | 14 42 | 19 23 | 18 59 | 26 26 | 8 46 | 6 38 |
| T 3 | 23 9 | 26 42 | 3 34 | 20 23 | 3 5 | 12 0 | 2 23 | 19 24 | 1 20 | 4 53 | 1 22 | 9 10 | 1 53 | 12 32 | 0 45 | 4 26 | 1 41 | 1 43 | 14 43 | 19 24 | 19 0 | 26 26 | 8 46 | 6 39 |
| W 4 | 23 14 | 25 54 | 2 28 | 20 8 | 3 19 | 12 22 | 2 23 | 19 14 | 1 20 | 4 51 | 1 22 | 9 10 | 1 53 | 12 32 | 0 45 | 4 27 | 1 41 | 1 43 | 14 43 | 19 25 | 19 1 | 26 25 | 8 46 | 6 39 |
| T 5 | 23 17 | 23 12 | 1 12 | 19 53 | 3 33 | 12 43 | 2 23 | 19 3 | 1 19 | 4 49 | 1 21 | 9 10 | 1 53 | 12 31 | 0 45 | 4 27 | 1 41 | 1 43 | 14 43 | 19 26 | 19 2 | 26 24 | 8 46 | 6 39 |
| F 6 | 23 20 | 18 58 | 0n 8 | 19 39 | 3 46 | 13 4 | 2 22 | 18 53 | 1 19 | 4 47 | 1 21 | 9 10 | 1 54 | 12 30 | 0 45 | 4 28 | 1 41 | 1 43 | 14 43 | 19 26 | 19 3 | 26 23 | 8 46 | 6 40 |
| S 7 | 23 23 | 13 42 | 1 25 | 19 27 | 3 57 | 13 26 | 2 22 | 18 43 | 1 18 | 4 45 | 1 21 | 9 10 | 1 54 | 12 29 | 0 45 | 4 28 | 1 41 | 1 44 | 14 43 | 19 26 | 19 3 | 26 22 | 8 47 | 6 40 |
| S 8 | 23 26 | 7 51 | 2 36 | 19 15 | 4 7 | 13 46 | 2 21 | 18 32 | 1 18 | 4 43 | 1 21 | 9 10 | 1 54 | 12 29 | 0 45 | 4 28 | 1 41 | 1 44 | 14 43 | 19 26 | 19 4 | 26 22 | 8 47 | 6 40 |
| M 9 | 23 28 | 1 49 | 3 35 | 19 4 | 4 16 | 14 7 | 2 20 | 18 22 | 1 17 | 4 40 | 1 20 | 9 10 | 1 54 | 12 28 | 0 45 | 4 29 | 1 41 | 1 44 | 14 44 | 19 25 | 19 5 | 26 21 | 8 47 | 6 41 |
| T 10 | 23 29 | 4n 6 | 4 21 | 18 55 | 4 23 | 14 27 | 2 19 | 18 11 | 1 17 | 4 38 | 1 20 | 9 10 | 1 55 | 12 27 | 0 45 | 4 29 | 1 41 | 1 44 | 14 44 | 19 25 | 19 6 | 26 20 | 8 47 | 6 41 |
| W11 | 23 30 | 9 42 | 4 52 | 18 48 | 4 29 | 14 48 | 2 18 | 18 0 | 1 16 | 4 36 | 1 20 | 9 10 | 1 55 | 12 26 | 0 45 | 4 29 | 1 41 | 1 44 | 14 44 | 19 25 | 19 6 | 26 19 | 8 47 | 6 41 |
| T 12 | 23 31 | 14 46 | 5 9 | 18 42 | 4 34 | 15 8 | 2 17 | 17 49 | 1 16 | 4 33 | 1 20 | 9 10 | 1 55 | 12 25 | 0 45 | 4 30 | 1 41 | 1 44 | 14 44 | 19 26 | 19 7 | 26 18 | 8 47 | 6 42 |
| F 13 | 23 31 | 19 9 | 5 11 | 18 37 | 4 36 | 15 27 | 2 16 | 17 38 | 1 15 | 4 31 | 1 20 | 9 10 | 1 55 | 12 25 | 0 44 | 4 30 | 1 41 | 1 44 | 14 44 | 19 27 | 19 8 | 26 17 | 8 48 | 6 42 |
| S 14 | 23 31 | 22 39 | 4 58 | 18 34 | 4 38 | 15 47 | 2 15 | 17 27 | 1 15 | 4 28 | 1 19 | 9 10 | 1 56 | 12 24 | 0 44 | 4 30 | 1 41 | 1 44 | 14 44 | 19 28 | 19 9 | 26 17 | 8 48 | 6 42 |
| S 15 | 23 31 | 25 8 | 4 33 | 18 33 | 4 38 | 16 6 | 2 14 | 17 15 | 1 14 | 4 26 | 1 19 | 9 11 | 1 56 | 12 23 | 0 44 | 4 30 | 1 41 | 1 44 | 14 45 | 19 30 | 19 9 | 26 16 | 8 48 | 6 42 |
| M16 | 23 30 | 26 29 | 3 56 | 18 34 | 4 36 | 16 24 | 2 12 | 17 4 | 1 14 | 4 23 | 1 19 | 9 11 | 1 56 | 12 22 | 0 44 | 4 31 | 1 41 | 1 45 | 14 45 | 19 31 | 19 10 | 26 15 | 8 48 | 6 43 |
| T 17 | 23 28 | 26 37 | 3 9 | 18 36 | 4 33 | 16 43 | 2 11 | 16 52 | 1 13 | 4 20 | 1 19 | 9 11 | 1 56 | 12 21 | 0 44 | 4 31 | 1 41 | 1 45 | 14 45 | 19 32 | 19 11 | 26 14 | 8 49 | 6 43 |
| W18 | 23 27 | 25 31 | 2 14 | 18 40 | 4 29 | 17 1 | 2 10 | 16 41 | 1 13 | 4 17 | 1 18 | 9 12 | 1 57 | 12 20 | 0 44 | 4 31 | 1 41 | 1 45 | 14 45 | 19 33 | 19 12 | 26 13 | 8 49 | 6 43 |
| T 19 | 23 25 | 23 17 | 1 13 | 18 45 | 4 24 | 17 19 | 2 8 | 16 29 | 1 12 | 4 15 | 1 18 | 9 12 | 1 57 | 12 19 | 0 44 | 4 31 | 1 42 | 1 45 | 14 45 | 19 33 | 19 12 | 26 12 | 8 49 | 6 44 |
| F 20 | 23 22 | 20 3 | 0 8 | 18 52 | 4 17 | 17 36 | 2 6 | 16 17 | 1 12 | 4 12 | 1 18 | 9 13 | 1 57 | 12 18 | 0 44 | 4 32 | 1 42 | 1 45 | 14 46 | 19 33 | 19 13 | 26 11 | 8 50 | 6 44 |
| S 21 | 23 19 | 15 57 | 0s57 | 19 0 | 4 10 | 17 53 | 2 5 | 16 5 | 1 11 | 4 9 | 1 18 | 9 13 | 1 57 | 12 17 | 0 44 | 4 32 | 1 42 | 1 45 | 14 46 | 19 33 | 19 14 | 26 10 | 8 50 | 6 44 |
| S 22 | 23 16 | 11 12 | 2 0 | 19 10 | 4 1 | 18 10 | 2 3 | 15 53 | 1 11 | 4 6 | 1 18 | 9 14 | 1 58 | 12 16 | 0 44 | 4 32 | 1 42 | 1 45 | 14 46 | 19 33 | 19 15 | 26 9 | 8 50 | 6 44 |
| M23 | 23 12 | 5 56 | 3 0 | 19 21 | 3 52 | 18 26 | 2 1 | 15 41 | 1 10 | 4 3 | 1 17 | 9 14 | 1 58 | 12 15 | 0 44 | 4 32 | 1 42 | 1 45 | 14 46 | 19 33 | 19 16 | 26 9 | 8 51 | 6 45 |
| T 24 | 23 8 | 0 21 | 3 52 | 19 33 | 3 41 | 18 42 | 1 59 | 15 28 | 1 10 | 4 0 | 1 17 | 9 15 | 1 58 | 12 14 | 0 44 | 4 32 | 1 42 | 1 45 | 14 47 | 19 32 | 19 16 | 26 8 | 8 51 | 6 45 |
| W25 | 23 3 | 5s22 | 4 33 | 19 46 | 3 30 | 18 57 | 1 57 | 15 16 | 1 9 | 3 56 | 1 17 | 9 15 | 1 58 | 12 13 | 0 44 | 4 32 | 1 42 | 1 45 | 14 47 | 19 32 | 19 17 | 26 7 | 8 52 | 6 45 |
| T 26 | 22 58 | 11 2 | 5 2 | 19 59 | 3 19 | 19 12 | 1 55 | 15 4 | 1 8 | 3 53 | 1 17 | 9 16 | 1 59 | 12 12 | 0 44 | 4 33 | 1 42 | 1 45 | 14 47 | 19 32 | 19 18 | 26 6 | 8 52 | 6 45 |
| F 27 | 22 53 | 16 21 | 5 15 | 20 14 | 3 7 | 19 27 | 1 53 | 14 51 | 1 8 | 3 50 | 1 17 | 9 17 | 1 59 | 12 11 | 0 44 | 4 33 | 1 42 | 1 45 | 14 47 | 19 32 | 19 19 | 26 5 | 8 53 | 6 45 |
| S 28 | 22 47 | 20 58 | 5 10 | 20 29 | 2 54 | 19 41 | 1 51 | 14 38 | 1 7 | 3 47 | 1 16 | 9 17 | 1 59 | 12 10 | 0 44 | 4 33 | 1 42 | 1 45 | 14 48 | 19 33 | 19 19 | 26 4 | 8 53 | 6 46 |
| S 29 | 22 41 | 24 29 | 4 46 | 20 44 | 2 41 | 19 54 | 1 48 | 14 25 | 1 7 | 3 43 | 1 16 | 9 18 | 1 59 | 12 9 | 0 44 | 4 33 | 1 42 | 1 45 | 14 48 | 19 33 | 19 20 | 26 3 | 8 54 | 6 46 |
| M30 | 22n34 | 26s27 | 4s 2 | 20n59 | 2s28 | 20n 8 | 1s46 | 14n13 | 1n 6 | 3n40 | 1n16 | 9s19 | 2s 0 | 12n 8 | 0n44 | 4n33 | 1s42 | 1n45 | 14s48 | 19s34 | 19s21 | 26n 2 | 8s54 | 6n46 |

Julian Day Number = 2223793.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'31, Lahiri = 15°09'31 Julian Calendar 1 June 1376 == Greg. Calendar 9 June 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## JULY 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 9 33 | 16♋53'29 | 28♐11 | 26♊37 | 10♊ 8 | 25♌49 | 23♍51 | 10°R57 | 0♍13 | 15♈30 | 13♉20 | 2°R57 | 3♒50 | 4♋ 5 | 18°R25 | T 1 |
| W 2 | 19 13 29 | 17°50'42 | 13♑22 | 27°43 | 11°18 | 26°26 | 23°59 | 10♓55 | 0°16 | 15°30 | 13°20 | 2♒56 | 3°47 | 4°12 | 18♒23 | W 2 |
| T 3 | 19 17 26 | 18°47'56 | 28°31 | 28°55 | 12°28 | 27° 3 | 24° 8 | 10°53 | 0°19 | 15°31 | 13°21 | 2°D55 | 3°44 | 4°18 | 18°20 | T 3 |
| F 4 | 19 21 23 | 19°45'11 | 13♒27 | 0♋11 | 13°38 | 27°40 | 24°16 | 10°51 | 0°22 | 15°31 | 13°22 | 2°55 | 3°41 | 4°25 | 18°18 | F 4 |
| S 5 | 19 25 19 | 20°42'26 | 28° 4 | 1°32 | 14°48 | 28°17 | 24°25 | 10°49 | 0°25 | 15°31 | 13°22 | 2°56 | 3°38 | 4°32 | 18°15 | S 5 |
| S 6 | 19 29 16 | 21°39'42 | 12♓17 | 2°57 | 15°59 | 28°54 | 24°34 | 10°47 | 0°28 | 15°31 | 13°23 | 2°57 | 3°34 | 4°38 | 18°12 | S 6 |
| M 7 | 19 33 12 | 22°36'58 | 26° 3 | 4°27 | 17° 9 | 29°31 | 24°42 | 10°45 | 0°31 | 15°31 | 13°24 | 2°58 | 3°31 | 4°45 | 18°10 | M 7 |
| T 8 | 19 37 9 | 23°34'16 | 9♈23 | 6° 1 | 18°19 | 0♍ 8 | 24°51 | 10°42 | 0°34 | 15°31 | 13°24 | 2°59 | 3°28 | 4°52 | 18° 7 | T 8 |
| W 9 | 19 41 5 | 24°31'35 | 22°18 | 7°39 | 19°30 | 0°45 | 25° 0 | 10°40 | 0°38 | 15°32 | 13°25 | 2°R59 | 3°25 | 4°58 | 18° 4 | W 9 |
| T 10 | 19 45 2 | 25°28'55 | 4♉53 | 9°21 | 20°40 | 1°22 | 25°10 | 10°37 | 0°41 | 15°32 | 13°25 | 2°59 | 3°22 | 5° 5 | 18° 2 | T 10 |
| F 11 | 19 48 58 | 26°26'16 | 17°10 | 11° 6 | 21°51 | 2° 0 | 25°19 | 10°35 | 0°44 | 15°R32 | 13°26 | 2°58 | 3°19 | 5°12 | 17°59 | F 11 |
| S 12 | 19 52 55 | 27°23'38 | 29°15 | 12°55 | 23° 2 | 2°37 | 25°28 | 10°32 | 0°47 | 15°32 | 13°26 | 2°58 | 3°15 | 5°18 | 17°56 | S 12 |
| S 13 | 19 56 52 | 28°21'01 | 11♊10 | 14°47 | 24°12 | 3°14 | 25°38 | 10°30 | 0°51 | 15°31 | 13°27 | 2°57 | 3°12 | 5°25 | 17°53 | S 13 |
| M14 | 20 0 48 | 29°18'25 | 23° 0 | 16°41 | 25°23 | 3°52 | 25°47 | 10°27 | 0°54 | 15°31 | 13°27 | 2°56 | 3° 9 | 5°32 | 17°50 | M14 |
| T 15 | 20 4 45 | 0♌15'50 | 4♋48 | 18°38 | 26°34 | 4°29 | 25°57 | 10°24 | 0°57 | 15°31 | 13°28 | 2°56 | 3° 6 | 5°38 | 17°47 | T 15 |
| W16 | 20 8 41 | 1°13'16 | 16°37 | 20°37 | 27°45 | 5° 7 | 26° 7 | 10°21 | 1° 1 | 15°31 | 13°28 | 2°56 | 3° 3 | 5°45 | 17°45 | W16 |
| T 17 | 20 12 38 | 2°10'44 | 28°29 | 22°38 | 28°56 | 5°44 | 26°16 | 10°18 | 1° 4 | 15°31 | 13°28 | 2°D56 | 3° 0 | 5°52 | 17°42 | T 17 |
| F 18 | 20 16 34 | 3° 8'12 | 10♌27 | 24°40 | 0♋ 8 | 6°22 | 26°26 | 10°15 | 1° 8 | 15°31 | 13°29 | 2°R56 | 2°56 | 5°58 | 17°39 | F 18 |
| S 19 | 20 20 31 | 4° 5'41 | 22°33 | 26°43 | 1°19 | 7° 0 | 26°36 | 10°12 | 1°11 | 15°30 | 13°29 | 2°56 | 2°53 | 6° 5 | 17°36 | S 19 |
| S 20 | 20 24 27 | 5° 3'11 | 4♍48 | 28°47 | 2°30 | 7°37 | 26°47 | 10° 8 | 1°14 | 15°30 | 13°29 | 2°56 | 2°50 | 6°12 | 17°33 | S 20 |
| M21 | 20 28 24 | 6° 0'42 | 17°15 | 0♌51 | 3°41 | 8°15 | 26°57 | 10° 5 | 1°18 | 15°30 | 13°30 | 2°55 | 2°47 | 6°18 | 17°30 | M21 |
| T 22 | 20 32 21 | 6°58'14 | 29°55 | 2°55 | 4°53 | 8°53 | 27° 7 | 10° 1 | 1°21 | 15°29 | 13°30 | 2°55 | 2°44 | 6°25 | 17°27 | T 22 |
| W23 | 20 36 17 | 7°55'47 | 12♎51 | 4°59 | 6° 4 | 9°31 | 27°17 | 9°58 | 1°25 | 15°29 | 13°30 | 2°54 | 2°40 | 6°32 | 17°24 | W23 |
| T 24 | 20 40 14 | 8°53'21 | 26° 5 | 7° 3 | 7°16 | 10° 8 | 27°28 | 9°54 | 1°29 | 15°29 | 13°31 | 2°54 | 2°37 | 6°38 | 17°21 | T 24 |
| F 25 | 20 44 10 | 9°50'55 | 9♏38 | 9° 6 | 8°27 | 10°46 | 27°38 | 9°51 | 1°32 | 15°28 | 13°31 | 2°D54 | 2°34 | 6°45 | 17°18 | F 25 |
| S 26 | 20 48 7 | 10°48'31 | 23°31 | 11° 8 | 9°39 | 11°24 | 27°49 | 9°47 | 1°36 | 15°28 | 13°31 | 2°54 | 2°31 | 6°52 | 17°15 | S 26 |
| S 27 | 20 52 3 | 11°46'08 | 7♐45 | 13° 9 | 10°51 | 12° 2 | 28° 0 | 9°43 | 1°39 | 15°27 | 13°31 | 2°55 | 2°28 | 6°58 | 17°12 | S 27 |
| M28 | 20 56 0 | 12°43'46 | 22°16 | 15° 9 | 12° 3 | 12°40 | 28°10 | 9°40 | 1°43 | 15°27 | 13°31 | 2°55 | 2°25 | 7° 5 | 17° 9 | M28 |
| T 29 | 20 59 56 | 13°41'24 | 7♑ 2 | 17° 8 | 13°14 | 13°18 | 28°21 | 9°36 | 1°46 | 15°26 | 13°32 | 2°56 | 2°21 | 7°12 | 17° 6 | T 29 |
| W30 | 21 3 53 | 14°39'04 | 21°56 | 19° 6 | 14°26 | 13°56 | 28°32 | 9°32 | 1°50 | 15°26 | 13°32 | 2°57 | 2°18 | 7°18 | 17° 3 | W30 |
| T 31 | 21 7 50 | 15♌36'45 | 6♒51 | 21♌ 3 | 15♋38 | 14♍35 | 28♍43 | 9♓28 | 1♍54 | 15♈25 | 13♉32 | 2°R57 | 2♒15 | 7♋25 | 17♒ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 22n27 | 26s31 | 3s 1 | 21n15 | 2s14 | 20n20 | 1s44 | 14n 0 | 1n 6 | 3n37 | 1n16 | 9s20 | 2s 0 | 12n 7 | 0n44 | 4n33 | 1s42 | 1n45 | 14s48 | 19s34 | 19s22 | 26n 1 | 8s55 | 6n46 |
| W 2 | 22 20 | 24 36 | 1 46 | 21 30 | 2 0 | 20 32 | 1 41 | 13 46 | 1 5 | 3 33 | 1 16 | 9 21 | 2 0 | 12 6 | 0 44 | 4 33 | 1 42 | 1 45 | 14 48 | 19 34 | 19 22 | 26 0 | 8 55 | 6 46 |
| T 3 | 22 12 | 20 56 | 0 24 | 21 45 | 1 46 | 20 44 | 1 39 | 13 33 | 1 5 | 3 30 | 1 15 | 9 22 | 2 0 | 12 5 | 0 44 | 4 33 | 1 42 | 1 45 | 14 49 | 19 34 | 19 23 | 25 59 | 8 56 | 6 47 |
| F 4 | 22 4 | 15 55 | 0n58 | 21 59 | 1 32 | 20 55 | 1 36 | 13 20 | 1 4 | 3 26 | 1 15 | 9 23 | 2 0 | 12 4 | 0 44 | 4 33 | 1 42 | 1 45 | 14 49 | 19 34 | 19 24 | 25 58 | 8 56 | 6 47 |
| S 5 | 21 55 | 10 5 | 2 15 | 22 13 | 1 18 | 21 6 | 1 34 | 13 7 | 1 4 | 3 22 | 1 15 | 9 24 | 2 1 | 12 3 | 0 44 | 4 33 | 1 42 | 1 45 | 14 49 | 19 34 | 19 25 | 25 57 | 8 57 | 6 47 |
| S 6 | 21 46 | 3 53 | 3 21 | 22 25 | 1 4 | 21 16 | 1 31 | 12 53 | 1 3 | 3 19 | 1 15 | 9 25 | 2 1 | 12 2 | 0 44 | 4 33 | 1 43 | 1 45 | 14 49 | 19 34 | 19 25 | 25 56 | 8 58 | 6 47 |
| M 7 | 21 37 | 2n18 | 4 14 | 22 37 | 0 50 | 21 26 | 1 28 | 12 40 | 1 3 | 3 15 | 1 15 | 9 26 | 2 1 | 12 1 | 0 44 | 4 33 | 1 43 | 1 44 | 14 50 | 19 34 | 19 26 | 25 55 | 8 58 | 6 47 |
| T 8 | 21 27 | 8 11 | 4 51 | 22 47 | 0 37 | 21 35 | 1 26 | 12 26 | 1 2 | 3 11 | 1 15 | 9 27 | 2 1 | 11 59 | 0 44 | 4 33 | 1 43 | 1 44 | 14 50 | 19 34 | 19 27 | 25 54 | 8 59 | 6 47 |
| W 9 | 21 17 | 13 31 | 5 12 | 22 55 | 0 23 | 21 43 | 1 23 | 12 12 | 1 2 | 3 8 | 1 14 | 9 28 | 2 2 | 11 58 | 0 44 | 4 33 | 1 43 | 1 44 | 14 50 | 19 34 | 19 28 | 25 53 | 9 0 | 6 48 |
| T 10 | 21 7 | 18 10 | 5 17 | 23 1 | 0 10 | 21 51 | 1 20 | 11 59 | 1 1 | 3 4 | 1 14 | 9 29 | 2 2 | 11 57 | 0 44 | 4 33 | 1 43 | 1 44 | 14 51 | 19 34 | 19 28 | 25 52 | 9 0 | 6 48 |
| F 11 | 20 56 | 21 56 | 5 8 | 23 5 | 0n 2 | 21 59 | 1 18 | 11 45 | 1 1 | 3 0 | 1 14 | 9 30 | 2 2 | 11 56 | 0 44 | 4 33 | 1 43 | 1 44 | 14 51 | 19 34 | 19 29 | 25 51 | 9 1 | 6 48 |
| S 12 | 20 45 | 24 41 | 4 45 | 23 8 | 0 14 | 22 6 | 1 15 | 11 31 | 1 0 | 2 56 | 1 14 | 9 32 | 2 2 | 11 55 | 0 44 | 4 33 | 1 43 | 1 44 | 14 51 | 19 34 | 19 30 | 25 50 | 9 2 | 6 48 |
| S 13 | 20 34 | 26 19 | 4 10 | 23 7 | 0 25 | 22 12 | 1 12 | 11 17 | 1 0 | 2 52 | 1 14 | 9 33 | 2 2 | 11 54 | 0 44 | 4 33 | 1 43 | 1 44 | 14 51 | 19 34 | 19 30 | 25 49 | 9 2 | 6 48 |
| M14 | 20 22 | 26 44 | 3 24 | 23 4 | 0 36 | 22 17 | 1 9 | 11 3 | 0 59 | 2 48 | 1 14 | 9 34 | 2 3 | 11 52 | 0 44 | 4 33 | 1 43 | 1 44 | 14 52 | 19 34 | 19 31 | 25 48 | 9 3 | 6 48 |
| T 15 | 20 10 | 25 56 | 2 30 | 22 59 | 0 46 | 22 23 | 1 6 | 10 49 | 0 59 | 2 44 | 1 13 | 9 35 | 2 3 | 11 51 | 0 44 | 4 33 | 1 43 | 1 44 | 14 52 | 19 34 | 19 32 | 25 47 | 9 4 | 6 48 |
| W16 | 19 57 | 23 58 | 1 29 | 22 51 | 0 56 | 22 27 | 1 3 | 10 34 | 0 58 | 2 40 | 1 13 | 9 37 | 2 3 | 11 50 | 0 44 | 4 33 | 1 43 | 1 43 | 14 52 | 19 34 | 19 33 | 25 46 | 9 5 | 6 48 |
| T 17 | 19 45 | 20 56 | 0 25 | 22 40 | 1 4 | 22 31 | 1 0 | 10 20 | 0 58 | 2 36 | 1 13 | 9 38 | 2 3 | 11 49 | 0 44 | 4 32 | 1 43 | 1 43 | 14 52 | 19 34 | 19 33 | 25 44 | 9 6 | 6 48 |
| F 18 | 19 31 | 17 1 | 0s42 | 22 27 | 1 12 | 22 34 | 0 57 | 10 5 | 0 57 | 2 32 | 1 13 | 9 39 | 2 3 | 11 47 | 0 44 | 4 32 | 1 43 | 1 43 | 14 53 | 19 34 | 19 34 | 25 43 | 9 6 | 6 49 |
| S 19 | 19 18 | 12 22 | 1 47 | 22 11 | 1 19 | 22 37 | 0 54 | 9 51 | 0 57 | 2 28 | 1 13 | 9 41 | 2 4 | 11 46 | 0 44 | 4 32 | 1 43 | 1 43 | 14 53 | 19 34 | 19 35 | 25 42 | 9 7 | 6 49 |
| S 20 | 19 4 | 7 11 | 2 48 | 21 52 | 1 25 | 22 38 | 0 51 | 9 36 | 0 56 | 2 24 | 1 13 | 9 42 | 2 4 | 11 45 | 0 44 | 4 32 | 1 43 | 1 43 | 14 53 | 19 34 | 19 36 | 25 41 | 9 8 | 6 49 |
| M21 | 18 50 | 1 39 | 3 42 | 21 31 | 1 31 | 22 40 | 0 48 | 9 22 | 0 56 | 2 20 | 1 12 | 9 44 | 2 4 | 11 44 | 0 44 | 4 32 | 1 43 | 1 43 | 14 54 | 19 34 | 19 36 | 25 40 | 9 9 | 6 49 |
| T 22 | 18 36 | 4s 2 | 4 26 | 21 7 | 1 35 | 22 40 | 0 45 | 9 7 | 0 55 | 2 15 | 1 12 | 9 45 | 2 4 | 11 42 | 0 44 | 4 32 | 1 44 | 1 42 | 14 54 | 19 34 | 19 37 | 25 39 | 9 10 | 6 49 |
| W23 | 18 21 | 9 40 | 4 58 | 20 41 | 1 39 | 22 41 | 0 42 | 8 52 | 0 55 | 2 11 | 1 12 | 9 47 | 2 4 | 11 41 | 0 44 | 4 31 | 1 44 | 1 42 | 14 54 | 19 35 | 19 38 | 25 38 | 9 11 | 6 49 |
| T 24 | 18 6 | 14 59 | 5 15 | 20 13 | 1 42 | 22 40 | 0 39 | 8 38 | 0 54 | 2 7 | 1 12 | 9 48 | 2 5 | 11 40 | 0 44 | 4 31 | 1 44 | 1 42 | 14 54 | 19 35 | 19 39 | 25 37 | 9 11 | 6 49 |
| F 25 | 17 51 | 19 43 | 5 15 | 19 43 | 1 44 | 22 39 | 0 36 | 8 23 | 0 54 | 2 2 | 1 12 | 9 50 | 2 5 | 11 39 | 0 44 | 4 31 | 1 44 | 1 42 | 14 55 | 19 35 | 19 39 | 25 36 | 9 12 | 6 49 |
| S 26 | 17 35 | 23 30 | 4 57 | 19 11 | 1 45 | 22 37 | 0 33 | 8 8 | 0 53 | 1 58 | 1 12 | 9 51 | 2 5 | 11 37 | 0 44 | 4 31 | 1 44 | 1 42 | 14 55 | 19 35 | 19 40 | 25 34 | 9 13 | 6 49 |
| S 27 | 17 19 | 25 58 | 4 21 | 18 37 | 1 46 | 22 34 | 0 30 | 7 53 | 0 52 | 1 54 | 1 12 | 9 53 | 2 5 | 11 36 | 0 44 | 4 31 | 1 44 | 1 41 | 14 55 | 19 35 | 19 41 | 25 33 | 9 14 | 6 49 |
| M28 | 17 3 | 26 44 | 3 27 | 18 2 | 1 46 | 22 31 | 0 27 | 7 38 | 0 52 | 1 49 | 1 12 | 9 54 | 2 5 | 11 35 | 0 43 | 4 30 | 1 44 | 1 41 | 14 55 | 19 34 | 19 41 | 25 32 | 9 15 | 6 49 |
| T 29 | 16 46 | 25 39 | 2 19 | 17 26 | 1 46 | 22 27 | 0 24 | 7 22 | 0 51 | 1 45 | 1 11 | 9 56 | 2 6 | 11 33 | 0 43 | 4 30 | 1 44 | 1 41 | 14 56 | 19 34 | 19 42 | 25 31 | 9 16 | 6 49 |
| W30 | 16 30 | 22 44 | 1 1 | 16 48 | 1 44 | 22 23 | 0 21 | 7 7 | 0 51 | 1 40 | 1 11 | 9 58 | 2 6 | 11 32 | 0 43 | 4 30 | 1 44 | 1 41 | 14 56 | 19 34 | 19 43 | 25 30 | 9 17 | 6 49 |
| T 31 | 16n13 | 18s16 | 0n22 | 16n 9 | 1n43 | 22n18 | 0s18 | 6n52 | 0n50 | 1n36 | 1n11 | 9s59 | 2s 6 | 11n31 | 0n43 | 4n29 | 1s44 | 1n40 | 14s56 | 19s34 | 19s44 | 25n29 | 9s18 | 6n49 |

Julian Day Number = 2223823.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'35, Lahiri = 15°09'36 Julian Calendar 1 July 1376 == Greg. Calendar 9 July 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## AUGUST 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 11 46 | 16♌34'28 | 21♒40 | 22♌58 | 16♋50 | 15♍13 | 28♍54 | 9°R24 | 1♍57 | 15°R24 | 13♉32 | 2°R56 | 2♒12 | 7♋32 | 16°R56 | F 1 |
| S 2 | 21 15 43 | 17°32'11 | 6♓15 | 24°52 | 18° 3 | 15°51 | 29° 5 | 9♓20 | 2° 1 | 15♈24 | 13°32 | 2♒55 | 2° 9 | 7°38 | 16♒53 | S 2 |
| S 3 | 21 19 39 | 18°29'56 | 20°30 | 26°44 | 19°15 | 16°29 | 29°17 | 9°16 | 2° 5 | 15°23 | 13°32 | 2°53 | 2° 6 | 7°45 | 16°50 | S 3 |
| M 4 | 21 23 36 | 19°27'43 | 4♈21 | 28°35 | 20°27 | 17° 8 | 29°28 | 9°11 | 2° 8 | 15°22 | 13°32 | 2°51 | 2° 2 | 7°51 | 16°47 | M 4 |
| T 5 | 21 27 32 | 20°25'31 | 17°46 | 0♍25 | 21°39 | 17°46 | 29°39 | 9° 7 | 2°12 | 15°21 | 13°R32 | 2°49 | 1°59 | 7°58 | 16°44 | T 5 |
| W 6 | 21 31 29 | 21°23'22 | 0♉46 | 2°14 | 22°52 | 18°24 | 29°51 | 9° 3 | 2°16 | 15°20 | 13°32 | 2°47 | 1°56 | 8° 5 | 16°41 | W 6 |
| T 7 | 21 35 25 | 22°21'14 | 13°24 | 4° 1 | 24° 4 | 19° 3 | 0♎ 2 | 8°59 | 2°20 | 15°20 | 13°32 | 2°46 | 1°53 | 8°11 | 16°38 | T 7 |
| F 8 | 21 39 22 | 23°19'08 | 25°42 | 5°47 | 25°17 | 19°41 | 0°13 | 8°54 | 2°23 | 15°19 | 13°32 | 2°D46 | 1°50 | 8°18 | 16°35 | F 8 |
| S 9 | 21 43 19 | 24°17'03 | 7♊46 | 7°31 | 26°29 | 20°20 | 0°25 | 8°50 | 2°27 | 15°18 | 13°32 | 2°47 | 1°46 | 8°25 | 16°32 | S 9 |
| S 10 | 21 47 15 | 25°15'01 | 19°40 | 9°14 | 27°42 | 20°58 | 0°37 | 8°46 | 2°31 | 15°17 | 13°32 | 2°48 | 1°43 | 8°31 | 16°29 | S 10 |
| M11 | 21 51 12 | 26°13'00 | 1♋29 | 10°56 | 28°55 | 21°37 | 0°48 | 8°41 | 2°34 | 15°16 | 13°32 | 2°50 | 1°40 | 8°38 | 16°26 | M11 |
| T 12 | 21 55 8 | 27°11'02 | 13°18 | 12°36 | 0♌ 7 | 22°16 | 1° 0 | 8°37 | 2°38 | 15°15 | 13°32 | 2°51 | 1°37 | 8°45 | 16°23 | T 12 |
| W13 | 21 59 5 | 28° 9'05 | 25° 9 | 14°16 | 1°20 | 22°54 | 1°12 | 8°32 | 2°42 | 15°14 | 13°31 | 2°52 | 1°34 | 8°51 | 16°20 | W13 |
| T 14 | 22 3 1 | 29° 7'09 | 7♌ 8 | 15°53 | 2°33 | 23°33 | 1°24 | 8°28 | 2°46 | 15°13 | 13°31 | 2°R52 | 1°31 | 8°58 | 16°17 | T 14 |
| F 15 | 22 6 58 | 0♍ 5'16 | 19°16 | 17°30 | 3°46 | 24°12 | 1°36 | 8°23 | 2°50 | 15°12 | 13°31 | 2°51 | 1°27 | 9° 5 | 16°14 | F 15 |
| S 16 | 22 10 54 | 1° 3'24 | 1♍35 | 19° 6 | 4°59 | 24°51 | 1°48 | 8°19 | 2°53 | 15°11 | 13°31 | 2°49 | 1°24 | 9°11 | 16°11 | S 16 |
| S 17 | 22 14 51 | 2° 1'34 | 14° 7 | 20°40 | 6°12 | 25°30 | 2° 0 | 8°14 | 2°57 | 15°10 | 13°31 | 2°45 | 1°21 | 9°18 | 16° 8 | S 17 |
| M18 | 22 18 48 | 2°59'46 | 26°53 | 22°13 | 7°25 | 26° 9 | 2°12 | 8° 9 | 3° 1 | 15° 9 | 13°30 | 2°40 | 1°18 | 9°25 | 16° 5 | M18 |
| T 19 | 22 22 44 | 3°57'59 | 9♎52 | 23°45 | 8°38 | 26°48 | 2°24 | 8° 5 | 3° 5 | 15° 8 | 13°30 | 2°35 | 1°15 | 9°31 | 16° 3 | T 19 |
| W20 | 22 26 41 | 4°56'14 | 23° 4 | 25°15 | 9°52 | 27°27 | 2°36 | 8° 0 | 3° 8 | 15° 6 | 13°30 | 2°30 | 1°12 | 9°38 | 16° 0 | W20 |
| T 21 | 22 30 37 | 5°54'31 | 6♏30 | 26°45 | 11° 5 | 28° 6 | 2°48 | 7°56 | 3°12 | 15° 5 | 13°29 | 2°26 | 1° 8 | 9°45 | 15°57 | T 21 |
| F 22 | 22 34 34 | 6°52'49 | 20° 9 | 28°13 | 12°18 | 28°45 | 3° 1 | 7°51 | 3°16 | 15° 4 | 13°29 | 2°24 | 1° 5 | 9°51 | 15°54 | F 22 |
| S 23 | 22 38 30 | 7°51'09 | 4♐ 1 | 29°40 | 13°31 | 29°24 | 3°13 | 7°46 | 3°20 | 15° 3 | 13°29 | 2°D23 | 1° 2 | 9°58 | 15°51 | S 23 |
| S 24 | 22 42 27 | 8°49'30 | 18° 4 | 1♎ 5 | 14°45 | 0♎ 3 | 3°25 | 7°42 | 3°23 | 15° 1 | 13°28 | 2°23 | 0°59 | 10° 5 | 15°49 | S 24 |
| M25 | 22 46 23 | 9°47'53 | 2♑19 | 2°29 | 15°58 | 0°42 | 3°38 | 7°37 | 3°27 | 15° 0 | 13°28 | 2°24 | 0°56 | 10°11 | 15°46 | M25 |
| T 26 | 22 50 20 | 10°46'18 | 16°42 | 3°52 | 17°12 | 1°22 | 3°50 | 7°33 | 3°31 | 14°59 | 13°27 | 2°25 | 0°52 | 10°18 | 15°43 | T 26 |
| W27 | 22 54 17 | 11°44'44 | 1♒12 | 5°14 | 18°25 | 2° 1 | 4° 3 | 7°28 | 3°35 | 14°58 | 13°27 | 2°R26 | 0°49 | 10°25 | 15°41 | W27 |
| T 28 | 22 58 13 | 12°43'12 | 15°44 | 6°34 | 19°39 | 2°40 | 4°15 | 7°23 | 3°38 | 14°56 | 13°27 | 2°25 | 0°46 | 10°31 | 15°38 | T 28 |
| F 29 | 23 2 10 | 13°41'41 | 0♓12 | 7°53 | 20°53 | 3°20 | 4°28 | 7°19 | 3°42 | 14°55 | 13°26 | 2°23 | 0°43 | 10°38 | 15°35 | F 29 |
| S 30 | 23 6 6 | 14°40'13 | 14°32 | 9°11 | 22° 6 | 3°59 | 4°40 | 7°14 | 3°46 | 14°53 | 13°26 | 2°18 | 0°40 | 10°45 | 15°33 | S 30 |
| S 31 | 23 10 3 | 15♍38'46 | 28♓37 | 10♎27 | 23♌20 | 4♎39 | 4♎53 | 7♓10 | 3♍50 | 14♈52 | 13♉25 | 2♒12 | 0♒37 | 10♋51 | 15♒30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n55 | 12s43 | 1n42 | 15n29 | 1n40 | 22n12 | 0s15 | 6n37 | 0n50 | 1n31 | 1n11 | 10s 1 | 2s 6 | 11n29 | 0n43 | 4n29 | 1s44 | 1n40 | 14s57 | 19s34 | 19s44 | 25n27 | 9s19 | 6n49 |
| S 2 | 15 38 | 6 33 | 2 54 | 14 48 | 1 37 | 22 6 | 0 12 | 6 21 | 0 49 | 1 27 | 1 11 | 10 3 | 2 6 | 11 28 | 0 43 | 4 29 | 1 44 | 1 40 | 14 57 | 19 34 | 19 45 | 25 26 | 9 20 | 6 49 |
| S 3 | 15 20 | 0 12 | 3 54 | 14 7 | 1 34 | 21 59 | 0 9 | 6 6 | 0 49 | 1 22 | 1 11 | 10 4 | 2 6 | 11 27 | 0 43 | 4 28 | 1 44 | 1 40 | 14 57 | 19 35 | 19 46 | 25 25 | 9 21 | 6 49 |
| M 4 | 15 2 | 5n59 | 4 38 | 13 25 | 1 30 | 21 51 | 0 6 | 5 51 | 0 48 | 1 18 | 1 11 | 10 6 | 2 6 | 11 25 | 0 43 | 4 28 | 1 44 | 1 39 | 14 57 | 19 35 | 19 46 | 25 24 | 9 21 | 6 49 |
| T 5 | 14 44 | 11 41 | 5 5 | 12 42 | 1 26 | 21 43 | 0 3 | 5 35 | 0 48 | 1 13 | 1 11 | 10 8 | 2 7 | 11 24 | 0 43 | 4 28 | 1 44 | 1 39 | 14 58 | 19 36 | 19 47 | 25 23 | 9 22 | 6 49 |
| W 6 | 14 25 | 16 42 | 5 16 | 11 59 | 1 21 | 21 34 | 0 1 | 5 19 | 0 47 | 1 8 | 1 10 | 10 10 | 2 7 | 11 23 | 0 43 | 4 27 | 1 44 | 1 39 | 14 58 | 19 36 | 19 48 | 25 21 | 9 23 | 6 48 |
| T 7 | 14 7 | 20 50 | 5 10 | 11 16 | 1 17 | 21 25 | 0n 2 | 5 4 | 0 47 | 1 4 | 1 10 | 10 11 | 2 7 | 11 21 | 0 43 | 4 27 | 1 44 | 1 39 | 14 58 | 19 36 | 19 49 | 25 20 | 9 24 | 6 48 |
| F 8 | 13 48 | 23 57 | 4 51 | 10 32 | 1 11 | 21 14 | 0 5 | 4 48 | 0 46 | 0 59 | 1 10 | 10 13 | 2 7 | 11 20 | 0 43 | 4 27 | 1 44 | 1 38 | 14 59 | 19 37 | 19 49 | 25 19 | 9 25 | 6 48 |
| S 9 | 13 28 | 25 56 | 4 19 | 9 48 | 1 6 | 21 4 | 0 8 | 4 33 | 0 46 | 0 54 | 1 10 | 10 15 | 2 7 | 11 19 | 0 43 | 4 26 | 1 45 | 1 38 | 14 59 | 19 36 | 19 50 | 25 18 | 9 26 | 6 48 |
| S 10 | 13 9 | 26 43 | 3 36 | 9 3 | 1 0 | 20 52 | 0 11 | 4 17 | 0 45 | 0 50 | 1 10 | 10 17 | 2 7 | 11 17 | 0 43 | 4 26 | 1 45 | 1 38 | 14 59 | 19 36 | 19 51 | 25 16 | 9 27 | 6 48 |
| M11 | 12 49 | 26 15 | 2 44 | 8 19 | 0 53 | 20 40 | 0 14 | 4 1 | 0 45 | 0 45 | 1 10 | 10 18 | 2 7 | 11 16 | 0 43 | 4 25 | 1 45 | 1 37 | 14 59 | 19 36 | 19 51 | 25 15 | 9 28 | 6 48 |
| T 12 | 12 29 | 24 37 | 1 46 | 7 35 | 0 47 | 20 28 | 0 16 | 3 45 | 0 44 | 0 40 | 1 10 | 10 20 | 2 7 | 11 15 | 0 43 | 4 25 | 1 45 | 1 37 | 15 0 | 19 35 | 19 52 | 25 14 | 9 29 | 6 48 |
| W13 | 12 9 | 21 52 | 0 42 | 6 50 | 0 40 | 20 15 | 0 19 | 3 29 | 0 43 | 0 35 | 1 10 | 10 22 | 2 8 | 11 13 | 0 43 | 4 25 | 1 45 | 1 37 | 15 0 | 19 35 | 19 53 | 25 13 | 9 30 | 6 48 |
| T 14 | 11 49 | 18 11 | 0s23 | 6 6 | 0 33 | 20 1 | 0 22 | 3 14 | 0 43 | 0 30 | 1 10 | 10 24 | 2 8 | 11 12 | 0 43 | 4 24 | 1 45 | 1 37 | 15 0 | 19 35 | 19 54 | 25 11 | 9 31 | 6 48 |
| F 15 | 11 29 | 13 41 | 1 29 | 5 22 | 0 26 | 19 46 | 0 25 | 2 58 | 0 42 | 0 25 | 1 9 | 10 26 | 2 8 | 11 11 | 0 43 | 4 24 | 1 45 | 1 36 | 15 1 | 19 35 | 19 54 | 25 10 | 9 32 | 6 47 |
| S 16 | 11 8 | 8 36 | 2 31 | 4 37 | 0 19 | 19 31 | 0 27 | 2 42 | 0 42 | 0 21 | 1 9 | 10 27 | 2 8 | 11 9 | 0 43 | 4 23 | 1 45 | 1 36 | 15 1 | 19 36 | 19 55 | 25 9 | 9 33 | 6 47 |
| S 17 | 10 47 | 3 5 | 3 27 | 3 53 | 0 12 | 19 16 | 0 30 | 2 26 | 0 41 | 0 16 | 1 9 | 10 29 | 2 8 | 11 8 | 0 43 | 4 23 | 1 45 | 1 36 | 15 1 | 19 37 | 19 56 | 25 8 | 9 34 | 6 47 |
| M18 | 10 26 | 2s38 | 4 14 | 3 10 | 0 4 | 19 0 | 0 32 | 2 10 | 0 41 | 0 11 | 1 9 | 10 31 | 2 8 | 11 6 | 0 43 | 4 22 | 1 45 | 1 35 | 15 1 | 19 38 | 19 56 | 25 6 | 9 35 | 6 47 |
| T 19 | 10 5 | 8 20 | 4 48 | 2 26 | 0s 4 | 18 43 | 0 35 | 1 54 | 0 40 | 0 6 | 1 9 | 10 33 | 2 8 | 11 5 | 0 43 | 4 22 | 1 45 | 1 35 | 15 2 | 19 39 | 19 57 | 25 5 | 9 36 | 6 47 |
| W20 | 9 44 | 13 45 | 5 8 | 1 43 | 0 11 | 18 26 | 0 37 | 1 38 | 0 40 | 0 1 | 1 9 | 10 35 | 2 8 | 11 4 | 0 43 | 4 21 | 1 45 | 1 35 | 15 2 | 19 40 | 19 58 | 25 4 | 9 37 | 6 47 |
| T 21 | 9 23 | 18 37 | 5 11 | 1 0 | 0 19 | 18 9 | 0 40 | 1 21 | 0 39 | 0s 4 | 1 9 | 10 36 | 2 8 | 11 2 | 0 43 | 4 21 | 1 45 | 1 34 | 15 2 | 19 41 | 19 58 | 25 2 | 9 38 | 6 46 |
| F 22 | 9 1 | 22 37 | 4 57 | 0 18 | 0 27 | 17 50 | 0 42 | 1 5 | 0 39 | 0 9 | 1 9 | 10 38 | 2 8 | 11 1 | 0 43 | 4 20 | 1 45 | 1 34 | 15 2 | 19 42 | 19 59 | 25 1 | 9 39 | 6 46 |
| S 23 | 8 39 | 25 22 | 4 26 | 0s24 | 0 35 | 17 32 | 0 44 | 0 49 | 0 38 | 0 14 | 1 9 | 10 40 | 2 8 | 11 0 | 0 43 | 4 20 | 1 45 | 1 33 | 15 3 | 19 42 | 20 0 | 25 0 | 9 40 | 6 46 |
| S 24 | 8 17 | 26 36 | 3 38 | 1 6 | 0 43 | 17 13 | 0 47 | 0 33 | 0 37 | 0 19 | 1 9 | 10 42 | 2 8 | 10 58 | 0 43 | 4 19 | 1 45 | 1 33 | 15 3 | 19 42 | 20 1 | 24 58 | 9 41 | 6 46 |
| M25 | 7 55 | 26 7 | 2 37 | 1 47 | 0 52 | 16 53 | 0 49 | 0 17 | 0 37 | 0 24 | 1 9 | 10 44 | 2 8 | 10 57 | 0 43 | 4 19 | 1 45 | 1 33 | 15 3 | 19 42 | 20 1 | 24 57 | 9 42 | 6 45 |
| T 26 | 7 33 | 23 52 | 1 25 | 2 28 | 1 0 | 16 33 | 0 51 | 0 1 | 0 36 | 0 29 | 1 9 | 10 45 | 2 8 | 10 56 | 0 43 | 4 18 | 1 45 | 1 32 | 15 3 | 19 41 | 20 2 | 24 56 | 9 43 | 6 45 |
| W27 | 7 11 | 20 4 | 0 7 | 3 8 | 1 8 | 16 12 | 0 53 | 0s15 | 0 36 | 0 34 | 1 9 | 10 47 | 2 9 | 10 54 | 0 43 | 4 18 | 1 45 | 1 32 | 15 4 | 19 41 | 20 3 | 24 54 | 9 44 | 6 45 |
| T 28 | 6 49 | 15 2 | 1n12 | 3 47 | 1 16 | 15 51 | 0 55 | 0 32 | 0 35 | 0 39 | 1 8 | 10 49 | 2 9 | 10 53 | 0 43 | 4 17 | 1 45 | 1 32 | 15 4 | 19 41 | 20 3 | 24 53 | 9 45 | 6 45 |
| F 29 | 6 26 | 9 11 | 2 25 | 4 26 | 1 24 | 15 29 | 0 57 | 0 48 | 0 35 | 0 44 | 1 8 | 10 51 | 2 9 | 10 52 | 0 43 | 4 17 | 1 45 | 1 31 | 15 4 | 19 42 | 20 4 | 24 52 | 9 46 | 6 45 |
| S 30 | 6 3 | 2 55 | 3 28 | 5 4 | 1 32 | 15 7 | 0 59 | 1 4 | 0 34 | 0 49 | 1 8 | 10 52 | 2 9 | 10 50 | 0 43 | 4 16 | 1 45 | 1 31 | 15 4 | 19 43 | 20 5 | 24 50 | 9 47 | 6 44 |
| S 31 | 5n41 | 3n23 | 4n18 | 5s41 | 1s40 | 14n45 | 1n 1 | 1s20 | 0n34 | 0s54 | 1n 8 | 10s54 | 2s 9 | 10n49 | 0n43 | 4n15 | 1s45 | 1n31 | 15s 5 | 19s44 | 20s 5 | 24n49 | 9s48 | 6n44 |

Julian Day Number = 2223854.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'39, Lahiri = 15°09'40 Julian Calendar 1 Aug. 1376 == Greg. Calendar 9 Aug. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## SEPTEMBER 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 13 59 | 16♍37'21 | 12♈23 | 11♎41 | 24♌34 | 5♎19 | 5♎ 6 | 7°R 5 | 3♍53 | 14°R51 | 13°R25 | 2°R 5 | 0♒33 | 10♋58 | 15°R28 | M 1 |
| T 2 | 23 17 56 | 17°35'58 | 25°47 | 12°54 | 25°48 | 5°58 | 5°18 | 7♓ 1 | 3°57 | 14♈49 | 13♉24 | 1♒57 | 0°30 | 11° 4 | 15♒25 | T 2 |
| W 3 | 23 21 52 | 18°34'38 | 8♉48 | 14° 5 | 27° 2 | 6°38 | 5°31 | 6°56 | 4° 1 | 14°48 | 13°23 | 1°50 | 0°27 | 11°11 | 15°23 | W 3 |
| T 4 | 23 25 49 | 19°33'20 | 21°27 | 15°14 | 28°16 | 7°18 | 5°44 | 6°52 | 4° 4 | 14°46 | 13°23 | 1°45 | 0°24 | 11°18 | 15°21 | T 4 |
| F 5 | 23 29 45 | 20°32'04 | 3♊46 | 16°21 | 29°30 | 7°57 | 5°56 | 6°47 | 4° 8 | 14°45 | 13°22 | 1°41 | 0°21 | 11°24 | 15°18 | F 5 |
| S 6 | 23 33 42 | 21°30'50 | 15°51 | 17°26 | 0♍44 | 8°37 | 6° 9 | 6°43 | 4°12 | 14°43 | 13°22 | 1°40 | 0°17 | 11°31 | 15°16 | S 6 |
| S 7 | 23 37 39 | 22°29'39 | 27°45 | 18°28 | 1°58 | 9°17 | 6°22 | 6°38 | 4°15 | 14°42 | 13°21 | 1°D40 | 0°14 | 11°38 | 15°14 | S 7 |
| M 8 | 23 41 35 | 23°28'30 | 9♋34 | 19°29 | 3°12 | 9°57 | 6°35 | 6°34 | 4°19 | 14°40 | 13°20 | 1°41 | 0°11 | 11°44 | 15°12 | M 8 |
| T 9 | 23 45 32 | 24°27'23 | 21°23 | 20°27 | 4°26 | 10°37 | 6°48 | 6°30 | 4°22 | 14°39 | 13°20 | 1°42 | 0° 8 | 11°51 | 15° 9 | T 9 |
| W10 | 23 49 28 | 25°26'18 | 3♌17 | 21°22 | 5°40 | 11°17 | 7° 1 | 6°26 | 4°26 | 14°37 | 13°19 | 1°R42 | 0° 5 | 11°58 | 15° 7 | W10 |
| T 11 | 23 53 25 | 26°25'16 | 15°21 | 22°14 | 6°55 | 11°57 | 7°14 | 6°21 | 4°30 | 14°36 | 13°18 | 1°41 | 0° 2 | 12° 4 | 15° 5 | T 11 |
| F 12 | 23 57 21 | 27°24'16 | 27°38 | 23° 2 | 8° 9 | 12°37 | 7°26 | 6°17 | 4°33 | 14°34 | 13°18 | 1°38 | 29♑58 | 12°11 | 15° 3 | F 12 |
| S 13 | 0 1 18 | 28°23'18 | 10♍11 | 23°47 | 9°23 | 13°17 | 7°39 | 6°13 | 4°37 | 14°32 | 13°17 | 1°32 | 29°55 | 12°18 | 15° 1 | S 13 |
| S 14 | 0 5 14 | 29°22'22 | 23° 1 | 24°29 | 10°38 | 13°57 | 7°52 | 6° 9 | 4°40 | 14°31 | 13°16 | 1°24 | 29°52 | 12°24 | 14°59 | S 14 |
| M15 | 0 9 11 | 0♎21'28 | 6♎ 9 | 25° 6 | 11°52 | 14°38 | 8° 5 | 6° 5 | 4°44 | 14°29 | 13°15 | 1°15 | 29°49 | 12°31 | 14°57 | M15 |
| T 16 | 0 13 8 | 1°20'36 | 19°32 | 25°38 | 13° 7 | 15°18 | 8°18 | 6° 1 | 4°47 | 14°28 | 13°14 | 1° 4 | 29°46 | 12°38 | 14°56 | T 16 |
| W17 | 0 17 4 | 2°19'47 | 3♏10 | 26° 6 | 14°21 | 15°58 | 8°31 | 5°57 | 4°51 | 14°26 | 13°14 | 0°54 | 29°43 | 12°44 | 14°54 | W17 |
| T 18 | 0 21 1 | 3°18'59 | 16°58 | 26°28 | 15°36 | 16°39 | 8°44 | 5°53 | 4°54 | 14°24 | 13°13 | 0°45 | 29°39 | 12°51 | 14°52 | T 18 |
| F 19 | 0 24 57 | 4°18'13 | 0♐53 | 26°44 | 16°50 | 17°19 | 8°57 | 5°50 | 4°58 | 14°23 | 13°12 | 0°39 | 29°36 | 12°58 | 14°50 | F 19 |
| S 20 | 0 28 54 | 5°17'29 | 14°54 | 26°54 | 18° 5 | 18° 0 | 9°10 | 5°46 | 5° 1 | 14°21 | 13°11 | 0°35 | 29°33 | 13° 4 | 14°49 | S 20 |
| S 21 | 0 32 50 | 6°16'47 | 28°59 | 26°R57 | 19°20 | 18°40 | 9°23 | 5°42 | 5° 4 | 14°19 | 13°10 | 0°33 | 29°30 | 13°11 | 14°47 | S 21 |
| M22 | 0 36 47 | 7°16'07 | 13♑ 5 | 26°53 | 20°34 | 19°21 | 9°37 | 5°39 | 5° 8 | 14°18 | 13° 9 | 0°D33 | 29°27 | 13°18 | 14°46 | M22 |
| T 23 | 0 40 43 | 8°15'28 | 27°13 | 26°41 | 21°49 | 20° 2 | 9°50 | 5°35 | 5°11 | 14°16 | 13° 9 | 0°R33 | 29°23 | 13°24 | 14°44 | T 23 |
| W24 | 0 44 40 | 9°14'51 | 11♒20 | 26°21 | 23° 4 | 20°42 | 10° 3 | 5°32 | 5°14 | 14°14 | 13° 8 | 0°33 | 29°20 | 13°31 | 14°43 | W24 |
| T 25 | 0 48 37 | 10°14'16 | 25°26 | 25°53 | 24°18 | 21°23 | 10°16 | 5°28 | 5°18 | 14°13 | 13° 7 | 0°31 | 29°17 | 13°37 | 14°42 | T 25 |
| F 26 | 0 52 33 | 11°13'42 | 9♓29 | 25°16 | 25°33 | 22° 4 | 10°29 | 5°25 | 5°21 | 14°11 | 13° 6 | 0°26 | 29°14 | 13°44 | 14°40 | F 26 |
| S 27 | 0 56 30 | 12°13'11 | 23°24 | 24°32 | 26°48 | 22°45 | 10°42 | 5°22 | 5°24 | 14° 9 | 13° 5 | 0°18 | 29°11 | 13°51 | 14°39 | S 27 |
| S 28 | 1 0 26 | 13°12'41 | 7♈ 8 | 23°39 | 28° 3 | 23°26 | 10°55 | 5°19 | 5°27 | 14° 8 | 13° 4 | 0° 8 | 29° 8 | 13°57 | 14°38 | S 28 |
| M29 | 1 4 23 | 14°12'14 | 20°38 | 22°39 | 29°18 | 24° 7 | 11° 8 | 5°15 | 5°30 | 14° 6 | 13° 3 | 29♑56 | 29° 4 | 14° 4 | 14°37 | M29 |
| T 30 | 1 8 19 | 15♎11'48 | 3♉51 | 21♎33 | 0♎33 | 24♎48 | 11♎21 | 5♓12 | 5♍33 | 14♈ 4 | 13♉ 2 | 29♑43 | 29♑ 1 | 14♋11 | 14♒36 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n18 | 9n22 | 4n51 | 6s18 | 1s49 | 14n22 | 1n 3 | 1s37 | 0n33 | 0s59 | 1n 8 | 10s56 | 2s 9 | 10n48 | 0n43 | 4n15 | 1s46 | 1n30 | 15s 5 | 19s46 | 20s 6 | 24n47 | 9s49 | 6n44 |
| T 2 | 4 55 | 14 45 | 5 7 | 6 54 | 1 56 | 13 59 | 1 5 | 1 53 | 0 32 | 1 4 | 1 8 | 10 57 | 2 9 | 10 46 | 0 43 | 4 14 | 1 46 | 1 30 | 15 5 | 19 48 | 20 7 | 24 46 | 9 50 | 6 43 |
| W 3 | 4 32 | 19 18 | 5 6 | 7 29 | 2 4 | 13 35 | 1 7 | 2 9 | 0 32 | 1 9 | 1 8 | 10 59 | 2 9 | 10 45 | 0 44 | 4 14 | 1 46 | 1 29 | 15 5 | 19 49 | 20 7 | 24 45 | 9 51 | 6 43 |
| T 4 | 4 9 | 22 51 | 4 51 | 8 3 | 2 12 | 13 11 | 1 8 | 2 25 | 0 31 | 1 15 | 1 8 | 11 1 | 2 9 | 10 44 | 0 44 | 4 13 | 1 46 | 1 29 | 15 6 | 19 50 | 20 8 | 24 43 | 9 52 | 6 43 |
| F 5 | 3 46 | 25 16 | 4 22 | 8 36 | 2 20 | 12 47 | 1 10 | 2 42 | 0 31 | 1 20 | 1 8 | 11 2 | 2 9 | 10 42 | 0 44 | 4 12 | 1 46 | 1 29 | 15 6 | 19 51 | 20 9 | 24 42 | 9 53 | 6 43 |
| S 6 | 3 23 | 26 26 | 3 42 | 9 8 | 2 27 | 12 22 | 1 12 | 2 58 | 0 30 | 1 25 | 1 8 | 11 4 | 2 9 | 10 41 | 0 44 | 4 12 | 1 46 | 1 28 | 15 6 | 19 51 | 20 9 | 24 40 | 9 54 | 6 42 |
| S 7 | 2 59 | 26 23 | 2 53 | 9 38 | 2 34 | 11 57 | 1 13 | 3 14 | 0 30 | 1 30 | 1 8 | 11 6 | 2 9 | 10 40 | 0 44 | 4 11 | 1 46 | 1 28 | 15 6 | 19 51 | 20 10 | 24 39 | 9 55 | 6 42 |
| M 8 | 2 36 | 25 7 | 1 56 | 10 8 | 2 41 | 11 31 | 1 15 | 3 30 | 0 29 | 1 35 | 1 8 | 11 7 | 2 9 | 10 38 | 0 44 | 4 11 | 1 46 | 1 27 | 15 7 | 19 51 | 20 11 | 24 38 | 9 56 | 6 42 |
| T 9 | 2 13 | 22 44 | 0 55 | 10 36 | 2 48 | 11 6 | 1 16 | 3 47 | 0 29 | 1 40 | 1 8 | 11 9 | 2 9 | 10 37 | 0 44 | 4 10 | 1 46 | 1 27 | 15 7 | 19 51 | 20 12 | 24 36 | 9 57 | 6 41 |
| W10 | 1 49 | 19 21 | 0s 9 | 11 3 | 2 54 | 10 39 | 1 17 | 4 3 | 0 28 | 1 45 | 1 8 | 11 11 | 2 9 | 10 36 | 0 44 | 4 9 | 1 46 | 1 27 | 15 7 | 19 51 | 20 12 | 24 35 | 9 58 | 6 41 |
| T 11 | 1 26 | 15 8 | 1 13 | 11 28 | 3 0 | 10 13 | 1 18 | 4 19 | 0 27 | 1 50 | 1 8 | 11 12 | 2 9 | 10 34 | 0 44 | 4 9 | 1 46 | 1 26 | 15 7 | 19 51 | 20 13 | 24 33 | 9 59 | 6 41 |
| F 12 | 1 2 | 10 14 | 2 15 | 11 52 | 3 6 | 9 46 | 1 20 | 4 35 | 0 27 | 1 56 | 1 8 | 11 14 | 2 9 | 10 33 | 0 44 | 4 8 | 1 46 | 1 26 | 15 7 | 19 52 | 20 14 | 24 32 | 9 59 | 6 40 |
| S 13 | 0 39 | 4 50 | 3 11 | 12 13 | 3 11 | 9 19 | 1 21 | 4 52 | 0 26 | 2 1 | 1 8 | 11 15 | 2 9 | 10 32 | 0 44 | 4 7 | 1 46 | 1 25 | 15 8 | 19 53 | 20 14 | 24 30 | 10 0 | 6 40 |
| S 14 | 0 15 | 0s53 | 3 59 | 12 33 | 3 16 | 8 52 | 1 22 | 5 8 | 0 26 | 2 6 | 1 8 | 11 17 | 2 9 | 10 30 | 0 44 | 4 7 | 1 46 | 1 25 | 15 8 | 19 55 | 20 15 | 24 29 | 10 1 | 6 40 |
| M15 | 0s 9 | 6 40 | 4 36 | 12 51 | 3 20 | 8 24 | 1 23 | 5 24 | 0 25 | 2 11 | 1 8 | 11 18 | 2 8 | 10 29 | 0 44 | 4 6 | 1 46 | 1 25 | 15 8 | 19 57 | 20 16 | 24 27 | 10 2 | 6 39 |
| T 16 | 0 32 | 12 15 | 4 58 | 13 6 | 3 24 | 7 57 | 1 24 | 5 40 | 0 25 | 2 16 | 1 8 | 11 19 | 2 8 | 10 28 | 0 44 | 4 6 | 1 46 | 1 24 | 15 8 | 19 59 | 20 16 | 24 26 | 10 3 | 6 39 |
| W17 | 0 56 | 17 21 | 5 4 | 13 19 | 3 27 | 7 29 | 1 25 | 5 56 | 0 24 | 2 21 | 1 8 | 11 21 | 2 8 | 10 27 | 0 44 | 4 5 | 1 46 | 1 24 | 15 8 | 20 2 | 20 17 | 24 24 | 10 4 | 6 39 |
| T 18 | 1 19 | 21 37 | 4 52 | 13 29 | 3 29 | 7 0 | 1 25 | 6 12 | 0 23 | 2 27 | 1 8 | 11 22 | 2 8 | 10 25 | 0 44 | 4 4 | 1 46 | 1 23 | 15 9 | 20 3 | 20 18 | 24 23 | 10 5 | 6 38 |
| F 19 | 1 43 | 24 41 | 4 23 | 13 36 | 3 30 | 6 32 | 1 26 | 6 28 | 0 23 | 2 32 | 1 8 | 11 24 | 2 8 | 10 24 | 0 44 | 4 4 | 1 46 | 1 23 | 15 9 | 20 5 | 20 18 | 24 21 | 10 6 | 6 38 |
| S 20 | 2 7 | 26 16 | 3 38 | 13 40 | 3 30 | 6 3 | 1 27 | 6 44 | 0 22 | 2 37 | 1 7 | 11 25 | 2 8 | 10 23 | 0 44 | 4 3 | 1 46 | 1 23 | 15 9 | 20 6 | 20 19 | 24 20 | 10 6 | 6 37 |
| S 21 | 2 30 | 26 11 | 2 40 | 13 41 | 3 30 | 5 35 | 1 27 | 7 0 | 0 22 | 2 42 | 1 7 | 11 26 | 2 8 | 10 22 | 0 44 | 4 2 | 1 46 | 1 22 | 15 9 | 20 6 | 20 20 | 24 18 | 10 7 | 6 37 |
| M22 | 2 54 | 24 24 | 1 32 | 13 37 | 3 28 | 5 6 | 1 28 | 7 16 | 0 21 | 2 47 | 1 7 | 11 27 | 2 8 | 10 21 | 0 44 | 4 2 | 1 46 | 1 22 | 15 9 | 20 6 | 20 20 | 24 17 | 10 8 | 6 37 |
| T 23 | 3 17 | 21 5 | 0 18 | 13 30 | 3 24 | 4 36 | 1 28 | 7 32 | 0 21 | 2 52 | 1 7 | 11 29 | 2 8 | 10 19 | 0 44 | 4 1 | 1 46 | 1 21 | 15 9 | 20 6 | 20 21 | 24 15 | 10 9 | 6 36 |
| W24 | 3 41 | 16 31 | 0n57 | 13 18 | 3 19 | 4 7 | 1 29 | 7 48 | 0 20 | 2 57 | 1 7 | 11 30 | 2 8 | 10 18 | 0 44 | 4 0 | 1 46 | 1 21 | 15 10 | 20 6 | 20 22 | 24 14 | 10 9 | 6 36 |
| T 25 | 4 4 | 11 4 | 2 8 | 13 1 | 3 13 | 3 38 | 1 29 | 8 4 | 0 19 | 3 3 | 1 7 | 11 31 | 2 8 | 10 17 | 0 44 | 4 0 | 1 46 | 1 21 | 15 10 | 20 7 | 20 22 | 24 12 | 10 10 | 6 35 |
| F 26 | 4 27 | 5 6 | 3 11 | 12 40 | 3 4 | 3 8 | 1 29 | 8 20 | 0 19 | 3 8 | 1 7 | 11 32 | 2 8 | 10 16 | 0 44 | 3 59 | 1 46 | 1 20 | 15 10 | 20 8 | 20 23 | 24 11 | 10 11 | 6 35 |
| S 27 | 4 51 | 1n 4 | 4 2 | 12 14 | 2 54 | 2 38 | 1 29 | 8 36 | 0 18 | 3 13 | 1 7 | 11 33 | 2 8 | 10 15 | 0 44 | 3 58 | 1 46 | 1 20 | 15 10 | 20 9 | 20 24 | 24 9 | 10 12 | 6 35 |
| S 28 | 5 14 | 7 5 | 4 38 | 11 43 | 2 42 | 2 9 | 1 29 | 8 51 | 0 18 | 3 18 | 1 7 | 11 34 | 2 8 | 10 14 | 0 44 | 3 58 | 1 46 | 1 19 | 15 10 | 20 12 | 20 24 | 24 8 | 10 12 | 6 34 |
| M29 | 5 37 | 12 40 | 4 57 | 11 8 | 2 29 | 1 39 | 1 29 | 9 7 | 0 17 | 3 23 | 1 7 | 11 35 | 2 8 | 10 12 | 0 44 | 3 57 | 1 46 | 1 19 | 15 10 | 20 14 | 20 25 | 24 6 | 10 13 | 6 34 |
| T 30 | 6s 0 | 17n33 | 5n 0 | 10s29 | 2s13 | 1n 9 | 1n29 | 9s23 | 0n16 | 3s28 | 1n 7 | 11s36 | 2s 7 | 10n11 | 0n44 | 3n56 | 1s46 | 1n19 | 15s10 | 20s17 | 20s26 | 24n 5 | 10s14 | 6n33 |

Julian Day Number = 2223885.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'44, Lahiri = 15°09'44 Julian Calendar 1 Sept. 1376 == Greg. Calendar 9 Sept. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## OCTOBER 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 12 16 | 16♎11'25 | 16♉45 | 20°R22 | 1♎48 | 25♎29 | 11♎34 | 5°R10 | 5♍37 | 14°R 3 | 13°R 1 | 29°R31 | 28♑58 | 14♋17 | 14°R35 | W 1 |
| T 2 | 1 16 12 | 17°11'04 | 29°20 | 19♎ 8 | 3° 3 | 26°10 | 11°47 | 5♓ 7 | 5°40 | 14♈ 1 | 13♉ 0 | 29♑21 | 28°55 | 14°24 | 14♒34 | T 2 |
| F 3 | 1 20 9 | 18°10'45 | 11♊38 | 17°54 | 4°18 | 26°51 | 12° 0 | 5° 4 | 5°43 | 13°59 | 12°59 | 29°14 | 28°52 | 14°31 | 14°33 | F 3 |
| S 4 | 1 24 6 | 19°10'28 | 23°42 | 16°40 | 5°33 | 27°32 | 12°13 | 5° 1 | 5°46 | 13°58 | 12°58 | 29° 9 | 28°49 | 14°37 | 14°32 | S 4 |
| S 5 | 1 28 2 | 20°10'14 | 5♋35 | 15°30 | 6°48 | 28°13 | 12°26 | 4°59 | 5°49 | 13°56 | 12°57 | 29° 6 | 28°45 | 14°44 | 14°32 | S 5 |
| M 6 | 1 31 59 | 21°10'02 | 17°24 | 14°25 | 8° 3 | 28°55 | 12°39 | 4°56 | 5°52 | 13°54 | 12°56 | 29° 5 | 28°42 | 14°51 | 14°31 | M 6 |
| T 7 | 1 35 55 | 22° 9'52 | 29°12 | 13°28 | 9°18 | 29°36 | 12°52 | 4°54 | 5°54 | 13°53 | 12°55 | 29° 5 | 28°39 | 14°57 | 14°30 | T 7 |
| W 8 | 1 39 52 | 23° 9'45 | 11♌ 7 | 12°40 | 10°33 | 0♏17 | 13° 5 | 4°52 | 5°57 | 13°51 | 12°54 | 29° 5 | 28°36 | 15° 4 | 14°30 | W 8 |
| T 9 | 1 43 48 | 24° 9'39 | 23°12 | 12° 2 | 11°48 | 0°59 | 13°18 | 4°49 | 6° 0 | 13°49 | 12°53 | 29° 3 | 28°33 | 15°11 | 14°29 | T 9 |
| F 10 | 1 47 45 | 25° 9'36 | 5♍34 | 11°36 | 13° 3 | 1°40 | 13°31 | 4°47 | 6° 3 | 13°48 | 12°52 | 28°59 | 28°29 | 15°17 | 14°29 | F 10 |
| S 11 | 1 51 41 | 26° 9'35 | 18°15 | 11°21 | 14°18 | 2°22 | 13°44 | 4°45 | 6° 6 | 13°46 | 12°51 | 28°52 | 28°26 | 15°24 | 14°28 | S 11 |
| S 12 | 1 55 38 | 27° 9'36 | 1♎19 | 11°D17 | 15°34 | 3° 4 | 13°57 | 4°43 | 6° 8 | 13°44 | 12°50 | 28°42 | 28°23 | 15°30 | 14°28 | S 12 |
| M13 | 1 59 35 | 28° 9'39 | 14°45 | 11°25 | 16°49 | 3°45 | 14°10 | 4°41 | 6°11 | 13°43 | 12°49 | 28°31 | 28°20 | 15°37 | 14°28 | M13 |
| T 14 | 2 3 31 | 29° 9'44 | 28°31 | 11°43 | 18° 4 | 4°27 | 14°22 | 4°40 | 6°14 | 13°41 | 12°47 | 28°18 | 28°17 | 15°44 | 14°28 | T 14 |
| W15 | 2 7 28 | 0♏ 9'50 | 12♏35 | 12°11 | 19°19 | 5° 9 | 14°35 | 4°38 | 6°16 | 13°39 | 12°46 | 28° 5 | 28°14 | 15°50 | 14°28 | W15 |
| T 16 | 2 11 24 | 1° 9'59 | 26°50 | 12°48 | 20°35 | 5°50 | 14°48 | 4°37 | 6°19 | 13°38 | 12°45 | 27°54 | 28°10 | 15°57 | 14°D28 | T 16 |
| F 17 | 2 15 21 | 2°10'10 | 11♐12 | 13°33 | 21°50 | 6°32 | 15° 1 | 4°35 | 6°21 | 13°36 | 12°44 | 27°46 | 28° 7 | 16° 4 | 14°28 | F 17 |
| S 18 | 2 19 17 | 3°10'22 | 25°34 | 14°26 | 23° 5 | 7°14 | 15°14 | 4°34 | 6°24 | 13°35 | 12°43 | 27°40 | 28° 4 | 16°10 | 14°28 | S 18 |
| S 19 | 2 23 14 | 4°10'36 | 9♑52 | 15°26 | 24°20 | 7°56 | 15°26 | 4°33 | 6°26 | 13°33 | 12°42 | 27°37 | 28° 1 | 16°17 | 14°28 | S 19 |
| M20 | 2 27 10 | 5°10'51 | 24° 4 | 16°31 | 25°36 | 8°38 | 15°39 | 4°31 | 6°29 | 13°32 | 12°41 | 27°D37 | 27°58 | 16°24 | 14°28 | M20 |
| T 21 | 2 31 7 | 6°11'08 | 8♒ 8 | 17°41 | 26°51 | 9°20 | 15°52 | 4°30 | 6°31 | 13°30 | 12°40 | 27°R37 | 27°54 | 16°30 | 14°28 | T 21 |
| W22 | 2 35 4 | 7°11'26 | 22° 4 | 18°55 | 28° 6 | 10° 2 | 16° 4 | 4°30 | 6°33 | 13°29 | 12°39 | 27°36 | 27°51 | 16°37 | 14°29 | W22 |
| T 23 | 2 39 0 | 8°11'46 | 5♓52 | 20°13 | 29°22 | 10°45 | 16°17 | 4°29 | 6°36 | 13°27 | 12°37 | 27°34 | 27°48 | 16°44 | 14°29 | T 23 |
| F 24 | 2 42 57 | 9°12'07 | 19°31 | 21°34 | 0♏37 | 11°27 | 16°30 | 4°28 | 6°38 | 13°26 | 12°36 | 27°29 | 27°45 | 16°50 | 14°29 | F 24 |
| S 25 | 2 46 53 | 10°12'29 | 3♈ 0 | 22°58 | 1°53 | 12° 9 | 16°42 | 4°27 | 6°40 | 13°24 | 12°35 | 27°20 | 27°42 | 16°57 | 14°30 | S 25 |
| S 26 | 2 50 50 | 11°12'53 | 16°19 | 24°24 | 3° 8 | 12°51 | 16°55 | 4°27 | 6°42 | 13°23 | 12°34 | 27°10 | 27°39 | 17° 4 | 14°31 | S 26 |
| M27 | 2 54 46 | 12°13'18 | 29°27 | 25°51 | 4°23 | 13°34 | 17° 7 | 4°27 | 6°44 | 13°21 | 12°33 | 26°57 | 27°35 | 17°10 | 14°31 | M27 |
| T 28 | 2 58 43 | 13°13'45 | 12♉21 | 27°21 | 5°39 | 14°16 | 17°19 | 4°26 | 6°46 | 13°20 | 12°32 | 26°44 | 27°32 | 17°17 | 14°32 | T 28 |
| W29 | 3 2 39 | 14°14'14 | 25° 1 | 28°51 | 6°54 | 14°59 | 17°32 | 4°26 | 6°48 | 13°19 | 12°31 | 26°32 | 27°29 | 17°24 | 14°33 | W29 |
| T 30 | 3 6 36 | 15°14'44 | 7♊26 | 0♏22 | 8° 9 | 15°41 | 17°44 | 4°D26 | 6°50 | 13°17 | 12°30 | 26°21 | 27°26 | 17°30 | 14°34 | T 30 |
| F 31 | 3 10 33 | 16♏15'17 | 19♊38 | 1♏54 | 9♏25 | 16♏24 | 17♎56 | 4♓26 | 6♍52 | 13♈16 | 12♉28 | 26♑13 | 27♑23 | 17♋37 | 14♒34 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s23 | 21n29 | 4n48 | 9s46 | 1s56 | 0n39 | 1n29 | 9s38 | 0n16 | 3s33 | 1n 7 | 11s37 | 2s 7 | 10n10 | 0n44 | 3n56 | 1s46 | 1n18 | 15s10 | 20s19 | 20s26 | 24n 3 | 10s14 | 6n33 |
| T 2 | 6 46 | 24 20 | 4 22 | 9 1 | 1 37 | 0 9 | 1 29 | 9 54 | 0 15 | 3 38 | 1 7 | 11 38 | 2 7 | 10 9 | 0 44 | 3 55 | 1 46 | 1 18 | 15 11 | 20 21 | 20 27 | 24 2 | 10 15 | 6 33 |
| F 3 | 7 9 | 25 57 | 3 43 | 8 14 | 1 18 | 0s21 | 1 29 | 10 9 | 0 15 | 3 44 | 1 7 | 11 39 | 2 7 | 10 8 | 0 44 | 3 54 | 1 46 | 1 18 | 15 11 | 20 23 | 20 27 | 24 0 | 10 16 | 6 32 |
| S 4 | 7 32 | 26 18 | 2 56 | 7 27 | 0 57 | 0 51 | 1 28 | 10 25 | 0 14 | 3 49 | 1 7 | 11 40 | 2 7 | 10 7 | 0 44 | 3 54 | 1 46 | 1 17 | 15 11 | 20 24 | 20 28 | 23 58 | 10 16 | 6 32 |
| S 5 | 7 55 | 25 25 | 2 1 | 6 41 | 0 37 | 1 22 | 1 28 | 10 40 | 0 14 | 3 54 | 1 7 | 11 41 | 2 7 | 10 6 | 0 44 | 3 53 | 1 46 | 1 17 | 15 11 | 20 25 | 20 29 | 23 57 | 10 17 | 6 31 |
| M 6 | 8 17 | 23 24 | 1 2 | 5 57 | 0 16 | 1 52 | 1 28 | 10 55 | 0 13 | 3 59 | 1 7 | 11 42 | 2 7 | 10 5 | 0 44 | 3 53 | 1 46 | 1 16 | 15 11 | 20 25 | 20 29 | 23 55 | 10 18 | 6 31 |
| T 7 | 8 40 | 20 23 | 0s 1 | 5 16 | 0n 4 | 2 22 | 1 27 | 11 11 | 0 12 | 4 4 | 1 8 | 11 43 | 2 7 | 10 4 | 0 44 | 3 52 | 1 46 | 1 16 | 15 11 | 20 25 | 20 30 | 23 54 | 10 18 | 6 31 |
| W 8 | 9 2 | 16 29 | 1 3 | 4 40 | 0 23 | 2 52 | 1 26 | 11 26 | 0 12 | 4 9 | 1 8 | 11 43 | 2 7 | 10 3 | 0 44 | 3 51 | 1 46 | 1 16 | 15 11 | 20 25 | 20 31 | 23 52 | 10 19 | 6 30 |
| T 9 | 9 24 | 11 53 | 2 4 | 4 9 | 0 41 | 3 22 | 1 26 | 11 41 | 0 11 | 4 14 | 1 8 | 11 44 | 2 6 | 10 2 | 0 44 | 3 51 | 1 46 | 1 15 | 15 11 | 20 25 | 20 31 | 23 50 | 10 19 | 6 30 |
| F 10 | 9 46 | 6 42 | 3 0 | 3 43 | 0 58 | 3 52 | 1 25 | 11 56 | 0 11 | 4 19 | 1 8 | 11 45 | 2 6 | 10 1 | 0 44 | 3 50 | 1 46 | 1 15 | 15 11 | 20 26 | 20 32 | 23 49 | 10 20 | 6 29 |
| S 11 | 10 8 | 1 9 | 3 49 | 3 23 | 1 13 | 4 22 | 1 24 | 12 11 | 0 10 | 4 24 | 1 8 | 11 45 | 2 6 | 10 0 | 0 44 | 3 49 | 1 46 | 1 14 | 15 11 | 20 27 | 20 33 | 23 47 | 10 20 | 6 29 |
| S 12 | 10 30 | 4s36 | 4 27 | 3 10 | 1 26 | 4 52 | 1 24 | 12 26 | 0 9 | 4 29 | 1 8 | 11 46 | 2 6 | 9 59 | 0 44 | 3 49 | 1 46 | 1 14 | 15 11 | 20 29 | 20 33 | 23 46 | 10 21 | 6 28 |
| M13 | 10 51 | 10 18 | 4 52 | 3 2 | 1 37 | 5 21 | 1 23 | 12 40 | 0 9 | 4 34 | 1 8 | 11 47 | 2 6 | 9 58 | 0 44 | 3 48 | 1 46 | 1 14 | 15 12 | 20 32 | 20 34 | 23 44 | 10 21 | 6 28 |
| T 14 | 11 13 | 15 39 | 5 0 | 3 0 | 1 47 | 5 51 | 1 22 | 12 55 | 0 8 | 4 39 | 1 8 | 11 47 | 2 6 | 9 57 | 0 44 | 3 47 | 1 46 | 1 13 | 15 12 | 20 34 | 20 35 | 23 42 | 10 22 | 6 27 |
| W15 | 11 34 | 20 17 | 4 51 | 3 4 | 1 55 | 6 21 | 1 21 | 13 10 | 0 8 | 4 44 | 1 8 | 11 47 | 2 6 | 9 56 | 0 44 | 3 47 | 1 46 | 1 13 | 15 12 | 20 37 | 20 35 | 23 41 | 10 22 | 6 27 |
| T 16 | 11 55 | 23 47 | 4 23 | 3 13 | 2 1 | 6 50 | 1 20 | 13 24 | 0 7 | 4 49 | 1 8 | 11 48 | 2 5 | 9 55 | 0 45 | 3 46 | 1 46 | 1 13 | 15 12 | 20 39 | 20 36 | 23 39 | 10 23 | 6 27 |
| F 17 | 12 16 | 25 49 | 3 39 | 3 26 | 2 6 | 7 19 | 1 18 | 13 39 | 0 6 | 4 54 | 1 8 | 11 48 | 2 5 | 9 54 | 0 45 | 3 46 | 1 46 | 1 12 | 15 12 | 20 41 | 20 37 | 23 37 | 10 23 | 6 26 |
| S 18 | 12 37 | 26 7 | 2 41 | 3 43 | 2 10 | 7 48 | 1 17 | 13 53 | 0 6 | 4 58 | 1 8 | 11 49 | 2 5 | 9 53 | 0 45 | 3 45 | 1 46 | 1 12 | 15 12 | 20 42 | 20 37 | 23 36 | 10 24 | 6 26 |
| S 19 | 12 57 | 24 41 | 1 32 | 4 4 | 2 12 | 8 17 | 1 16 | 14 7 | 0 5 | 5 3 | 1 8 | 11 49 | 2 5 | 9 52 | 0 45 | 3 44 | 1 46 | 1 12 | 15 12 | 20 42 | 20 38 | 23 34 | 10 24 | 6 25 |
| M20 | 13 18 | 21 41 | 0 19 | 4 28 | 2 13 | 8 46 | 1 15 | 14 21 | 0 5 | 5 8 | 1 8 | 11 49 | 2 5 | 9 51 | 0 45 | 3 44 | 1 46 | 1 11 | 15 12 | 20 43 | 20 38 | 23 32 | 10 24 | 6 25 |
| T 21 | 13 38 | 17 24 | 0n55 | 4 54 | 2 13 | 9 15 | 1 13 | 14 35 | 0 4 | 5 13 | 1 8 | 11 50 | 2 5 | 9 51 | 0 45 | 3 43 | 1 46 | 1 11 | 15 12 | 20 43 | 20 39 | 23 31 | 10 25 | 6 24 |
| W22 | 13 58 | 12 13 | 2 6 | 5 23 | 2 13 | 9 43 | 1 12 | 14 49 | 0 3 | 5 18 | 1 8 | 11 50 | 2 5 | 9 50 | 0 45 | 3 43 | 1 46 | 1 11 | 15 12 | 20 43 | 20 40 | 23 29 | 10 25 | 6 24 |
| T 23 | 14 17 | 6 29 | 3 8 | 5 54 | 2 11 | 10 11 | 1 10 | 15 3 | 0 3 | 5 23 | 1 8 | 11 50 | 2 4 | 9 49 | 0 45 | 3 42 | 1 46 | 1 10 | 15 12 | 20 43 | 20 40 | 23 27 | 10 25 | 6 23 |
| F 24 | 14 37 | 0 31 | 3 58 | 6 27 | 2 9 | 10 39 | 1 9 | 15 17 | 0 2 | 5 27 | 1 8 | 11 50 | 2 4 | 9 48 | 0 45 | 3 42 | 1 46 | 1 10 | 15 12 | 20 44 | 20 41 | 23 26 | 10 26 | 6 23 |
| S 25 | 14 56 | 5n24 | 4 35 | 7 1 | 2 5 | 11 7 | 1 7 | 15 31 | 0 2 | 5 32 | 1 8 | 11 50 | 2 4 | 9 47 | 0 45 | 3 41 | 1 46 | 1 10 | 15 12 | 20 46 | 20 42 | 23 24 | 10 26 | 6 23 |
| S 26 | 15 15 | 10 59 | 4 56 | 7 36 | 2 2 | 11 34 | 1 6 | 15 44 | 0 1 | 5 37 | 1 8 | 11 50 | 2 4 | 9 47 | 0 45 | 3 41 | 1 46 | 1 9 | 15 12 | 20 48 | 20 42 | 23 22 | 10 26 | 6 22 |
| M27 | 15 33 | 16 0 | 5 1 | 8 12 | 1 58 | 12 1 | 1 4 | 15 57 | 0 0 | 5 42 | 1 8 | 11 50 | 2 4 | 9 46 | 0 45 | 3 40 | 1 46 | 1 9 | 15 12 | 20 50 | 20 43 | 23 20 | 10 26 | 6 22 |
| T 28 | 15 52 | 20 12 | 4 50 | 8 48 | 1 53 | 12 28 | 1 2 | 16 11 | 0s 0 | 5 46 | 1 8 | 11 50 | 2 4 | 9 45 | 0 45 | 3 40 | 1 46 | 1 9 | 15 12 | 20 53 | 20 43 | 23 19 | 10 27 | 6 21 |
| W29 | 16 10 | 23 22 | 4 25 | 9 25 | 1 48 | 12 55 | 1 1 | 16 24 | 0 1 | 5 51 | 1 8 | 11 50 | 2 4 | 9 44 | 0 45 | 3 39 | 1 46 | 1 9 | 15 12 | 20 55 | 20 44 | 23 17 | 10 27 | 6 21 |
| T 30 | 16 28 | 25 22 | 3 48 | 10 2 | 1 42 | 13 21 | 0 59 | 16 37 | 0 1 | 5 56 | 1 9 | 11 50 | 2 3 | 9 44 | 0 45 | 3 38 | 1 46 | 1 8 | 15 12 | 20 57 | 20 45 | 23 15 | 10 27 | 6 20 |
| F 31 | 16s45 | 26n 7 | 3n 1 | 10s40 | 1n37 | 13s47 | 0n57 | 16s50 | 0s 2 | 6s 0 | 1n 9 | 11s50 | 2s 3 | 9n43 | 0n45 | 3n38 | 1s46 | 1n 8 | 15s12 | 20s59 | 20s45 | 23n13 | 10s27 | 6n20 |

Julian Day Number = 2223915.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'48, Lahiri = 15°09'48 Julian Calendar 1 Oct. 1376 == Greg. Calendar 9 Oct. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## NOVEMBER 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 14 29 | 17♏15'50 | 1♋38 | 3♏27 | 10♏40 | 17♏ 6 | 18♎ 9 | 4♓26 | 6♍54 | 13°R14 | 12°R27 | 26°R 7 | 27♑20 | 17♋43 | 14♒35 | S 1 |
| S 2 | 3 18 26 | 18°16'26 | 13°30 | 5° 0 | 11°56 | 17°49 | 18°21 | 4°26 | 6°56 | 13♈13 | 12♉26 | 26♑ 4 | 27°16 | 17°50 | 14°36 | S 2 |
| M 3 | 3 22 22 | 19°17'03 | 25°17 | 6°34 | 13°11 | 18°32 | 18°33 | 4°27 | 6°57 | 13°12 | 12°25 | 26°D 3 | 27°13 | 17°57 | 14°37 | M 3 |
| T 4 | 3 26 19 | 20°17'42 | 7♌ 4 | 8° 8 | 14°27 | 19°15 | 18°45 | 4°27 | 6°59 | 13°11 | 12°24 | 26° 4 | 27°10 | 18° 3 | 14°39 | T 4 |
| W 5 | 3 30 15 | 21°18'22 | 18°57 | 9°42 | 15°42 | 19°57 | 18°57 | 4°28 | 7° 1 | 13° 9 | 12°23 | 26°R 4 | 27° 7 | 18°10 | 14°40 | W 5 |
| T 6 | 3 34 12 | 22°19'04 | 1♍ 1 | 11°17 | 16°58 | 20°40 | 19° 9 | 4°28 | 7° 2 | 13° 8 | 12°22 | 26° 4 | 27° 4 | 18°17 | 14°41 | T 6 |
| F 7 | 3 38 8 | 23°19'48 | 13°21 | 12°51 | 18°13 | 21°23 | 19°21 | 4°29 | 7° 4 | 13° 7 | 12°21 | 26° 2 | 27° 0 | 18°23 | 14°42 | F 7 |
| S 8 | 3 42 5 | 24°20'34 | 26° 3 | 14°25 | 19°29 | 22° 6 | 19°33 | 4°30 | 7° 5 | 13° 6 | 12°20 | 25°57 | 26°57 | 18°30 | 14°44 | S 8 |
| S 9 | 3 46 2 | 25°21'21 | 9♎10 | 16° 0 | 20°44 | 22°49 | 19°45 | 4°31 | 7° 7 | 13° 5 | 12°18 | 25°50 | 26°54 | 18°37 | 14°45 | S 9 |
| M10 | 3 49 58 | 26°22'09 | 22°43 | 17°34 | 22° 0 | 23°32 | 19°56 | 4°32 | 7° 8 | 13° 3 | 12°17 | 25°41 | 26°51 | 18°43 | 14°47 | M10 |
| T 11 | 3 53 55 | 27°22'59 | 6♏43 | 19° 9 | 23°15 | 24°15 | 20° 8 | 4°33 | 7° 9 | 13° 2 | 12°16 | 25°32 | 26°48 | 18°50 | 14°48 | T 11 |
| W12 | 3 57 51 | 28°23'50 | 21° 5 | 20°43 | 24°31 | 24°59 | 20°20 | 4°35 | 7°11 | 13° 1 | 12°15 | 25°22 | 26°45 | 18°57 | 14°50 | W12 |
| T 13 | 4 1 48 | 29°24'43 | 5♐43 | 22°18 | 25°46 | 25°42 | 20°31 | 4°36 | 7°12 | 13° 0 | 12°14 | 25°13 | 26°41 | 19° 3 | 14°52 | T 13 |
| F 14 | 4 5 44 | 0♐25'37 | 20°31 | 23°52 | 27° 2 | 26°25 | 20°43 | 4°38 | 7°13 | 12°59 | 12°13 | 25° 6 | 26°38 | 19°10 | 14°53 | F 14 |
| S 15 | 4 9 41 | 1°26'32 | 5♑19 | 25°26 | 28°17 | 27° 8 | 20°54 | 4°39 | 7°14 | 12°58 | 12°12 | 25° 2 | 26°35 | 19°17 | 14°55 | S 15 |
| S 16 | 4 13 37 | 2°27'27 | 20° 1 | 27° 1 | 29°33 | 27°52 | 21° 5 | 4°41 | 7°15 | 12°57 | 12°11 | 25°D 1 | 26°32 | 19°23 | 14°57 | S 16 |
| M17 | 4 17 34 | 3°28'24 | 4♒32 | 28°35 | 0♐48 | 28°35 | 21°17 | 4°43 | 7°16 | 12°56 | 12°10 | 25° 1 | 26°29 | 19°30 | 14°59 | M17 |
| T 18 | 4 21 31 | 4°29'21 | 18°47 | 0♐ 9 | 2° 4 | 29°19 | 21°28 | 4°45 | 7°17 | 12°55 | 12° 9 | 25° 2 | 26°26 | 19°36 | 15° 1 | T 18 |
| W19 | 4 25 27 | 5°30'19 | 2♓46 | 1°43 | 3°19 | 0♐ 2 | 21°39 | 4°47 | 7°18 | 12°55 | 12° 8 | 25°R 3 | 26°22 | 19°43 | 15° 3 | W19 |
| T 20 | 4 29 24 | 6°31'18 | 16°28 | 3°17 | 4°35 | 0°46 | 21°50 | 4°49 | 7°19 | 12°54 | 12° 7 | 25° 2 | 26°19 | 19°50 | 15° 5 | T 20 |
| F 21 | 4 33 20 | 7°32'17 | 29°54 | 4°51 | 5°50 | 1°29 | 22° 1 | 4°51 | 7°20 | 12°53 | 12° 6 | 25° 0 | 26°16 | 19°56 | 15° 7 | F 21 |
| S 22 | 4 37 17 | 8°33'16 | 13♈ 5 | 6°26 | 7° 6 | 2°13 | 22°12 | 4°54 | 7°20 | 12°52 | 12° 5 | 24°55 | 26°13 | 20° 3 | 15°10 | S 22 |
| S 23 | 4 41 13 | 9°34'17 | 26° 4 | 8° 0 | 8°21 | 2°57 | 22°23 | 4°56 | 7°21 | 12°51 | 12° 4 | 24°49 | 26°10 | 20°10 | 15°12 | S 23 |
| M24 | 4 45 10 | 10°35'18 | 8♉49 | 9°34 | 9°37 | 3°41 | 22°33 | 4°59 | 7°22 | 12°51 | 12° 3 | 24°41 | 26° 6 | 20°16 | 15°14 | M24 |
| T 25 | 4 49 6 | 11°36'20 | 21°23 | 11° 8 | 10°53 | 4°24 | 22°44 | 5° 1 | 7°22 | 12°50 | 12° 2 | 24°32 | 26° 3 | 20°23 | 15°16 | T 25 |
| W26 | 4 53 3 | 12°37'22 | 3♊45 | 12°43 | 12° 8 | 5° 8 | 22°54 | 5° 4 | 7°23 | 12°49 | 12° 1 | 24°24 | 26° 0 | 20°30 | 15°19 | W26 |
| T 27 | 4 57 0 | 13°38'25 | 15°57 | 14°17 | 13°24 | 5°52 | 23° 5 | 5° 7 | 7°23 | 12°49 | 12° 0 | 24°18 | 25°57 | 20°36 | 15°21 | T 27 |
| F 28 | 5 0 56 | 14°39'29 | 28° 0 | 15°52 | 14°39 | 6°36 | 23°15 | 5°10 | 7°23 | 12°48 | 11°59 | 24°12 | 25°54 | 20°43 | 15°24 | F 28 |
| S 29 | 5 4 53 | 15°40'34 | 9♋55 | 17°27 | 15°55 | 7°20 | 23°26 | 5°13 | 7°24 | 12°47 | 11°58 | 24° 9 | 25°51 | 20°50 | 15°26 | S 29 |
| S 30 | 5 8 49 | 16♐41'39 | 21♋44 | 19♐ 2 | 17♐10 | 8♐ 4 | 23♎36 | 5♓16 | 7♍24 | 12♈47 | 11♉57 | 24°D 8 | 25♑47 | 20♋56 | 15♒29 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 3 | 25n37 | 2n 6 | 11s17 | 1n31 | 14s12 | 0n55 | 17s 3 | 0s 3 | 6s 5 | 1n 9 | 11s50 | 2s 3 | 9n42 | 0n45 | 3n37 | 1s46 | 1n 8 | 15s12 | 21s 0 | 20s46 | 23n12 | 10s27 | 6n19 |
| S 2 | 17 20 | 23 56 | 1 6 | 11 54 | 1 25 | 14 37 | 0 53 | 17 15 | 0 3 | 6 9 | 1 9 | 11 49 | 2 3 | 9 42 | 0 45 | 3 37 | 1 46 | 1 7 | 15 11 | 21 0 | 20 47 | 23 10 | 10 27 | 6 19 |
| M 3 | 17 36 | 21 13 | 0 4 | 12 31 | 1 18 | 15 2 | 0 51 | 17 28 | 0 4 | 6 14 | 1 9 | 11 49 | 2 3 | 9 41 | 0 45 | 3 37 | 1 45 | 1 7 | 15 11 | 21 1 | 20 47 | 23 8 | 10 28 | 6 19 |
| T 4 | 17 53 | 17 38 | 0s59 | 13 8 | 1 12 | 15 27 | 0 49 | 17 40 | 0 4 | 6 19 | 1 9 | 11 49 | 2 3 | 9 41 | 0 45 | 3 36 | 1 45 | 1 7 | 15 11 | 21 1 | 20 48 | 23 6 | 10 28 | 6 18 |
| W 5 | 18 9 | 13 18 | 1 59 | 13 44 | 1 5 | 15 51 | 0 47 | 17 52 | 0 5 | 6 23 | 1 9 | 11 48 | 2 2 | 9 40 | 0 45 | 3 36 | 1 45 | 1 7 | 15 11 | 21 0 | 20 48 | 23 5 | 10 28 | 6 18 |
| T 6 | 18 25 | 8 25 | 2 56 | 14 20 | 0 59 | 16 14 | 0 45 | 18 4 | 0 6 | 6 27 | 1 9 | 11 48 | 2 2 | 9 40 | 0 45 | 3 35 | 1 45 | 1 6 | 15 11 | 21 1 | 20 49 | 23 3 | 10 28 | 6 17 |
| F 7 | 18 40 | 3 6 | 3 45 | 14 56 | 0 52 | 16 37 | 0 43 | 18 16 | 0 6 | 6 32 | 1 9 | 11 47 | 2 2 | 9 39 | 0 45 | 3 35 | 1 45 | 1 6 | 15 11 | 21 1 | 20 50 | 23 1 | 10 28 | 6 17 |
| S 8 | 18 55 | 2s28 | 4 25 | 15 30 | 0 45 | 17 0 | 0 41 | 18 28 | 0 7 | 6 36 | 1 9 | 11 47 | 2 2 | 9 38 | 0 45 | 3 34 | 1 45 | 1 6 | 15 11 | 21 2 | 20 50 | 22 59 | 10 28 | 6 16 |
| S 9 | 19 10 | 8 7 | 4 52 | 16 5 | 0 38 | 17 22 | 0 39 | 18 40 | 0 8 | 6 41 | 1 9 | 11 47 | 2 2 | 9 38 | 0 45 | 3 34 | 1 45 | 1 6 | 15 11 | 21 3 | 20 51 | 22 58 | 10 28 | 6 16 |
| M10 | 19 24 | 13 34 | 5 4 | 16 38 | 0 31 | 17 44 | 0 37 | 18 51 | 0 8 | 6 45 | 1 9 | 11 46 | 2 2 | 9 37 | 0 46 | 3 33 | 1 45 | 1 6 | 15 11 | 21 5 | 20 52 | 22 56 | 10 28 | 6 16 |
| T 11 | 19 39 | 18 30 | 4 59 | 17 11 | 0 24 | 18 6 | 0 34 | 19 3 | 0 9 | 6 49 | 1 9 | 11 45 | 2 1 | 9 37 | 0 46 | 3 33 | 1 45 | 1 5 | 15 11 | 21 7 | 20 52 | 22 54 | 10 28 | 6 15 |
| W12 | 19 52 | 22 30 | 4 35 | 17 43 | 0 17 | 18 27 | 0 32 | 19 14 | 0 9 | 6 54 | 1 10 | 11 45 | 2 1 | 9 37 | 0 46 | 3 33 | 1 45 | 1 5 | 15 11 | 21 8 | 20 53 | 22 52 | 10 28 | 6 15 |
| T 13 | 20 6 | 25 9 | 3 53 | 18 14 | 0 10 | 18 47 | 0 30 | 19 25 | 0 10 | 6 58 | 1 10 | 11 44 | 2 1 | 9 36 | 0 46 | 3 32 | 1 45 | 1 5 | 15 11 | 21 10 | 20 53 | 22 50 | 10 28 | 6 14 |
| F 14 | 20 19 | 26 5 | 2 54 | 18 45 | 0 3 | 19 7 | 0 28 | 19 36 | 0 11 | 7 2 | 1 10 | 11 43 | 2 1 | 9 36 | 0 46 | 3 32 | 1 45 | 1 5 | 15 10 | 21 11 | 20 54 | 22 49 | 10 27 | 6 14 |
| S 15 | 20 31 | 25 9 | 1 44 | 19 14 | 0s 3 | 19 26 | 0 25 | 19 46 | 0 11 | 7 6 | 1 10 | 11 43 | 2 1 | 9 35 | 0 46 | 3 32 | 1 45 | 1 5 | 15 10 | 21 12 | 20 55 | 22 47 | 10 27 | 6 14 |
| S 16 | 20 43 | 22 28 | 0 27 | 19 43 | 0 10 | 19 45 | 0 23 | 19 57 | 0 12 | 7 11 | 1 10 | 11 42 | 2 1 | 9 35 | 0 46 | 3 31 | 1 45 | 1 4 | 15 10 | 21 12 | 20 55 | 22 45 | 10 27 | 6 13 |
| M17 | 20 55 | 18 22 | 0n51 | 20 11 | 0 17 | 20 3 | 0 21 | 20 7 | 0 12 | 7 15 | 1 10 | 11 41 | 2 1 | 9 35 | 0 46 | 3 31 | 1 45 | 1 4 | 15 10 | 21 12 | 20 56 | 22 43 | 10 27 | 6 13 |
| T 18 | 21 7 | 13 16 | 2 5 | 20 38 | 0 23 | 20 21 | 0 18 | 20 17 | 0 13 | 7 19 | 1 10 | 11 40 | 2 0 | 9 34 | 0 46 | 3 31 | 1 45 | 1 4 | 15 10 | 21 12 | 20 56 | 22 41 | 10 27 | 6 12 |
| W19 | 21 18 | 7 35 | 3 9 | 21 4 | 0 30 | 20 38 | 0 16 | 20 27 | 0 14 | 7 23 | 1 10 | 11 39 | 2 0 | 9 34 | 0 46 | 3 30 | 1 45 | 1 4 | 15 10 | 21 12 | 20 57 | 22 40 | 10 27 | 6 12 |
| T 20 | 21 28 | 1 39 | 4 2 | 21 29 | 0 36 | 20 54 | 0 14 | 20 37 | 0 14 | 7 27 | 1 10 | 11 38 | 2 0 | 9 34 | 0 46 | 3 30 | 1 45 | 1 4 | 15 10 | 21 12 | 20 58 | 22 38 | 10 26 | 6 12 |
| F 21 | 21 39 | 4n14 | 4 40 | 21 52 | 0 42 | 21 10 | 0 11 | 20 46 | 0 15 | 7 31 | 1 11 | 11 37 | 2 0 | 9 34 | 0 46 | 3 30 | 1 45 | 1 4 | 15 9 | 21 12 | 20 58 | 22 36 | 10 26 | 6 11 |
| S 22 | 21 48 | 9 49 | 5 2 | 22 15 | 0 49 | 21 25 | 0 9 | 20 56 | 0 16 | 7 35 | 1 11 | 11 36 | 2 0 | 9 33 | 0 46 | 3 30 | 1 45 | 1 3 | 15 9 | 21 13 | 20 59 | 22 34 | 10 26 | 6 11 |
| S 23 | 21 58 | 14 53 | 5 8 | 22 37 | 0 55 | 21 40 | 0 7 | 21 5 | 0 16 | 7 39 | 1 11 | 11 35 | 2 0 | 9 33 | 0 46 | 3 29 | 1 45 | 1 3 | 15 9 | 21 14 | 20 59 | 22 32 | 10 26 | 6 10 |
| M24 | 22 7 | 19 12 | 4 59 | 22 57 | 1 0 | 21 54 | 0 4 | 21 14 | 0 17 | 7 42 | 1 11 | 11 34 | 1 59 | 9 33 | 0 46 | 3 29 | 1 45 | 1 3 | 15 9 | 21 16 | 21 0 | 22 30 | 10 25 | 6 10 |
| T 25 | 22 15 | 22 36 | 4 36 | 23 17 | 1 6 | 22 7 | 0 2 | 21 23 | 0 17 | 7 46 | 1 11 | 11 33 | 1 59 | 9 33 | 0 46 | 3 29 | 1 45 | 1 3 | 15 9 | 21 17 | 21 1 | 22 28 | 10 25 | 6 10 |
| W26 | 22 23 | 24 53 | 3 59 | 23 35 | 1 12 | 22 20 | 0s 1 | 21 31 | 0 18 | 7 50 | 1 11 | 11 32 | 1 59 | 9 33 | 0 46 | 3 29 | 1 45 | 1 3 | 15 8 | 21 19 | 21 1 | 22 26 | 10 25 | 6 9 |
| T 27 | 22 31 | 25 58 | 3 13 | 23 52 | 1 17 | 22 32 | 0 3 | 21 40 | 0 19 | 7 54 | 1 11 | 11 31 | 1 59 | 9 33 | 0 46 | 3 28 | 1 44 | 1 3 | 15 8 | 21 20 | 21 2 | 22 25 | 10 24 | 6 9 |
| F 28 | 22 38 | 25 48 | 2 17 | 24 8 | 1 22 | 22 43 | 0 5 | 21 48 | 0 19 | 7 58 | 1 11 | 11 29 | 1 59 | 9 32 | 0 46 | 3 28 | 1 44 | 1 3 | 15 8 | 21 21 | 21 2 | 22 23 | 10 24 | 6 8 |
| S 29 | 22 45 | 24 26 | 1 17 | 24 22 | 1 27 | 22 54 | 0 8 | 21 56 | 0 20 | 8 1 | 1 12 | 11 28 | 1 59 | 9 32 | 0 46 | 3 28 | 1 44 | 1 3 | 15 8 | 21 21 | 21 3 | 22 21 | 10 24 | 6 8 |
| S 30 | 22s51 | 21n59 | 0n13 | 24s36 | 1s32 | 23s 4 | 0s10 | 22s 4 | 0s20 | 8s 5 | 1n12 | 11s27 | 1s58 | 9n32 | 0n46 | 3n28 | 1s44 | 1n 3 | 15s 8 | 21s22 | 21s 4 | 22n19 | 10s23 | 6n 8 |

Julian Day Number = 2223946.5, Delta T = 08m29s
Ecliptic obliquity = 23°31'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'52, Lahiri = 15°09'52 Julian Calendar 1 Nov. 1376 == Greg. Calendar 9 Nov. 1376


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# ASTRODIENST EPHEMERIS for the year 1376
# geocentric

## DECEMBER 1376 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 12 46 | 17♐42'45 | 3♌30 | 20♐37 | 18♐26 | 8♐48 | 23♎46 | 5♓19 | 7♍24 | 12°R46 | 11°R56 | 24♑ 8 | 25♑44 | 21♋ 3 | 15♒32 | M 1 |
| T 2 | 5 16 42 | 18°43'52 | 15°17 | 22°12 | 19°41 | 9°32 | 23°56 | 5°22 | 7°24 | 12♈46 | 11♉55 | 24°10 | 25°41 | 21° 9 | 15°34 | T 2 |
| W 3 | 5 20 39 | 19°44'59 | 27°10 | 23°47 | 20°57 | 10°17 | 24° 6 | 5°26 | 7°25 | 12°45 | 11°55 | 24°12 | 25°38 | 21°16 | 15°37 | W 3 |
| T 4 | 5 24 35 | 20°46'07 | 9♍12 | 25°23 | 22°12 | 11° 1 | 24°15 | 5°29 | 7°R25 | 12°45 | 11°54 | 24°13 | 25°35 | 21°23 | 15°40 | T 4 |
| F 5 | 5 28 32 | 21°47'16 | 21°29 | 26°59 | 23°28 | 11°45 | 24°25 | 5°33 | 7°25 | 12°45 | 11°53 | 24°R14 | 25°32 | 21°29 | 15°43 | F 5 |
| S 6 | 5 32 29 | 22°48'26 | 4♎ 7 | 28°35 | 24°43 | 12°29 | 24°35 | 5°37 | 7°24 | 12°44 | 11°52 | 24°13 | 25°28 | 21°36 | 15°46 | S 6 |
| S 7 | 5 36 25 | 23°49'36 | 17° 8 | 0♑11 | 25°59 | 13°14 | 24°44 | 5°40 | 7°24 | 12°44 | 11°51 | 24°11 | 25°25 | 21°43 | 15°49 | S 7 |
| M 8 | 5 40 22 | 24°50'46 | 0♏36 | 1°47 | 27°14 | 13°58 | 24°53 | 5°44 | 7°24 | 12°44 | 11°50 | 24° 8 | 25°22 | 21°49 | 15°52 | M 8 |
| T 9 | 5 44 18 | 25°51'58 | 14°34 | 3°24 | 28°30 | 14°43 | 25° 3 | 5°48 | 7°24 | 12°43 | 11°50 | 24° 4 | 25°19 | 21°56 | 15°55 | T 9 |
| W10 | 5 48 15 | 26°53'09 | 28°58 | 5° 1 | 29°45 | 15°27 | 25°12 | 5°52 | 7°24 | 12°43 | 11°49 | 24° 0 | 25°16 | 22° 3 | 15°58 | W10 |
| T 11 | 5 52 11 | 27°54'22 | 13♐44 | 6°38 | 1♑ 1 | 16°12 | 25°21 | 5°56 | 7°23 | 12°43 | 11°48 | 23°56 | 25°12 | 22° 9 | 16° 1 | T 11 |
| F 12 | 5 56 8 | 28°55'34 | 28°46 | 8°15 | 2°16 | 16°56 | 25°30 | 6° 1 | 7°23 | 12°43 | 11°47 | 23°53 | 25° 9 | 22°16 | 16° 4 | F 12 |
| S 13 | 6 0 5 | 29°56'47 | 13♑54 | 9°52 | 3°32 | 17°41 | 25°39 | 6° 5 | 7°22 | 12°43 | 11°47 | 23°51 | 25° 6 | 22°23 | 16° 7 | S 13 |
| S 14 | 6 4 1 | 0♑57'59 | 29° 0 | 11°29 | 4°47 | 18°26 | 25°47 | 6° 9 | 7°22 | 12°43 | 11°46 | 23°D51 | 25° 3 | 22°29 | 16°10 | S 14 |
| M15 | 6 7 58 | 1°59'12 | 13♒53 | 13° 7 | 6° 3 | 19°10 | 25°56 | 6°14 | 7°21 | 12°D43 | 11°45 | 23°52 | 25° 0 | 22°36 | 16°14 | M15 |
| T 16 | 6 11 54 | 3° 0'24 | 28°29 | 14°44 | 7°18 | 19°55 | 26° 4 | 6°18 | 7°21 | 12°43 | 11°45 | 23°53 | 24°57 | 22°43 | 16°17 | T 16 |
| W17 | 6 15 51 | 4° 1'36 | 12♓42 | 16°21 | 8°34 | 20°40 | 26°13 | 6°23 | 7°20 | 12°43 | 11°44 | 23°55 | 24°53 | 22°49 | 16°20 | W17 |
| T 18 | 6 19 47 | 5° 2'47 | 26°32 | 17°58 | 9°49 | 21°25 | 26°21 | 6°28 | 7°19 | 12°43 | 11°43 | 23°56 | 24°50 | 22°56 | 16°24 | T 18 |
| F 19 | 6 23 44 | 6° 3'58 | 9♈59 | 19°34 | 11° 4 | 22°10 | 26°29 | 6°33 | 7°18 | 12°43 | 11°43 | 23°R56 | 24°47 | 23° 2 | 16°27 | F 19 |
| S 20 | 6 27 40 | 7° 5'09 | 23° 5 | 21°10 | 12°20 | 22°55 | 26°37 | 6°37 | 7°18 | 12°43 | 11°42 | 23°55 | 24°44 | 23° 9 | 16°31 | S 20 |
| S 21 | 6 31 37 | 8° 6'19 | 5♉52 | 22°46 | 13°35 | 23°40 | 26°45 | 6°42 | 7°17 | 12°43 | 11°42 | 23°54 | 24°41 | 23°16 | 16°34 | S 21 |
| M22 | 6 35 34 | 9° 7'28 | 18°23 | 24°20 | 14°51 | 24°25 | 26°52 | 6°47 | 7°16 | 12°44 | 11°41 | 23°52 | 24°38 | 23°22 | 16°38 | M22 |
| T 23 | 6 39 30 | 10° 8'38 | 0♊41 | 25°54 | 16° 6 | 25°10 | 27° 0 | 6°53 | 7°15 | 12°44 | 11°41 | 23°49 | 24°34 | 23°29 | 16°41 | T 23 |
| W24 | 6 43 27 | 11° 9'46 | 12°49 | 27°26 | 17°22 | 25°55 | 27° 7 | 6°58 | 7°14 | 12°44 | 11°40 | 23°47 | 24°31 | 23°36 | 16°45 | W24 |
| T 25 | 6 47 23 | 12°10'55 | 24°49 | 28°56 | 18°37 | 26°40 | 27°14 | 7° 3 | 7°13 | 12°44 | 11°40 | 23°46 | 24°28 | 23°42 | 16°49 | T 25 |
| F 26 | 6 51 20 | 13°12'03 | 6♋42 | 0♒24 | 19°52 | 27°25 | 27°21 | 7° 8 | 7°11 | 12°45 | 11°39 | 23°45 | 24°25 | 23°49 | 16°52 | F 26 |
| S 27 | 6 55 16 | 14°13'10 | 18°32 | 1°50 | 21° 8 | 28°10 | 27°28 | 7°14 | 7°10 | 12°45 | 11°39 | 23°D44 | 24°22 | 23°56 | 16°56 | S 27 |
| S 28 | 6 59 13 | 15°14'17 | 0♌20 | 3°13 | 22°23 | 28°56 | 27°35 | 7°19 | 7° 9 | 12°46 | 11°38 | 23°44 | 24°18 | 24° 2 | 17° 0 | S 28 |
| M29 | 7 3 9 | 16°15'24 | 12° 8 | 4°32 | 23°38 | 29°41 | 27°42 | 7°25 | 7° 8 | 12°46 | 11°38 | 23°45 | 24°15 | 24° 9 | 17° 3 | M29 |
| T 30 | 7 7 6 | 17°16'30 | 23°58 | 5°47 | 24°54 | 0♑26 | 27°48 | 7°30 | 7° 6 | 12°46 | 11°37 | 23°45 | 24°12 | 24°16 | 17° 7 | T 30 |
| W31 | 7 11 3 | 18♑17'35 | 5♍55 | 6♒58 | 26♑ 9 | 1♑12 | 27♎55 | 7♓36 | 7♍ 5 | 12♈47 | 11♉37 | 23♑46 | 24♑ 9 | 24♋22 | 17♒11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 22s57 | 18n37 | 0s51 | 24s47 | 1s36 | 23s13 | 0s13 | 22s12 | 0s21 | 8s 8 | 1n12 | 11s26 | 1s58 | 9n32 | 0n46 | 3n28 | 1s44 | 1n 3 | 15s 7 | 21s21 | 21s 4 | 22n17 | 10s23 | 6n 7 | |
| T 2 | 23 2 | 14 30 | 1 53 | 24 58 | 1 41 | 23 22 | 0 15 | 22 19 | 0 22 | 8 12 | 1 12 | 11 24 | 1 58 | 9 32 | 0 46 | 3 28 | 1 44 | 1 3 | 15 7 | 21 21 | 21 5 | 22 15 | 10 22 | 6 7 | |
| W 3 | 23 7 | 9 49 | 2 51 | 25 7 | 1 45 | 23 30 | 0 17 | 22 26 | 0 22 | 8 16 | 1 12 | 11 23 | 1 58 | 9 32 | 0 47 | 3 27 | 1 44 | 1 3 | 15 7 | 21 21 | 21 5 | 22 13 | 10 22 | 6 7 | |
| T 4 | 23 12 | 4 43 | 3 42 | 25 15 | 1 49 | 23 37 | 0 20 | 22 33 | 0 23 | 8 19 | 1 12 | 11 21 | 1 58 | 9 32 | 0 47 | 3 27 | 1 44 | 1 3 | 15 7 | 21 21 | 21 6 | 22 11 | 10 21 | 6 6 | |
| F 5 | 23 16 | 0s40 | 4 24 | 25 21 | 1 52 | 23 43 | 0 22 | 22 40 | 0 24 | 8 22 | 1 12 | 11 20 | 1 58 | 9 32 | 0 47 | 3 27 | 1 44 | 1 3 | 15 7 | 21 20 | 21 7 | 22 9 | 10 21 | 6 6 | |
| S 6 | 23 20 | 6 9 | 4 55 | 25 26 | 1 56 | 23 49 | 0 24 | 22 46 | 0 24 | 8 26 | 1 13 | 11 18 | 1 58 | 9 32 | 0 47 | 3 27 | 1 44 | 1 3 | 15 6 | 21 21 | 21 7 | 22 7 | 10 20 | 6 6 | |
| S 7 | 23 23 | 11 32 | 5 11 | 25 30 | 1 58 | 23 54 | 0 26 | 22 52 | 0 25 | 8 29 | 1 13 | 11 17 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 6 | 21 21 | 21 8 | 22 6 | 10 20 | 6 5 | |
| M 8 | 23 25 | 16 35 | 5 12 | 25 32 | 2 1 | 23 58 | 0 29 | 22 59 | 0 25 | 8 32 | 1 13 | 11 15 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 6 | 21 22 | 21 8 | 22 4 | 10 19 | 6 5 | |
| T 9 | 23 27 | 20 56 | 4 54 | 25 32 | 2 3 | 24 2 | 0 31 | 23 4 | 0 26 | 8 36 | 1 13 | 11 14 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 6 | 21 22 | 21 9 | 22 2 | 10 19 | 6 5 | |
| W10 | 23 29 | 24 11 | 4 18 | 25 31 | 2 5 | 24 5 | 0 33 | 23 10 | 0 27 | 8 39 | 1 13 | 11 12 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 5 | 21 23 | 21 9 | 22 0 | 10 18 | 6 4 | |
| T 11 | 23 30 | 25 53 | 3 23 | 25 28 | 2 7 | 24 6 | 0 35 | 23 15 | 0 27 | 8 42 | 1 13 | 11 10 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 5 | 21 24 | 21 10 | 21 58 | 10 18 | 6 4 | |
| F 12 | 23 31 | 25 45 | 2 14 | 25 24 | 2 8 | 24 8 | 0 38 | 23 20 | 0 28 | 8 45 | 1 14 | 11 9 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 5 | 21 24 | 21 11 | 21 56 | 10 17 | 6 4 | |
| S 13 | 23 31 | 23 42 | 0 55 | 25 18 | 2 9 | 24 8 | 0 40 | 23 25 | 0 28 | 8 48 | 1 14 | 11 7 | 1 57 | 9 33 | 0 47 | 3 27 | 1 44 | 1 3 | 15 5 | 21 24 | 21 11 | 21 54 | 10 16 | 6 3 | |
| S 14 | 23 31 | 19 58 | 0n28 | 25 10 | 2 9 | 24 8 | 0 42 | 23 30 | 0 29 | 8 51 | 1 14 | 11 5 | 1 57 | 9 34 | 0 47 | 3 27 | 1 44 | 1 3 | 15 4 | 21 24 | 21 12 | 21 52 | 10 16 | 6 3 | |
| M15 | 23 30 | 14 59 | 1 48 | 25 1 | 2 9 | 24 7 | 0 44 | 23 34 | 0 30 | 8 54 | 1 14 | 11 3 | 1 56 | 9 34 | 0 47 | 3 27 | 1 43 | 1 3 | 15 4 | 21 24 | 21 12 | 21 50 | 10 15 | 6 3 | |
| T 16 | 23 29 | 9 14 | 3 0 | 24 50 | 2 9 | 24 5 | 0 46 | 23 38 | 0 30 | 8 57 | 1 14 | 11 2 | 1 56 | 9 34 | 0 47 | 3 27 | 1 43 | 1 3 | 15 4 | 21 24 | 21 13 | 21 48 | 10 14 | 6 3 | |
| W17 | 23 28 | 3 9 | 3 58 | 24 37 | 2 7 | 24 3 | 0 48 | 23 42 | 0 31 | 9 0 | 1 14 | 11 0 | 1 56 | 9 35 | 0 47 | 3 27 | 1 43 | 1 3 | 15 4 | 21 24 | 21 13 | 21 46 | 10 14 | 6 2 | |
| T 18 | 23 25 | 2n55 | 4 41 | 24 23 | 2 6 | 23 59 | 0 50 | 23 46 | 0 31 | 9 3 | 1 15 | 10 58 | 1 56 | 9 35 | 0 47 | 3 27 | 1 43 | 1 3 | 15 3 | 21 24 | 21 14 | 21 44 | 10 13 | 6 2 | |
| F 19 | 23 23 | 8 40 | 5 7 | 24 7 | 2 4 | 23 55 | 0 52 | 23 49 | 0 32 | 9 5 | 1 15 | 10 56 | 1 56 | 9 35 | 0 47 | 3 27 | 1 43 | 1 3 | 15 3 | 21 24 | 21 15 | 21 42 | 10 12 | 6 2 | |
| S 20 | 23 20 | 13 53 | 5 16 | 23 50 | 2 1 | 23 51 | 0 54 | 23 52 | 0 33 | 9 8 | 1 15 | 10 54 | 1 56 | 9 36 | 0 47 | 3 27 | 1 43 | 1 3 | 15 3 | 21 24 | 21 15 | 21 40 | 10 11 | 6 1 | |
| S 21 | 23 16 | 18 23 | 5 10 | 23 31 | 1 57 | 23 45 | 0 56 | 23 55 | 0 33 | 9 11 | 1 15 | 10 52 | 1 56 | 9 36 | 0 47 | 3 28 | 1 43 | 1 3 | 15 2 | 21 24 | 21 16 | 21 38 | 10 11 | 6 1 | |
| M22 | 23 12 | 21 58 | 4 48 | 23 11 | 1 53 | 23 39 | 0 58 | 23 58 | 0 34 | 9 13 | 1 15 | 10 50 | 1 56 | 9 36 | 0 47 | 3 28 | 1 43 | 1 3 | 15 2 | 21 24 | 21 16 | 21 36 | 10 10 | 6 1 | |
| T 23 | 23 8 | 24 30 | 4 14 | 22 49 | 1 48 | 23 32 | 1 0 | 24 0 | 0 34 | 9 16 | 1 15 | 10 48 | 1 55 | 9 37 | 0 47 | 3 28 | 1 43 | 1 4 | 15 2 | 21 25 | 21 17 | 21 34 | 10 9 | 6 1 | |
| W24 | 23 3 | 25 51 | 3 28 | 22 25 | 1 42 | 23 24 | 1 1 | 24 3 | 0 35 | 9 18 | 1 16 | 10 46 | 1 55 | 9 37 | 0 47 | 3 28 | 1 43 | 1 4 | 15 2 | 21 25 | 21 17 | 21 32 | 10 8 | 6 0 | |
| T 25 | 22 58 | 25 59 | 2 34 | 22 0 | 1 36 | 23 16 | 1 3 | 24 4 | 0 36 | 9 21 | 1 16 | 10 44 | 1 55 | 9 38 | 0 47 | 3 28 | 1 43 | 1 4 | 15 1 | 21 25 | 21 18 | 21 30 | 10 7 | 6 0 | |
| F 26 | 22 52 | 24 54 | 1 33 | 21 34 | 1 29 | 23 7 | 1 5 | 24 6 | 0 36 | 9 23 | 1 16 | 10 42 | 1 55 | 9 38 | 0 47 | 3 28 | 1 43 | 1 4 | 15 1 | 21 26 | 21 19 | 21 28 | 10 7 | 6 0 | |
| S 27 | 22 46 | 22 43 | 0 29 | 21 7 | 1 20 | 22 57 | 1 6 | 24 7 | 0 37 | 9 26 | 1 16 | 10 40 | 1 55 | 9 39 | 0 48 | 3 29 | 1 43 | 1 4 | 15 1 | 21 26 | 21 19 | 21 26 | 10 6 | 6 0 | |
| S 28 | 22 39 | 19 33 | 0s37 | 20 40 | 1 11 | 22 46 | 1 8 | 24 8 | 0 37 | 9 28 | 1 16 | 10 38 | 1 55 | 9 39 | 0 48 | 3 29 | 1 43 | 1 4 | 15 0 | 21 26 | 21 20 | 21 24 | 10 5 | 5 59 | |
| M29 | 22 32 | 15 37 | 1 41 | 20 11 | 1 1 | 22 35 | 1 9 | 24 9 | 0 38 | 9 30 | 1 17 | 10 36 | 1 55 | 9 40 | 0 48 | 3 29 | 1 43 | 1 4 | 15 0 | 21 26 | 21 20 | 21 22 | 10 4 | 5 59 | |
| T 30 | 22 24 | 11 3 | 2 40 | 19 42 | 0 50 | 22 23 | 1 11 | 24 10 | 0 39 | 9 32 | 1 17 | 10 33 | 1 55 | 9 40 | 0 48 | 3 29 | 1 43 | 1 5 | 15 0 | 21 25 | 21 21 | 21 20 | 10 3 | 5 59 | |
| W31 | 22s16 | 6n 4 | 3s34 | 19s13 | 0s38 | 22s11 | 1s12 | 24s10 | 0s39 | 9s34 | 1n17 | 10s31 | 1s55 | 9n41 | 0n48 | 3n29 | 1s43 | 1n 5 | 14s59 | 21s25 | 21s21 | 21n18 | 10s 2 | 5n59 | |

Julian Day Number = 2223976.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°02'56, Lahiri = 15°09'57 Julian Calendar 1 Dec. 1376 == Greg. Calendar 9 Dec. 1376


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## JANUARY 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 14 59 | 19♑18'40 | 18♍ 0 | 8♒ 2 | 27♑24 | 1♑57 | 28♎ 1 | 7♓42 | 7°R 3 | 12♈48 | 11°R37 | 23♑46 | 24♑ 6 | 24♋29 | 17♒15 | T 1 |
| F 2 | 7 18 56 | 20°19'45 | 0♎18 | 9° 1 | 28°40 | 2°43 | 28° 7 | 7°47 | 7♍ 2 | 12°48 | 11♉36 | 23°47 | 24° 3 | 24°36 | 17°19 | F 2 |
| S 3 | 7 22 52 | 21°20'50 | 12°53 | 9°52 | 29°55 | 3°28 | 28°13 | 7°53 | 7° 0 | 12°49 | 11°36 | 23°47 | 23°59 | 24°42 | 17°22 | S 3 |
| S 4 | 7 26 49 | 22°21'54 | 25°48 | 10°34 | 1♒10 | 4°14 | 28°19 | 7°59 | 6°59 | 12°49 | 11°36 | 23°R47 | 23°56 | 24°49 | 17°26 | S 4 |
| M 5 | 7 30 45 | 23°22'57 | 9♏ 7 | 11° 8 | 2°26 | 4°59 | 28°25 | 8° 5 | 6°57 | 12°50 | 11°36 | 23°D47 | 23°53 | 24°55 | 17°30 | M 5 |
| T 6 | 7 34 42 | 24°24'00 | 22°52 | 11°32 | 3°41 | 5°45 | 28°30 | 8°11 | 6°56 | 12°51 | 11°35 | 23°47 | 23°50 | 25° 2 | 17°34 | T 6 |
| W 7 | 7 38 38 | 25°25'03 | 7♐ 3 | 11°46 | 4°56 | 6°30 | 28°35 | 8°17 | 6°54 | 12°52 | 11°35 | 23°47 | 23°47 | 25° 9 | 17°38 | W 7 |
| T 8 | 7 42 35 | 26°26'05 | 21°40 | 11°R49 | 6°12 | 7°16 | 28°40 | 8°23 | 6°52 | 12°52 | 11°35 | 23°47 | 23°44 | 25°15 | 17°42 | T 8 |
| F 9 | 7 46 32 | 27°27'06 | 6♑37 | 11°40 | 7°27 | 8° 2 | 28°45 | 8°29 | 6°50 | 12°53 | 11°35 | 23°48 | 23°40 | 25°22 | 17°46 | F 9 |
| S 10 | 7 50 28 | 28°28'07 | 21°48 | 11°20 | 8°42 | 8°48 | 28°50 | 8°36 | 6°48 | 12°54 | 11°35 | 23°R48 | 23°37 | 25°29 | 17°50 | S 10 |
| S 11 | 7 54 25 | 29°29'07 | 7♒ 2 | 10°48 | 9°57 | 9°33 | 28°55 | 8°42 | 6°47 | 12°55 | 11°34 | 23°48 | 23°34 | 25°35 | 17°54 | S 11 |
| M12 | 7 58 21 | 0♒30'05 | 22°10 | 10° 6 | 11°13 | 10°19 | 28°59 | 8°48 | 6°45 | 12°56 | 11°34 | 23°47 | 23°31 | 25°42 | 17°58 | M12 |
| T 13 | 8 2 18 | 1°31'02 | 7♓ 3 | 9°15 | 12°28 | 11° 5 | 29° 4 | 8°55 | 6°43 | 12°57 | 11°34 | 23°46 | 23°28 | 25°49 | 18° 2 | T 13 |
| W14 | 8 6 14 | 2°31'58 | 21°34 | 8°15 | 13°43 | 11°51 | 29° 8 | 9° 1 | 6°41 | 12°58 | 11°34 | 23°45 | 23°24 | 25°55 | 18° 6 | W14 |
| T 15 | 8 10 11 | 3°32'53 | 5♈39 | 7° 9 | 14°58 | 12°37 | 29°12 | 9° 8 | 6°39 | 12°59 | 11°34 | 23°44 | 23°21 | 26° 2 | 18°10 | T 15 |
| F 16 | 8 14 7 | 4°33'46 | 19°16 | 5°59 | 16°13 | 13°23 | 29°16 | 9°14 | 6°37 | 13° 0 | 11°34 | 23°43 | 23°18 | 26° 9 | 18°15 | F 16 |
| S 17 | 8 18 4 | 5°34'38 | 2♉26 | 4°46 | 17°28 | 14° 9 | 29°19 | 9°21 | 6°35 | 13° 1 | 11°D34 | 23°D43 | 23°15 | 26°15 | 18°19 | S 17 |
| S 18 | 8 22 1 | 6°35'29 | 15°13 | 3°33 | 18°43 | 14°55 | 29°23 | 9°27 | 6°32 | 13° 2 | 11°34 | 23°43 | 23°12 | 26°22 | 18°23 | S 18 |
| M19 | 8 25 57 | 7°36'17 | 27°39 | 2°21 | 19°59 | 15°41 | 29°26 | 9°34 | 6°30 | 13° 3 | 11°34 | 23°44 | 23° 9 | 26°28 | 18°27 | M19 |
| T 20 | 8 29 54 | 8°37'05 | 9♊50 | 1°13 | 21°14 | 16°27 | 29°29 | 9°41 | 6°28 | 13° 5 | 11°34 | 23°45 | 23° 5 | 26°35 | 18°31 | T 20 |
| W21 | 8 33 50 | 9°37'51 | 21°50 | 0°10 | 22°29 | 17°13 | 29°32 | 9°48 | 6°26 | 13° 6 | 11°34 | 23°47 | 23° 2 | 26°42 | 18°35 | W21 |
| T 22 | 8 37 47 | 10°38'35 | 3♋41 | 29♑14 | 23°44 | 17°59 | 29°35 | 9°54 | 6°24 | 13° 7 | 11°34 | 23°48 | 22°59 | 26°48 | 18°39 | T 22 |
| F 23 | 8 41 43 | 11°39'18 | 15°29 | 28°24 | 24°59 | 18°45 | 29°37 | 10° 1 | 6°21 | 13° 8 | 11°34 | 23°49 | 22°56 | 26°55 | 18°44 | F 23 |
| S 24 | 8 45 40 | 12°40'00 | 27°16 | 27°42 | 26°14 | 19°31 | 29°39 | 10° 8 | 6°19 | 13°10 | 11°35 | 23°R49 | 22°53 | 27° 2 | 18°48 | S 24 |
| S 25 | 8 49 37 | 13°40'40 | 9♌ 5 | 27° 8 | 27°29 | 20°17 | 29°42 | 10°15 | 6°17 | 13°11 | 11°35 | 23°48 | 22°50 | 27° 8 | 18°52 | S 25 |
| M26 | 8 53 33 | 14°41'18 | 20°58 | 26°42 | 28°44 | 21° 4 | 29°44 | 10°22 | 6°14 | 13°12 | 11°35 | 23°46 | 22°46 | 27°15 | 18°56 | M26 |
| T 27 | 8 57 30 | 15°41'55 | 2♍56 | 26°24 | 29°59 | 21°50 | 29°45 | 10°29 | 6°12 | 13°14 | 11°35 | 23°43 | 22°43 | 27°22 | 19° 0 | T 27 |
| W28 | 9 1 26 | 16°42'31 | 15° 2 | 26°14 | 1♓14 | 22°36 | 29°47 | 10°36 | 6°10 | 13°15 | 11°35 | 23°40 | 22°40 | 27°28 | 19° 5 | W28 |
| T 29 | 9 5 23 | 17°43'05 | 27°17 | 26°D11 | 2°28 | 23°22 | 29°49 | 10°43 | 6° 7 | 13°16 | 11°36 | 23°36 | 22°37 | 27°35 | 19° 9 | T 29 |
| F 30 | 9 9 19 | 18°43'38 | 9♎44 | 26°15 | 3°43 | 24° 9 | 29°50 | 10°50 | 6° 5 | 13°18 | 11°36 | 23°32 | 22°34 | 27°42 | 19°13 | F 30 |
| S 31 | 9 13 16 | 19♒44'10 | 22♎25 | 26♑26 | 4♓58 | 24♑55 | 29♎51 | 10♓57 | 6♍ 2 | 13♈19 | 11♉36 | 23♑28 | 22♑30 | 27♋48 | 19♒17 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s 8 | 0n48 | 4s18 | 18s44 | 0s25 | 21s57 | 1s14 | 24s10 | 0s40 | 9s36 | 1n17 | 10s29 | 1s54 | 9n41 | 0n48 | 3n30 | 1s43 | 1n 5 | 14s59 | 21s25 | 21s22 | 21n16 | 10s 1 | 5n59 |
| F 2 | 21 59 | 4s35 | 4 52 | 18 15 | 0 11 | 21 43 | 1 15 | 24 10 | 0 40 | 9 38 | 1 17 | 10 27 | 1 54 | 9 42 | 0 48 | 3 30 | 1 42 | 1 5 | 14 59 | 21 25 | 21 22 | 21 14 | 10 0 | 5 58 |
| S 3 | 21 49 | 9 53 | 5 12 | 17 47 | 0n 4 | 21 29 | 1 16 | 24 9 | 0 41 | 9 40 | 1 18 | 10 24 | 1 54 | 9 42 | 0 48 | 3 30 | 1 42 | 1 5 | 14 58 | 21 25 | 21 23 | 21 12 | 9 59 | 5 58 |
| S 4 | 21 40 | 14 56 | 5 18 | 17 20 | 0 19 | 21 14 | 1 18 | 24 9 | 0 42 | 9 42 | 1 18 | 10 22 | 1 54 | 9 43 | 0 48 | 3 31 | 1 42 | 1 6 | 14 58 | 21 25 | 21 24 | 21 10 | 9 58 | 5 58 |
| M 5 | 21 29 | 19 25 | 5 7 | 16 55 | 0 36 | 20 58 | 1 19 | 24 8 | 0 42 | 9 44 | 1 18 | 10 20 | 1 54 | 9 44 | 0 48 | 3 31 | 1 42 | 1 6 | 14 58 | 21 25 | 21 24 | 21 8 | 9 57 | 5 58 |
| T 6 | 21 19 | 23 2 | 4 38 | 16 32 | 0 53 | 20 41 | 1 20 | 24 6 | 0 43 | 9 46 | 1 18 | 10 17 | 1 54 | 9 44 | 0 48 | 3 31 | 1 42 | 1 6 | 14 58 | 21 25 | 21 25 | 21 5 | 9 56 | 5 58 |
| W 7 | 21 8 | 25 22 | 3 52 | 16 11 | 1 11 | 20 24 | 1 21 | 24 5 | 0 43 | 9 47 | 1 18 | 10 15 | 1 54 | 9 45 | 0 48 | 3 32 | 1 42 | 1 6 | 14 57 | 21 25 | 21 25 | 21 3 | 9 55 | 5 57 |
| T 8 | 20 56 | 26 5 | 2 49 | 15 53 | 1 29 | 20 7 | 1 22 | 24 3 | 0 44 | 9 49 | 1 19 | 10 13 | 1 54 | 9 46 | 0 48 | 3 32 | 1 42 | 1 7 | 14 57 | 21 25 | 21 26 | 21 1 | 9 54 | 5 57 |
| F 9 | 20 44 | 24 55 | 1 34 | 15 38 | 1 47 | 19 48 | 1 23 | 24 1 | 0 44 | 9 51 | 1 19 | 10 10 | 1 54 | 9 46 | 0 48 | 3 32 | 1 42 | 1 7 | 14 57 | 21 25 | 21 26 | 20 59 | 9 53 | 5 57 |
| S 10 | 20 32 | 21 56 | 0 11 | 15 26 | 2 5 | 19 30 | 1 24 | 23 59 | 0 45 | 9 52 | 1 19 | 10 8 | 1 54 | 9 47 | 0 48 | 3 33 | 1 42 | 1 7 | 14 56 | 21 25 | 21 27 | 20 57 | 9 52 | 5 57 |
| S 11 | 20 20 | 17 24 | 1n13 | 15 18 | 2 22 | 19 10 | 1 25 | 23 56 | 0 45 | 9 54 | 1 19 | 10 5 | 1 54 | 9 48 | 0 48 | 3 33 | 1 42 | 1 7 | 14 56 | 21 25 | 21 27 | 20 55 | 9 51 | 5 57 |
| M12 | 20 7 | 11 47 | 2 31 | 15 14 | 2 38 | 18 50 | 1 25 | 23 53 | 0 46 | 9 55 | 1 19 | 10 3 | 1 54 | 9 49 | 0 48 | 3 34 | 1 42 | 1 8 | 14 56 | 21 25 | 21 28 | 20 53 | 9 50 | 5 57 |
| T 13 | 19 53 | 5 35 | 3 38 | 15 13 | 2 53 | 18 30 | 1 26 | 23 50 | 0 47 | 9 56 | 1 20 | 10 0 | 1 53 | 9 49 | 0 48 | 3 34 | 1 42 | 1 8 | 14 55 | 21 25 | 21 29 | 20 51 | 9 49 | 5 57 |
| W14 | 19 40 | 0n46 | 4 29 | 15 15 | 3 7 | 18 9 | 1 27 | 23 46 | 0 47 | 9 57 | 1 20 | 9 58 | 1 53 | 9 50 | 0 48 | 3 34 | 1 42 | 1 8 | 14 55 | 21 25 | 21 29 | 20 49 | 9 48 | 5 56 |
| T 15 | 19 26 | 6 52 | 5 2 | 15 21 | 3 18 | 17 47 | 1 27 | 23 43 | 0 48 | 9 59 | 1 20 | 9 55 | 1 53 | 9 51 | 0 48 | 3 35 | 1 42 | 1 9 | 14 55 | 21 26 | 21 30 | 20 47 | 9 47 | 5 56 |
| F 16 | 19 11 | 12 26 | 5 17 | 15 29 | 3 28 | 17 25 | 1 28 | 23 39 | 0 48 | 10 0 | 1 20 | 9 53 | 1 53 | 9 52 | 0 48 | 3 35 | 1 42 | 1 9 | 14 54 | 21 26 | 21 30 | 20 45 | 9 46 | 5 56 |
| S 17 | 18 56 | 17 16 | 5 14 | 15 40 | 3 34 | 17 3 | 1 28 | 23 35 | 0 49 | 10 1 | 1 20 | 9 50 | 1 53 | 9 52 | 0 48 | 3 36 | 1 42 | 1 9 | 14 54 | 21 26 | 21 31 | 20 42 | 9 45 | 5 56 |
| S 18 | 18 41 | 21 9 | 4 56 | 15 53 | 3 39 | 16 40 | 1 29 | 23 30 | 0 49 | 10 2 | 1 21 | 9 48 | 1 53 | 9 53 | 0 48 | 3 36 | 1 42 | 1 10 | 14 54 | 21 26 | 21 31 | 20 40 | 9 43 | 5 56 |
| M19 | 18 26 | 23 59 | 4 24 | 16 7 | 3 41 | 16 17 | 1 29 | 23 25 | 0 50 | 10 3 | 1 21 | 9 45 | 1 53 | 9 54 | 0 48 | 3 37 | 1 42 | 1 10 | 14 53 | 21 26 | 21 32 | 20 38 | 9 42 | 5 56 |
| T 20 | 18 10 | 25 38 | 3 40 | 16 22 | 3 41 | 15 53 | 1 29 | 23 20 | 0 50 | 10 4 | 1 21 | 9 43 | 1 53 | 9 55 | 0 48 | 3 37 | 1 42 | 1 10 | 14 53 | 21 25 | 21 32 | 20 36 | 9 41 | 5 56 |
| W21 | 17 54 | 26 4 | 2 48 | 16 38 | 3 38 | 15 28 | 1 29 | 23 15 | 0 51 | 10 5 | 1 21 | 9 40 | 1 53 | 9 56 | 0 48 | 3 38 | 1 41 | 1 11 | 14 53 | 21 25 | 21 33 | 20 34 | 9 40 | 5 56 |
| T 22 | 17 38 | 25 17 | 1 49 | 16 54 | 3 34 | 15 4 | 1 29 | 23 10 | 0 51 | 10 5 | 1 22 | 9 37 | 1 53 | 9 57 | 0 48 | 3 38 | 1 41 | 1 11 | 14 52 | 21 25 | 21 33 | 20 32 | 9 39 | 5 56 |
| F 23 | 17 21 | 23 23 | 0 46 | 17 10 | 3 27 | 14 39 | 1 29 | 23 4 | 0 52 | 10 6 | 1 22 | 9 35 | 1 53 | 9 58 | 0 48 | 3 39 | 1 41 | 1 11 | 14 52 | 21 25 | 21 34 | 20 30 | 9 38 | 5 55 |
| S 24 | 17 4 | 20 28 | 0s19 | 17 26 | 3 19 | 14 13 | 1 29 | 22 58 | 0 53 | 10 7 | 1 22 | 9 32 | 1 53 | 9 58 | 0 48 | 3 39 | 1 41 | 1 12 | 14 52 | 21 25 | 21 34 | 20 27 | 9 36 | 5 55 |
| S 25 | 16 47 | 16 42 | 1 23 | 17 41 | 3 10 | 13 47 | 1 29 | 22 51 | 0 53 | 10 7 | 1 22 | 9 29 | 1 53 | 9 59 | 0 48 | 3 40 | 1 41 | 1 12 | 14 51 | 21 25 | 21 35 | 20 25 | 9 35 | 5 55 |
| M26 | 16 29 | 12 17 | 2 24 | 17 56 | 3 0 | 13 21 | 1 29 | 22 45 | 0 54 | 10 8 | 1 22 | 9 27 | 1 53 | 10 0 | 0 48 | 3 41 | 1 41 | 1 12 | 14 51 | 21 25 | 21 35 | 20 23 | 9 34 | 5 55 |
| T 27 | 16 11 | 7 22 | 3 19 | 18 10 | 2 50 | 12 54 | 1 29 | 22 38 | 0 54 | 10 8 | 1 23 | 9 24 | 1 53 | 10 1 | 0 48 | 3 41 | 1 41 | 1 13 | 14 51 | 21 26 | 21 36 | 20 21 | 9 33 | 5 55 |
| W28 | 15 53 | 2 8 | 4 6 | 18 23 | 2 38 | 12 27 | 1 29 | 22 31 | 0 55 | 10 8 | 1 23 | 9 21 | 1 53 | 10 2 | 0 48 | 3 42 | 1 41 | 1 13 | 14 50 | 21 26 | 21 37 | 20 19 | 9 32 | 5 55 |
| T 29 | 15 35 | 3s14 | 4 42 | 18 35 | 2 26 | 12 0 | 1 28 | 22 24 | 0 55 | 10 9 | 1 23 | 9 19 | 1 53 | 10 3 | 0 48 | 3 42 | 1 41 | 1 14 | 14 50 | 21 27 | 21 37 | 20 17 | 9 30 | 5 55 |
| F 30 | 15 16 | 8 32 | 5 5 | 18 47 | 2 14 | 11 33 | 1 28 | 22 16 | 0 56 | 10 9 | 1 23 | 9 16 | 1 53 | 10 4 | 0 48 | 3 43 | 1 41 | 1 14 | 14 50 | 21 28 | 21 38 | 20 14 | 9 29 | 5 55 |
| S 31 | 14s57 | 13s36 | 5s14 | 18s57 | 2n 2 | 11s 5 | 1s27 | 22s 8 | 0s56 | 10s 9 | 1n24 | 9s13 | 1s53 | 10n 5 | 0n49 | 3n44 | 1s41 | 1n14 | 14s49 | 21s28 | 21s38 | 20n12 | 9s28 | 5n55 |

Julian Day Number = 2224007.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'00, Lahiri = 15°10'01 Julian Calendar 1 Jan. 1377 == Greg. Calendar 9 Jan. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## FEBRUARY 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 17 12 | 20♒44'40 | 5♏21 | 26♑43 | 6♓13 | 25♑41 | 29♎52 | 11♓ 4 | 6°R 0 | 13♈21 | 11♉37 | 23°R26 | 22♑27 | 27♋55 | 19♒21 | S 1 |
| M 2 | 9 21 9 | 21°45'09 | 18°35 | 27° 6 | 7°28 | 26°28 | 29°52 | 11°11 | 5♍57 | 13°22 | 11°37 | 23°D25 | 22°24 | 28° 2 | 19°25 | M 2 |
| T 3 | 9 25 5 | 22°45'36 | 2♐10 | 27°34 | 8°43 | 27°14 | 29°53 | 11°19 | 5°55 | 13°24 | 11°37 | 23♑25 | 22°21 | 28° 8 | 19°30 | T 3 |
| W 4 | 9 29 2 | 23°46'03 | 16° 6 | 28° 7 | 9°57 | 28° 1 | 29°53 | 11°26 | 5°52 | 13°26 | 11°38 | 23°26 | 22°18 | 28°15 | 19°34 | W 4 |
| T 5 | 9 32 59 | 24°46'28 | 0♑25 | 28°44 | 11°12 | 28°47 | 29°R53 | 11°33 | 5°50 | 13°27 | 11°38 | 23°28 | 22°15 | 28°21 | 19°38 | T 5 |
| F 6 | 9 36 55 | 25°46'52 | 15° 3 | 29°26 | 12°27 | 29°34 | 29°53 | 11°40 | 5°47 | 13°29 | 11°38 | 23°29 | 22°11 | 28°28 | 19°42 | F 6 |
| S 7 | 9 40 52 | 26°47'14 | 29°57 | 0♒12 | 13°41 | 0♒20 | 29°53 | 11°47 | 5°44 | 13°31 | 11°39 | 23°R29 | 22° 8 | 28°35 | 19°46 | S 7 |
| S 8 | 9 44 48 | 27°47'34 | 15♒ 1 | 1° 1 | 14°56 | 1° 7 | 29°53 | 11°55 | 5°42 | 13°32 | 11°39 | 23°28 | 22° 5 | 28°41 | 19°51 | S 8 |
| M 9 | 9 48 45 | 28°47'53 | 0♓ 5 | 1°53 | 16°11 | 1°53 | 29°52 | 12° 2 | 5°39 | 13°34 | 11°40 | 23°24 | 22° 2 | 28°48 | 19°55 | M 9 |
| T 10 | 9 52 41 | 29°48'10 | 15° 0 | 2°49 | 17°25 | 2°40 | 29°51 | 12° 9 | 5°37 | 13°36 | 11°40 | 23°20 | 21°59 | 28°55 | 19°59 | T 10 |
| W11 | 9 56 38 | 0♓48'25 | 29°38 | 3°47 | 18°40 | 3°26 | 29°50 | 12°17 | 5°34 | 13°37 | 11°41 | 23°14 | 21°56 | 29° 1 | 20° 3 | W11 |
| T 12 | 10 0 34 | 1°48'38 | 13♈52 | 4°49 | 19°54 | 4°13 | 29°49 | 12°24 | 5°31 | 13°39 | 11°41 | 23° 8 | 21°52 | 29° 8 | 20° 7 | T 12 |
| F 13 | 10 4 31 | 2°48'49 | 27°39 | 5°52 | 21° 9 | 4°59 | 29°48 | 12°31 | 5°29 | 13°41 | 11°42 | 23° 2 | 21°49 | 29°15 | 20°11 | F 13 |
| S 14 | 10 8 28 | 3°48'58 | 10♉58 | 6°58 | 22°23 | 5°46 | 29°46 | 12°39 | 5°26 | 13°43 | 11°43 | 22°58 | 21°46 | 29°21 | 20°15 | S 14 |
| S 15 | 10 12 24 | 4°49'05 | 23°50 | 8° 7 | 23°38 | 6°32 | 29°44 | 12°46 | 5°24 | 13°45 | 11°43 | 22°56 | 21°43 | 29°28 | 20°19 | S 15 |
| M16 | 10 16 21 | 5°49'09 | 6♊19 | 9°17 | 24°52 | 7°19 | 29°42 | 12°54 | 5°21 | 13°47 | 11°44 | 22°D55 | 21°40 | 29°35 | 20°24 | M16 |
| T 17 | 10 20 17 | 6°49'12 | 18°29 | 10°29 | 26° 7 | 8° 6 | 29°40 | 13° 1 | 5°18 | 13°48 | 11°45 | 22°56 | 21°36 | 29°41 | 20°28 | T 17 |
| W18 | 10 24 14 | 7°49'12 | 0♋27 | 11°43 | 27°21 | 8°52 | 29°38 | 13° 9 | 5°16 | 13°50 | 11°45 | 22°57 | 21°33 | 29°48 | 20°32 | W18 |
| T 19 | 10 28 10 | 8°49'11 | 12°16 | 12°59 | 28°35 | 9°39 | 29°35 | 13°16 | 5°13 | 13°52 | 11°46 | 22°58 | 21°30 | 29°54 | 20°36 | T 19 |
| F 20 | 10 32 7 | 9°49'07 | 24° 2 | 14°17 | 29°50 | 10°26 | 29°33 | 13°23 | 5°11 | 13°54 | 11°47 | 22°R59 | 21°27 | 0♌ 1 | 20°40 | F 20 |
| S 21 | 10 36 3 | 10°49'01 | 5♌50 | 15°36 | 1♈ 4 | 11°12 | 29°30 | 13°31 | 5° 8 | 13°56 | 11°47 | 22°58 | 21°24 | 0° 8 | 20°44 | S 21 |
| S 22 | 10 40 0 | 11°48'52 | 17°42 | 16°57 | 2°18 | 11°59 | 29°27 | 13°38 | 5° 5 | 13°58 | 11°48 | 22°55 | 21°21 | 0°14 | 20°48 | S 22 |
| M23 | 10 43 57 | 12°48'42 | 29°41 | 18°19 | 3°32 | 12°46 | 29°23 | 13°46 | 5° 3 | 14° 0 | 11°49 | 22°49 | 21°17 | 0°21 | 20°52 | M23 |
| T 24 | 10 47 53 | 13°48'30 | 11♍51 | 19°43 | 4°47 | 13°32 | 29°20 | 13°53 | 5° 0 | 14° 2 | 11°50 | 22°42 | 21°14 | 0°28 | 20°56 | T 24 |
| W25 | 10 51 50 | 14°48'15 | 24°11 | 21° 9 | 6° 1 | 14°19 | 29°16 | 14° 1 | 4°58 | 14° 4 | 11°50 | 22°33 | 21°11 | 0°34 | 20°59 | W25 |
| T 26 | 10 55 46 | 15°47'59 | 6♎42 | 22°35 | 7°15 | 15° 6 | 29°13 | 14° 8 | 4°55 | 14° 6 | 11°51 | 22°23 | 21° 8 | 0°41 | 21° 3 | T 26 |
| F 27 | 10 59 43 | 16°47'40 | 19°26 | 24° 3 | 8°29 | 15°52 | 29° 9 | 14°15 | 4°52 | 14° 8 | 11°52 | 22°13 | 21° 5 | 0°48 | 21° 7 | F 27 |
| S 28 | 11 3 39 | 17♓47'20 | 2♏21 | 25♒33 | 9♈43 | 16♒39 | 29♎ 5 | 14♓23 | 4♍50 | 14♈10 | 11♉53 | 22♑ 4 | 21♑ 1 | 0♌54 | 21♒11 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s38 | 18s10 | 5s 7 | 19s 6 | 1n49 | 10s36 | 1s27 | 22s 0 | 0s57 | 10s 9 | 1n24 | 9s10 | 1s53 | 10n 6 | 0n49 | 3n44 | 1s41 | 1n15 | 14s49 | 21s29 | 21s39 | 20n10 | 9s27 | 5n55 |
| M 2 | 14 18 | 21 58 | 4 45 | 19 14 | 1 37 | 10 8 | 1 26 | 21 52 | 0 57 | 10 9 | 1 24 | 9 8 | 1 53 | 10 7 | 0 49 | 3 45 | 1 41 | 1 15 | 14 49 | 21 29 | 21 39 | 20 8 | 9 25 | 5 55 |
| T 3 | 13 59 | 24 40 | 4 5 | 19 20 | 1 25 | 9 39 | 1 26 | 21 43 | 0 58 | 10 9 | 1 24 | 9 5 | 1 53 | 10 8 | 0 49 | 3 45 | 1 41 | 1 16 | 14 48 | 21 29 | 21 40 | 20 6 | 9 24 | 5 55 |
| W 4 | 13 39 | 25 57 | 3 11 | 19 25 | 1 13 | 9 10 | 1 25 | 21 35 | 0 58 | 10 9 | 1 24 | 9 2 | 1 53 | 10 9 | 0 49 | 3 46 | 1 41 | 1 16 | 14 48 | 21 29 | 21 40 | 20 4 | 9 23 | 5 55 |
| T 5 | 13 19 | 25 34 | 2 3 | 19 30 | 1 1 | 8 41 | 1 24 | 21 26 | 0 59 | 10 9 | 1 25 | 8 59 | 1 53 | 10 9 | 0 49 | 3 47 | 1 41 | 1 16 | 14 48 | 21 28 | 21 41 | 20 1 | 9 22 | 5 55 |
| F 6 | 12 58 | 23 26 | 0 46 | 19 32 | 0 49 | 8 12 | 1 23 | 21 16 | 0 59 | 10 9 | 1 25 | 8 57 | 1 53 | 10 10 | 0 49 | 3 47 | 1 41 | 1 17 | 14 47 | 21 28 | 21 41 | 19 59 | 9 20 | 5 55 |
| S 7 | 12 38 | 19 39 | 0n35 | 19 34 | 0 38 | 7 42 | 1 22 | 21 7 | 0 59 | 10 8 | 1 25 | 8 54 | 1 53 | 10 11 | 0 49 | 3 48 | 1 41 | 1 17 | 14 47 | 21 28 | 21 42 | 19 57 | 9 19 | 5 55 |
| S 8 | 12 17 | 14 33 | 1 55 | 19 34 | 0 26 | 7 12 | 1 21 | 20 57 | 1 0 | 10 8 | 1 25 | 8 51 | 1 53 | 10 12 | 0 49 | 3 49 | 1 41 | 1 18 | 14 47 | 21 28 | 21 42 | 19 55 | 9 18 | 5 55 |
| M 9 | 11 56 | 8 34 | 3 7 | 19 33 | 0 15 | 6 42 | 1 20 | 20 47 | 1 0 | 10 8 | 1 26 | 8 48 | 1 53 | 10 13 | 0 49 | 3 50 | 1 41 | 1 18 | 14 46 | 21 29 | 21 43 | 19 53 | 9 16 | 5 55 |
| T 10 | 11 35 | 2 10 | 4 5 | 19 31 | 0 5 | 6 12 | 1 19 | 20 37 | 1 1 | 10 7 | 1 26 | 8 45 | 1 53 | 10 14 | 0 49 | 3 50 | 1 41 | 1 19 | 14 46 | 21 30 | 21 43 | 19 50 | 9 15 | 5 55 |
| W11 | 11 13 | 4n13 | 4 45 | 19 27 | 0s 5 | 5 41 | 1 18 | 20 27 | 1 1 | 10 7 | 1 26 | 8 43 | 1 53 | 10 15 | 0 49 | 3 51 | 1 41 | 1 19 | 14 46 | 21 31 | 21 44 | 19 48 | 9 14 | 5 55 |
| T 12 | 10 52 | 10 12 | 5 7 | 19 22 | 0 15 | 5 11 | 1 16 | 20 16 | 1 2 | 10 6 | 1 26 | 8 40 | 1 53 | 10 16 | 0 49 | 3 52 | 1 41 | 1 20 | 14 45 | 21 32 | 21 44 | 19 46 | 9 13 | 5 55 |
| F 13 | 10 30 | 15 29 | 5 10 | 19 16 | 0 25 | 4 40 | 1 15 | 20 5 | 1 2 | 10 5 | 1 26 | 8 37 | 1 53 | 10 17 | 0 49 | 3 52 | 1 41 | 1 20 | 14 45 | 21 33 | 21 45 | 19 44 | 9 11 | 5 55 |
| S 14 | 10 9 | 19 51 | 4 56 | 19 8 | 0 34 | 4 9 | 1 14 | 19 54 | 1 3 | 10 5 | 1 27 | 8 34 | 1 53 | 10 18 | 0 49 | 3 53 | 1 41 | 1 21 | 14 45 | 21 34 | 21 45 | 19 41 | 9 10 | 5 55 |
| S 15 | 9 47 | 23 6 | 4 27 | 18 59 | 0 43 | 3 39 | 1 12 | 19 43 | 1 3 | 10 4 | 1 27 | 8 31 | 1 53 | 10 19 | 0 49 | 3 54 | 1 40 | 1 21 | 14 44 | 21 34 | 21 46 | 19 39 | 9 9 | 5 55 |
| M16 | 9 25 | 25 9 | 3 46 | 18 49 | 0 51 | 3 8 | 1 11 | 19 32 | 1 3 | 10 3 | 1 27 | 8 28 | 1 53 | 10 20 | 0 49 | 3 55 | 1 40 | 1 21 | 14 44 | 21 34 | 21 46 | 19 37 | 9 7 | 5 55 |
| T 17 | 9 2 | 25 57 | 2 56 | 18 37 | 0 59 | 2 36 | 1 9 | 19 20 | 1 4 | 10 2 | 1 27 | 8 26 | 1 53 | 10 21 | 0 49 | 3 55 | 1 40 | 1 22 | 14 44 | 21 34 | 21 47 | 19 35 | 9 6 | 5 55 |
| W18 | 8 40 | 25 30 | 1 59 | 18 24 | 1 7 | 2 5 | 1 8 | 19 8 | 1 4 | 10 1 | 1 27 | 8 23 | 1 53 | 10 22 | 0 49 | 3 56 | 1 40 | 1 22 | 14 44 | 21 34 | 21 47 | 19 32 | 9 5 | 5 55 |
| T 19 | 8 17 | 23 55 | 0 58 | 18 10 | 1 14 | 1 34 | 1 6 | 18 56 | 1 5 | 10 0 | 1 28 | 8 20 | 1 53 | 10 23 | 0 49 | 3 57 | 1 40 | 1 23 | 14 43 | 21 33 | 21 48 | 19 30 | 9 3 | 5 55 |
| F 20 | 7 55 | 21 17 | 0s 6 | 17 54 | 1 21 | 1 3 | 1 4 | 18 44 | 1 5 | 9 59 | 1 28 | 8 17 | 1 53 | 10 24 | 0 49 | 3 58 | 1 40 | 1 23 | 14 43 | 21 33 | 21 48 | 19 28 | 9 2 | 5 55 |
| S 21 | 7 32 | 17 46 | 1 9 | 17 37 | 1 28 | 0 32 | 1 2 | 18 31 | 1 5 | 9 58 | 1 28 | 8 14 | 1 53 | 10 25 | 0 49 | 3 59 | 1 40 | 1 24 | 14 43 | 21 34 | 21 49 | 19 26 | 9 1 | 5 55 |
| S 22 | 7 9 | 13 32 | 2 9 | 17 18 | 1 34 | 0 0 | 1 0 | 18 19 | 1 6 | 9 56 | 1 28 | 8 11 | 1 53 | 10 26 | 0 49 | 3 59 | 1 40 | 1 24 | 14 42 | 21 34 | 21 49 | 19 23 | 8 59 | 5 56 |
| M23 | 6 46 | 8 44 | 3 5 | 16 58 | 1 40 | 0n31 | 0 59 | 18 6 | 1 6 | 9 55 | 1 28 | 8 9 | 1 53 | 10 27 | 0 49 | 4 0 | 1 40 | 1 25 | 14 42 | 21 35 | 21 50 | 19 21 | 8 58 | 5 56 |
| T 24 | 6 23 | 3 34 | 3 52 | 16 37 | 1 45 | 1 2 | 0 57 | 17 53 | 1 7 | 9 54 | 1 29 | 8 6 | 1 53 | 10 28 | 0 49 | 4 1 | 1 40 | 1 25 | 14 42 | 21 36 | 21 50 | 19 19 | 8 57 | 5 56 |
| W25 | 6 0 | 1s48 | 4 30 | 16 14 | 1 50 | 1 34 | 0 55 | 17 40 | 1 7 | 9 52 | 1 29 | 8 3 | 1 53 | 10 29 | 0 49 | 4 2 | 1 40 | 1 26 | 14 42 | 21 38 | 21 51 | 19 17 | 8 55 | 5 56 |
| T 26 | 5 37 | 7 10 | 4 54 | 15 50 | 1 55 | 2 5 | 0 53 | 17 26 | 1 7 | 9 51 | 1 29 | 8 0 | 1 53 | 10 30 | 0 49 | 4 3 | 1 40 | 1 26 | 14 41 | 21 39 | 21 51 | 19 14 | 8 54 | 5 56 |
| F 27 | 5 14 | 12 20 | 5 5 | 15 25 | 1 59 | 2 36 | 0 50 | 17 13 | 1 8 | 9 49 | 1 29 | 7 57 | 1 53 | 10 31 | 0 49 | 4 3 | 1 40 | 1 27 | 14 41 | 21 41 | 21 52 | 19 12 | 8 53 | 5 56 |
| S 28 | 4s51 | 17s 2 | 5s 1 | 14s59 | 2s 3 | 3n 7 | 0s48 | 16s59 | 1s 8 | 9s48 | 1n29 | 7s54 | 1s53 | 10n32 | 0n49 | 4n 4 | 1s40 | 1n27 | 14s41 | 21s42 | 21s52 | 19n10 | 8s52 | 5n56 |

Julian Day Number = 2224038.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'05, Lahiri = 15°10'05 Julian Calendar 1 Feb. 1377 == Greg. Calendar 9 Feb. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## MARCH 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 7 36 | 18♓46'58 | 15♏29 | 27♒ 3 | 10♈57 | 17♒26 | 29°R 1 | 14♓30 | 4°R47 | 14♈12 | 11♉54 | 21°R57 | 20♑58 | 1♌ 1 | 21♒15 | S 1 |
| M 2 | 11 11 32 | 19°46'34 | 28°50 | 28°36 | 12°11 | 18°13 | 28♎56 | 14°38 | 4♍45 | 14°14 | 11°55 | 21♑53 | 20°55 | 1° 8 | 21°19 | M 2 |
| T 3 | 11 15 29 | 20°46'09 | 12♐25 | 0♓ 9 | 13°24 | 18°59 | 28°52 | 14°45 | 4°42 | 14°17 | 11°55 | 21°51 | 20°52 | 1°14 | 21°22 | T 3 |
| W 4 | 11 19 26 | 21°45'42 | 26°14 | 1°44 | 14°38 | 19°46 | 28°47 | 14°53 | 4°40 | 14°19 | 11°56 | 21°D51 | 20°49 | 1°21 | 21°26 | W 4 |
| T 5 | 11 23 22 | 22°45'13 | 10♑18 | 3°20 | 15°52 | 20°33 | 28°42 | 15° 0 | 4°37 | 14°21 | 11°57 | 21°51 | 20°46 | 1°28 | 21°30 | T 5 |
| F 6 | 11 27 19 | 23°44'43 | 24°37 | 4°57 | 17° 6 | 21°20 | 28°37 | 15° 7 | 4°35 | 14°23 | 11°58 | 21°R51 | 20°42 | 1°34 | 21°34 | F 6 |
| S 7 | 11 31 15 | 24°44'10 | 9♒ 8 | 6°36 | 18°20 | 22° 6 | 28°32 | 15°15 | 4°33 | 14°25 | 11°59 | 21°50 | 20°39 | 1°41 | 21°37 | S 7 |
| S 8 | 11 35 12 | 25°43'36 | 23°49 | 8°16 | 19°33 | 22°53 | 28°27 | 15°22 | 4°30 | 14°27 | 12° 0 | 21°47 | 20°36 | 1°47 | 21°41 | S 8 |
| M 9 | 11 39 8 | 26°42'59 | 8♓32 | 9°57 | 20°47 | 23°40 | 28°21 | 15°30 | 4°28 | 14°29 | 12° 1 | 21°41 | 20°33 | 1°54 | 21°45 | M 9 |
| T 10 | 11 43 5 | 27°42'21 | 23°12 | 11°40 | 22° 1 | 24°27 | 28°15 | 15°37 | 4°25 | 14°32 | 12° 2 | 21°32 | 20°30 | 2° 1 | 21°48 | T 10 |
| W11 | 11 47 1 | 28°41'41 | 7♈40 | 13°24 | 23°14 | 25°13 | 28°10 | 15°44 | 4°23 | 14°34 | 12° 3 | 21°21 | 20°27 | 2° 7 | 21°52 | W11 |
| T 12 | 11 50 58 | 29°40'58 | 21°49 | 15° 9 | 24°28 | 26° 0 | 28° 4 | 15°52 | 4°21 | 14°36 | 12° 4 | 21°10 | 20°23 | 2°14 | 21°55 | T 12 |
| F 13 | 11 54 55 | 0♈40'14 | 5♉36 | 16°56 | 25°41 | 26°47 | 27°58 | 15°59 | 4°19 | 14°38 | 12° 5 | 21° 0 | 20°20 | 2°21 | 21°59 | F 13 |
| S 14 | 11 58 51 | 1°39'27 | 18°56 | 18°44 | 26°55 | 27°33 | 27°52 | 16° 6 | 4°16 | 14°40 | 12° 6 | 20°51 | 20°17 | 2°27 | 22° 2 | S 14 |
| S 15 | 12 2 48 | 2°38'38 | 1♊52 | 20°34 | 28° 8 | 28°20 | 27°46 | 16°13 | 4°14 | 14°43 | 12° 7 | 20°45 | 20°14 | 2°34 | 22° 6 | S 15 |
| M16 | 12 6 44 | 3°37'47 | 14°24 | 22°24 | 29°21 | 29° 7 | 27°39 | 16°21 | 4°12 | 14°45 | 12° 9 | 20°41 | 20°11 | 2°41 | 22° 9 | M16 |
| T 17 | 12 10 41 | 4°36'53 | 26°37 | 24°17 | 0♉35 | 29°54 | 27°33 | 16°28 | 4°10 | 14°47 | 12°10 | 20°40 | 20° 7 | 2°47 | 22°12 | T 17 |
| W18 | 12 14 37 | 5°35'57 | 8♋36 | 26°10 | 1°48 | 0♓40 | 27°26 | 16°35 | 4° 8 | 14°49 | 12°11 | 20°D39 | 20° 4 | 2°54 | 22°16 | W18 |
| T 19 | 12 18 34 | 6°34'59 | 20°26 | 28° 6 | 3° 1 | 1°27 | 27°20 | 16°42 | 4° 6 | 14°52 | 12°12 | 20°R40 | 20° 1 | 3° 1 | 22°19 | T 19 |
| F 20 | 12 22 30 | 7°33'58 | 2♌13 | 0♈ 2 | 4°14 | 2°14 | 27°13 | 16°49 | 4° 4 | 14°54 | 12°13 | 20°39 | 19°58 | 3° 7 | 22°22 | F 20 |
| S 21 | 12 26 27 | 8°32'55 | 14° 3 | 2° 0 | 5°27 | 3° 0 | 27° 6 | 16°57 | 4° 1 | 14°56 | 12°14 | 20°37 | 19°55 | 3°14 | 22°25 | S 21 |
| S 22 | 12 30 24 | 9°31'50 | 25°59 | 3°59 | 6°41 | 3°47 | 26°59 | 17° 4 | 3°59 | 14°58 | 12°15 | 20°32 | 19°52 | 3°21 | 22°28 | S 22 |
| M23 | 12 34 20 | 10°30'42 | 8♍ 5 | 5°59 | 7°53 | 4°33 | 26°52 | 17°11 | 3°58 | 15° 1 | 12°16 | 20°25 | 19°48 | 3°27 | 22°32 | M23 |
| T 24 | 12 38 17 | 11°29'33 | 20°25 | 8° 1 | 9° 6 | 5°20 | 26°45 | 17°18 | 3°56 | 15° 3 | 12°18 | 20°15 | 19°45 | 3°34 | 22°35 | T 24 |
| W25 | 12 42 13 | 12°28'21 | 3♎ 0 | 10° 4 | 10°19 | 6° 7 | 26°38 | 17°25 | 3°54 | 15° 5 | 12°19 | 20° 3 | 19°42 | 3°40 | 22°38 | W25 |
| T 26 | 12 46 10 | 13°27'07 | 15°50 | 12° 8 | 11°32 | 6°53 | 26°30 | 17°32 | 3°52 | 15° 7 | 12°20 | 19°50 | 19°39 | 3°47 | 22°41 | T 26 |
| F 27 | 12 50 6 | 14°25'51 | 28°54 | 14°13 | 12°45 | 7°40 | 26°23 | 17°39 | 3°50 | 15°10 | 12°21 | 19°37 | 19°36 | 3°54 | 22°44 | F 27 |
| S 28 | 12 54 3 | 15°24'33 | 12♏12 | 16°19 | 13°58 | 8°26 | 26°16 | 17°46 | 3°48 | 15°12 | 12°22 | 19°26 | 19°33 | 4° 0 | 22°46 | S 28 |
| S 29 | 12 57 59 | 16°23'14 | 25°41 | 18°25 | 15°10 | 9°13 | 26° 8 | 17°52 | 3°47 | 15°14 | 12°24 | 19°16 | 19°29 | 4° 7 | 22°49 | S 29 |
| M30 | 13 1 56 | 17°21'52 | 9♐20 | 20°32 | 16°23 | 9°59 | 26° 1 | 17°59 | 3°45 | 15°16 | 12°25 | 19°10 | 19°26 | 4°14 | 22°52 | M30 |
| T 31 | 13 5 52 | 18♈20'29 | 23♐ 7 | 22♈39 | 17♉36 | 10♓46 | 25♎53 | 18♓ 6 | 3♍43 | 15♈19 | 12♉26 | 19♑ 6 | 19♑23 | 4♌20 | 22♒55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s27 | 21s 0 | 4s40 | 14s31 | 2s 6 | 3n38 | 0s46 | 16s45 | 1s 8 | 9s46 | 1n29 | 7s52 | 1s53 | 10n32 | 0n49 | 4n 5 | 1s40 | 1n28 | 14s40 | 21s43 | 21s53 | 19n 7 | 8s50 | 5n56 |
| M 2 | 4 4 | 23 57 | 4 5 | 14 1 | 2 9 | 4 9 | 0 44 | 16 31 | 1 9 | 9 44 | 1 30 | 7 49 | 1 53 | 10 33 | 0 49 | 4 6 | 1 40 | 1 28 | 14 40 | 21 44 | 21 53 | 19 5 | 8 49 | 5 56 |
| T 3 | 3 40 | 25 35 | 3 15 | 13 30 | 2 12 | 4 40 | 0 41 | 16 16 | 1 9 | 9 42 | 1 30 | 7 46 | 1 53 | 10 34 | 0 49 | 4 7 | 1 40 | 1 29 | 14 40 | 21 45 | 21 54 | 19 3 | 8 48 | 5 57 |
| W 4 | 3 17 | 25 41 | 2 13 | 12 58 | 2 14 | 5 11 | 0 39 | 16 2 | 1 9 | 9 41 | 1 30 | 7 43 | 1 53 | 10 35 | 0 49 | 4 7 | 1 40 | 1 29 | 14 40 | 21 45 | 21 54 | 19 0 | 8 46 | 5 57 |
| T 5 | 2 53 | 24 8 | 1 1 | 12 25 | 2 15 | 5 42 | 0 37 | 15 47 | 1 10 | 9 39 | 1 30 | 7 40 | 1 53 | 10 36 | 0 49 | 4 8 | 1 40 | 1 30 | 14 39 | 21 44 | 21 55 | 18 58 | 8 45 | 5 57 |
| F 6 | 2 30 | 21 2 | 0n15 | 11 50 | 2 16 | 6 13 | 0 34 | 15 33 | 1 10 | 9 37 | 1 30 | 7 37 | 1 53 | 10 37 | 0 49 | 4 9 | 1 40 | 1 30 | 14 39 | 21 44 | 21 55 | 18 56 | 8 44 | 5 57 |
| S 7 | 2 6 | 16 34 | 1 31 | 11 15 | 2 17 | 6 43 | 0 32 | 15 18 | 1 10 | 9 35 | 1 30 | 7 35 | 1 54 | 10 38 | 0 49 | 4 10 | 1 40 | 1 31 | 14 39 | 21 45 | 21 56 | 18 54 | 8 42 | 5 57 |
| S 8 | 1 42 | 11 5 | 2 42 | 10 37 | 2 17 | 7 13 | 0 29 | 15 3 | 1 11 | 9 33 | 1 30 | 7 32 | 1 54 | 10 39 | 0 49 | 4 11 | 1 40 | 1 31 | 14 39 | 21 45 | 21 56 | 18 51 | 8 41 | 5 57 |
| M 9 | 1 19 | 4 58 | 3 42 | 9 59 | 2 17 | 7 44 | 0 27 | 14 48 | 1 11 | 9 31 | 1 31 | 7 29 | 1 54 | 10 40 | 0 48 | 4 12 | 1 40 | 1 32 | 14 38 | 21 46 | 21 57 | 18 49 | 8 40 | 5 57 |
| T 10 | 0 55 | 1n23 | 4 27 | 9 19 | 2 16 | 8 14 | 0 24 | 14 32 | 1 11 | 9 29 | 1 31 | 7 26 | 1 54 | 10 40 | 0 48 | 4 13 | 1 40 | 1 32 | 14 38 | 21 48 | 21 57 | 18 47 | 8 39 | 5 58 |
| W11 | 0 31 | 7 33 | 4 54 | 8 38 | 2 15 | 8 44 | 0 22 | 14 17 | 1 11 | 9 27 | 1 31 | 7 23 | 1 54 | 10 41 | 0 48 | 4 13 | 1 40 | 1 33 | 14 38 | 21 49 | 21 58 | 18 44 | 8 37 | 5 58 |
| T 12 | 0 8 | 13 12 | 5 3 | 7 55 | 2 14 | 9 13 | 0 19 | 14 1 | 1 12 | 9 24 | 1 31 | 7 21 | 1 54 | 10 42 | 0 48 | 4 14 | 1 40 | 1 33 | 14 38 | 21 51 | 21 58 | 18 42 | 8 36 | 5 58 |
| F 13 | 0n16 | 18 2 | 4 53 | 7 12 | 2 11 | 9 43 | 0 16 | 13 45 | 1 12 | 9 22 | 1 31 | 7 18 | 1 54 | 10 43 | 0 48 | 4 15 | 1 40 | 1 34 | 14 37 | 21 52 | 21 59 | 18 40 | 8 35 | 5 58 |
| S 14 | 0 40 | 21 48 | 4 28 | 6 27 | 2 9 | 10 12 | 0 14 | 13 30 | 1 12 | 9 20 | 1 31 | 7 15 | 1 54 | 10 44 | 0 48 | 4 16 | 1 40 | 1 34 | 14 37 | 21 54 | 21 59 | 18 37 | 8 33 | 5 58 |
| S 15 | 1 3 | 24 20 | 3 49 | 5 41 | 2 6 | 10 41 | 0 11 | 13 14 | 1 13 | 9 17 | 1 31 | 7 12 | 1 54 | 10 44 | 0 48 | 4 17 | 1 40 | 1 35 | 14 37 | 21 55 | 21 59 | 18 35 | 8 32 | 5 58 |
| M16 | 1 27 | 25 35 | 3 0 | 4 53 | 2 2 | 11 9 | 0 8 | 12 57 | 1 13 | 9 15 | 1 31 | 7 10 | 1 54 | 10 45 | 0 48 | 4 18 | 1 40 | 1 36 | 14 37 | 21 55 | 22 0 | 18 32 | 8 31 | 5 59 |
| T 17 | 1 50 | 25 33 | 2 4 | 4 5 | 1 58 | 11 38 | 0 5 | 12 41 | 1 13 | 9 13 | 1 32 | 7 7 | 1 54 | 10 46 | 0 48 | 4 19 | 1 40 | 1 36 | 14 37 | 21 56 | 22 0 | 18 30 | 8 30 | 5 59 |
| W18 | 2 14 | 24 18 | 1 4 | 3 15 | 1 53 | 12 6 | 0 3 | 12 25 | 1 13 | 9 10 | 1 32 | 7 4 | 1 54 | 10 47 | 0 48 | 4 20 | 1 40 | 1 37 | 14 36 | 21 56 | 22 1 | 18 28 | 8 28 | 5 59 |
| T 19 | 2 37 | 21 59 | 0 1 | 2 25 | 1 48 | 12 34 | 0n 0 | 12 8 | 1 13 | 9 8 | 1 32 | 7 1 | 1 55 | 10 47 | 0 48 | 4 20 | 1 40 | 1 37 | 14 36 | 21 56 | 22 1 | 18 25 | 8 27 | 5 59 |
| F 20 | 3 1 | 18 44 | 1s 1 | 1 33 | 1 42 | 13 2 | 0 3 | 11 52 | 1 14 | 9 5 | 1 32 | 6 59 | 1 55 | 10 48 | 0 48 | 4 21 | 1 40 | 1 38 | 14 36 | 21 56 | 22 2 | 18 23 | 8 26 | 5 59 |
| S 21 | 3 24 | 14 45 | 2 1 | 0 40 | 1 36 | 13 29 | 0 6 | 11 35 | 1 14 | 9 3 | 1 32 | 6 56 | 1 55 | 10 49 | 0 48 | 4 22 | 1 40 | 1 38 | 14 36 | 21 56 | 22 2 | 18 21 | 8 25 | 6 0 |
| S 22 | 3 47 | 10 9 | 2 56 | 0n14 | 1 29 | 13 56 | 0 9 | 11 18 | 1 14 | 9 0 | 1 32 | 6 53 | 1 55 | 10 50 | 0 48 | 4 23 | 1 40 | 1 39 | 14 36 | 21 57 | 22 3 | 18 18 | 8 24 | 6 0 |
| M23 | 4 11 | 5 7 | 3 43 | 1 8 | 1 22 | 14 22 | 0 12 | 11 1 | 1 14 | 8 58 | 1 32 | 6 51 | 1 55 | 10 50 | 0 48 | 4 24 | 1 40 | 1 39 | 14 35 | 21 58 | 22 3 | 18 16 | 8 22 | 6 0 |
| T 24 | 4 34 | 0s12 | 4 21 | 2 3 | 1 14 | 14 49 | 0 15 | 10 44 | 1 15 | 8 55 | 1 32 | 6 48 | 1 55 | 10 51 | 0 48 | 4 25 | 1 40 | 1 40 | 14 35 | 21 59 | 22 4 | 18 14 | 8 21 | 6 0 |
| W25 | 4 57 | 5 35 | 4 47 | 2 59 | 1 6 | 15 15 | 0 17 | 10 27 | 1 15 | 8 52 | 1 32 | 6 45 | 1 55 | 10 52 | 0 48 | 4 26 | 1 40 | 1 40 | 14 35 | 22 1 | 22 4 | 18 11 | 8 20 | 6 1 |
| T 26 | 5 20 | 10 51 | 5 0 | 3 56 | 0 57 | 15 40 | 0 20 | 10 10 | 1 15 | 8 50 | 1 32 | 6 43 | 1 55 | 10 52 | 0 48 | 4 27 | 1 40 | 1 41 | 14 35 | 22 3 | 22 5 | 18 9 | 8 19 | 6 1 |
| F 27 | 5 42 | 15 44 | 4 56 | 4 53 | 0 48 | 16 5 | 0 23 | 9 53 | 1 15 | 8 47 | 1 32 | 6 40 | 1 55 | 10 53 | 0 48 | 4 27 | 1 40 | 1 41 | 14 35 | 22 5 | 22 5 | 18 6 | 8 18 | 6 1 |
| S 28 | 6 5 | 19 57 | 4 37 | 5 51 | 0 39 | 16 30 | 0 26 | 9 36 | 1 15 | 8 44 | 1 32 | 6 38 | 1 56 | 10 54 | 0 48 | 4 28 | 1 40 | 1 42 | 14 35 | 22 7 | 22 6 | 18 4 | 8 16 | 6 1 |
| S 29 | 6 28 | 23 10 | 4 3 | 6 48 | 0 29 | 16 54 | 0 29 | 9 18 | 1 15 | 8 42 | 1 32 | 6 35 | 1 56 | 10 54 | 0 48 | 4 29 | 1 40 | 1 42 | 14 34 | 22 8 | 22 6 | 18 2 | 8 15 | 6 2 |
| M30 | 6 50 | 25 7 | 3 13 | 7 46 | 0 18 | 17 18 | 0 32 | 9 1 | 1 15 | 8 39 | 1 32 | 6 32 | 1 56 | 10 55 | 0 48 | 4 30 | 1 40 | 1 43 | 14 34 | 22 9 | 22 6 | 17 59 | 8 14 | 6 2 |
| T 31 | 7n13 | 25s33 | 2s13 | 8n43 | 0s 8 | 17n42 | 0n35 | 8s43 | 1s16 | 8s36 | 1n32 | 6s30 | 1s56 | 10n55 | 0n48 | 4n31 | 1s40 | 1n43 | 14s34 | 22s 9 | 22s 7 | 17n57 | 8s13 | 6n 2 |

Julian Day Number = 2224066.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'08, Lahiri = 15°10'09 Julian Calendar 1 March 1377 == Greg. Calendar 9 March 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## APRIL 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 9 49 | 19♈19'05 | 7♉ 1 | 24♈46 | 18♉48 | 11♓32 | 25°R46 | 18♓13 | 3°R42 | 15♈21 | 12♉27 | 19°R 5 | 19♉20 | 4♌27 | 22♒58 | W 1 |
| T 2 | 13 13 46 | 20°17'38 | 21° 3 | 26°53 | 20° 1 | 12°19 | 25♎38 | 18°20 | 3♍40 | 15°23 | 12°29 | 19♉ 5 | 19°17 | 4°34 | 23° 0 | T 2 |
| F 3 | 13 17 42 | 21°16'10 | 5♒11 | 28°59 | 21°13 | 13° 5 | 25°31 | 18°26 | 3°39 | 15°25 | 12°30 | 19° 4 | 19°13 | 4°40 | 23° 3 | F 3 |
| S 4 | 13 21 39 | 22°14'41 | 19°24 | 1♉ 4 | 22°25 | 13°52 | 25°23 | 18°33 | 3°37 | 15°28 | 12°31 | 19° 3 | 19°10 | 4°47 | 23° 6 | S 4 |
| S 5 | 13 25 35 | 23°13'09 | 3♓41 | 3° 8 | 23°38 | 14°38 | 25°15 | 18°40 | 3°36 | 15°30 | 12°33 | 18°59 | 19° 7 | 4°54 | 23° 8 | S 5 |
| M 6 | 13 29 32 | 24°11'36 | 17°59 | 5°11 | 24°50 | 15°25 | 25° 8 | 18°46 | 3°34 | 15°32 | 12°34 | 18°52 | 19° 4 | 5° 0 | 23°11 | M 6 |
| T 7 | 13 33 28 | 25°10'01 | 2♈13 | 7°11 | 26° 2 | 16°11 | 25° 0 | 18°53 | 3°33 | 15°34 | 12°35 | 18°42 | 19° 1 | 5° 7 | 23°13 | T 7 |
| W 8 | 13 37 25 | 26° 8'25 | 16°18 | 9°10 | 27°14 | 16°57 | 24°52 | 18°59 | 3°32 | 15°37 | 12°36 | 18°31 | 18°58 | 5°14 | 23°15 | W 8 |
| T 9 | 13 41 21 | 27° 6'47 | 0♉ 9 | 11° 6 | 28°26 | 17°44 | 24°45 | 19° 6 | 3°30 | 15°39 | 12°38 | 18°19 | 18°54 | 5°20 | 23°18 | T 9 |
| F 10 | 13 45 18 | 28° 5'07 | 13°42 | 12°59 | 29°38 | 18°30 | 24°37 | 19°12 | 3°29 | 15°41 | 12°39 | 18° 7 | 18°51 | 5°27 | 23°20 | F 10 |
| S 11 | 13 49 15 | 29° 3'25 | 26°54 | 14°49 | 0♊50 | 19°16 | 24°29 | 19°18 | 3°28 | 15°43 | 12°40 | 17°57 | 18°48 | 5°34 | 23°22 | S 11 |
| S 12 | 13 53 11 | 0♉ 1'41 | 9♊45 | 16°37 | 2° 2 | 20° 2 | 24°22 | 19°25 | 3°27 | 15°46 | 12°42 | 17°49 | 18°45 | 5°40 | 23°25 | S 12 |
| M13 | 13 57 8 | 0°59'55 | 22°15 | 18°20 | 3°14 | 20°49 | 24°14 | 19°31 | 3°26 | 15°48 | 12°43 | 17°44 | 18°42 | 5°47 | 23°27 | M13 |
| T 14 | 14 1 4 | 1°58'07 | 4♋28 | 20° 1 | 4°26 | 21°35 | 24° 7 | 19°37 | 3°25 | 15°50 | 12°44 | 17°42 | 18°38 | 5°53 | 23°29 | T 14 |
| W15 | 14 5 1 | 2°56'18 | 16°28 | 21°37 | 5°38 | 22°21 | 23°59 | 19°43 | 3°24 | 15°52 | 12°46 | 17°D41 | 18°35 | 6° 0 | 23°31 | W15 |
| T 16 | 14 8 57 | 3°54'26 | 28°20 | 23°10 | 6°49 | 23° 7 | 23°52 | 19°49 | 3°23 | 15°54 | 12°47 | 17°R41 | 18°32 | 6° 7 | 23°33 | T 16 |
| F 17 | 14 12 54 | 4°52'32 | 10♌ 8 | 24°39 | 8° 1 | 23°53 | 23°44 | 19°55 | 3°22 | 15°57 | 12°48 | 17°41 | 18°29 | 6°13 | 23°35 | F 17 |
| S 18 | 14 16 50 | 5°50'36 | 21°59 | 26° 4 | 9°12 | 24°39 | 23°37 | 20° 1 | 3°22 | 15°59 | 12°50 | 17°40 | 18°26 | 6°20 | 23°37 | S 18 |
| S 19 | 14 20 47 | 6°48'38 | 3♍58 | 27°24 | 10°24 | 25°25 | 23°29 | 20° 7 | 3°21 | 16° 1 | 12°51 | 17°37 | 18°23 | 6°27 | 23°38 | S 19 |
| M20 | 14 24 44 | 7°46'39 | 16° 9 | 28°41 | 11°35 | 26°11 | 23°22 | 20°13 | 3°20 | 16° 3 | 12°52 | 17°31 | 18°19 | 6°33 | 23°40 | M20 |
| T 21 | 14 28 40 | 8°44'37 | 28°36 | 29°53 | 12°46 | 26°57 | 23°15 | 20°19 | 3°19 | 16° 5 | 12°54 | 17°23 | 18°16 | 6°40 | 23°42 | T 21 |
| W22 | 14 32 37 | 9°42'34 | 11♎22 | 1♊ 1 | 13°57 | 27°43 | 23° 8 | 20°24 | 3°19 | 16° 7 | 12°55 | 17°13 | 18°13 | 6°47 | 23°44 | W22 |
| T 23 | 14 36 33 | 10°40'29 | 24°27 | 2° 5 | 15° 9 | 28°29 | 23° 1 | 20°30 | 3°18 | 16° 9 | 12°56 | 17° 2 | 18°10 | 6°53 | 23°45 | T 23 |
| F 24 | 14 40 30 | 11°38'22 | 7♏51 | 3° 4 | 16°20 | 29°14 | 22°54 | 20°36 | 3°18 | 16°11 | 12°58 | 16°51 | 18° 7 | 7° 0 | 23°47 | F 24 |
| S 25 | 14 44 26 | 12°36'14 | 21°32 | 3°59 | 17°31 | 0♈ 0 | 22°47 | 20°41 | 3°17 | 16°14 | 12°59 | 16°42 | 18° 4 | 7° 7 | 23°48 | S 25 |
| S 26 | 14 48 23 | 13°34'04 | 5♐26 | 4°49 | 18°41 | 0°46 | 22°40 | 20°47 | 3°17 | 16°16 | 13° 1 | 16°34 | 18° 0 | 7°13 | 23°50 | S 26 |
| M27 | 14 52 19 | 14°31'53 | 19°29 | 5°35 | 19°52 | 1°32 | 22°33 | 20°52 | 3°17 | 16°18 | 13° 2 | 16°29 | 17°57 | 7°20 | 23°51 | M27 |
| T 28 | 14 56 16 | 15°29'41 | 3♑38 | 6°16 | 21° 3 | 2°17 | 22°27 | 20°58 | 3°16 | 16°20 | 13° 3 | 16°26 | 17°54 | 7°27 | 23°52 | T 28 |
| W29 | 15 0 13 | 16°27'28 | 17°50 | 6°52 | 22°14 | 3° 3 | 22°20 | 21° 3 | 3°16 | 16°22 | 13° 5 | 16°D25 | 17°51 | 7°33 | 23°54 | W29 |
| T 30 | 15 4 9 | 17♉25'13 | 2♒ 1 | 7♊24 | 23♊24 | 3♈49 | 22♎14 | 21♓ 8 | 3♍16 | 16♈24 | 13♉ 6 | 16♉26 | 17♉48 | 7♌40 | 23♒55 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n35 | 24s23 | 1s 3 | 9n40 | 0n 3 | 18n 5 | 0n38 | 8s26 | 1s16 | 8s34 | 1n32 | 6s27 | 1s56 | 10n56 | 0n48 | 4n32 | 1s40 | 1n44 | 14s34 | 22s 9 | 22s 7 | 17n54 | 8s12 | 6n 2 |
| T 2 | 7 57 | 21 42 | 0n10 | 10 36 | 0 14 | 18 27 | 0 41 | 8 8 | 1 16 | 8 31 | 1 32 | 6 25 | 1 56 | 10 56 | 0 48 | 4 33 | 1 40 | 1 44 | 14 34 | 22 9 | 22 8 | 17 52 | 8 11 | 6 3 |
| F 3 | 8 19 | 17 41 | 1 24 | 11 32 | 0 25 | 18 50 | 0 44 | 7 50 | 1 16 | 8 28 | 1 32 | 6 22 | 1 56 | 10 57 | 0 48 | 4 33 | 1 40 | 1 45 | 14 34 | 22 10 | 22 8 | 17 50 | 8 10 | 6 3 |
| S 4 | 8 41 | 12 38 | 2 33 | 12 26 | 0 36 | 19 11 | 0 47 | 7 32 | 1 16 | 8 25 | 1 32 | 6 20 | 1 57 | 10 57 | 0 48 | 4 34 | 1 40 | 1 45 | 14 34 | 22 10 | 22 9 | 17 47 | 8 9 | 6 3 |
| S 5 | 9 3 | 6 53 | 3 32 | 13 20 | 0 46 | 19 32 | 0 49 | 7 14 | 1 16 | 8 22 | 1 32 | 6 17 | 1 57 | 10 58 | 0 48 | 4 35 | 1 40 | 1 46 | 14 33 | 22 10 | 22 9 | 17 45 | 8 8 | 6 3 |
| M 6 | 9 25 | 0 48 | 4 19 | 14 11 | 0 57 | 19 53 | 0 52 | 6 56 | 1 16 | 8 20 | 1 32 | 6 15 | 1 57 | 10 58 | 0 48 | 4 36 | 1 40 | 1 46 | 14 33 | 22 11 | 22 10 | 17 42 | 8 6 | 6 4 |
| T 7 | 9 46 | 5n18 | 4 48 | 15 2 | 1 8 | 20 13 | 0 55 | 6 38 | 1 16 | 8 17 | 1 32 | 6 12 | 1 57 | 10 59 | 0 48 | 4 37 | 1 40 | 1 47 | 14 33 | 22 13 | 22 10 | 17 40 | 8 5 | 6 4 |
| W 8 | 10 8 | 11 3 | 5 0 | 15 50 | 1 18 | 20 33 | 0 58 | 6 20 | 1 16 | 8 14 | 1 32 | 6 10 | 1 57 | 10 59 | 0 48 | 4 38 | 1 40 | 1 47 | 14 33 | 22 14 | 22 10 | 17 37 | 8 4 | 6 4 |
| T 9 | 10 29 | 16 9 | 4 54 | 16 36 | 1 28 | 20 52 | 1 1 | 6 2 | 1 16 | 8 11 | 1 32 | 6 8 | 1 57 | 11 0 | 0 48 | 4 39 | 1 40 | 1 48 | 14 33 | 22 16 | 22 11 | 17 35 | 8 3 | 6 4 |
| F 10 | 10 50 | 20 19 | 4 32 | 17 20 | 1 37 | 21 11 | 1 3 | 5 44 | 1 16 | 8 9 | 1 32 | 6 5 | 1 57 | 11 0 | 0 48 | 4 39 | 1 40 | 1 48 | 14 33 | 22 17 | 22 11 | 17 33 | 8 2 | 6 5 |
| S 11 | 11 11 | 23 20 | 3 55 | 18 2 | 1 46 | 21 29 | 1 6 | 5 26 | 1 16 | 8 6 | 1 32 | 6 3 | 1 58 | 11 0 | 0 48 | 4 40 | 1 40 | 1 48 | 14 33 | 22 19 | 22 12 | 17 30 | 8 1 | 6 5 |
| S 12 | 11 31 | 25 4 | 3 7 | 18 41 | 1 54 | 21 46 | 1 9 | 5 8 | 1 17 | 8 3 | 1 32 | 6 1 | 1 58 | 11 1 | 0 48 | 4 41 | 1 40 | 1 49 | 14 33 | 22 20 | 22 12 | 17 28 | 8 0 | 6 5 |
| M13 | 11 52 | 25 28 | 2 11 | 19 18 | 2 2 | 22 3 | 1 12 | 4 50 | 1 17 | 8 0 | 1 32 | 5 58 | 1 58 | 11 1 | 0 48 | 4 42 | 1 40 | 1 49 | 14 33 | 22 20 | 22 13 | 17 25 | 7 59 | 6 6 |
| T 14 | 12 12 | 24 36 | 1 10 | 19 52 | 2 9 | 22 19 | 1 14 | 4 31 | 1 17 | 7 58 | 1 32 | 5 56 | 1 58 | 11 1 | 0 47 | 4 43 | 1 40 | 1 50 | 14 32 | 22 21 | 22 13 | 17 23 | 7 58 | 6 6 |
| W15 | 12 32 | 22 37 | 0 6 | 20 24 | 2 15 | 22 35 | 1 17 | 4 13 | 1 17 | 7 55 | 1 32 | 5 54 | 1 58 | 11 2 | 0 47 | 4 44 | 1 40 | 1 50 | 14 32 | 22 21 | 22 14 | 17 20 | 7 57 | 6 6 |
| T 16 | 12 52 | 19 39 | 0s56 | 20 54 | 2 21 | 22 50 | 1 20 | 3 55 | 1 17 | 7 52 | 1 31 | 5 52 | 1 58 | 11 2 | 0 47 | 4 44 | 1 40 | 1 51 | 14 32 | 22 21 | 22 14 | 17 18 | 7 57 | 6 7 |
| F 17 | 13 11 | 15 54 | 1 56 | 21 20 | 2 25 | 23 4 | 1 22 | 3 36 | 1 17 | 7 50 | 1 31 | 5 49 | 1 59 | 11 2 | 0 47 | 4 45 | 1 40 | 1 51 | 14 32 | 22 21 | 22 14 | 17 15 | 7 56 | 6 7 |
| S 18 | 13 31 | 11 31 | 2 52 | 21 45 | 2 29 | 23 18 | 1 25 | 3 18 | 1 17 | 7 47 | 1 31 | 5 47 | 1 59 | 11 3 | 0 47 | 4 46 | 1 40 | 1 52 | 14 32 | 22 21 | 22 15 | 17 13 | 7 55 | 6 7 |
| S 19 | 13 50 | 6 40 | 3 40 | 22 7 | 2 32 | 23 31 | 1 27 | 3 0 | 1 17 | 7 45 | 1 31 | 5 45 | 1 59 | 11 3 | 0 47 | 4 47 | 1 40 | 1 52 | 14 32 | 22 21 | 22 15 | 17 11 | 7 54 | 6 8 |
| M20 | 14 9 | 1 30 | 4 19 | 22 26 | 2 34 | 23 44 | 1 30 | 2 41 | 1 16 | 7 42 | 1 31 | 5 43 | 1 59 | 11 3 | 0 47 | 4 48 | 1 40 | 1 53 | 14 32 | 22 22 | 22 16 | 17 8 | 7 53 | 6 8 |
| T 21 | 14 28 | 3s50 | 4 47 | 22 43 | 2 35 | 23 56 | 1 32 | 2 23 | 1 16 | 7 39 | 1 31 | 5 41 | 1 59 | 11 3 | 0 47 | 4 48 | 1 40 | 1 53 | 14 32 | 22 23 | 22 16 | 17 6 | 7 52 | 6 8 |
| W22 | 14 46 | 9 8 | 5 1 | 22 58 | 2 35 | 24 7 | 1 34 | 2 5 | 1 16 | 7 37 | 1 31 | 5 39 | 2 0 | 11 3 | 0 47 | 4 49 | 1 40 | 1 53 | 14 32 | 22 24 | 22 17 | 17 3 | 7 51 | 6 8 |
| T 23 | 15 5 | 14 9 | 5 0 | 23 10 | 2 34 | 24 17 | 1 37 | 1 46 | 1 16 | 7 34 | 1 31 | 5 37 | 2 0 | 11 4 | 0 47 | 4 50 | 1 40 | 1 54 | 14 32 | 22 26 | 22 17 | 17 1 | 7 50 | 6 9 |
| F 24 | 15 23 | 18 38 | 4 43 | 23 20 | 2 33 | 24 27 | 1 39 | 1 28 | 1 16 | 7 32 | 1 30 | 5 35 | 2 0 | 11 4 | 0 47 | 4 51 | 1 40 | 1 54 | 14 32 | 22 27 | 22 17 | 16 58 | 7 50 | 6 9 |
| S 25 | 15 40 | 22 13 | 4 9 | 23 28 | 2 30 | 24 36 | 1 41 | 1 10 | 1 16 | 7 30 | 1 30 | 5 32 | 2 0 | 11 4 | 0 47 | 4 52 | 1 40 | 1 55 | 14 32 | 22 28 | 22 18 | 16 56 | 7 49 | 6 9 |
| S 26 | 15 58 | 24 34 | 3 20 | 23 34 | 2 26 | 24 45 | 1 43 | 0 51 | 1 16 | 7 27 | 1 30 | 5 31 | 2 0 | 11 4 | 0 47 | 4 52 | 1 40 | 1 55 | 14 32 | 22 29 | 22 18 | 16 53 | 7 48 | 6 10 |
| M27 | 16 15 | 25 24 | 2 19 | 23 37 | 2 21 | 24 53 | 1 45 | 0 33 | 1 16 | 7 25 | 1 30 | 5 29 | 2 0 | 11 4 | 0 47 | 4 53 | 1 40 | 1 55 | 14 32 | 22 30 | 22 19 | 16 51 | 7 47 | 6 10 |
| T 28 | 16 32 | 24 36 | 1 8 | 23 39 | 2 15 | 25 0 | 1 47 | 0 15 | 1 16 | 7 23 | 1 30 | 5 27 | 2 1 | 11 4 | 0 47 | 4 54 | 1 40 | 1 56 | 14 32 | 22 30 | 22 19 | 16 48 | 7 47 | 6 10 |
| W29 | 16 49 | 22 12 | 0n 8 | 23 38 | 2 9 | 25 7 | 1 49 | 0n 4 | 1 16 | 7 20 | 1 30 | 5 25 | 2 1 | 11 4 | 0 47 | 4 55 | 1 40 | 1 56 | 14 32 | 22 30 | 22 20 | 16 46 | 7 46 | 6 11 |
| T 30 | 17n 5 | 18s26 | 1n23 | 23n36 | 2n 1 | 25n12 | 1n51 | 0n22 | 1s16 | 7s18 | 1n29 | 5s23 | 2s 1 | 11n 4 | 0n47 | 4n55 | 1s40 | 1n57 | 14s32 | 22s30 | 22s20 | 16n43 | 7s45 | 6n11 |

Julian Day Number = 2224097.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'13, Lahiri = 15°10'13 Julian Calendar 1 Apr. 1377 == Greg. Calendar 9 Apr. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## MAY 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 8 6 | 18♉22'57 | 16♒11 | 7♊50 | 24♊35 | 4♈34 | 22°R 8 | 21♓13 | 3°R16 | 16♈26 | 13♉ 7 | 16°R26 | 17♑44 | 7♌47 | 23♒56 | F 1 |
| S 2 | 15 12 2 | 19°20'40 | 0♓18 | 8°12 | 25°45 | 5°20 | 22♎ 1 | 21°18 | 3♍16 | 16°28 | 13° 9 | 16♑26 | 17°41 | 7°53 | 23°57 | S 2 |
| S 3 | 15 15 59 | 20°18'22 | 14°20 | 8°29 | 26°56 | 6° 5 | 21°55 | 21°23 | 3°D16 | 16°30 | 13°10 | 16°24 | 17°38 | 8° 0 | 23°58 | S 3 |
| M 4 | 15 19 55 | 21°16'03 | 28°17 | 8°41 | 28° 6 | 6°51 | 21°50 | 21°28 | 3°16 | 16°32 | 13°11 | 16°19 | 17°35 | 8° 7 | 23°59 | M 4 |
| T 5 | 15 23 52 | 22°13'43 | 12♈ 5 | 8°48 | 29°16 | 7°36 | 21°44 | 21°33 | 3°16 | 16°34 | 13°13 | 16°12 | 17°32 | 8°13 | 24° 0 | T 5 |
| W 6 | 15 27 48 | 23°11'22 | 25°44 | 8°R51 | 0♋26 | 8°21 | 21°38 | 21°38 | 3°16 | 16°35 | 13°14 | 16° 4 | 17°29 | 8°20 | 24° 1 | W 6 |
| T 7 | 15 31 45 | 24° 8'59 | 9♉10 | 8°49 | 1°36 | 9° 7 | 21°33 | 21°43 | 3°16 | 16°37 | 13°15 | 15°55 | 17°25 | 8°27 | 24° 2 | T 7 |
| F 8 | 15 35 42 | 25° 6'36 | 22°21 | 8°42 | 2°46 | 9°52 | 21°27 | 21°47 | 3°17 | 16°39 | 13°17 | 15°47 | 17°22 | 8°33 | 24° 3 | F 8 |
| S 9 | 15 39 38 | 26° 4'11 | 5♊16 | 8°31 | 3°56 | 10°37 | 21°22 | 21°52 | 3°17 | 16°41 | 13°18 | 15°39 | 17°19 | 8°40 | 24° 3 | S 9 |
| S 10 | 15 43 35 | 27° 1'46 | 17°54 | 8°16 | 5° 5 | 11°22 | 21°17 | 21°56 | 3°17 | 16°43 | 13°19 | 15°34 | 17°16 | 8°46 | 24° 4 | S 10 |
| M11 | 15 47 31 | 27°59'19 | 0♋17 | 7°58 | 6°15 | 12° 7 | 21°12 | 22° 1 | 3°18 | 16°45 | 13°21 | 15°31 | 17°13 | 8°53 | 24° 4 | M11 |
| T 12 | 15 51 28 | 28°56'50 | 12°25 | 7°35 | 7°25 | 12°52 | 21° 7 | 22° 5 | 3°18 | 16°47 | 13°22 | 15°D29 | 17°10 | 9° 0 | 24° 5 | T 12 |
| W13 | 15 55 24 | 29°54'21 | 24°23 | 7°10 | 8°34 | 13°37 | 21° 2 | 22°10 | 3°19 | 16°48 | 13°23 | 15°30 | 17° 6 | 9° 6 | 24° 5 | W13 |
| T 14 | 15 59 21 | 0♊51'50 | 6♌14 | 6°42 | 9°43 | 14°22 | 20°58 | 22°14 | 3°19 | 16°50 | 13°25 | 15°31 | 17° 3 | 9°13 | 24° 6 | T 14 |
| F 15 | 16 3 17 | 1°49'18 | 18° 3 | 6°12 | 10°53 | 15° 7 | 20°53 | 22°18 | 3°20 | 16°52 | 13°26 | 15°32 | 17° 0 | 9°20 | 24° 6 | F 15 |
| S 16 | 16 7 14 | 2°46'44 | 29°54 | 5°40 | 12° 2 | 15°52 | 20°49 | 22°22 | 3°21 | 16°54 | 13°27 | 15°R33 | 16°57 | 9°26 | 24° 6 | S 16 |
| S 17 | 16 11 11 | 3°44'10 | 11♍54 | 5° 7 | 13°11 | 16°37 | 20°45 | 22°26 | 3°21 | 16°55 | 13°28 | 15°33 | 16°54 | 9°33 | 24° 7 | S 17 |
| M18 | 16 15 7 | 4°41'34 | 24° 6 | 4°33 | 14°20 | 17°21 | 20°41 | 22°30 | 3°22 | 16°57 | 13°30 | 15°31 | 16°50 | 9°40 | 24° 7 | M18 |
| T 19 | 16 19 4 | 5°38'57 | 6♎35 | 4° 0 | 15°28 | 18° 6 | 20°38 | 22°33 | 3°23 | 16°59 | 13°31 | 15°28 | 16°47 | 9°46 | 24° 7 | T 19 |
| W20 | 16 23 0 | 6°36'18 | 19°26 | 3°27 | 16°37 | 18°51 | 20°34 | 22°37 | 3°24 | 17° 0 | 13°32 | 15°23 | 16°44 | 9°53 | 24°R 7 | W20 |
| T 21 | 16 26 57 | 7°33'39 | 2♏39 | 2°55 | 17°45 | 19°35 | 20°31 | 22°41 | 3°25 | 17° 2 | 13°34 | 15°17 | 16°41 | 10° 0 | 24° 7 | T 21 |
| F 22 | 16 30 53 | 8°30'59 | 16°15 | 2°25 | 18°54 | 20°20 | 20°27 | 22°44 | 3°26 | 17° 3 | 13°35 | 15°11 | 16°38 | 10° 6 | 24° 7 | F 22 |
| S 23 | 16 34 50 | 9°28'18 | 0♐12 | 1°57 | 20° 2 | 21° 4 | 20°24 | 22°48 | 3°27 | 17° 5 | 13°36 | 15° 6 | 16°35 | 10°13 | 24° 6 | S 23 |
| S 24 | 16 38 46 | 10°25'36 | 14°28 | 1°32 | 21°10 | 21°48 | 20°22 | 22°51 | 3°28 | 17° 6 | 13°37 | 15° 2 | 16°31 | 10°20 | 24° 6 | S 24 |
| M25 | 16 42 43 | 11°22'53 | 28°56 | 1°10 | 22°18 | 22°33 | 20°19 | 22°54 | 3°29 | 17° 8 | 13°39 | 14°59 | 16°28 | 10°26 | 24° 6 | M25 |
| T 26 | 16 46 40 | 12°20'10 | 13♑30 | 0°52 | 23°26 | 23°17 | 20°16 | 22°58 | 3°30 | 17° 9 | 13°40 | 14°D58 | 16°25 | 10°33 | 24° 6 | T 26 |
| W27 | 16 50 36 | 13°17'26 | 28° 6 | 0°37 | 24°34 | 24° 1 | 20°14 | 23° 1 | 3°32 | 17°11 | 13°41 | 14°59 | 16°22 | 10°40 | 24° 5 | W27 |
| T 28 | 16 54 33 | 14°14'42 | 12♒37 | 0°26 | 25°41 | 24°45 | 20°12 | 23° 4 | 3°33 | 17°12 | 13°42 | 15° 0 | 16°19 | 10°46 | 24° 5 | T 28 |
| F 29 | 16 58 29 | 15°11'58 | 27° 0 | 0°20 | 26°49 | 25°29 | 20°10 | 23° 7 | 3°34 | 17°14 | 13°43 | 15° 1 | 16°16 | 10°53 | 24° 4 | F 29 |
| S 30 | 17 2 26 | 16° 9'13 | 11♓11 | 0°D18 | 27°56 | 26°14 | 20° 8 | 23° 9 | 3°36 | 17°15 | 13°45 | 15°R 2 | 16°12 | 11° 0 | 24° 4 | S 30 |
| S 31 | 17 6 22 | 17♊ 6'28 | 25♓10 | 0♊20 | 29♋ 3 | 26♈57 | 20♎ 6 | 23♓12 | 3♍37 | 17♈16 | 13♉46 | 15♑ 2 | 16♑ 9 | 11♌ 6 | 24♒ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n22 | 13s37 | 2n32 | 23n32 | 1n52 | 25n17 | 1n53 | 0n40 | 1s15 | 7s16 | 1n29 | 5s21 | 2s 1 | 11n 4 | 0n47 | 4n56 | 1s40 | 1n57 | 14s32 | 22s30 | 22s20 | 16n41 | 7s44 | 6n11 |
| S 2 | 17 37 | 8 5 | 3 33 | 23 25 | 1 42 | 25 22 | 1 55 | 0 58 | 1 15 | 7 14 | 1 29 | 5 19 | 2 2 | 11 4 | 0 47 | 4 57 | 1 40 | 1 57 | 14 32 | 22 30 | 22 21 | 16 38 | 7 44 | 6 12 |
| S 3 | 17 53 | 2 12 | 4 20 | 23 17 | 1 31 | 25 26 | 1 56 | 1 16 | 1 15 | 7 12 | 1 29 | 5 17 | 2 2 | 11 4 | 0 47 | 4 58 | 1 41 | 1 58 | 14 32 | 22 31 | 22 21 | 16 36 | 7 43 | 6 12 |
| M 4 | 18 8 | 3n46 | 4 51 | 23 8 | 1 19 | 25 28 | 1 58 | 1 35 | 1 15 | 7 10 | 1 29 | 5 16 | 2 2 | 11 4 | 0 47 | 4 58 | 1 41 | 1 58 | 14 32 | 22 31 | 22 22 | 16 33 | 7 42 | 6 12 |
| T 5 | 18 23 | 9 28 | 5 5 | 22 56 | 1 6 | 25 31 | 2 0 | 1 53 | 1 15 | 7 8 | 1 29 | 5 14 | 2 2 | 11 4 | 0 47 | 4 59 | 1 41 | 1 59 | 14 32 | 22 32 | 22 22 | 16 31 | 7 42 | 6 13 |
| W 6 | 18 38 | 14 39 | 5 2 | 22 43 | 0 53 | 25 32 | 2 1 | 2 11 | 1 15 | 7 6 | 1 28 | 5 12 | 2 2 | 11 4 | 0 47 | 5 0 | 1 41 | 1 59 | 14 32 | 22 33 | 22 22 | 16 28 | 7 41 | 6 13 |
| T 7 | 18 52 | 19 2 | 4 41 | 22 29 | 0 38 | 25 33 | 2 3 | 2 29 | 1 15 | 7 4 | 1 28 | 5 10 | 2 3 | 11 4 | 0 47 | 5 0 | 1 41 | 1 59 | 14 32 | 22 34 | 22 23 | 16 26 | 7 41 | 6 13 |
| F 8 | 19 6 | 22 23 | 4 7 | 22 13 | 0 23 | 25 33 | 2 4 | 2 47 | 1 14 | 7 2 | 1 28 | 5 9 | 2 3 | 11 4 | 0 47 | 5 1 | 1 41 | 2 0 | 14 32 | 22 35 | 22 23 | 16 23 | 7 40 | 6 14 |
| S 9 | 19 20 | 24 31 | 3 19 | 21 55 | 0 7 | 25 33 | 2 5 | 3 5 | 1 14 | 7 0 | 1 28 | 5 7 | 2 3 | 11 3 | 0 46 | 5 2 | 1 41 | 2 0 | 14 32 | 22 36 | 22 24 | 16 21 | 7 40 | 6 14 |
| S 10 | 19 34 | 25 21 | 2 23 | 21 37 | 0s 9 | 25 32 | 2 6 | 3 23 | 1 14 | 6 59 | 1 27 | 5 6 | 2 3 | 11 3 | 0 46 | 5 2 | 1 41 | 2 0 | 14 32 | 22 37 | 22 24 | 16 18 | 7 39 | 6 14 |
| M11 | 19 47 | 24 53 | 1 21 | 21 17 | 0 26 | 25 30 | 2 7 | 3 41 | 1 14 | 6 57 | 1 27 | 5 4 | 2 4 | 11 3 | 0 46 | 5 3 | 1 41 | 2 1 | 14 32 | 22 37 | 22 25 | 16 16 | 7 39 | 6 15 |
| T 12 | 20 0 | 23 13 | 0 17 | 20 56 | 0 43 | 25 27 | 2 8 | 3 58 | 1 13 | 6 55 | 1 27 | 5 3 | 2 4 | 11 3 | 0 46 | 5 4 | 1 41 | 2 1 | 14 32 | 22 37 | 22 25 | 16 13 | 7 38 | 6 15 |
| W13 | 20 12 | 20 32 | 0s48 | 20 35 | 1 1 | 25 24 | 2 9 | 4 16 | 1 13 | 6 54 | 1 27 | 5 1 | 2 4 | 11 3 | 0 46 | 5 4 | 1 41 | 2 1 | 14 32 | 22 37 | 22 25 | 16 11 | 7 38 | 6 16 |
| T 14 | 20 24 | 17 0 | 1 50 | 20 13 | 1 18 | 25 20 | 2 10 | 4 34 | 1 13 | 6 52 | 1 27 | 5 0 | 2 4 | 11 2 | 0 46 | 5 5 | 1 41 | 2 2 | 14 32 | 22 37 | 22 26 | 16 8 | 7 37 | 6 16 |
| F 15 | 20 36 | 12 49 | 2 47 | 19 51 | 1 35 | 25 15 | 2 11 | 4 51 | 1 13 | 6 51 | 1 26 | 4 58 | 2 4 | 11 2 | 0 46 | 5 6 | 1 41 | 2 2 | 14 32 | 22 37 | 22 26 | 16 5 | 7 37 | 6 16 |
| S 16 | 20 47 | 8 9 | 3 38 | 19 29 | 1 52 | 25 9 | 2 12 | 5 9 | 1 12 | 6 50 | 1 26 | 4 57 | 2 5 | 11 2 | 0 46 | 5 6 | 1 41 | 2 2 | 14 32 | 22 37 | 22 27 | 16 3 | 7 36 | 6 17 |
| S 17 | 20 58 | 3 8 | 4 19 | 19 7 | 2 9 | 25 3 | 2 12 | 5 26 | 1 12 | 6 48 | 1 26 | 4 55 | 2 5 | 11 2 | 0 46 | 5 7 | 1 41 | 2 2 | 14 32 | 22 37 | 22 27 | 16 0 | 7 36 | 6 17 |
| M18 | 21 9 | 2s 4 | 4 49 | 18 45 | 2 25 | 24 57 | 2 13 | 5 44 | 1 12 | 6 47 | 1 26 | 4 54 | 2 5 | 11 1 | 0 46 | 5 7 | 1 41 | 2 3 | 14 32 | 22 37 | 22 27 | 15 58 | 7 36 | 6 17 |
| T 19 | 21 19 | 7 19 | 5 7 | 18 24 | 2 40 | 24 49 | 2 13 | 6 1 | 1 12 | 6 46 | 1 25 | 4 53 | 2 5 | 11 1 | 0 46 | 5 8 | 1 41 | 2 3 | 14 32 | 22 37 | 22 28 | 15 55 | 7 35 | 6 18 |
| W20 | 21 29 | 12 24 | 5 10 | 18 3 | 2 55 | 24 41 | 2 13 | 6 18 | 1 11 | 6 45 | 1 25 | 4 52 | 2 6 | 11 1 | 0 46 | 5 9 | 1 41 | 2 3 | 14 33 | 22 38 | 22 28 | 15 53 | 7 35 | 6 18 |
| T 21 | 21 39 | 17 4 | 4 57 | 17 44 | 3 8 | 24 32 | 2 13 | 6 36 | 1 11 | 6 44 | 1 25 | 4 50 | 2 6 | 11 0 | 0 46 | 5 9 | 1 41 | 2 4 | 14 33 | 22 39 | 22 29 | 15 50 | 7 35 | 6 18 |
| F 22 | 21 48 | 21 0 | 4 27 | 17 26 | 3 20 | 24 23 | 2 13 | 6 53 | 1 11 | 6 43 | 1 25 | 4 49 | 2 6 | 11 0 | 0 46 | 5 10 | 1 41 | 2 4 | 14 33 | 22 39 | 22 29 | 15 48 | 7 34 | 6 19 |
| S 23 | 21 57 | 23 51 | 3 40 | 17 10 | 3 32 | 24 13 | 2 13 | 7 10 | 1 10 | 6 42 | 1 24 | 4 48 | 2 6 | 10 59 | 0 46 | 5 10 | 1 41 | 2 4 | 14 33 | 22 40 | 22 29 | 15 45 | 7 34 | 6 19 |
| S 24 | 22 5 | 25 15 | 2 39 | 16 55 | 3 42 | 24 3 | 2 13 | 7 27 | 1 10 | 6 41 | 1 24 | 4 47 | 2 7 | 10 59 | 0 46 | 5 11 | 1 41 | 2 4 | 14 33 | 22 40 | 22 30 | 15 42 | 7 34 | 6 19 |
| M25 | 22 13 | 24 58 | 1 27 | 16 42 | 3 50 | 23 51 | 2 13 | 7 43 | 1 10 | 6 40 | 1 24 | 4 46 | 2 7 | 10 58 | 0 46 | 5 11 | 1 41 | 2 5 | 14 33 | 22 41 | 22 30 | 15 40 | 7 34 | 6 20 |
| T 26 | 22 21 | 22 58 | 0 8 | 16 31 | 3 58 | 23 39 | 2 13 | 8 0 | 1 9 | 6 40 | 1 24 | 4 45 | 2 7 | 10 58 | 0 46 | 5 12 | 1 41 | 2 5 | 14 33 | 22 41 | 22 30 | 15 37 | 7 33 | 6 20 |
| W27 | 22 28 | 19 27 | 1n11 | 16 22 | 4 4 | 23 27 | 2 12 | 8 17 | 1 9 | 6 39 | 1 23 | 4 44 | 2 7 | 10 57 | 0 46 | 5 12 | 1 42 | 2 5 | 14 33 | 22 41 | 22 31 | 15 35 | 7 33 | 6 20 |
| T 28 | 22 35 | 14 45 | 2 26 | 16 16 | 4 8 | 23 14 | 2 12 | 8 33 | 1 9 | 6 38 | 1 23 | 4 43 | 2 8 | 10 57 | 0 46 | 5 13 | 1 42 | 2 5 | 14 33 | 22 40 | 22 31 | 15 32 | 7 33 | 6 21 |
| F 29 | 22 42 | 9 16 | 3 30 | 16 11 | 4 12 | 23 0 | 2 11 | 8 50 | 1 8 | 6 38 | 1 23 | 4 42 | 2 8 | 10 56 | 0 46 | 5 13 | 1 42 | 2 5 | 14 34 | 22 40 | 22 32 | 15 30 | 7 33 | 6 21 |
| S 30 | 22 48 | 3 22 | 4 21 | 16 8 | 4 14 | 22 46 | 2 10 | 9 6 | 1 8 | 6 37 | 1 22 | 4 41 | 2 8 | 10 56 | 0 46 | 5 14 | 1 42 | 2 6 | 14 34 | 22 40 | 22 32 | 15 27 | 7 33 | 6 21 |
| S 31 | 22n54 | 2n35 | 4n55 | 16n 8 | 4s15 | 22n32 | 2n 9 | 9n22 | 1s 7 | 6s37 | 1n22 | 4s40 | 2s 8 | 10n55 | 0n46 | 5n14 | 1s42 | 2n 6 | 14s34 | 22s40 | 22s32 | 15n24 | 7s33 | 6n22 |

Julian Day Number = 2224127.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'17, Lahiri = 15°10'17 Julian Calendar 1 May 1377 == Greg. Calendar 9 May 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## JUNE 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 10 19 | 18♊ 3'42 | 8♈54 | 0♊27 | 0♌10 | 27♈41 | 20°R 5 | 23♓15 | 3♍39 | 17♈18 | 13♉47 | 15°R 1 | 16♑ 6 | 11♌13 | 24°R 2 | M 1 |
| T 2 | 17 14 15 | 19° 0'57 | 22°25 | 0°39 | 1°17 | 28°25 | 20♎ 4 | 23°17 | 3°40 | 17°19 | 13°48 | 14♑58 | 16° 3 | 11°20 | 24♒ 2 | T 2 |
| W 3 | 17 18 12 | 19°58'11 | 5♉42 | 0°55 | 2°24 | 29° 9 | 20° 3 | 23°20 | 3°42 | 17°20 | 13°49 | 14°55 | 16° 0 | 11°26 | 24° 1 | W 3 |
| T 4 | 17 22 9 | 20°55'25 | 18°44 | 1°16 | 3°30 | 29°53 | 20° 2 | 23°22 | 3°43 | 17°22 | 13°50 | 14°51 | 15°56 | 11°33 | 24° 0 | T 4 |
| F 5 | 17 26 5 | 21°52'39 | 1♊33 | 1°42 | 4°37 | 0♉36 | 20° 1 | 23°24 | 3°45 | 17°23 | 13°51 | 14°48 | 15°53 | 11°40 | 23°59 | F 5 |
| S 6 | 17 30 2 | 22°49'53 | 14° 8 | 2°12 | 5°43 | 1°20 | 20° 0 | 23°27 | 3°47 | 17°24 | 13°52 | 14°45 | 15°50 | 11°46 | 23°58 | S 6 |
| S 7 | 17 33 58 | 23°47'06 | 26°30 | 2°47 | 6°49 | 2° 3 | 20° 0 | 23°29 | 3°49 | 17°25 | 13°54 | 14°43 | 15°47 | 11°53 | 23°57 | S 7 |
| M 8 | 17 37 55 | 24°44'19 | 8♋41 | 3°26 | 7°55 | 2°47 | 20° 0 | 23°31 | 3°50 | 17°26 | 13°55 | 14°42 | 15°44 | 12° 0 | 23°56 | M 8 |
| T 9 | 17 41 51 | 25°41'32 | 20°42 | 4°10 | 9° 1 | 3°30 | 20°D 0 | 23°32 | 3°52 | 17°27 | 13°56 | 14°D42 | 15°41 | 12° 6 | 23°55 | T 9 |
| W10 | 17 45 48 | 26°38'44 | 2♌36 | 4°58 | 10° 6 | 4°13 | 20° 0 | 23°34 | 3°54 | 17°28 | 13°57 | 14°43 | 15°37 | 12°13 | 23°54 | W10 |
| T 11 | 17 49 45 | 27°35'56 | 14°25 | 5°50 | 11°12 | 4°57 | 20° 0 | 23°36 | 3°56 | 17°29 | 13°58 | 14°44 | 15°34 | 12°20 | 23°52 | T 11 |
| F 12 | 17 53 41 | 28°33'08 | 26°13 | 6°46 | 12°17 | 5°40 | 20° 1 | 23°37 | 3°58 | 17°30 | 13°59 | 14°45 | 15°31 | 12°26 | 23°51 | F 12 |
| S 13 | 17 57 38 | 29°30'19 | 8♍ 4 | 7°47 | 13°22 | 6°23 | 20° 1 | 23°39 | 4° 0 | 17°31 | 14° 0 | 14°47 | 15°28 | 12°33 | 23°50 | S 13 |
| S 14 | 18 1 34 | 0♋27'30 | 20° 3 | 8°52 | 14°26 | 7° 6 | 20° 2 | 23°40 | 4° 2 | 17°32 | 14° 1 | 14°47 | 15°25 | 12°40 | 23°48 | S 14 |
| M15 | 18 5 31 | 1°24'40 | 2♎15 | 10° 1 | 15°31 | 7°49 | 20° 3 | 23°42 | 4° 5 | 17°33 | 14° 2 | 14°R48 | 15°22 | 12°46 | 23°47 | M15 |
| T 16 | 18 9 27 | 2°21'51 | 14°42 | 11°14 | 16°35 | 8°32 | 20° 5 | 23°43 | 4° 7 | 17°34 | 14° 3 | 14°47 | 15°18 | 12°53 | 23°45 | T 16 |
| W17 | 18 13 24 | 3°19'01 | 27°31 | 12°31 | 17°39 | 9°14 | 20° 6 | 23°44 | 4° 9 | 17°35 | 14° 4 | 14°46 | 15°15 | 13° 0 | 23°44 | W17 |
| T 18 | 18 17 20 | 4°16'10 | 10♏44 | 13°51 | 18°43 | 9°57 | 20° 8 | 23°45 | 4°11 | 17°36 | 14° 5 | 14°45 | 15°12 | 13° 6 | 23°42 | T 18 |
| F 19 | 18 21 17 | 5°13'20 | 24°22 | 15°16 | 19°47 | 10°40 | 20° 9 | 23°46 | 4°14 | 17°37 | 14° 6 | 14°44 | 15° 9 | 13°13 | 23°41 | F 19 |
| S 20 | 18 25 14 | 6°10'30 | 8♐26 | 16°44 | 20°50 | 11°22 | 20°11 | 23°46 | 4°16 | 17°37 | 14° 6 | 14°43 | 15° 6 | 13°20 | 23°39 | S 20 |
| S 21 | 18 29 10 | 7° 7'39 | 22°52 | 18°16 | 21°53 | 12° 5 | 20°14 | 23°47 | 4°18 | 17°38 | 14° 7 | 14°42 | 15° 2 | 13°26 | 23°37 | S 21 |
| M22 | 18 33 7 | 8° 4'49 | 7♑37 | 19°52 | 22°56 | 12°47 | 20°16 | 23°48 | 4°21 | 17°39 | 14° 8 | 14°D42 | 14°59 | 13°33 | 23°35 | M22 |
| T 23 | 18 37 3 | 9° 1'59 | 22°32 | 21°31 | 23°58 | 13°29 | 20°18 | 23°48 | 4°23 | 17°40 | 14° 9 | 14°42 | 14°56 | 13°40 | 23°33 | T 23 |
| W24 | 18 41 0 | 9°59'09 | 7♒31 | 23°14 | 25° 1 | 14°11 | 20°21 | 23°49 | 4°26 | 17°40 | 14°10 | 14°42 | 14°53 | 13°46 | 23°32 | W24 |
| T 25 | 18 44 56 | 10°56'20 | 22°25 | 25° 0 | 26° 3 | 14°54 | 20°24 | 23°49 | 4°28 | 17°41 | 14°11 | 14°43 | 14°50 | 13°53 | 23°30 | T 25 |
| F 26 | 18 48 53 | 11°53'31 | 7♓ 7 | 26°50 | 27° 4 | 15°36 | 20°27 | 23°49 | 4°31 | 17°41 | 14°12 | 14°43 | 14°47 | 14° 0 | 23°28 | F 26 |
| S 27 | 18 52 49 | 12°50'42 | 21°32 | 28°42 | 28° 6 | 16°18 | 20°30 | 23°R49 | 4°34 | 17°42 | 14°12 | 14°43 | 14°43 | 14° 6 | 23°26 | S 27 |
| S 28 | 18 56 46 | 13°47'55 | 5♈37 | 0♋37 | 29° 7 | 16°59 | 20°33 | 23°49 | 4°36 | 17°42 | 14°13 | 14°43 | 14°40 | 14°13 | 23°23 | S 28 |
| M29 | 19 0 43 | 14°45'07 | 19°20 | 2°35 | 0♍ 8 | 17°41 | 20°37 | 23°49 | 4°39 | 17°43 | 14°14 | 14°43 | 14°37 | 14°19 | 23°21 | M29 |
| T 30 | 19 4 39 | 15♋42'21 | 2♉42 | 4♋34 | 1♍ 8 | 18♉23 | 20♎40 | 23♓49 | 4♍42 | 17♈43 | 14♉15 | 14♑43 | 14♑34 | 14♌26 | 23♒19 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n59 | 8n19 | 5n12 | 16n10 | 4s15 | 22n16 | 2n 8 | 9n39 | 1s 7 | 6s37 | 1n22 | 4s40 | 2s 9 | 10n55 | 0n46 | 5n15 | 1s42 | 2n 6 | 14s34 | 22s40 | 22s33 | 15n22 | 7s32 | 6n22 |
| T 2 | 23 4 | 13 34 | 5 11 | 16 13 | 4 13 | 22 0 | 2 7 | 9 55 | 1 7 | 6 37 | 1 22 | 4 39 | 2 9 | 10 54 | 0 46 | 5 15 | 1 42 | 2 6 | 14 34 | 22 41 | 22 33 | 15 19 | 7 32 | 6 22 |
| W 3 | 23 8 | 18 4 | 4 54 | 16 19 | 4 11 | 21 44 | 2 6 | 10 11 | 1 6 | 6 36 | 1 21 | 4 38 | 2 9 | 10 54 | 0 45 | 5 16 | 1 42 | 2 6 | 14 34 | 22 41 | 22 34 | 15 17 | 7 32 | 6 23 |
| T 4 | 23 13 | 21 38 | 4 21 | 16 27 | 4 7 | 21 27 | 2 5 | 10 26 | 1 6 | 6 36 | 1 21 | 4 37 | 2 10 | 10 53 | 0 45 | 5 16 | 1 42 | 2 7 | 14 34 | 22 41 | 22 34 | 15 14 | 7 32 | 6 23 |
| F 5 | 23 16 | 24 3 | 3 36 | 16 36 | 4 3 | 21 10 | 2 3 | 10 42 | 1 5 | 6 36 | 1 21 | 4 37 | 2 10 | 10 52 | 0 45 | 5 17 | 1 42 | 2 7 | 14 35 | 22 42 | 22 34 | 15 12 | 7 32 | 6 23 |
| S 6 | 23 20 | 25 14 | 2 41 | 16 47 | 3 58 | 20 52 | 2 2 | 10 58 | 1 5 | 6 36 | 1 20 | 4 36 | 2 10 | 10 52 | 0 45 | 5 17 | 1 42 | 2 7 | 14 35 | 22 42 | 22 35 | 15 9 | 7 32 | 6 24 |
| S 7 | 23 22 | 25 7 | 1 39 | 17 0 | 3 51 | 20 34 | 2 0 | 11 13 | 1 4 | 6 36 | 1 20 | 4 36 | 2 10 | 10 51 | 0 45 | 5 17 | 1 42 | 2 7 | 14 35 | 22 42 | 22 35 | 15 6 | 7 32 | 6 24 |
| M 8 | 23 25 | 23 47 | 0 33 | 17 14 | 3 44 | 20 15 | 1 58 | 11 29 | 1 4 | 6 37 | 1 20 | 4 35 | 2 11 | 10 50 | 0 45 | 5 18 | 1 42 | 2 7 | 14 35 | 22 42 | 22 35 | 15 4 | 7 32 | 6 24 |
| T 9 | 23 27 | 21 23 | 0s33 | 17 30 | 3 37 | 19 56 | 1 56 | 11 44 | 1 4 | 6 37 | 1 20 | 4 34 | 2 11 | 10 49 | 0 45 | 5 18 | 1 42 | 2 7 | 14 35 | 22 42 | 22 36 | 15 1 | 7 33 | 6 24 |
| W10 | 23 29 | 18 4 | 1 37 | 17 47 | 3 28 | 19 36 | 1 54 | 11 59 | 1 3 | 6 37 | 1 19 | 4 34 | 2 11 | 10 49 | 0 45 | 5 18 | 1 42 | 2 7 | 14 35 | 22 42 | 22 36 | 14 59 | 7 33 | 6 25 |
| T 11 | 23 30 | 14 3 | 2 37 | 18 5 | 3 19 | 19 16 | 1 52 | 12 14 | 1 3 | 6 38 | 1 19 | 4 34 | 2 11 | 10 48 | 0 45 | 5 19 | 1 42 | 2 8 | 14 36 | 22 42 | 22 37 | 14 56 | 7 33 | 6 25 |
| F 12 | 23 31 | 9 32 | 3 30 | 18 24 | 3 9 | 18 55 | 1 49 | 12 29 | 1 2 | 6 38 | 1 19 | 4 33 | 2 12 | 10 47 | 0 45 | 5 19 | 1 42 | 2 8 | 14 36 | 22 42 | 22 37 | 14 53 | 7 33 | 6 25 |
| S 13 | 23 31 | 4 38 | 4 14 | 18 44 | 2 59 | 18 34 | 1 47 | 12 43 | 1 2 | 6 39 | 1 19 | 4 33 | 2 12 | 10 46 | 0 45 | 5 19 | 1 42 | 2 8 | 14 36 | 22 42 | 22 37 | 14 51 | 7 33 | 6 26 |
| S 14 | 23 31 | 0s28 | 4 48 | 19 5 | 2 48 | 18 13 | 1 44 | 12 58 | 1 1 | 6 39 | 1 18 | 4 33 | 2 12 | 10 46 | 0 45 | 5 20 | 1 43 | 2 8 | 14 36 | 22 42 | 22 38 | 14 48 | 7 33 | 6 26 |
| M15 | 23 31 | 5 37 | 5 9 | 19 26 | 2 37 | 17 51 | 1 42 | 13 12 | 1 1 | 6 40 | 1 18 | 4 32 | 2 13 | 10 45 | 0 45 | 5 20 | 1 43 | 2 8 | 14 36 | 22 42 | 22 38 | 14 45 | 7 33 | 6 26 |
| T 16 | 23 30 | 10 41 | 5 17 | 19 48 | 2 26 | 17 29 | 1 39 | 13 27 | 1 0 | 6 41 | 1 18 | 4 32 | 2 13 | 10 44 | 0 45 | 5 20 | 1 43 | 2 8 | 14 36 | 22 42 | 22 38 | 14 43 | 7 34 | 6 26 |
| W17 | 23 29 | 15 26 | 5 9 | 20 10 | 2 14 | 17 7 | 1 36 | 13 41 | 0 59 | 6 41 | 1 17 | 4 32 | 2 13 | 10 43 | 0 45 | 5 21 | 1 43 | 2 8 | 14 37 | 22 42 | 22 39 | 14 40 | 7 34 | 6 27 |
| T 18 | 23 27 | 19 36 | 4 45 | 20 32 | 2 1 | 16 44 | 1 33 | 13 55 | 0 59 | 6 42 | 1 17 | 4 32 | 2 13 | 10 42 | 0 45 | 5 21 | 1 43 | 2 8 | 14 37 | 22 42 | 22 39 | 14 38 | 7 34 | 6 27 |
| F 19 | 23 25 | 22 52 | 4 4 | 20 54 | 1 49 | 16 21 | 1 30 | 14 9 | 0 58 | 6 43 | 1 17 | 4 32 | 2 14 | 10 41 | 0 45 | 5 21 | 1 43 | 2 8 | 14 37 | 22 42 | 22 39 | 14 35 | 7 34 | 6 27 |
| S 20 | 23 23 | 24 53 | 3 8 | 21 15 | 1 36 | 15 58 | 1 26 | 14 23 | 0 58 | 6 44 | 1 17 | 4 32 | 2 14 | 10 40 | 0 45 | 5 21 | 1 43 | 2 8 | 14 37 | 22 42 | 22 40 | 14 32 | 7 35 | 6 28 |
| S 21 | 23 20 | 25 18 | 1 58 | 21 37 | 1 24 | 15 34 | 1 23 | 14 36 | 0 57 | 6 45 | 1 16 | 4 32 | 2 14 | 10 40 | 0 45 | 5 22 | 1 43 | 2 8 | 14 38 | 22 42 | 22 40 | 14 30 | 7 35 | 6 28 |
| M22 | 23 16 | 23 57 | 0 39 | 21 57 | 1 11 | 15 10 | 1 19 | 14 50 | 0 57 | 6 46 | 1 16 | 4 32 | 2 14 | 10 39 | 0 45 | 5 22 | 1 43 | 2 8 | 14 38 | 22 42 | 22 40 | 14 27 | 7 35 | 6 28 |
| T 23 | 23 13 | 20 55 | 0n43 | 22 17 | 0 58 | 14 46 | 1 15 | 15 3 | 0 56 | 6 47 | 1 16 | 4 32 | 2 15 | 10 38 | 0 45 | 5 22 | 1 43 | 2 8 | 14 38 | 22 42 | 22 41 | 14 24 | 7 36 | 6 28 |
| W24 | 23 9 | 16 28 | 2 3 | 22 35 | 0 45 | 14 21 | 1 11 | 15 16 | 0 55 | 6 49 | 1 15 | 4 32 | 2 15 | 10 37 | 0 45 | 5 22 | 1 43 | 2 8 | 14 38 | 22 42 | 22 41 | 14 22 | 7 36 | 6 29 |
| T 25 | 23 4 | 11 1 | 3 15 | 22 53 | 0 33 | 13 56 | 1 7 | 15 29 | 0 55 | 6 50 | 1 15 | 4 32 | 2 15 | 10 36 | 0 45 | 5 22 | 1 43 | 2 8 | 14 38 | 22 42 | 22 42 | 14 19 | 7 37 | 6 29 |
| F 26 | 22 59 | 5 2 | 4 12 | 23 8 | 0 21 | 13 31 | 1 3 | 15 42 | 0 54 | 6 51 | 1 15 | 4 32 | 2 16 | 10 35 | 0 45 | 5 23 | 1 43 | 2 8 | 14 39 | 22 42 | 22 42 | 14 17 | 7 37 | 6 29 |
| S 27 | 22 54 | 1n 6 | 4 52 | 23 22 | 0 8 | 13 6 | 0 59 | 15 55 | 0 54 | 6 53 | 1 15 | 4 32 | 2 16 | 10 34 | 0 45 | 5 23 | 1 43 | 2 8 | 14 39 | 22 42 | 22 42 | 14 14 | 7 37 | 6 29 |
| S 28 | 22 48 | 7 2 | 5 14 | 23 35 | 0n 3 | 12 40 | 0 55 | 16 7 | 0 53 | 6 54 | 1 14 | 4 33 | 2 16 | 10 33 | 0 45 | 5 23 | 1 43 | 2 8 | 14 39 | 22 42 | 22 43 | 14 11 | 7 38 | 6 29 |
| M29 | 22 42 | 12 28 | 5 17 | 23 45 | 0 15 | 12 15 | 0 50 | 16 20 | 0 52 | 6 56 | 1 14 | 4 33 | 2 16 | 10 32 | 0 45 | 5 23 | 1 43 | 2 8 | 14 39 | 22 42 | 22 43 | 14 9 | 7 38 | 6 30 |
| T 30 | 22n36 | 17n11 | 5n 2 | 23n52 | 0n26 | 11n49 | 0n45 | 16n32 | 0s52 | 6s58 | 1n14 | 4s33 | 2s17 | 10n31 | 0n45 | 5n23 | 1s43 | 2n 8 | 14s40 | 22s42 | 22s43 | 14n 6 | 7s39 | 6n30 |

Julian Day Number = 2224158.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'21, Lahiri = 15°10'22 Julian Calendar 1 June 1377 == Greg. Calendar 9 June 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## JULY 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 8 36 | 16♋39'36 | 15♉45 | 6♋36 | 2♍ 8 | 19♉ 5 | 20♎44 | 23°R48 | 4♍45 | 17♈44 | 14♉15 | 14♑43 | 14♑31 | 14♌33 | 23°R17 | W 1 |
| T 2 | 19 12 32 | 17°36'51 | 28°31 | 8°40 | 3° 8 | 19°46 | 20°48 | 23♓48 | 4°47 | 17°44 | 14°16 | 14°44 | 14°28 | 14°39 | 23♒15 | T 2 |
| F 3 | 19 16 29 | 18°34'07 | 11♊ 1 | 10°45 | 4° 7 | 20°28 | 20°52 | 23°47 | 4°50 | 17°45 | 14°17 | 14°44 | 14°24 | 14°46 | 23°12 | F 3 |
| S 4 | 19 20 25 | 19°31'24 | 23°19 | 12°51 | 5° 6 | 21° 9 | 20°57 | 23°47 | 4°53 | 17°45 | 14°17 | 14°44 | 14°21 | 14°53 | 23°10 | S 4 |
| S 5 | 19 24 22 | 20°28'41 | 5♋27 | 14°58 | 6° 5 | 21°50 | 21° 1 | 23°46 | 4°56 | 17°45 | 14°18 | 14°45 | 14°18 | 14°59 | 23° 8 | S 5 |
| M 6 | 19 28 18 | 21°25'59 | 17°27 | 17° 5 | 7° 4 | 22°31 | 21° 6 | 23°45 | 4°59 | 17°45 | 14°19 | 14°R45 | 14°15 | 15° 6 | 23° 5 | M 6 |
| T 7 | 19 32 15 | 22°23'18 | 29°20 | 19°12 | 8° 1 | 23°13 | 21°10 | 23°44 | 5° 2 | 17°46 | 14°19 | 14°44 | 14°12 | 15°13 | 23° 3 | T 7 |
| W 8 | 19 36 12 | 23°20'37 | 11♌10 | 21°20 | 8°59 | 23°54 | 21°15 | 23°43 | 5° 5 | 17°46 | 14°20 | 14°44 | 14° 8 | 15°19 | 23° 0 | W 8 |
| T 9 | 19 40 8 | 24°17'57 | 22°58 | 23°26 | 9°56 | 24°34 | 21°20 | 23°42 | 5° 8 | 17°46 | 14°20 | 14°43 | 14° 5 | 15°26 | 22°58 | T 9 |
| F 10 | 19 44 5 | 25°15'18 | 4♍48 | 25°33 | 10°53 | 25°15 | 21°26 | 23°41 | 5°11 | 17°46 | 14°21 | 14°41 | 14° 2 | 15°33 | 22°55 | F 10 |
| S 11 | 19 48 1 | 26°12'39 | 16°41 | 27°38 | 11°49 | 25°56 | 21°31 | 23°39 | 5°14 | 17°46 | 14°22 | 14°40 | 13°59 | 15°39 | 22°53 | S 11 |
| S 12 | 19 51 58 | 27°10'00 | 28°41 | 29°43 | 12°45 | 26°37 | 21°37 | 23°38 | 5°17 | 17°46 | 14°22 | 14°38 | 13°56 | 15°46 | 22°50 | S 12 |
| M13 | 19 55 54 | 28° 7'23 | 10♎52 | 1♌46 | 13°40 | 27°17 | 21°42 | 23°36 | 5°21 | 17°R46 | 14°23 | 14°37 | 13°53 | 15°53 | 22°48 | M13 |
| T 14 | 19 59 51 | 29° 4'45 | 23°17 | 3°48 | 14°34 | 27°57 | 21°48 | 23°35 | 5°24 | 17°46 | 14°23 | 14°D36 | 13°49 | 15°59 | 22°45 | T 14 |
| W15 | 20 3 47 | 0♌ 2'09 | 6♏ 2 | 5°49 | 15°29 | 28°38 | 21°54 | 23°33 | 5°27 | 17°46 | 14°24 | 14°36 | 13°46 | 16° 6 | 22°42 | W15 |
| T 16 | 20 7 44 | 0°59'33 | 19° 9 | 7°49 | 16°22 | 29°18 | 22° 0 | 23°31 | 5°30 | 17°46 | 14°24 | 14°37 | 13°43 | 16°13 | 22°39 | T 16 |
| F 17 | 20 11 41 | 1°56'58 | 2♐41 | 9°47 | 17°15 | 29°58 | 22° 7 | 23°29 | 5°33 | 17°46 | 14°24 | 14°38 | 13°40 | 16°19 | 22°37 | F 17 |
| S 18 | 20 15 37 | 2°54'24 | 16°40 | 11°43 | 18° 8 | 0♊38 | 22°13 | 23°27 | 5°37 | 17°46 | 14°25 | 14°39 | 13°37 | 16°26 | 22°34 | S 18 |
| S 19 | 20 19 34 | 3°51'51 | 1♑ 5 | 13°38 | 19° 0 | 1°18 | 22°19 | 23°25 | 5°40 | 17°46 | 14°25 | 14°40 | 13°34 | 16°33 | 22°31 | S 19 |
| M20 | 20 23 30 | 4°49'18 | 15°53 | 15°32 | 19°51 | 1°58 | 22°26 | 23°23 | 5°43 | 17°46 | 14°26 | 14°R41 | 13°30 | 16°40 | 22°28 | M20 |
| T 21 | 20 27 27 | 5°46'46 | 0♒57 | 17°23 | 20°41 | 2°37 | 22°33 | 23°21 | 5°47 | 17°45 | 14°26 | 14°40 | 13°27 | 16°46 | 22°26 | T 21 |
| W22 | 20 31 23 | 6°44'16 | 16°10 | 19°14 | 21°31 | 3°17 | 22°40 | 23°18 | 5°50 | 17°45 | 14°26 | 14°39 | 13°24 | 16°53 | 22°23 | W22 |
| T 23 | 20 35 20 | 7°41'46 | 1♓21 | 21° 3 | 22°20 | 3°57 | 22°47 | 23°16 | 5°54 | 17°45 | 14°27 | 14°36 | 13°21 | 17° 0 | 22°20 | T 23 |
| F 24 | 20 39 17 | 8°39'18 | 16°21 | 22°50 | 23° 9 | 4°36 | 22°54 | 23°13 | 5°57 | 17°44 | 14°27 | 14°33 | 13°18 | 17° 6 | 22°17 | F 24 |
| S 25 | 20 43 13 | 9°36'51 | 1♈ 2 | 24°36 | 23°57 | 5°15 | 23° 2 | 23°11 | 6° 1 | 17°44 | 14°27 | 14°30 | 13°14 | 17°13 | 22°14 | S 25 |
| S 26 | 20 47 10 | 10°34'25 | 15°18 | 26°20 | 24°43 | 5°54 | 23° 9 | 23° 8 | 6° 4 | 17°44 | 14°27 | 14°27 | 13°11 | 17°20 | 22°11 | S 26 |
| M27 | 20 51 6 | 11°32'01 | 29° 8 | 28° 3 | 25°29 | 6°33 | 23°17 | 23° 5 | 6° 8 | 17°43 | 14°28 | 14°25 | 13° 8 | 17°26 | 22° 8 | M27 |
| T 28 | 20 55 3 | 12°29'39 | 12♉30 | 29°44 | 26°15 | 7°12 | 23°24 | 23° 2 | 6°11 | 17°43 | 14°28 | 14°D25 | 13° 5 | 17°33 | 22° 5 | T 28 |
| W29 | 20 58 59 | 13°27'18 | 25°29 | 1♍24 | 26°59 | 7°51 | 23°32 | 22°59 | 6°15 | 17°42 | 14°28 | 14°25 | 13° 2 | 17°40 | 22° 2 | W29 |
| T 30 | 21 2 56 | 14°24'59 | 8♊ 6 | 3° 2 | 27°42 | 8°30 | 23°40 | 22°56 | 6°18 | 17°42 | 14°28 | 14°27 | 12°59 | 17°46 | 21°59 | T 30 |
| F 31 | 21 6 52 | 15♌22'42 | 20♊26 | 4♍39 | 28♍25 | 9♊ 8 | 23♎48 | 22♓53 | 6♍22 | 17♈41 | 14♉28 | 14♑28 | 12♑55 | 17♌53 | 21♒56 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n29 | 20n57 | 4n32 | 23n57 | 0n36 | 11n23 | 0n40 | 16n44 | 0s51 | 6s59 | 1n14 | 4s34 | 2s17 | 10n30 | 0n45 | 5n23 | 1s44 | 2n 8 | 14s40 | 22s42 | 22s44 | 14n 3 | 7s39 | 6n30 |
| T 2 | 22 21 | 23 37 | 3 50 | 24 0 | 0 46 | 10 56 | 0 35 | 16 56 | 0 50 | 7 1 | 1 13 | 4 34 | 2 17 | 10 29 | 0 44 | 5 23 | 1 44 | 2 8 | 14 40 | 22 42 | 22 44 | 14 1 | 7 40 | 6 30 |
| F 3 | 22 14 | 25 5 | 2 57 | 24 0 | 0 55 | 10 30 | 0 30 | 17 7 | 0 50 | 7 3 | 1 13 | 4 35 | 2 17 | 10 28 | 0 44 | 5 23 | 1 44 | 2 8 | 14 40 | 22 42 | 22 44 | 13 58 | 7 41 | 6 30 |
| S 4 | 22 6 | 25 17 | 1 56 | 23 57 | 1 4 | 10 4 | 0 25 | 17 19 | 0 49 | 7 5 | 1 13 | 4 35 | 2 18 | 10 26 | 0 44 | 5 23 | 1 44 | 2 8 | 14 41 | 22 42 | 22 45 | 13 55 | 7 41 | 6 31 |
| S 5 | 21 57 | 24 16 | 0 51 | 23 52 | 1 11 | 9 37 | 0 20 | 17 30 | 0 48 | 7 7 | 1 12 | 4 36 | 2 18 | 10 25 | 0 44 | 5 23 | 1 44 | 2 8 | 14 41 | 22 42 | 22 45 | 13 53 | 7 42 | 6 31 |
| M 6 | 21 48 | 22 8 | 0s15 | 23 43 | 1 18 | 9 10 | 0 14 | 17 42 | 0 48 | 7 9 | 1 12 | 4 36 | 2 18 | 10 24 | 0 44 | 5 23 | 1 44 | 2 8 | 14 41 | 22 42 | 22 45 | 13 50 | 7 42 | 6 31 |
| T 7 | 21 39 | 19 3 | 1 20 | 23 32 | 1 25 | 8 43 | 0 8 | 17 53 | 0 47 | 7 11 | 1 12 | 4 37 | 2 19 | 10 23 | 0 44 | 5 24 | 1 44 | 2 8 | 14 41 | 22 42 | 22 46 | 13 47 | 7 43 | 6 31 |
| W 8 | 21 30 | 15 13 | 2 21 | 23 18 | 1 30 | 8 16 | 0 3 | 18 4 | 0 46 | 7 13 | 1 12 | 4 38 | 2 19 | 10 22 | 0 44 | 5 24 | 1 44 | 2 8 | 14 42 | 22 42 | 22 46 | 13 45 | 7 44 | 6 31 |
| T 9 | 21 20 | 10 49 | 3 16 | 23 2 | 1 35 | 7 49 | 0s 3 | 18 14 | 0 46 | 7 15 | 1 11 | 4 38 | 2 19 | 10 21 | 0 44 | 5 24 | 1 44 | 2 8 | 14 42 | 22 42 | 22 46 | 13 42 | 7 44 | 6 32 |
| F 10 | 21 9 | 6 1 | 4 3 | 22 43 | 1 39 | 7 22 | 0 9 | 18 25 | 0 45 | 7 17 | 1 11 | 4 39 | 2 19 | 10 20 | 0 44 | 5 24 | 1 44 | 2 8 | 14 42 | 22 42 | 22 47 | 13 39 | 7 45 | 6 32 |
| S 11 | 20 59 | 0 59 | 4 40 | 22 22 | 1 42 | 6 55 | 0 16 | 18 35 | 0 44 | 7 19 | 1 11 | 4 40 | 2 20 | 10 19 | 0 44 | 5 23 | 1 44 | 2 8 | 14 42 | 22 43 | 22 47 | 13 37 | 7 46 | 6 32 |
| S 12 | 20 48 | 4s 7 | 5 4 | 21 59 | 1 44 | 6 28 | 0 22 | 18 46 | 0 43 | 7 22 | 1 11 | 4 41 | 2 20 | 10 17 | 0 44 | 5 23 | 1 44 | 2 8 | 14 43 | 22 43 | 22 47 | 13 34 | 7 46 | 6 32 |
| M13 | 20 36 | 9 9 | 5 16 | 21 33 | 1 46 | 6 0 | 0 29 | 18 56 | 0 43 | 7 24 | 1 10 | 4 41 | 2 20 | 10 16 | 0 44 | 5 23 | 1 44 | 2 7 | 14 43 | 22 43 | 22 48 | 13 31 | 7 47 | 6 32 |
| T 14 | 20 25 | 13 55 | 5 13 | 21 6 | 1 47 | 5 33 | 0 35 | 19 5 | 0 42 | 7 26 | 1 10 | 4 42 | 2 20 | 10 15 | 0 44 | 5 23 | 1 44 | 2 7 | 14 43 | 22 43 | 22 48 | 13 29 | 7 48 | 6 32 |
| W15 | 20 13 | 18 12 | 4 55 | 20 37 | 1 47 | 5 6 | 0 42 | 19 15 | 0 41 | 7 29 | 1 10 | 4 43 | 2 21 | 10 14 | 0 44 | 5 23 | 1 44 | 2 7 | 14 43 | 22 43 | 22 48 | 13 26 | 7 48 | 6 32 |
| T 16 | 20 0 | 21 45 | 4 21 | 20 6 | 1 47 | 4 39 | 0 49 | 19 25 | 0 40 | 7 31 | 1 10 | 4 44 | 2 21 | 10 13 | 0 44 | 5 23 | 1 44 | 2 7 | 14 44 | 22 43 | 22 49 | 13 23 | 7 49 | 6 32 |
| F 17 | 19 48 | 24 14 | 3 32 | 19 34 | 1 46 | 4 12 | 0 56 | 19 34 | 0 40 | 7 34 | 1 9 | 4 45 | 2 21 | 10 11 | 0 44 | 5 23 | 1 45 | 2 7 | 14 44 | 22 43 | 22 49 | 13 21 | 7 50 | 6 33 |
| S 18 | 19 35 | 25 19 | 2 29 | 19 0 | 1 44 | 3 44 | 1 3 | 19 43 | 0 39 | 7 37 | 1 9 | 4 46 | 2 21 | 10 10 | 0 44 | 5 23 | 1 45 | 2 7 | 14 44 | 22 43 | 22 49 | 13 18 | 7 51 | 6 33 |
| S 19 | 19 21 | 24 45 | 1 14 | 18 25 | 1 42 | 3 17 | 1 10 | 19 52 | 0 38 | 7 39 | 1 9 | 4 47 | 2 22 | 10 9 | 0 44 | 5 23 | 1 45 | 2 7 | 14 44 | 22 43 | 22 50 | 13 15 | 7 52 | 6 33 |
| M20 | 19 7 | 22 28 | 0n 7 | 17 49 | 1 39 | 2 50 | 1 18 | 20 1 | 0 37 | 7 42 | 1 9 | 4 48 | 2 22 | 10 8 | 0 44 | 5 23 | 1 45 | 2 6 | 14 45 | 22 43 | 22 50 | 13 12 | 7 52 | 6 33 |
| T 21 | 18 53 | 18 34 | 1 29 | 17 12 | 1 36 | 2 23 | 1 26 | 20 10 | 0 36 | 7 45 | 1 8 | 4 50 | 2 22 | 10 6 | 0 44 | 5 23 | 1 45 | 2 6 | 14 45 | 22 43 | 22 50 | 13 10 | 7 53 | 6 33 |
| W22 | 18 39 | 13 25 | 2 45 | 16 34 | 1 33 | 1 57 | 1 33 | 20 18 | 0 36 | 7 47 | 1 8 | 4 51 | 2 22 | 10 5 | 0 44 | 5 22 | 1 45 | 2 6 | 14 45 | 22 43 | 22 51 | 13 7 | 7 54 | 6 33 |
| T 23 | 18 24 | 7 27 | 3 49 | 15 56 | 1 28 | 1 30 | 1 41 | 20 26 | 0 35 | 7 50 | 1 8 | 4 52 | 2 23 | 10 4 | 0 44 | 5 22 | 1 45 | 2 6 | 14 46 | 22 43 | 22 51 | 13 4 | 7 55 | 6 33 |
| F 24 | 18 10 | 1 9 | 4 37 | 15 16 | 1 24 | 1 4 | 1 49 | 20 35 | 0 34 | 7 53 | 1 8 | 4 53 | 2 23 | 10 2 | 0 44 | 5 22 | 1 45 | 2 6 | 14 46 | 22 43 | 22 51 | 13 2 | 7 56 | 6 33 |
| S 25 | 17 54 | 5n 5 | 5 6 | 14 36 | 1 19 | 0 37 | 1 57 | 20 42 | 0 33 | 7 56 | 1 8 | 4 54 | 2 23 | 10 1 | 0 44 | 5 22 | 1 45 | 2 6 | 14 46 | 22 44 | 22 52 | 12 59 | 7 57 | 6 33 |
| S 26 | 17 39 | 10 52 | 5 14 | 13 56 | 1 13 | 0 11 | 2 6 | 20 50 | 0 32 | 7 59 | 1 7 | 4 56 | 2 23 | 10 0 | 0 44 | 5 22 | 1 45 | 2 5 | 14 46 | 22 44 | 22 52 | 12 56 | 7 57 | 6 33 |
| M27 | 17 23 | 15 56 | 5 4 | 13 15 | 1 8 | 0s15 | 2 14 | 20 58 | 0 31 | 8 2 | 1 7 | 4 57 | 2 24 | 9 59 | 0 44 | 5 21 | 1 45 | 2 5 | 14 47 | 22 44 | 22 52 | 12 54 | 7 58 | 6 33 |
| T 28 | 17 7 | 20 2 | 4 37 | 12 34 | 1 2 | 0 41 | 2 23 | 21 5 | 0 30 | 8 5 | 1 7 | 4 58 | 2 24 | 9 57 | 0 44 | 5 21 | 1 45 | 2 5 | 14 47 | 22 44 | 22 53 | 12 51 | 7 59 | 6 33 |
| W29 | 16 50 | 23 2 | 3 57 | 11 53 | 0 55 | 1 7 | 2 31 | 21 12 | 0 30 | 8 8 | 1 7 | 5 0 | 2 24 | 9 56 | 0 44 | 5 21 | 1 45 | 2 5 | 14 47 | 22 44 | 22 53 | 12 48 | 8 0 | 6 33 |
| T 30 | 16 34 | 24 48 | 3 7 | 11 11 | 0 49 | 1 32 | 2 40 | 21 19 | 0 29 | 8 11 | 1 6 | 5 1 | 2 24 | 9 55 | 0 44 | 5 21 | 1 45 | 2 5 | 14 47 | 22 44 | 22 53 | 12 45 | 8 1 | 6 33 |
| F 31 | 16n17 | 25n18 | 2n 8 | 10n29 | 0n42 | 1s57 | 2s49 | 21n26 | 0s28 | 8s15 | 1n 6 | 5s 3 | 2s24 | 9n53 | 0n44 | 5n20 | 1s45 | 2n 4 | 14s48 | 22s44 | 22s53 | 12n43 | 8s 2 | 6n33 |

Julian Day Number = 2224188.5, Delta T = 08m28s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'25, Lahiri = 15°10'26 Julian Calendar 1 July 1377 == Greg. Calendar 9 July 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## AUGUST 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 10 49 | 16♌20'26 | 2♋33 | 6♍14 | 29♍ 7 | 9♊47 | 23♎57 | 22°R50 | 6♍25 | 17°R41 | 14♉28 | 14♑30 | 12♑52 | 18♌ 0 | 21°R53 | S 1 |
| S 2 | 21 14 46 | 17°18'11 | 14°31 | 7°48 | 29°47 | 10°25 | 24° 5 | 22♓46 | 6°29 | 17♈40 | 14°28 | 14°R30 | 12°49 | 18° 6 | 21♒50 | S 2 |
| M 3 | 21 18 42 | 18°15'58 | 26°23 | 9°21 | 0♎27 | 11° 4 | 24°13 | 22°43 | 6°33 | 17°39 | 14°28 | 14°30 | 12°46 | 18°13 | 21°47 | M 3 |
| T 4 | 21 22 39 | 19°13'47 | 8♌12 | 10°52 | 1° 5 | 11°42 | 24°22 | 22°40 | 6°36 | 17°39 | 14°29 | 14°27 | 12°43 | 18°20 | 21°44 | T 4 |
| W 5 | 21 26 35 | 20°11'37 | 20° 0 | 12°21 | 1°42 | 12°20 | 24°31 | 22°36 | 6°40 | 17°38 | 14°29 | 14°23 | 12°40 | 18°26 | 21°41 | W 5 |
| T 6 | 21 30 32 | 21° 9'29 | 1♍50 | 13°50 | 2°18 | 12°58 | 24°39 | 22°33 | 6°43 | 17°37 | 14°R29 | 14°18 | 12°36 | 18°33 | 21°38 | T 6 |
| F 7 | 21 34 28 | 22° 7'22 | 13°43 | 15°16 | 2°53 | 13°35 | 24°48 | 22°29 | 6°47 | 17°36 | 14°29 | 14°11 | 12°33 | 18°40 | 21°35 | F 7 |
| S 8 | 21 38 25 | 23° 5'16 | 25°41 | 16°41 | 3°26 | 14°13 | 24°57 | 22°25 | 6°51 | 17°36 | 14°29 | 14° 4 | 12°30 | 18°46 | 21°32 | S 8 |
| S 9 | 21 42 21 | 24° 3'12 | 7♎47 | 18° 5 | 3°59 | 14°50 | 25° 7 | 22°21 | 6°54 | 17°35 | 14°28 | 13°57 | 12°27 | 18°53 | 21°29 | S 9 |
| M10 | 21 46 18 | 25° 1'09 | 20° 2 | 19°27 | 4°29 | 15°28 | 25°16 | 22°18 | 6°58 | 17°34 | 14°28 | 13°51 | 12°24 | 19° 0 | 21°26 | M10 |
| T 11 | 21 50 14 | 25°59'08 | 2♏30 | 20°48 | 4°59 | 16° 5 | 25°25 | 22°14 | 7° 2 | 17°33 | 14°28 | 13°47 | 12°20 | 19° 6 | 21°23 | T 11 |
| W12 | 21 54 11 | 26°57'08 | 15°13 | 22° 6 | 5°27 | 16°42 | 25°35 | 22°10 | 7° 6 | 17°32 | 14°28 | 13°44 | 12°17 | 19°13 | 21°20 | W12 |
| T 13 | 21 58 8 | 27°55'10 | 28°15 | 23°24 | 5°53 | 17°19 | 25°44 | 22° 6 | 7° 9 | 17°31 | 14°28 | 13°D44 | 12°14 | 19°20 | 21°17 | T 13 |
| F 14 | 22 2 4 | 28°53'13 | 11♐38 | 24°39 | 6°17 | 17°56 | 25°54 | 22° 2 | 7°13 | 17°30 | 14°28 | 13°44 | 12°11 | 19°26 | 21°14 | F 14 |
| S 15 | 22 6 1 | 29°51'17 | 25°27 | 25°53 | 6°40 | 18°32 | 26° 3 | 21°58 | 7°17 | 17°29 | 14°28 | 13°45 | 12° 8 | 19°33 | 21°11 | S 15 |
| S 16 | 22 9 57 | 0♍49'23 | 9♑40 | 27° 5 | 7° 2 | 19° 9 | 26°13 | 21°53 | 7°21 | 17°28 | 14°28 | 13°R46 | 12° 5 | 19°40 | 21° 9 | S 16 |
| M17 | 22 13 54 | 1°47'30 | 24°18 | 28°14 | 7°21 | 19°45 | 26°23 | 21°49 | 7°24 | 17°27 | 14°27 | 13°46 | 12° 1 | 19°46 | 21° 6 | M17 |
| T 18 | 22 17 50 | 2°45'39 | 9♒16 | 29°22 | 7°38 | 20°21 | 26°33 | 21°45 | 7°28 | 17°26 | 14°27 | 13°44 | 11°58 | 19°53 | 21° 3 | T 18 |
| W19 | 22 21 47 | 3°43'49 | 24°27 | 0♎28 | 7°54 | 20°57 | 26°43 | 21°41 | 7°32 | 17°25 | 14°27 | 13°39 | 11°55 | 20° 0 | 21° 0 | W19 |
| T 20 | 22 25 43 | 4°42'01 | 9♓41 | 1°31 | 8° 8 | 21°33 | 26°54 | 21°36 | 7°36 | 17°24 | 14°27 | 13°33 | 11°52 | 20° 6 | 20°57 | T 20 |
| F 21 | 22 29 40 | 5°40'15 | 24°49 | 2°32 | 8°19 | 22° 9 | 27° 4 | 21°32 | 7°39 | 17°23 | 14°26 | 13°25 | 11°49 | 20°13 | 20°54 | F 21 |
| S 22 | 22 33 37 | 6°38'30 | 9♈40 | 3°31 | 8°29 | 22°44 | 27°14 | 21°28 | 7°43 | 17°22 | 14°26 | 13°17 | 11°45 | 20°20 | 20°51 | S 22 |
| S 23 | 22 37 33 | 7°36'48 | 24° 7 | 4°26 | 8°36 | 23°20 | 27°25 | 21°23 | 7°47 | 17°21 | 14°26 | 13°10 | 11°42 | 20°26 | 20°48 | S 23 |
| M24 | 22 41 30 | 8°35'08 | 8♉ 5 | 5°19 | 8°41 | 23°55 | 27°35 | 21°19 | 7°51 | 17°19 | 14°25 | 13° 4 | 11°39 | 20°33 | 20°45 | M24 |
| T 25 | 22 45 26 | 9°33'30 | 21°33 | 6° 9 | 8°44 | 24°30 | 27°46 | 21°14 | 7°54 | 17°18 | 14°25 | 13° 0 | 11°36 | 20°40 | 20°43 | T 25 |
| W26 | 22 49 23 | 10°31'54 | 4♊34 | 6°56 | 8°R44 | 25° 5 | 27°57 | 21°10 | 7°58 | 17°17 | 14°24 | 12°59 | 11°33 | 20°46 | 20°40 | W26 |
| T 27 | 22 53 19 | 11°30'20 | 17°10 | 7°39 | 8°43 | 25°40 | 28° 8 | 21° 5 | 8° 2 | 17°16 | 14°24 | 12°D59 | 11°30 | 20°53 | 20°37 | T 27 |
| F 28 | 22 57 16 | 12°28'49 | 29°27 | 8°18 | 8°39 | 26°15 | 28°19 | 21° 0 | 8° 6 | 17°14 | 14°24 | 12°59 | 11°26 | 21° 0 | 20°34 | F 28 |
| S 29 | 23 1 12 | 13°27'19 | 11♋30 | 8°53 | 8°32 | 26°49 | 28°29 | 20°56 | 8°10 | 17°13 | 14°23 | 13°R 0 | 11°23 | 21° 6 | 20°32 | S 29 |
| S 30 | 23 5 9 | 14°25'52 | 23°23 | 9°24 | 8°23 | 27°23 | 28°41 | 20°51 | 8°13 | 17°12 | 14°23 | 12°59 | 11°20 | 21°13 | 20°29 | S 30 |
| M31 | 23 9 6 | 15♍24'27 | 5♌12 | 9♎50 | 8♎12 | 27♊58 | 28♎52 | 20♓47 | 8♍17 | 17♈10 | 14♉22 | 12♑57 | 11♑17 | 21♌20 | 20♒26 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 0 | 24n35 | 1n 5 | 9n47 | 0n34 | 2s22 | 2s58 | 21n33 | 0s27 | 8s18 | 1n 6 | 5s 4 | 2s25 | 9n52 | 0n44 | 5n20 | 1s45 | 2n 4 | 14s48 | 22s44 | 22s54 | 12n40 | 8s 3 | 6n33 |
| S 2 | 15 42 | 22 44 | 0s 0 | 9 5 | 0 27 | 2 46 | 3 7 | 21 39 | 0 26 | 8 21 | 1 6 | 5 6 | 2 25 | 9 51 | 0 44 | 5 20 | 1 46 | 2 4 | 14 48 | 22 44 | 22 54 | 12 37 | 8 4 | 6 33 |
| M 3 | 15 24 | 19 54 | 1 4 | 8 23 | 0 19 | 3 11 | 3 17 | 21 46 | 0 25 | 8 24 | 1 6 | 5 7 | 2 25 | 9 49 | 0 44 | 5 20 | 1 46 | 2 4 | 14 49 | 22 44 | 22 54 | 12 35 | 8 5 | 6 33 |
| T 4 | 15 6 | 16 15 | 2 6 | 7 42 | 0 11 | 3 35 | 3 26 | 21 52 | 0 24 | 8 28 | 1 5 | 5 9 | 2 25 | 9 48 | 0 44 | 5 19 | 1 46 | 2 3 | 14 49 | 22 44 | 22 55 | 12 32 | 8 6 | 6 33 |
| W 5 | 14 48 | 12 0 | 3 1 | 7 0 | 0 3 | 3 58 | 3 35 | 21 58 | 0 23 | 8 31 | 1 5 | 5 10 | 2 25 | 9 46 | 0 44 | 5 19 | 1 46 | 2 3 | 14 49 | 22 44 | 22 55 | 12 29 | 8 7 | 6 33 |
| T 6 | 14 30 | 7 17 | 3 49 | 6 18 | 0s 5 | 4 21 | 3 45 | 22 4 | 0 22 | 8 35 | 1 5 | 5 12 | 2 26 | 9 45 | 0 44 | 5 19 | 1 46 | 2 3 | 14 49 | 22 45 | 22 55 | 12 26 | 8 8 | 6 33 |
| F 7 | 14 11 | 2 19 | 4 27 | 5 37 | 0 13 | 4 44 | 3 55 | 22 9 | 0 21 | 8 38 | 1 5 | 5 13 | 2 26 | 9 44 | 0 44 | 5 18 | 1 46 | 2 3 | 14 50 | 22 46 | 22 56 | 12 24 | 8 9 | 6 33 |
| S 8 | 13 52 | 2s46 | 4 54 | 4 56 | 0 22 | 5 7 | 4 5 | 22 15 | 0 20 | 8 42 | 1 5 | 5 15 | 2 26 | 9 42 | 0 44 | 5 18 | 1 46 | 2 2 | 14 50 | 22 47 | 22 56 | 12 21 | 8 10 | 6 33 |
| S 9 | 13 33 | 7 48 | 5 8 | 4 16 | 0 30 | 5 28 | 4 14 | 22 20 | 0 19 | 8 45 | 1 4 | 5 17 | 2 26 | 9 41 | 0 44 | 5 18 | 1 46 | 2 2 | 14 50 | 22 47 | 22 56 | 12 18 | 8 11 | 6 33 |
| M10 | 13 14 | 12 36 | 5 8 | 3 35 | 0 39 | 5 50 | 4 24 | 22 25 | 0 18 | 8 49 | 1 4 | 5 18 | 2 26 | 9 40 | 0 44 | 5 17 | 1 46 | 2 2 | 14 51 | 22 48 | 22 56 | 12 16 | 8 12 | 6 33 |
| T 11 | 12 54 | 16 58 | 4 53 | 2 56 | 0 48 | 6 11 | 4 35 | 22 30 | 0 17 | 8 52 | 1 4 | 5 20 | 2 26 | 9 38 | 0 44 | 5 17 | 1 46 | 2 1 | 14 51 | 22 48 | 22 57 | 12 13 | 8 13 | 6 33 |
| W12 | 12 34 | 20 40 | 4 24 | 2 16 | 0 57 | 6 31 | 4 45 | 22 35 | 0 16 | 8 56 | 1 4 | 5 22 | 2 27 | 9 37 | 0 44 | 5 16 | 1 46 | 2 1 | 14 51 | 22 49 | 22 57 | 12 10 | 8 14 | 6 33 |
| T 13 | 12 14 | 23 26 | 3 41 | 1 37 | 1 6 | 6 51 | 4 55 | 22 40 | 0 15 | 9 0 | 1 4 | 5 24 | 2 27 | 9 35 | 0 44 | 5 16 | 1 46 | 2 1 | 14 51 | 22 49 | 22 57 | 12 7 | 8 15 | 6 33 |
| F 14 | 11 54 | 24 59 | 2 45 | 0 59 | 1 15 | 7 10 | 5 5 | 22 44 | 0 14 | 9 3 | 1 3 | 5 25 | 2 27 | 9 34 | 0 44 | 5 16 | 1 46 | 2 0 | 14 52 | 22 49 | 22 58 | 12 5 | 8 16 | 6 33 |
| S 15 | 11 34 | 25 4 | 1 37 | 0 22 | 1 24 | 7 29 | 5 15 | 22 48 | 0 13 | 9 7 | 1 3 | 5 27 | 2 27 | 9 33 | 0 44 | 5 15 | 1 46 | 2 0 | 14 52 | 22 48 | 22 58 | 12 2 | 8 17 | 6 32 |
| S 16 | 11 13 | 23 32 | 0 22 | 0s15 | 1 33 | 7 47 | 5 26 | 22 52 | 0 12 | 9 11 | 1 3 | 5 29 | 2 27 | 9 31 | 0 44 | 5 15 | 1 46 | 2 0 | 14 52 | 22 48 | 22 58 | 11 59 | 8 18 | 6 32 |
| M17 | 10 52 | 20 24 | 0n57 | 0 52 | 1 42 | 8 4 | 5 36 | 22 56 | 0 11 | 9 15 | 1 3 | 5 31 | 2 27 | 9 30 | 0 44 | 5 14 | 1 46 | 2 0 | 14 52 | 22 48 | 22 58 | 11 56 | 8 19 | 6 32 |
| T 18 | 10 32 | 15 52 | 2 13 | 1 27 | 1 51 | 8 20 | 5 46 | 23 0 | 0 10 | 9 18 | 1 3 | 5 32 | 2 28 | 9 28 | 0 44 | 5 14 | 1 46 | 1 59 | 14 53 | 22 49 | 22 59 | 11 54 | 8 20 | 6 32 |
| W19 | 10 10 | 10 15 | 3 21 | 2 1 | 2 0 | 8 36 | 5 56 | 23 4 | 0 9 | 9 22 | 1 2 | 5 34 | 2 28 | 9 27 | 0 44 | 5 13 | 1 46 | 1 59 | 14 53 | 22 49 | 22 59 | 11 51 | 8 21 | 6 32 |
| T 20 | 9 49 | 4 2 | 4 15 | 2 35 | 2 9 | 8 50 | 6 6 | 23 7 | 0 8 | 9 26 | 1 2 | 5 36 | 2 28 | 9 26 | 0 44 | 5 13 | 1 46 | 1 59 | 14 53 | 22 50 | 22 59 | 11 48 | 8 22 | 6 32 |
| F 21 | 9 28 | 2n23 | 4 51 | 3 7 | 2 18 | 9 4 | 6 17 | 23 10 | 0 7 | 9 30 | 1 2 | 5 38 | 2 28 | 9 24 | 0 44 | 5 12 | 1 46 | 1 58 | 14 54 | 22 51 | 23 0 | 11 45 | 8 23 | 6 32 |
| S 22 | 9 6 | 8 31 | 5 6 | 3 39 | 2 27 | 9 17 | 6 27 | 23 13 | 0 6 | 9 34 | 1 2 | 5 40 | 2 28 | 9 23 | 0 44 | 5 12 | 1 47 | 1 58 | 14 54 | 22 51 | 23 0 | 11 43 | 8 24 | 6 31 |
| S 23 | 8 45 | 14 2 | 5 1 | 4 9 | 2 35 | 9 29 | 6 37 | 23 16 | 0 5 | 9 38 | 1 2 | 5 42 | 2 28 | 9 21 | 0 44 | 5 11 | 1 47 | 1 58 | 14 54 | 22 52 | 23 0 | 11 40 | 8 25 | 6 31 |
| M24 | 8 23 | 18 38 | 4 38 | 4 37 | 2 44 | 9 40 | 6 46 | 23 19 | 0 4 | 9 42 | 1 2 | 5 44 | 2 28 | 9 20 | 0 44 | 5 11 | 1 47 | 1 57 | 14 54 | 22 53 | 23 0 | 11 37 | 8 26 | 6 31 |
| T 25 | 8 1 | 22 4 | 4 0 | 5 5 | 2 52 | 9 50 | 6 56 | 23 22 | 0 2 | 9 46 | 1 1 | 5 45 | 2 28 | 9 19 | 0 44 | 5 10 | 1 47 | 1 57 | 14 55 | 22 53 | 23 1 | 11 34 | 8 27 | 6 31 |
| W26 | 7 39 | 24 15 | 3 11 | 5 31 | 3 0 | 9 59 | 7 5 | 23 24 | 0 1 | 9 50 | 1 1 | 5 47 | 2 28 | 9 17 | 0 44 | 5 10 | 1 47 | 1 56 | 14 55 | 22 53 | 23 1 | 11 32 | 8 28 | 6 31 |
| T 27 | 7 16 | 25 7 | 2 14 | 5 55 | 3 7 | 10 6 | 7 14 | 23 27 | 0 0 | 9 54 | 1 1 | 5 49 | 2 29 | 9 16 | 0 44 | 5 9 | 1 47 | 1 56 | 14 55 | 22 53 | 23 1 | 11 29 | 8 29 | 6 31 |
| F 28 | 6 54 | 24 43 | 1 12 | 6 17 | 3 15 | 10 13 | 7 23 | 23 29 | 0n 1 | 9 58 | 1 1 | 5 51 | 2 29 | 9 14 | 0 44 | 5 9 | 1 47 | 1 56 | 14 55 | 22 53 | 23 2 | 11 26 | 8 30 | 6 30 |
| S 29 | 6 32 | 23 9 | 0 8 | 6 37 | 3 22 | 10 18 | 7 32 | 23 31 | 0 2 | 10 2 | 1 1 | 5 53 | 2 29 | 9 13 | 0 44 | 5 8 | 1 47 | 1 55 | 14 56 | 22 53 | 23 2 | 11 23 | 8 31 | 6 30 |
| S 30 | 6 9 | 20 35 | 0s55 | 6 55 | 3 28 | 10 22 | 7 40 | 23 33 | 0 3 | 10 6 | 1 1 | 5 55 | 2 29 | 9 11 | 0 44 | 5 8 | 1 47 | 1 55 | 14 56 | 22 53 | 23 2 | 11 21 | 8 33 | 6 30 |
| M31 | 5n46 | 17n10 | 1s56 | 7s11 | 3s34 | 10s25 | 7s48 | 23n35 | 0n 5 | 10s10 | 1n 0 | 5s57 | 2s29 | 9n10 | 0n44 | 5n 7 | 1s47 | 1n55 | 14s56 | 22s53 | 23s 2 | 11n18 | 8s34 | 6n30 |

Julian Day Number = 2224219.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'29, Lahiri = 15°10'30 Julian Calendar 1 Aug. 1377 == Greg. Calendar 9 Aug. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## SEPTEMBER 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 13 2 | 16♍23'04 | 16♌59 | 10♎10 | 7°R58 | 28♊31 | 29♎ 3 | 20°R42 | 8♍21 | 17°R 9 | 14°R22 | 12°R52 | 11♉14 | 21♌26 | 20°R24 | T 1 |
| W 2 | 23 16 59 | 17°21'43 | 28°49 | 10°26 | 7♎43 | 29° 5 | 29°14 | 20♓37 | 8°25 | 17♈ 7 | 14♉21 | 12♉44 | 11° 11 | 21°33 | 20♒21 | W 2 |
| T 3 | 23 20 55 | 18°20'24 | 10♍43 | 10°36 | 7°24 | 29°39 | 29°26 | 20°33 | 8°28 | 17° 6 | 14°21 | 12°34 | 11° 7 | 21°40 | 20°19 | T 3 |
| F 4 | 23 24 52 | 19°19'07 | 22°44 | 10°R39 | 7° 4 | 0♋12 | 29°37 | 20°28 | 8°32 | 17° 5 | 14°20 | 12°22 | 11° 4 | 21°46 | 20°16 | F 4 |
| S 5 | 23 28 48 | 20°17'52 | 4♎52 | 10°36 | 6°41 | 0°45 | 29°48 | 20°23 | 8°36 | 17° 3 | 14°19 | 12° 9 | 11° 1 | 21°53 | 20°14 | S 5 |
| S 6 | 23 32 45 | 21°16'39 | 17° 9 | 10°26 | 6°17 | 1°18 | 0♏ 0 | 20°18 | 8°39 | 17° 2 | 14°19 | 11°57 | 10°58 | 22° 0 | 20°11 | S 6 |
| M 7 | 23 36 41 | 22°15'28 | 29°35 | 10° 9 | 5°50 | 1°51 | 0°12 | 20°14 | 8°43 | 17° 0 | 14°18 | 11°46 | 10°55 | 22° 6 | 20° 9 | M 7 |
| T 8 | 23 40 38 | 23°14'19 | 12♏12 | 9°45 | 5°21 | 2°24 | 0°23 | 20° 9 | 8°47 | 16°59 | 14°18 | 11°37 | 10°51 | 22°13 | 20° 7 | T 8 |
| W 9 | 23 44 35 | 24°13'12 | 25° 2 | 9°13 | 4°51 | 2°56 | 0°35 | 20° 4 | 8°51 | 16°57 | 14°17 | 11°31 | 10°48 | 22°20 | 20° 4 | W 9 |
| T 10 | 23 48 31 | 25°12'07 | 8♐ 5 | 8°34 | 4°19 | 3°28 | 0°47 | 20° 0 | 8°54 | 16°56 | 14°16 | 11°28 | 10°45 | 22°27 | 20° 2 | T 10 |
| F 11 | 23 52 28 | 26°11'03 | 21°26 | 7°48 | 3°46 | 4° 0 | 0°59 | 19°55 | 8°58 | 16°54 | 14°16 | 11°D27 | 10°42 | 22°33 | 20° 0 | F 11 |
| S 12 | 23 56 24 | 27°10'01 | 5♑ 5 | 6°55 | 3°12 | 4°32 | 1°11 | 19°51 | 9° 2 | 16°53 | 14°15 | 11°R27 | 10°39 | 22°40 | 19°57 | S 12 |
| S 13 | 0 0 21 | 28° 9'01 | 19° 6 | 5°56 | 2°36 | 5° 3 | 1°23 | 19°46 | 9° 5 | 16°51 | 14°14 | 11°27 | 10°36 | 22°47 | 19°55 | S 13 |
| M14 | 0 4 17 | 29° 8'03 | 3♒27 | 4°53 | 2° 0 | 5°34 | 1°35 | 19°41 | 9° 9 | 16°49 | 14°13 | 11°26 | 10°32 | 22°53 | 19°53 | M14 |
| T 15 | 0 8 14 | 0♎ 7'06 | 18° 7 | 3°46 | 1°23 | 6° 5 | 1°47 | 19°37 | 9°12 | 16°48 | 14°13 | 11°22 | 10°29 | 23° 0 | 19°51 | T 15 |
| W16 | 0 12 10 | 1° 6'11 | 3♓ 1 | 2°37 | 0°47 | 6°36 | 1°59 | 19°32 | 9°16 | 16°46 | 14°12 | 11°15 | 10°26 | 23° 7 | 19°49 | W16 |
| T 17 | 0 16 7 | 2° 5'18 | 18° 3 | 1°28 | 0°10 | 7° 7 | 2°11 | 19°28 | 9°20 | 16°45 | 14°11 | 11° 6 | 10°23 | 23°13 | 19°47 | T 17 |
| F 18 | 0 20 4 | 3° 4'27 | 3♈ 2 | 0°20 | 29♍33 | 7°37 | 2°24 | 19°23 | 9°23 | 16°43 | 14°10 | 10°55 | 10°20 | 23°20 | 19°45 | F 18 |
| S 19 | 0 24 0 | 4° 3'38 | 17°50 | 29♍15 | 28°57 | 8° 7 | 2°36 | 19°19 | 9°27 | 16°41 | 14° 9 | 10°44 | 10°17 | 23°27 | 19°43 | S 19 |
| S 20 | 0 27 57 | 5° 2'51 | 2♉17 | 28°16 | 28°21 | 8°37 | 2°48 | 19°14 | 9°30 | 16°40 | 14° 9 | 10°33 | 10°13 | 23°33 | 19°41 | S 20 |
| M21 | 0 31 53 | 6° 2'07 | 16°18 | 27°24 | 27°47 | 9° 7 | 3° 1 | 19°10 | 9°34 | 16°38 | 14° 8 | 10°24 | 10°10 | 23°40 | 19°40 | M21 |
| T 22 | 0 35 50 | 7° 1'25 | 29°51 | 26°41 | 27°14 | 9°36 | 3°13 | 19° 6 | 9°37 | 16°37 | 14° 7 | 10°17 | 10° 7 | 23°47 | 19°38 | T 22 |
| W23 | 0 39 46 | 8° 0'45 | 12♊56 | 26° 7 | 26°42 | 10° 5 | 3°26 | 19° 1 | 9°40 | 16°35 | 14° 6 | 10°13 | 10° 4 | 23°53 | 19°36 | W23 |
| T 24 | 0 43 43 | 9° 0'08 | 25°35 | 25°43 | 26°11 | 10°34 | 3°38 | 18°57 | 9°44 | 16°33 | 14° 5 | 10°12 | 10° 1 | 24° 0 | 19°35 | T 24 |
| F 25 | 0 47 39 | 9°59'33 | 7♋54 | 25°30 | 25°43 | 11° 3 | 3°51 | 18°53 | 9°47 | 16°32 | 14° 4 | 10°11 | 9°57 | 24° 7 | 19°33 | F 25 |
| S 26 | 0 51 36 | 10°59'00 | 19°57 | 25°D28 | 25°16 | 11°31 | 4° 3 | 18°49 | 9°51 | 16°30 | 14° 3 | 10°11 | 9°54 | 24°13 | 19°31 | S 26 |
| S 27 | 0 55 33 | 11°58'29 | 1♌50 | 25°36 | 24°52 | 11°59 | 4°16 | 18°45 | 9°54 | 16°28 | 14° 2 | 10°10 | 9°51 | 24°20 | 19°30 | S 27 |
| M28 | 0 59 29 | 12°58'01 | 13°39 | 25°56 | 24°29 | 12°26 | 4°29 | 18°40 | 9°57 | 16°27 | 14° 2 | 10° 7 | 9°48 | 24°27 | 19°28 | M28 |
| T 29 | 1 3 26 | 13°57'35 | 25°27 | 26°25 | 24° 9 | 12°54 | 4°42 | 18°36 | 10° 1 | 16°25 | 14° 1 | 10° 2 | 9°45 | 24°33 | 19°27 | T 29 |
| W30 | 1 7 22 | 14♎57'11 | 7♍20 | 27♍ 4 | 23♍51 | 13♋21 | 4♏54 | 18♓33 | 10♍ 4 | 16♈23 | 14♉ 0 | 9♑53 | 9♑42 | 24♌40 | 19♒26 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n23 | 13n 5 | 2s51 | 7s24 | 3s39 | 10s26 | 7s55 | 23n36 | 0n 6 | 10s14 | 1n 0 | 5s59 | 2s29 | 9n 9 | 0n44 | 5n 7 | 1s47 | 1n54 | 14s56 | 22s54 | 23s 3 | 11n15 | 8s35 | 6n29 |
| W 2 | 5 1 | 8 30 | 3 39 | 7 34 | 3 44 | 10 26 | 8 2 | 23 38 | 0 7 | 10 18 | 1 0 | 6 1 | 2 29 | 9 7 | 0 44 | 5 6 | 1 47 | 1 54 | 14 57 | 22 55 | 23 3 | 11 12 | 8 36 | 6 29 |
| T 3 | 4 38 | 3 36 | 4 17 | 7 42 | 3 48 | 10 24 | 8 8 | 23 39 | 0 8 | 10 22 | 1 0 | 6 3 | 2 29 | 9 6 | 0 44 | 5 6 | 1 47 | 1 54 | 14 57 | 22 56 | 23 3 | 11 10 | 8 37 | 6 29 |
| F 4 | 4 15 | 1s28 | 4 45 | 7 46 | 3 51 | 10 21 | 8 13 | 23 41 | 0 9 | 10 27 | 1 0 | 6 4 | 2 29 | 9 4 | 0 44 | 5 5 | 1 47 | 1 53 | 14 57 | 22 57 | 23 3 | 11 7 | 8 38 | 6 29 |
| S 5 | 3 51 | 6 31 | 4 59 | 7 46 | 3 52 | 10 17 | 8 18 | 23 42 | 0 11 | 10 31 | 1 0 | 6 6 | 2 29 | 9 3 | 0 44 | 5 4 | 1 47 | 1 53 | 14 57 | 22 58 | 23 4 | 11 4 | 8 39 | 6 28 |
| S 6 | 3 28 | 11 23 | 5 1 | 7 43 | 3 53 | 10 11 | 8 23 | 23 43 | 0 12 | 10 35 | 0 59 | 6 8 | 2 29 | 9 2 | 0 44 | 5 4 | 1 47 | 1 52 | 14 57 | 22 59 | 23 4 | 11 1 | 8 40 | 6 28 |
| M 7 | 3 5 | 15 50 | 4 48 | 7 36 | 3 52 | 10 4 | 8 26 | 23 44 | 0 13 | 10 39 | 0 59 | 6 10 | 2 29 | 9 0 | 0 44 | 5 3 | 1 47 | 1 52 | 14 58 | 23 0 | 23 4 | 10 59 | 8 41 | 6 28 |
| T 8 | 2 42 | 19 41 | 4 20 | 7 24 | 3 50 | 9 55 | 8 29 | 23 44 | 0 14 | 10 43 | 0 59 | 6 12 | 2 29 | 8 59 | 0 44 | 5 3 | 1 47 | 1 52 | 14 58 | 23 1 | 23 5 | 10 56 | 8 42 | 6 28 |
| W 9 | 2 18 | 22 38 | 3 40 | 7 8 | 3 47 | 9 44 | 8 31 | 23 45 | 0 16 | 10 48 | 0 59 | 6 14 | 2 29 | 8 58 | 0 44 | 5 2 | 1 47 | 1 51 | 14 58 | 23 1 | 23 5 | 10 53 | 8 43 | 6 27 |
| T 10 | 1 55 | 24 29 | 2 47 | 6 48 | 3 41 | 9 33 | 8 32 | 23 46 | 0 17 | 10 52 | 0 59 | 6 16 | 2 29 | 8 56 | 0 44 | 5 1 | 1 47 | 1 51 | 14 58 | 23 1 | 23 5 | 10 50 | 8 44 | 6 27 |
| F 11 | 1 31 | 24 58 | 1 44 | 6 23 | 3 34 | 9 20 | 8 32 | 23 46 | 0 18 | 10 56 | 0 59 | 6 18 | 2 29 | 8 55 | 0 44 | 5 1 | 1 47 | 1 50 | 14 59 | 23 2 | 23 5 | 10 47 | 8 45 | 6 27 |
| S 12 | 1 8 | 23 59 | 0 34 | 5 54 | 3 25 | 9 5 | 8 32 | 23 46 | 0 20 | 11 0 | 0 59 | 6 19 | 2 29 | 8 53 | 0 44 | 5 0 | 1 47 | 1 50 | 14 59 | 23 2 | 23 6 | 10 45 | 8 45 | 6 26 |
| S 13 | 0 44 | 21 29 | 0n40 | 5 20 | 3 14 | 8 50 | 8 30 | 23 47 | 0 21 | 11 5 | 0 59 | 6 21 | 2 29 | 8 52 | 0 44 | 5 0 | 1 47 | 1 50 | 14 59 | 23 2 | 23 6 | 10 42 | 8 46 | 6 26 |
| M14 | 0 21 | 17 36 | 1 54 | 4 43 | 3 2 | 8 33 | 8 28 | 23 47 | 0 23 | 11 9 | 0 58 | 6 23 | 2 29 | 8 51 | 0 44 | 4 59 | 1 47 | 1 49 | 14 59 | 23 2 | 23 6 | 10 39 | 8 47 | 6 26 |
| T 15 | 0s 3 | 12 35 | 3 1 | 4 3 | 2 47 | 8 15 | 8 24 | 23 47 | 0 24 | 11 13 | 0 58 | 6 25 | 2 29 | 8 49 | 0 44 | 4 58 | 1 47 | 1 49 | 14 59 | 23 2 | 23 6 | 10 36 | 8 48 | 6 26 |
| W16 | 0 26 | 6 45 | 3 57 | 3 20 | 2 30 | 7 57 | 8 20 | 23 47 | 0 25 | 11 18 | 0 58 | 6 27 | 2 29 | 8 48 | 0 44 | 4 58 | 1 47 | 1 49 | 15 0 | 23 3 | 23 7 | 10 34 | 8 49 | 6 25 |
| T 17 | 0 50 | 0 30 | 4 37 | 2 36 | 2 13 | 7 37 | 8 14 | 23 46 | 0 27 | 11 22 | 0 58 | 6 28 | 2 29 | 8 47 | 0 44 | 4 57 | 1 47 | 1 48 | 15 0 | 23 3 | 23 7 | 10 31 | 8 50 | 6 25 |
| F 18 | 1 14 | 5n46 | 4 58 | 1 52 | 1 53 | 7 17 | 8 8 | 23 46 | 0 28 | 11 26 | 0 58 | 6 30 | 2 29 | 8 45 | 0 44 | 4 56 | 1 47 | 1 48 | 15 0 | 23 4 | 23 7 | 10 28 | 8 51 | 6 25 |
| S 19 | 1 37 | 11 36 | 4 58 | 1 8 | 1 34 | 6 56 | 8 1 | 23 46 | 0 30 | 11 31 | 0 58 | 6 32 | 2 29 | 8 44 | 0 44 | 4 56 | 1 47 | 1 47 | 15 0 | 23 5 | 23 7 | 10 25 | 8 52 | 6 24 |
| S 20 | 2 1 | 16 40 | 4 40 | 0 26 | 1 13 | 6 34 | 7 53 | 23 45 | 0 31 | 11 35 | 0 58 | 6 34 | 2 29 | 8 43 | 0 44 | 4 55 | 1 47 | 1 47 | 15 0 | 23 6 | 23 8 | 10 22 | 8 53 | 6 24 |
| M21 | 2 24 | 20 40 | 4 4 | 0n14 | 0 53 | 6 13 | 7 45 | 23 45 | 0 32 | 11 39 | 0 58 | 6 35 | 2 29 | 8 41 | 0 44 | 4 54 | 1 47 | 1 47 | 15 0 | 23 7 | 23 8 | 10 20 | 8 54 | 6 24 |
| T 22 | 2 48 | 23 23 | 3 16 | 0 50 | 0 32 | 5 51 | 7 35 | 23 44 | 0 34 | 11 44 | 0 57 | 6 37 | 2 29 | 8 40 | 0 44 | 4 54 | 1 47 | 1 46 | 15 1 | 23 7 | 23 8 | 10 17 | 8 55 | 6 23 |
| W23 | 3 11 | 24 43 | 2 19 | 1 21 | 0 13 | 5 29 | 7 25 | 23 44 | 0 35 | 11 48 | 0 57 | 6 39 | 2 29 | 8 39 | 0 44 | 4 53 | 1 47 | 1 46 | 15 1 | 23 8 | 23 8 | 10 14 | 8 55 | 6 23 |
| T 24 | 3 35 | 24 43 | 1 17 | 1 48 | 0n 6 | 5 7 | 7 14 | 23 43 | 0 37 | 11 52 | 0 57 | 6 40 | 2 29 | 8 38 | 0 44 | 4 53 | 1 47 | 1 45 | 15 1 | 23 8 | 23 8 | 10 11 | 8 56 | 6 23 |
| F 25 | 3 58 | 23 29 | 0 12 | 2 10 | 0 24 | 4 45 | 7 3 | 23 42 | 0 39 | 11 57 | 0 57 | 6 42 | 2 29 | 8 36 | 0 44 | 4 52 | 1 47 | 1 45 | 15 1 | 23 8 | 23 9 | 10 8 | 8 57 | 6 22 |
| S 26 | 4 22 | 21 11 | 0s51 | 2 25 | 0 40 | 4 24 | 6 51 | 23 41 | 0 40 | 12 1 | 0 57 | 6 43 | 2 29 | 8 35 | 0 44 | 4 51 | 1 47 | 1 45 | 15 1 | 23 8 | 23 9 | 10 6 | 8 58 | 6 22 |
| S 27 | 4 45 | 18 0 | 1 52 | 2 35 | 0 55 | 4 3 | 6 39 | 23 40 | 0 42 | 12 6 | 0 57 | 6 45 | 2 29 | 8 34 | 0 44 | 4 51 | 1 47 | 1 44 | 15 1 | 23 8 | 23 9 | 10 3 | 8 59 | 6 21 |
| M28 | 5 8 | 14 7 | 2 47 | 2 40 | 1 8 | 3 42 | 6 26 | 23 39 | 0 43 | 12 10 | 0 57 | 6 46 | 2 29 | 8 33 | 0 44 | 4 50 | 1 47 | 1 44 | 15 1 | 23 8 | 23 9 | 10 0 | 9 0 | 6 21 |
| T 29 | 5 31 | 9 42 | 3 35 | 2 39 | 1 20 | 3 22 | 6 13 | 23 38 | 0 45 | 12 14 | 0 57 | 6 48 | 2 29 | 8 31 | 0 44 | 4 49 | 1 47 | 1 43 | 15 2 | 23 8 | 23 10 | 9 57 | 9 0 | 6 21 |
| W30 | 5s55 | 4n55 | 4s14 | 2n33 | 1n31 | 3s 3 | 6s 0 | 23n37 | 0n46 | 12s19 | 0n57 | 6s49 | 2s29 | 8n30 | 0n44 | 4n49 | 1s48 | 1n43 | 15s 2 | 23s 9 | 23s10 | 9n55 | 9s 1 | 6n20 |

Julian Day Number = 2224250.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'34, Lahiri = 15°10'34 Julian Calendar 1 Sept. 1377 == Greg. Calendar 9 Sept. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## OCTOBER 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 11 19 | 15♎56'50 | 19♍21 | 27♍51 | 23°R36 | 13♋48 | 5♏ 7 | 18°R29 | 10♍ 7 | 16°R21 | 13°R59 | 9°R42 | 9♑38 | 24♌47 | 19°R25 | T 1 |
| F 2 | 1 15 15 | 16°56'30 | 1♎31 | 28°46 | 23♍22 | 14°14 | 5°20 | 18♓25 | 10°10 | 16♈20 | 13♉58 | 9♑29 | 9°35 | 24°54 | 19♒23 | F 2 |
| S 3 | 1 19 12 | 17°56'13 | 13°52 | 29°48 | 23°12 | 14°40 | 5°33 | 18°21 | 10°14 | 16°18 | 13°57 | 9°15 | 9°32 | 25° 0 | 19°22 | S 3 |
| S 4 | 1 23 8 | 18°55'58 | 26°24 | 0♎57 | 23° 3 | 15° 6 | 5°46 | 18°17 | 10°17 | 16°16 | 13°56 | 9° 1 | 9°29 | 25° 7 | 19°21 | S 4 |
| M 5 | 1 27 5 | 19°55'45 | 9♏ 8 | 2°10 | 22°58 | 15°32 | 5°59 | 18°14 | 10°20 | 16°15 | 13°55 | 8°49 | 9°26 | 25°14 | 19°20 | M 5 |
| T 6 | 1 31 1 | 20°55'34 | 22° 2 | 3°28 | 22°54 | 15°57 | 6°12 | 18°10 | 10°23 | 16°13 | 13°54 | 8°39 | 9°22 | 25°20 | 19°19 | T 6 |
| W 7 | 1 34 58 | 21°55'24 | 5♐ 8 | 4°51 | 22°D53 | 16°21 | 6°25 | 18° 7 | 10°26 | 16°11 | 13°53 | 8°32 | 9°19 | 25°27 | 19°18 | W 7 |
| T 8 | 1 38 55 | 22°55'17 | 18°24 | 6°16 | 22°55 | 16°46 | 6°38 | 18° 3 | 10°29 | 16°10 | 13°52 | 8°28 | 9°16 | 25°34 | 19°17 | T 8 |
| F 9 | 1 42 51 | 23°55'11 | 1♑53 | 7°44 | 22°59 | 17°10 | 6°51 | 18° 0 | 10°32 | 16° 8 | 13°51 | 8°27 | 9°13 | 25°40 | 19°16 | F 9 |
| S 10 | 1 46 48 | 24°55'07 | 15°33 | 9°15 | 23° 5 | 17°34 | 7° 4 | 17°57 | 10°35 | 16° 6 | 13°50 | 8°D27 | 9°10 | 25°47 | 19°16 | S 10 |
| S 11 | 1 50 44 | 25°55'05 | 29°27 | 10°48 | 23°13 | 17°57 | 7°17 | 17°53 | 10°38 | 16° 5 | 13°48 | 8°R27 | 9° 7 | 25°54 | 19°15 | S 11 |
| M12 | 1 54 41 | 26°55'04 | 13♒35 | 12°22 | 23°24 | 18°20 | 7°30 | 17°50 | 10°41 | 16° 3 | 13°47 | 8°26 | 9° 3 | 26° 0 | 19°14 | M12 |
| T 13 | 1 58 37 | 27°55'04 | 27°56 | 13°57 | 23°36 | 18°42 | 7°43 | 17°47 | 10°44 | 16° 1 | 13°46 | 8°23 | 9° 0 | 26° 7 | 19°14 | T 13 |
| W14 | 2 2 34 | 28°55'07 | 12♓27 | 15°33 | 23°51 | 19° 4 | 7°57 | 17°44 | 10°47 | 16° 0 | 13°45 | 8°17 | 8°57 | 26°14 | 19°13 | W14 |
| T 15 | 2 6 30 | 29°55'11 | 27° 4 | 17°10 | 24° 8 | 19°26 | 8°10 | 17°42 | 10°49 | 15°58 | 13°44 | 8° 9 | 8°54 | 26°20 | 19°13 | T 15 |
| F 16 | 2 10 27 | 0♏55'16 | 11♈40 | 18°48 | 24°27 | 19°47 | 8°23 | 17°39 | 10°52 | 15°57 | 13°43 | 7°59 | 8°51 | 26°27 | 19°13 | F 16 |
| S 17 | 2 14 24 | 1°55'24 | 26° 8 | 20°26 | 24°48 | 20° 8 | 8°36 | 17°36 | 10°55 | 15°55 | 13°42 | 7°48 | 8°48 | 26°34 | 19°12 | S 17 |
| S 18 | 2 18 20 | 2°55'33 | 10♉21 | 22° 4 | 25°11 | 20°29 | 8°49 | 17°34 | 10°58 | 15°53 | 13°41 | 7°38 | 8°44 | 26°41 | 19°12 | S 18 |
| M19 | 2 22 17 | 3°55'44 | 24°14 | 23°42 | 25°35 | 20°49 | 9° 3 | 17°31 | 11° 0 | 15°52 | 13°40 | 7°29 | 8°41 | 26°47 | 19°12 | M19 |
| T 20 | 2 26 13 | 4°55'57 | 7♊43 | 25°20 | 26° 2 | 21° 8 | 9°16 | 17°29 | 11° 3 | 15°50 | 13°39 | 7°23 | 8°38 | 26°54 | 19°12 | T 20 |
| W21 | 2 30 10 | 5°56'13 | 20°47 | 26°59 | 26°30 | 21°27 | 9°29 | 17°26 | 11° 5 | 15°49 | 13°38 | 7°19 | 8°35 | 27° 1 | 19°12 | W21 |
| T 22 | 2 34 6 | 6°56'30 | 3♋28 | 28°37 | 26°59 | 21°46 | 9°42 | 17°24 | 11° 8 | 15°47 | 13°36 | 7°D18 | 8°32 | 27° 7 | 19°D12 | T 22 |
| F 23 | 2 38 3 | 7°56'49 | 15°49 | 0♏15 | 27°30 | 22° 4 | 9°56 | 17°22 | 11°10 | 15°46 | 13°35 | 7°18 | 8°28 | 27°14 | 19°12 | F 23 |
| S 24 | 2 41 59 | 8°57'10 | 27°55 | 1°52 | 28° 3 | 22°22 | 10° 9 | 17°20 | 11°13 | 15°44 | 13°34 | 7°19 | 8°25 | 27°21 | 19°12 | S 24 |
| S 25 | 2 45 56 | 9°57'33 | 9♌50 | 3°30 | 28°37 | 22°39 | 10°22 | 17°18 | 11°15 | 15°43 | 13°33 | 7°R19 | 8°22 | 27°27 | 19°12 | S 25 |
| M26 | 2 49 53 | 10°57'58 | 21°40 | 5° 7 | 29°13 | 22°55 | 10°35 | 17°16 | 11°18 | 15°41 | 13°32 | 7°19 | 8°19 | 27°34 | 19°12 | M26 |
| T 27 | 2 53 49 | 11°58'25 | 3♍31 | 6°44 | 29°50 | 23°12 | 10°49 | 17°15 | 11°20 | 15°40 | 13°31 | 7°16 | 8°16 | 27°41 | 19°12 | T 27 |
| W28 | 2 57 46 | 12°58'53 | 15°26 | 8°21 | 0♎28 | 23°27 | 11° 2 | 17°13 | 11°22 | 15°38 | 13°30 | 7°11 | 8°13 | 27°47 | 19°13 | W28 |
| T 29 | 3 1 42 | 13°59'24 | 27°31 | 9°58 | 1° 8 | 23°42 | 11°15 | 17°11 | 11°24 | 15°37 | 13°29 | 7° 4 | 8° 9 | 27°54 | 19°13 | T 29 |
| F 30 | 3 5 39 | 14°59'56 | 9♎48 | 11°34 | 1°49 | 23°56 | 11°29 | 17°10 | 11°27 | 15°35 | 13°27 | 6°55 | 8° 6 | 28° 1 | 19°14 | F 30 |
| S 31 | 3 9 35 | 16♏ 0'30 | 22♎20 | 13♏10 | 2♎31 | 24♋10 | 11♏42 | 17♓ 9 | 11♍29 | 15♈34 | 13♉26 | 6♑45 | 8♑ 3 | 28♌ 7 | 19♒14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s18 | 0s 5 | 4s42 | 2n22 | 1n39 | 2s44 | 5s46 | 23n36 | 0n48 | 12s23 | 0n56 | 6s51 | 2s28 | 8n29 | 0n44 | 4n48 | 1s48 | 1n43 | 15s 2 | 23s10 | 23s10 | 9n52 | 9s 2 | 6n20 |
| F 2 | 6 41 | 5 9 | 4 57 | 2 7 | 1 47 | 2 27 | 5 32 | 23 35 | 0 50 | 12 28 | 0 56 | 6 52 | 2 28 | 8 28 | 0 44 | 4 47 | 1 48 | 1 42 | 15 2 | 23 11 | 23 10 | 9 49 | 9 3 | 6 20 |
| S 3 | 7 4 | 10 4 | 4 59 | 1 48 | 1 53 | 2 10 | 5 18 | 23 34 | 0 51 | 12 32 | 0 56 | 6 54 | 2 28 | 8 27 | 0 44 | 4 47 | 1 48 | 1 42 | 15 2 | 23 12 | 23 11 | 9 46 | 9 3 | 6 19 |
| S 4 | 7 26 | 14 40 | 4 47 | 1 25 | 1 57 | 1 54 | 5 4 | 23 32 | 0 53 | 12 36 | 0 56 | 6 55 | 2 28 | 8 25 | 0 44 | 4 46 | 1 48 | 1 41 | 15 2 | 23 13 | 23 11 | 9 43 | 9 4 | 6 19 |
| M 5 | 7 49 | 18 41 | 4 20 | 0 59 | 2 1 | 1 39 | 4 50 | 23 31 | 0 55 | 12 41 | 0 56 | 6 56 | 2 28 | 8 24 | 0 44 | 4 45 | 1 48 | 1 41 | 15 2 | 23 14 | 23 11 | 9 41 | 9 5 | 6 18 |
| T 6 | 8 12 | 21 52 | 3 39 | 0 30 | 2 3 | 1 24 | 4 37 | 23 30 | 0 56 | 12 45 | 0 56 | 6 58 | 2 28 | 8 23 | 0 44 | 4 45 | 1 48 | 1 41 | 15 2 | 23 14 | 23 11 | 9 38 | 9 5 | 6 18 |
| W 7 | 8 34 | 23 57 | 2 47 | 0s 2 | 2 4 | 1 11 | 4 23 | 23 29 | 0 58 | 12 49 | 0 56 | 6 59 | 2 28 | 8 22 | 0 44 | 4 44 | 1 48 | 1 40 | 15 3 | 23 15 | 23 12 | 9 35 | 9 6 | 6 18 |
| T 8 | 8 56 | 24 44 | 1 44 | 0 35 | 2 5 | 0 59 | 4 9 | 23 27 | 1 0 | 12 54 | 0 56 | 7 0 | 2 28 | 8 21 | 0 44 | 4 43 | 1 48 | 1 40 | 15 3 | 23 15 | 23 12 | 9 32 | 9 7 | 6 17 |
| F 9 | 9 19 | 24 5 | 0 35 | 1 11 | 2 4 | 0 48 | 3 55 | 23 26 | 1 2 | 12 58 | 0 56 | 7 1 | 2 28 | 8 20 | 0 44 | 4 43 | 1 47 | 1 40 | 15 3 | 23 15 | 23 12 | 9 29 | 9 7 | 6 17 |
| S 10 | 9 41 | 21 59 | 0n38 | 1 48 | 2 3 | 0 38 | 3 41 | 23 25 | 1 4 | 13 3 | 0 56 | 7 3 | 2 27 | 8 19 | 0 44 | 4 42 | 1 47 | 1 39 | 15 3 | 23 15 | 23 12 | 9 27 | 9 8 | 6 16 |
| S 11 | 10 3 | 18 33 | 1 49 | 2 26 | 2 1 | 0 29 | 3 28 | 23 24 | 1 5 | 13 7 | 0 56 | 7 4 | 2 27 | 8 17 | 0 45 | 4 42 | 1 47 | 1 39 | 15 3 | 23 15 | 23 12 | 9 24 | 9 8 | 6 16 |
| M12 | 10 25 | 14 0 | 2 55 | 3 5 | 1 58 | 0 21 | 3 15 | 23 22 | 1 7 | 13 11 | 0 56 | 7 5 | 2 27 | 8 16 | 0 45 | 4 41 | 1 47 | 1 38 | 15 3 | 23 15 | 23 13 | 9 21 | 9 9 | 6 16 |
| T 13 | 10 46 | 8 37 | 3 51 | 3 45 | 1 55 | 0 14 | 3 2 | 23 21 | 1 9 | 13 16 | 0 55 | 7 6 | 2 27 | 8 15 | 0 45 | 4 40 | 1 47 | 1 38 | 15 3 | 23 15 | 23 13 | 9 18 | 9 10 | 6 15 |
| W14 | 11 8 | 2 43 | 4 33 | 4 26 | 1 51 | 0 8 | 2 49 | 23 20 | 1 11 | 13 20 | 0 55 | 7 7 | 2 27 | 8 14 | 0 45 | 4 40 | 1 47 | 1 38 | 15 3 | 23 16 | 23 13 | 9 15 | 9 10 | 6 15 |
| T 15 | 11 29 | 3n22 | 4 57 | 5 7 | 1 47 | 0 3 | 2 36 | 23 19 | 1 13 | 13 24 | 0 55 | 7 8 | 2 27 | 8 13 | 0 45 | 4 39 | 1 47 | 1 37 | 15 3 | 23 16 | 23 13 | 9 12 | 9 11 | 6 14 |
| F 16 | 11 50 | 9 15 | 5 2 | 5 49 | 1 42 | 0n 1 | 2 24 | 23 17 | 1 15 | 13 29 | 0 55 | 7 9 | 2 27 | 8 12 | 0 45 | 4 38 | 1 47 | 1 37 | 15 3 | 23 17 | 23 13 | 9 10 | 9 11 | 6 14 |
| S 17 | 12 11 | 14 35 | 4 47 | 6 30 | 1 37 | 0 4 | 2 11 | 23 16 | 1 17 | 13 33 | 0 55 | 7 10 | 2 26 | 8 11 | 0 45 | 4 38 | 1 47 | 1 37 | 15 3 | 23 17 | 23 14 | 9 7 | 9 12 | 6 13 |
| S 18 | 12 32 | 19 0 | 4 15 | 7 12 | 1 32 | 0 6 | 1 59 | 23 15 | 1 19 | 13 37 | 0 55 | 7 11 | 2 26 | 8 10 | 0 45 | 4 37 | 1 47 | 1 36 | 15 3 | 23 18 | 23 14 | 9 4 | 9 12 | 6 13 |
| M19 | 12 52 | 22 15 | 3 28 | 7 53 | 1 27 | 0 7 | 1 48 | 23 14 | 1 21 | 13 41 | 0 55 | 7 11 | 2 26 | 8 9 | 0 45 | 4 37 | 1 47 | 1 36 | 15 3 | 23 18 | 23 14 | 9 1 | 9 13 | 6 13 |
| T 20 | 13 13 | 24 9 | 2 31 | 8 35 | 1 21 | 0 7 | 1 36 | 23 13 | 1 23 | 13 46 | 0 55 | 7 12 | 2 26 | 8 8 | 0 45 | 4 36 | 1 47 | 1 36 | 15 3 | 23 19 | 23 14 | 8 58 | 9 13 | 6 12 |
| W21 | 13 33 | 24 39 | 1 27 | 9 16 | 1 15 | 0 6 | 1 25 | 23 12 | 1 25 | 13 50 | 0 55 | 7 13 | 2 26 | 8 7 | 0 45 | 4 36 | 1 47 | 1 35 | 15 3 | 23 19 | 23 15 | 8 56 | 9 14 | 6 12 |
| T 22 | 13 53 | 23 49 | 0 20 | 9 57 | 1 9 | 0 4 | 1 14 | 23 11 | 1 27 | 13 54 | 0 55 | 7 14 | 2 26 | 8 6 | 0 45 | 4 35 | 1 47 | 1 35 | 15 3 | 23 19 | 23 15 | 8 53 | 9 14 | 6 11 |
| F 23 | 14 12 | 21 50 | 0s46 | 10 37 | 1 2 | 0 1 | 1 3 | 23 10 | 1 29 | 13 58 | 0 55 | 7 14 | 2 25 | 8 5 | 0 45 | 4 34 | 1 47 | 1 35 | 15 3 | 23 19 | 23 15 | 8 50 | 9 14 | 6 11 |
| S 24 | 14 32 | 18 53 | 1 48 | 11 17 | 0 56 | 0s 2 | 0 53 | 23 9 | 1 31 | 14 3 | 0 55 | 7 15 | 2 25 | 8 5 | 0 45 | 4 34 | 1 47 | 1 34 | 15 3 | 23 19 | 23 15 | 8 47 | 9 15 | 6 11 |
| S 25 | 14 51 | 15 11 | 2 45 | 11 57 | 0 50 | 0 6 | 0 43 | 23 9 | 1 33 | 14 7 | 0 55 | 7 15 | 2 25 | 8 4 | 0 45 | 4 33 | 1 47 | 1 34 | 15 3 | 23 19 | 23 15 | 8 44 | 9 15 | 6 10 |
| M26 | 15 10 | 10 56 | 3 35 | 12 36 | 0 43 | 0 12 | 0 33 | 23 8 | 1 36 | 14 11 | 0 55 | 7 16 | 2 25 | 8 3 | 0 45 | 4 33 | 1 47 | 1 34 | 15 3 | 23 19 | 23 16 | 8 42 | 9 15 | 6 10 |
| T 27 | 15 29 | 6 17 | 4 15 | 13 14 | 0 36 | 0 18 | 0 24 | 23 8 | 1 38 | 14 15 | 0 55 | 7 17 | 2 25 | 8 2 | 0 45 | 4 32 | 1 47 | 1 33 | 15 3 | 23 19 | 23 16 | 8 39 | 9 16 | 6 9 |
| W28 | 15 47 | 1 23 | 4 45 | 13 52 | 0 30 | 0 24 | 0 14 | 23 7 | 1 40 | 14 19 | 0 55 | 7 17 | 2 25 | 8 1 | 0 45 | 4 32 | 1 47 | 1 33 | 15 3 | 23 20 | 23 16 | 8 36 | 9 16 | 6 9 |
| T 29 | 16 5 | 3s37 | 5 2 | 14 29 | 0 23 | 0 32 | 0 5 | 23 7 | 1 42 | 14 24 | 0 54 | 7 17 | 2 24 | 8 0 | 0 45 | 4 31 | 1 47 | 1 33 | 15 3 | 23 20 | 23 16 | 8 33 | 9 16 | 6 8 |
| F 30 | 16 23 | 8 34 | 5 6 | 15 6 | 0 16 | 0 40 | 0n 4 | 23 6 | 1 44 | 14 28 | 0 54 | 7 18 | 2 24 | 8 0 | 0 45 | 4 31 | 1 47 | 1 33 | 15 3 | 23 20 | 23 16 | 8 30 | 9 16 | 6 8 |
| S 31 | 16s41 | 13s17 | 4s55 | 15s42 | 0n 9 | 0s49 | 0n12 | 23n 6 | 1n47 | 14s32 | 0n54 | 7s18 | 2s24 | 7n59 | 0n45 | 4n30 | 1s47 | 1n32 | 15s 3 | 23s21 | 23s16 | 8n27 | 9s17 | 6n 8 |

Julian Day Number = 2224280.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'38, Lahiri = 15°10'38 Julian Calendar 1 Oct. 1377 == Greg. Calendar 9 Oct. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## NOVEMBER 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 13 32 | 17♏ 1'06 | 5♏ 7 | 14♏46 | 3♎14 | 24♋23 | 11♏55 | 17°R 7 | 11♍31 | 15°R32 | 13°R25 | 6°R36 | 8♑ 0 | 28♘14 | 19♒15 | S 1 |
| M 2 | 3 17 28 | 18° 1'44 | 18°10 | 16°21 | 3°58 | 24°36 | 12° 8 | 17♓ 6 | 11°33 | 15♈31 | 13♉24 | 6♑27 | 7°57 | 28°21 | 19°16 | M 2 |
| T 3 | 3 21 25 | 19° 2'23 | 1♐27 | 17°57 | 4°43 | 24°48 | 12°22 | 17° 5 | 11°35 | 15°30 | 13°23 | 6°20 | 7°54 | 28°28 | 19°16 | T 3 |
| W 4 | 3 25 22 | 20° 3'03 | 14°57 | 19°32 | 5°29 | 25° 0 | 12°35 | 17° 4 | 11°37 | 15°28 | 13°22 | 6°16 | 7°50 | 28°34 | 19°17 | W 4 |
| T 5 | 3 29 18 | 21° 3'45 | 28°37 | 21° 7 | 6°16 | 25°10 | 12°48 | 17° 4 | 11°39 | 15°27 | 13°21 | 6°14 | 7°47 | 28°41 | 19°18 | T 5 |
| F 6 | 3 33 15 | 22° 4'28 | 12♑25 | 22°41 | 7° 4 | 25°20 | 13° 1 | 17° 3 | 11°40 | 15°26 | 13°20 | 6°D14 | 7°44 | 28°48 | 19°19 | F 6 |
| S 7 | 3 37 11 | 23° 5'12 | 26°21 | 24°16 | 7°53 | 25°30 | 13°15 | 17° 2 | 11°42 | 15°25 | 13°18 | 6°15 | 7°41 | 28°54 | 19°20 | S 7 |
| S 8 | 3 41 8 | 24° 5'58 | 10♒22 | 25°50 | 8°43 | 25°39 | 13°28 | 17° 2 | 11°44 | 15°23 | 13°17 | 6°16 | 7°38 | 29° 1 | 19°21 | S 8 |
| M 9 | 3 45 4 | 25° 6'44 | 24°29 | 27°24 | 9°33 | 25°47 | 13°41 | 17° 2 | 11°46 | 15°22 | 13°16 | 6°R17 | 7°34 | 29° 8 | 19°22 | M 9 |
| T 10 | 3 49 1 | 26° 7'31 | 8♓39 | 28°59 | 10°25 | 25°54 | 13°54 | 17° 1 | 11°47 | 15°21 | 13°15 | 6°16 | 7°31 | 29°14 | 19°23 | T 10 |
| W11 | 3 52 57 | 27° 8'19 | 22°50 | 0♐33 | 11°17 | 26° 1 | 14° 7 | 17° 1 | 11°49 | 15°20 | 13°14 | 6°14 | 7°28 | 29°21 | 19°24 | W11 |
| T 12 | 3 56 54 | 28° 9'08 | 7♈ 2 | 2° 7 | 12° 9 | 26° 7 | 14°20 | 17°D 1 | 11°50 | 15°19 | 13°13 | 6° 9 | 7°25 | 29°28 | 19°26 | T 12 |
| F 13 | 4 0 51 | 29° 9'58 | 21° 9 | 3°40 | 13° 3 | 26°12 | 14°33 | 17° 1 | 11°52 | 15°18 | 13°12 | 6° 4 | 7°22 | 29°34 | 19°27 | F 13 |
| S 14 | 4 4 47 | 0♐10'49 | 5♉ 8 | 5°14 | 13°57 | 26°17 | 14°46 | 17° 1 | 11°53 | 15°16 | 13°11 | 5°58 | 7°19 | 29°41 | 19°28 | S 14 |
| S 15 | 4 8 44 | 1°11'41 | 18°55 | 6°48 | 14°52 | 26°21 | 15° 0 | 17° 2 | 11°55 | 15°15 | 13°10 | 5°52 | 7°15 | 29°48 | 19°30 | S 15 |
| M16 | 4 12 40 | 2°12'34 | 2♊27 | 8°22 | 15°47 | 26°24 | 15°13 | 17° 2 | 11°56 | 15°14 | 13° 9 | 5°47 | 7°12 | 29°55 | 19°31 | M16 |
| T 17 | 4 16 37 | 3°13'28 | 15°41 | 9°55 | 16°44 | 26°26 | 15°26 | 17° 3 | 11°57 | 15°13 | 13° 8 | 5°44 | 7° 9 | 0♍ 1 | 19°33 | T 17 |
| W18 | 4 20 33 | 4°14'24 | 28°36 | 11°29 | 17°40 | 26°27 | 15°39 | 17° 3 | 11°58 | 15°12 | 13° 7 | 5°42 | 7° 6 | 0° 8 | 19°35 | W18 |
| T 19 | 4 24 30 | 5°15'20 | 11♋13 | 13° 2 | 18°38 | 26°R28 | 15°51 | 17° 4 | 12° 0 | 15°11 | 13° 6 | 5°D42 | 7° 3 | 0°15 | 19°36 | T 19 |
| F 20 | 4 28 26 | 6°16'18 | 23°33 | 14°36 | 19°35 | 26°28 | 16° 4 | 17° 5 | 12° 1 | 15°11 | 13° 4 | 5°43 | 7° 0 | 0°21 | 19°38 | F 20 |
| S 21 | 4 32 23 | 7°17'17 | 5♌40 | 16°10 | 20°34 | 26°27 | 16°17 | 17° 6 | 12° 2 | 15°10 | 13° 3 | 5°45 | 6°56 | 0°28 | 19°40 | S 21 |
| S 22 | 4 36 20 | 8°18'17 | 17°36 | 17°43 | 21°33 | 26°26 | 16°30 | 17° 7 | 12° 3 | 15° 9 | 13° 2 | 5°47 | 6°53 | 0°35 | 19°42 | S 22 |
| M23 | 4 40 16 | 9°19'18 | 29°28 | 19°17 | 22°32 | 26°23 | 16°43 | 17° 8 | 12° 4 | 15° 8 | 13° 1 | 5°48 | 6°50 | 0°41 | 19°44 | M23 |
| T 24 | 4 44 13 | 10°20'20 | 11♍19 | 20°50 | 23°32 | 26°20 | 16°56 | 17° 9 | 12° 5 | 15° 7 | 13° 0 | 5°R49 | 6°47 | 0°48 | 19°46 | T 24 |
| W25 | 4 48 9 | 11°21'23 | 23°14 | 22°24 | 24°32 | 26°16 | 17° 8 | 17°10 | 12° 5 | 15° 6 | 12°59 | 5°48 | 6°44 | 0°55 | 19°48 | W25 |
| T 26 | 4 52 6 | 12°22'27 | 5♎20 | 23°57 | 25°33 | 26°11 | 17°21 | 17°12 | 12° 6 | 15° 6 | 12°59 | 5°46 | 6°40 | 1° 2 | 19°50 | T 26 |
| F 27 | 4 56 2 | 13°23'32 | 17°39 | 25°31 | 26°34 | 26° 5 | 17°34 | 17°14 | 12° 7 | 15° 5 | 12°58 | 5°43 | 6°37 | 1° 8 | 19°52 | F 27 |
| S 28 | 4 59 59 | 14°24'39 | 0♏15 | 27° 4 | 27°36 | 25°58 | 17°46 | 17°15 | 12° 8 | 15° 4 | 12°57 | 5°40 | 6°34 | 1°15 | 19°54 | S 28 |
| S 29 | 5 3 55 | 15°25'46 | 13°10 | 28°37 | 28°38 | 25°50 | 17°59 | 17°17 | 12° 8 | 15° 4 | 12°56 | 5°37 | 6°31 | 1°22 | 19°56 | S 29 |
| M30 | 5 7 52 | 16♐26'54 | 26♏27 | 0♑10 | 29♎40 | 25♋42 | 18♏11 | 17♓19 | 12♍ 9 | 15♈ 3 | 12♉55 | 5♑34 | 6♑28 | 1♍28 | 19♒59 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s58 | 17s30 | 4s30 | 16s17 | 0n 3 | 0s59 | 0n20 | 23n 6 | 1n49 | 14s36 | 0n54 | 7s18 | 2s24 | 7n58 | 0n45 | 4n30 | 1s47 | 1n32 | 15s 3 | 23s21 | 23s17 | 8n25 | 9s17 | 6n 7 |
| M 2 | 17 16 | 20 58 | 3 50 | 16 51 | 0s 4 | 1 9 | 0 28 | 23 6 | 1 51 | 14 40 | 0 54 | 7 19 | 2 24 | 7 57 | 0 45 | 4 29 | 1 47 | 1 32 | 15 3 | 23 22 | 23 17 | 8 22 | 9 17 | 6 7 |
| T 3 | 17 32 | 23 24 | 2 56 | 17 24 | 0 11 | 1 20 | 0 36 | 23 6 | 1 54 | 14 44 | 0 54 | 7 19 | 2 23 | 7 57 | 0 45 | 4 29 | 1 47 | 1 31 | 15 3 | 23 22 | 23 17 | 8 19 | 9 17 | 6 6 |
| W 4 | 17 49 | 24 32 | 1 52 | 17 57 | 0 17 | 1 31 | 0 44 | 23 7 | 1 56 | 14 48 | 0 54 | 7 19 | 2 23 | 7 56 | 0 45 | 4 28 | 1 47 | 1 31 | 15 3 | 23 22 | 23 17 | 8 16 | 9 17 | 6 6 |
| T 5 | 18 5 | 24 12 | 0 41 | 18 29 | 0 24 | 1 43 | 0 51 | 23 7 | 1 59 | 14 52 | 0 54 | 7 19 | 2 23 | 7 55 | 0 45 | 4 28 | 1 47 | 1 31 | 15 3 | 23 22 | 23 17 | 8 13 | 9 18 | 6 5 |
| F 6 | 18 21 | 22 23 | 0n33 | 19 0 | 0 30 | 1 56 | 0 58 | 23 8 | 2 1 | 14 56 | 0 54 | 7 19 | 2 23 | 7 54 | 0 45 | 4 27 | 1 47 | 1 31 | 15 3 | 23 22 | 23 18 | 8 11 | 9 18 | 6 5 |
| S 7 | 18 36 | 19 12 | 1 47 | 19 30 | 0 37 | 2 9 | 1 5 | 23 8 | 2 4 | 15 0 | 0 54 | 7 19 | 2 23 | 7 54 | 0 45 | 4 27 | 1 47 | 1 30 | 15 3 | 23 22 | 23 18 | 8 8 | 9 18 | 6 5 |
| S 8 | 18 52 | 14 54 | 2 54 | 19 59 | 0 43 | 2 22 | 1 11 | 23 9 | 2 6 | 15 4 | 0 54 | 7 19 | 2 22 | 7 53 | 0 46 | 4 26 | 1 47 | 1 30 | 15 3 | 23 22 | 23 18 | 8 5 | 9 18 | 6 4 |
| M 9 | 19 6 | 9 46 | 3 52 | 20 27 | 0 49 | 2 37 | 1 18 | 23 10 | 2 9 | 15 8 | 0 54 | 7 19 | 2 22 | 7 53 | 0 46 | 4 26 | 1 47 | 1 30 | 15 3 | 23 22 | 23 18 | 8 2 | 9 18 | 6 4 |
| T 10 | 19 21 | 4 6 | 4 35 | 20 54 | 0 55 | 2 51 | 1 24 | 23 11 | 2 11 | 15 12 | 0 54 | 7 19 | 2 22 | 7 52 | 0 46 | 4 25 | 1 47 | 1 30 | 15 2 | 23 22 | 23 18 | 7 59 | 9 18 | 6 3 |
| W11 | 19 35 | 1n46 | 5 2 | 21 20 | 1 1 | 3 6 | 1 30 | 23 12 | 2 14 | 15 16 | 0 54 | 7 19 | 2 22 | 7 51 | 0 46 | 4 25 | 1 47 | 1 30 | 15 2 | 23 22 | 23 19 | 7 56 | 9 18 | 6 3 |
| T 12 | 19 49 | 7 33 | 5 10 | 21 45 | 1 7 | 3 22 | 1 35 | 23 14 | 2 16 | 15 20 | 0 54 | 7 19 | 2 22 | 7 51 | 0 46 | 4 25 | 1 47 | 1 29 | 15 2 | 23 23 | 23 19 | 7 54 | 9 18 | 6 3 |
| F 13 | 20 2 | 12 54 | 5 0 | 22 9 | 1 13 | 3 38 | 1 41 | 23 15 | 2 19 | 15 24 | 0 54 | 7 19 | 2 21 | 7 50 | 0 46 | 4 24 | 1 47 | 1 29 | 15 2 | 23 23 | 23 19 | 7 51 | 9 18 | 6 2 |
| S 14 | 20 15 | 17 32 | 4 31 | 22 32 | 1 18 | 3 54 | 1 46 | 23 17 | 2 22 | 15 28 | 0 54 | 7 18 | 2 21 | 7 50 | 0 46 | 4 24 | 1 47 | 1 29 | 15 2 | 23 23 | 23 19 | 7 48 | 9 18 | 6 2 |
| S 15 | 20 28 | 21 9 | 3 48 | 22 53 | 1 24 | 4 10 | 1 51 | 23 19 | 2 24 | 15 32 | 0 54 | 7 18 | 2 21 | 7 49 | 0 46 | 4 23 | 1 47 | 1 29 | 15 2 | 23 23 | 23 19 | 7 45 | 9 18 | 6 1 |
| M16 | 20 40 | 23 31 | 2 52 | 23 14 | 1 29 | 4 27 | 1 56 | 23 21 | 2 27 | 15 36 | 0 54 | 7 18 | 2 21 | 7 49 | 0 46 | 4 23 | 1 47 | 1 29 | 15 2 | 23 24 | 23 19 | 7 42 | 9 18 | 6 1 |
| T 17 | 20 52 | 24 32 | 1 47 | 23 33 | 1 34 | 4 45 | 2 0 | 23 23 | 2 30 | 15 39 | 0 54 | 7 17 | 2 21 | 7 48 | 0 46 | 4 23 | 1 46 | 1 28 | 15 2 | 23 24 | 23 20 | 7 39 | 9 18 | 6 1 |
| W18 | 21 4 | 24 10 | 0 39 | 23 52 | 1 38 | 5 3 | 2 4 | 23 25 | 2 32 | 15 43 | 0 54 | 7 17 | 2 20 | 7 48 | 0 46 | 4 22 | 1 46 | 1 28 | 15 2 | 23 24 | 23 20 | 7 37 | 9 18 | 6 0 |
| T 19 | 21 15 | 22 33 | 0s30 | 24 8 | 1 43 | 5 21 | 2 8 | 23 28 | 2 35 | 15 47 | 0 54 | 7 16 | 2 20 | 7 48 | 0 46 | 4 22 | 1 46 | 1 28 | 15 1 | 23 24 | 23 20 | 7 34 | 9 17 | 6 0 |
| F 20 | 21 26 | 19 53 | 1 36 | 24 24 | 1 47 | 5 39 | 2 12 | 23 31 | 2 38 | 15 51 | 0 54 | 7 16 | 2 20 | 7 47 | 0 46 | 4 22 | 1 46 | 1 28 | 15 1 | 23 24 | 23 20 | 7 31 | 9 17 | 5 59 |
| S 21 | 21 36 | 16 23 | 2 37 | 24 39 | 1 51 | 5 57 | 2 16 | 23 34 | 2 40 | 15 54 | 0 54 | 7 15 | 2 20 | 7 47 | 0 46 | 4 21 | 1 46 | 1 28 | 15 1 | 23 24 | 23 20 | 7 28 | 9 17 | 5 59 |
| S 22 | 21 46 | 12 16 | 3 30 | 24 52 | 1 55 | 6 16 | 2 20 | 23 37 | 2 43 | 15 58 | 0 54 | 7 15 | 2 19 | 7 47 | 0 46 | 4 21 | 1 46 | 1 28 | 15 1 | 23 24 | 23 20 | 7 25 | 9 17 | 5 59 |
| M23 | 21 55 | 7 44 | 4 14 | 25 3 | 1 59 | 6 35 | 2 23 | 23 40 | 2 46 | 16 2 | 0 54 | 7 14 | 2 19 | 7 46 | 0 46 | 4 21 | 1 46 | 1 28 | 15 1 | 23 24 | 23 21 | 7 22 | 9 17 | 5 58 |
| T 24 | 22 4 | 2 56 | 4 46 | 25 14 | 2 2 | 6 54 | 2 26 | 23 43 | 2 49 | 16 5 | 0 54 | 7 13 | 2 19 | 7 46 | 0 46 | 4 21 | 1 46 | 1 28 | 15 1 | 23 24 | 23 21 | 7 20 | 9 16 | 5 58 |
| W25 | 22 13 | 2s 0 | 5 7 | 25 23 | 2 5 | 7 14 | 2 29 | 23 47 | 2 52 | 16 9 | 0 54 | 7 13 | 2 19 | 7 46 | 0 46 | 4 20 | 1 46 | 1 27 | 15 0 | 23 24 | 23 21 | 7 17 | 9 16 | 5 57 |
| T 26 | 22 21 | 6 56 | 5 15 | 25 30 | 2 7 | 7 33 | 2 32 | 23 50 | 2 54 | 16 13 | 0 54 | 7 12 | 2 19 | 7 45 | 0 46 | 4 20 | 1 46 | 1 27 | 15 0 | 23 24 | 23 21 | 7 14 | 9 16 | 5 57 |
| F 27 | 22 29 | 11 41 | 5 8 | 25 36 | 2 9 | 7 53 | 2 34 | 23 54 | 2 57 | 16 16 | 0 54 | 7 11 | 2 18 | 7 45 | 0 46 | 4 20 | 1 46 | 1 27 | 15 0 | 23 24 | 23 21 | 7 11 | 9 16 | 5 57 |
| S 28 | 22 36 | 16 3 | 4 46 | 25 40 | 2 11 | 8 13 | 2 37 | 23 58 | 3 0 | 16 20 | 0 54 | 7 10 | 2 18 | 7 45 | 0 46 | 4 20 | 1 46 | 1 27 | 15 0 | 23 24 | 23 21 | 7 8 | 9 15 | 5 56 |
| S 29 | 22 43 | 19 49 | 4 10 | 25 43 | 2 13 | 8 33 | 2 39 | 24 2 | 3 3 | 16 23 | 0 54 | 7 9 | 2 18 | 7 45 | 0 46 | 4 19 | 1 46 | 1 27 | 15 0 | 23 24 | 23 22 | 7 5 | 9 15 | 5 56 |
| M30 | 22s50 | 22s39 | 3s19 | 25s45 | 2s14 | 8s53 | 2n41 | 24n 7 | 3n 5 | 16s27 | 0n54 | 7s 8 | 2s18 | 7n45 | 0n46 | 4n19 | 1s46 | 1n27 | 14s59 | 23s24 | 23s22 | 7n 3 | 9s15 | 5n56 |

Julian Day Number = 2224311.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'42, Lahiri = 15°10'43 Julian Calendar 1 Nov. 1377 == Greg. Calendar 9 Nov. 1377


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# ASTRODIENST EPHEMERIS for the year 1377
# geocentric

## DECEMBER 1377 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 11 49 | 17♐28'02 | 10♐ 3 | 1♑42 | 0♏43 | 25°R33 | 18♏24 | 17♓21 | 12♍ 9 | 15°R 2 | 12°R54 | 5°R32 | 6♑25 | 1♍35 | 20♒ 1 | T 1 |
| W 2 | 5 15 45 | 18°29'12 | 23°56 | 3°14 | 1°46 | 25♋23 | 18°36 | 17°23 | 12°10 | 15♈ 2 | 12♉53 | 5♑30 | 6°21 | 1°42 | 20° 3 | W 2 |
| T 3 | 5 19 42 | 19°30'21 | 8♑ 4 | 4°46 | 2°49 | 25°12 | 18°49 | 17°25 | 12°10 | 15° 1 | 12°52 | 5°D30 | 6°18 | 1°48 | 20° 6 | T 3 |
| F 4 | 5 23 38 | 20°31'31 | 22°21 | 6°17 | 3°53 | 25° 0 | 19° 1 | 17°28 | 12°10 | 15° 1 | 12°51 | 5°31 | 6°15 | 1°55 | 20° 8 | F 4 |
| S 5 | 5 27 35 | 21°32'42 | 6♒44 | 7°47 | 4°57 | 24°47 | 19°13 | 17°30 | 12°11 | 15° 0 | 12°50 | 5°32 | 6°12 | 2° 2 | 20°11 | S 5 |
| S 6 | 5 31 31 | 22°33'52 | 21° 7 | 9°16 | 6° 1 | 24°34 | 19°25 | 17°33 | 12°11 | 15° 0 | 12°50 | 5°33 | 6° 9 | 2° 9 | 20°13 | S 6 |
| M 7 | 5 35 28 | 23°35'03 | 5♓27 | 10°45 | 7° 6 | 24°20 | 19°38 | 17°35 | 12°11 | 14°59 | 12°49 | 5°34 | 6° 6 | 2°15 | 20°16 | M 7 |
| T 8 | 5 39 25 | 24°36'13 | 19°40 | 12°11 | 8°11 | 24° 5 | 19°50 | 17°38 | 12°11 | 14°59 | 12°48 | 5°R34 | 6° 2 | 2°22 | 20°19 | T 8 |
| W 9 | 5 43 21 | 25°37'24 | 3♈45 | 13°36 | 9°16 | 23°49 | 20° 2 | 17°41 | 12°R11 | 14°59 | 12°47 | 5°34 | 5°59 | 2°29 | 20°21 | W 9 |
| T 10 | 5 47 18 | 26°38'34 | 17°40 | 15° 0 | 10°22 | 23°33 | 20°14 | 17°44 | 12°11 | 14°58 | 12°46 | 5°33 | 5°56 | 2°35 | 20°24 | T 10 |
| F 11 | 5 51 14 | 27°39'45 | 1♉24 | 16°20 | 11°27 | 23°16 | 20°26 | 17°47 | 12°11 | 14°58 | 12°46 | 5°33 | 5°53 | 2°42 | 20°27 | F 11 |
| S 12 | 5 55 11 | 28°40'55 | 14°56 | 17°38 | 12°33 | 22°58 | 20°37 | 17°50 | 12°11 | 14°58 | 12°45 | 5°32 | 5°50 | 2°49 | 20°30 | S 12 |
| S 13 | 5 59 7 | 29°42'05 | 28°15 | 18°53 | 13°40 | 22°40 | 20°49 | 17°53 | 12°11 | 14°58 | 12°44 | 5°31 | 5°46 | 2°55 | 20°33 | S 13 |
| M14 | 6 3 4 | 0♑43'15 | 11♊20 | 20° 4 | 14°46 | 22°21 | 21° 1 | 17°56 | 12°11 | 14°58 | 12°43 | 5°30 | 5°43 | 3° 2 | 20°36 | M14 |
| T 15 | 6 7 0 | 1°44'26 | 24°12 | 21°10 | 15°53 | 22° 1 | 21°13 | 18° 0 | 12°10 | 14°58 | 12°43 | 5°30 | 5°40 | 3° 9 | 20°39 | T 15 |
| W16 | 6 10 57 | 2°45'36 | 6♋51 | 22°11 | 17° 0 | 21°41 | 21°24 | 18° 3 | 12°10 | 14°57 | 12°42 | 5°D30 | 5°37 | 3°16 | 20°42 | W16 |
| T 17 | 6 14 54 | 3°46'46 | 19°17 | 23° 6 | 18° 7 | 21°20 | 21°36 | 18° 7 | 12° 9 | 14°57 | 12°41 | 5°30 | 5°34 | 3°22 | 20°45 | T 17 |
| F 18 | 6 18 50 | 4°47'56 | 1♌30 | 23°54 | 19°14 | 20°59 | 21°47 | 18°11 | 12° 9 | 14°D57 | 12°41 | 5°30 | 5°31 | 3°29 | 20°48 | F 18 |
| S 19 | 6 22 47 | 5°49'07 | 13°34 | 24°35 | 20°22 | 20°37 | 21°58 | 18°14 | 12° 8 | 14°57 | 12°40 | 5°R30 | 5°27 | 3°36 | 20°51 | S 19 |
| S 20 | 6 26 43 | 6°50'17 | 25°30 | 25° 7 | 21°30 | 20°15 | 22°10 | 18°18 | 12° 8 | 14°57 | 12°39 | 5°30 | 5°24 | 3°42 | 20°54 | S 20 |
| M21 | 6 30 40 | 7°51'27 | 7♍21 | 25°29 | 22°38 | 19°52 | 22°21 | 18°22 | 12° 7 | 14°58 | 12°39 | 5°30 | 5°21 | 3°49 | 20°57 | M21 |
| T 22 | 6 34 36 | 8°52'37 | 19°12 | 25°41 | 23°46 | 19°29 | 22°32 | 18°26 | 12° 7 | 14°58 | 12°38 | 5°29 | 5°18 | 3°56 | 21° 1 | T 22 |
| W23 | 6 38 33 | 9°53'47 | 1♎ 7 | 25°R42 | 24°54 | 19° 6 | 22°43 | 18°30 | 12° 6 | 14°58 | 12°38 | 5°29 | 5°15 | 4° 2 | 21° 4 | W23 |
| T 24 | 6 42 29 | 10°54'57 | 13°10 | 25°32 | 26° 2 | 18°43 | 22°54 | 18°35 | 12° 5 | 14°58 | 12°37 | 5°D29 | 5°12 | 4° 9 | 21° 7 | T 24 |
| F 25 | 6 46 26 | 11°56'07 | 25°26 | 25° 9 | 27°11 | 18°19 | 23° 5 | 18°39 | 12° 4 | 14°58 | 12°37 | 5°29 | 5° 8 | 4°16 | 21°11 | F 25 |
| S 26 | 6 50 23 | 12°57'17 | 7♏59 | 24°35 | 28°20 | 17°55 | 23°16 | 18°43 | 12° 3 | 14°59 | 12°36 | 5°30 | 5° 5 | 4°23 | 21°14 | S 26 |
| S 27 | 6 54 19 | 13°58'27 | 20°53 | 23°50 | 29°29 | 17°31 | 23°26 | 18°48 | 12° 2 | 14°59 | 12°36 | 5°31 | 5° 2 | 4°29 | 21°17 | S 27 |
| M28 | 6 58 16 | 14°59'37 | 4♐12 | 22°54 | 0♐38 | 17° 7 | 23°37 | 18°52 | 12° 1 | 14°59 | 12°35 | 5°32 | 4°59 | 4°36 | 21°21 | M28 |
| T 29 | 7 2 12 | 16° 0'47 | 17°55 | 21°50 | 1°47 | 16°43 | 23°47 | 18°57 | 12° 0 | 15° 0 | 12°35 | 5°32 | 4°56 | 4°43 | 21°24 | T 29 |
| W30 | 7 6 9 | 17° 1'56 | 2♑ 3 | 20°39 | 2°57 | 16°19 | 23°58 | 19° 2 | 11°59 | 15° 0 | 12°34 | 5°R33 | 4°52 | 4°49 | 21°28 | W30 |
| T 31 | 7 10 5 | 18♑ 3'04 | 16♑32 | 19♑23 | 4♐ 6 | 15♋55 | 24♏ 8 | 19♓ 7 | 11♍58 | 15♈ 0 | 12♉34 | 5♑33 | 4♑49 | 4♍56 | 21♒32 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s56 | 24s16 | 2s16 | 25s45 | 2s14 | 9s13 | 2n43 | 24n11 | 3n 8 | 16s30 | 0n54 | 7s 7 | 2s18 | 7n44 | 0n46 | 4n19 | 1s46 | 1n27 | 14s59 | 23s24 | 23s22 | 7n 0 | 9s14 | 5n55 |
| W 2 | 23 1 | 24 26 | 1 4 | 25 43 | 2 14 | 9 33 | 2 45 | 24 16 | 3 11 | 16 33 | 0 54 | 7 6 | 2 17 | 7 44 | 0 47 | 4 19 | 1 46 | 1 27 | 14 59 | 23 24 | 23 22 | 6 57 | 9 14 | 5 55 |
| T 3 | 23 6 | 23 2 | 0n14 | 25 40 | 2 14 | 9 53 | 2 46 | 24 20 | 3 14 | 16 37 | 0 54 | 7 5 | 2 17 | 7 44 | 0 47 | 4 19 | 1 46 | 1 27 | 14 59 | 23 24 | 23 22 | 6 54 | 9 13 | 5 55 |
| F 4 | 23 11 | 20 9 | 1 32 | 25 35 | 2 13 | 10 13 | 2 48 | 24 25 | 3 16 | 16 40 | 0 54 | 7 4 | 2 17 | 7 44 | 0 47 | 4 19 | 1 46 | 1 27 | 14 59 | 23 24 | 23 22 | 6 51 | 9 13 | 5 54 |
| S 5 | 23 15 | 16 0 | 2 44 | 25 29 | 2 12 | 10 34 | 2 49 | 24 30 | 3 19 | 16 43 | 0 54 | 7 3 | 2 17 | 7 44 | 0 47 | 4 18 | 1 46 | 1 27 | 14 58 | 23 24 | 23 22 | 6 48 | 9 12 | 5 54 |
| S 6 | 23 19 | 10 56 | 3 47 | 25 21 | 2 9 | 10 54 | 2 50 | 24 35 | 3 22 | 16 47 | 0 54 | 7 2 | 2 17 | 7 44 | 0 47 | 4 18 | 1 46 | 1 27 | 14 58 | 23 24 | 23 23 | 6 46 | 9 12 | 5 53 |
| M 7 | 23 22 | 5 18 | 4 34 | 25 11 | 2 7 | 11 14 | 2 51 | 24 41 | 3 24 | 16 50 | 0 54 | 7 1 | 2 16 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 58 | 23 24 | 23 23 | 6 43 | 9 11 | 5 53 |
| T 8 | 23 25 | 0n34 | 5 5 | 25 0 | 2 3 | 11 34 | 2 52 | 24 46 | 3 27 | 16 53 | 0 54 | 6 59 | 2 16 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 58 | 23 24 | 23 23 | 6 40 | 9 11 | 5 53 |
| W 9 | 23 27 | 6 20 | 5 17 | 24 48 | 1 59 | 11 54 | 2 52 | 24 51 | 3 30 | 16 57 | 0 54 | 6 58 | 2 16 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 57 | 23 24 | 23 23 | 6 37 | 9 10 | 5 52 |
| T 10 | 23 29 | 11 43 | 5 10 | 24 34 | 1 54 | 12 14 | 2 53 | 24 56 | 3 32 | 17 0 | 0 54 | 6 57 | 2 16 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 57 | 23 24 | 23 23 | 6 34 | 9 10 | 5 52 |
| F 11 | 23 30 | 16 27 | 4 45 | 24 18 | 1 48 | 12 34 | 2 53 | 25 2 | 3 35 | 17 3 | 0 54 | 6 55 | 2 16 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 57 | 23 24 | 23 23 | 6 31 | 9 9 | 5 52 |
| S 12 | 23 31 | 20 16 | 4 5 | 24 2 | 1 41 | 12 54 | 2 53 | 25 7 | 3 37 | 17 6 | 0 54 | 6 54 | 2 15 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 57 | 23 24 | 23 23 | 6 29 | 9 9 | 5 51 |
| S 13 | 23 31 | 22 58 | 3 12 | 23 44 | 1 34 | 13 14 | 2 53 | 25 13 | 3 39 | 17 9 | 0 54 | 6 53 | 2 15 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 56 | 23 24 | 23 24 | 6 26 | 9 8 | 5 51 |
| M14 | 23 31 | 24 22 | 2 10 | 23 25 | 1 25 | 13 34 | 2 53 | 25 18 | 3 42 | 17 12 | 0 54 | 6 51 | 2 15 | 7 44 | 0 47 | 4 18 | 1 45 | 1 27 | 14 56 | 23 24 | 23 24 | 6 23 | 9 8 | 5 51 |
| T 15 | 23 31 | 24 26 | 1 2 | 23 5 | 1 15 | 13 53 | 2 53 | 25 24 | 3 44 | 17 15 | 0 54 | 6 50 | 2 15 | 7 45 | 0 47 | 4 18 | 1 45 | 1 27 | 14 56 | 23 24 | 23 24 | 6 20 | 9 7 | 5 51 |
| W16 | 23 29 | 23 13 | 0s 7 | 22 45 | 1 5 | 14 12 | 2 53 | 25 29 | 3 46 | 17 18 | 0 54 | 6 48 | 2 15 | 7 45 | 0 47 | 4 18 | 1 45 | 1 27 | 14 56 | 23 24 | 23 24 | 6 17 | 9 6 | 5 50 |
| T 17 | 23 28 | 20 53 | 1 16 | 22 24 | 0 53 | 14 31 | 2 52 | 25 35 | 3 48 | 17 21 | 0 54 | 6 46 | 2 14 | 7 45 | 0 47 | 4 18 | 1 45 | 1 27 | 14 55 | 23 24 | 23 24 | 6 14 | 9 6 | 5 50 |
| F 18 | 23 26 | 17 38 | 2 19 | 22 3 | 0 40 | 14 50 | 2 52 | 25 40 | 3 50 | 17 24 | 0 54 | 6 45 | 2 14 | 7 45 | 0 47 | 4 18 | 1 45 | 1 27 | 14 55 | 23 24 | 23 24 | 6 12 | 9 5 | 5 50 |
| S 19 | 23 24 | 13 41 | 3 16 | 21 42 | 0 26 | 15 9 | 2 51 | 25 45 | 3 52 | 17 27 | 0 54 | 6 43 | 2 14 | 7 45 | 0 47 | 4 18 | 1 45 | 1 27 | 14 55 | 23 24 | 23 24 | 6 9 | 9 4 | 5 49 |
| S 20 | 23 21 | 9 15 | 4 3 | 21 21 | 0 10 | 15 28 | 2 50 | 25 51 | 3 54 | 17 30 | 0 54 | 6 41 | 2 14 | 7 46 | 0 47 | 4 18 | 1 45 | 1 27 | 14 55 | 23 24 | 23 25 | 6 6 | 9 3 | 5 49 |
| M21 | 23 17 | 4 30 | 4 40 | 21 1 | 0n 6 | 15 46 | 2 49 | 25 56 | 3 56 | 17 33 | 0 54 | 6 40 | 2 14 | 7 46 | 0 47 | 4 18 | 1 45 | 1 27 | 14 54 | 23 24 | 23 25 | 6 3 | 9 3 | 5 49 |
| T 22 | 23 13 | 0s23 | 5 5 | 20 42 | 0 23 | 16 4 | 2 48 | 26 1 | 3 57 | 17 35 | 0 54 | 6 38 | 2 13 | 7 46 | 0 47 | 4 18 | 1 45 | 1 27 | 14 54 | 23 24 | 23 25 | 6 0 | 9 2 | 5 49 |
| W23 | 23 9 | 5 17 | 5 16 | 20 24 | 0 41 | 16 21 | 2 47 | 26 6 | 3 59 | 17 38 | 0 54 | 6 36 | 2 13 | 7 47 | 0 47 | 4 18 | 1 45 | 1 28 | 14 54 | 23 24 | 23 25 | 5 57 | 9 1 | 5 48 |
| T 24 | 23 4 | 10 2 | 5 14 | 20 8 | 1 0 | 16 39 | 2 46 | 26 11 | 4 1 | 17 41 | 0 54 | 6 34 | 2 13 | 7 47 | 0 47 | 4 19 | 1 45 | 1 28 | 14 53 | 23 24 | 23 25 | 5 54 | 9 0 | 5 48 |
| F 25 | 22 59 | 14 29 | 4 58 | 19 53 | 1 19 | 16 56 | 2 44 | 26 15 | 4 2 | 17 44 | 0 55 | 6 32 | 2 13 | 7 47 | 0 48 | 4 19 | 1 44 | 1 28 | 14 53 | 23 24 | 23 25 | 5 52 | 9 0 | 5 48 |
| S 26 | 22 53 | 18 26 | 4 28 | 19 40 | 1 38 | 17 13 | 2 43 | 26 20 | 4 3 | 17 46 | 0 55 | 6 31 | 2 13 | 7 48 | 0 48 | 4 19 | 1 44 | 1 28 | 14 53 | 23 24 | 23 25 | 5 49 | 8 59 | 5 48 |
| S 27 | 22 47 | 21 37 | 3 43 | 19 30 | 1 57 | 17 29 | 2 41 | 26 24 | 4 4 | 17 49 | 0 55 | 6 29 | 2 13 | 7 48 | 0 48 | 4 19 | 1 44 | 1 28 | 14 53 | 23 24 | 23 25 | 5 46 | 8 58 | 5 47 |
| M28 | 22 40 | 23 46 | 2 45 | 19 21 | 2 15 | 17 45 | 2 39 | 26 29 | 4 6 | 17 51 | 0 55 | 6 27 | 2 12 | 7 49 | 0 48 | 4 19 | 1 44 | 1 28 | 14 52 | 23 24 | 23 26 | 5 43 | 8 57 | 5 47 |
| T 29 | 22 33 | 24 34 | 1 36 | 19 15 | 2 32 | 18 1 | 2 38 | 26 33 | 4 7 | 17 54 | 0 55 | 6 25 | 2 12 | 7 49 | 0 48 | 4 19 | 1 44 | 1 28 | 14 52 | 23 24 | 23 26 | 5 40 | 8 56 | 5 47 |
| W30 | 22 26 | 23 50 | 0 19 | 19 11 | 2 47 | 18 16 | 2 36 | 26 37 | 4 7 | 17 57 | 0 55 | 6 23 | 2 12 | 7 49 | 0 48 | 4 20 | 1 44 | 1 29 | 14 52 | 23 24 | 23 26 | 5 37 | 8 55 | 5 47 |
| T 31 | 22s18 | 21s30 | 1n 0 | 19s 8 | 3n 0 | 18s31 | 2n34 | 26n41 | 4n 8 | 17s59 | 0n55 | 6s21 | 2s12 | 7n50 | 0n48 | 4n20 | 1s44 | 1n29 | 14s51 | 23s24 | 23s26 | 5n35 | 8s54 | 5n46 |

Julian Day Number = 2224341.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'46, Lahiri = 15°10'47 Julian Calendar 1 Dec. 1377 == Greg. Calendar 9 Dec. 1377


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## JANUARY 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 14 2 | 19♉ 4'13 | 1♒15 | 18°R 5 | 5♐16 | 15°R31 | 24♏18 | 19♓11 | 11°R57 | 15♈ 1 | 12°R34 | 5°R32 | 4♉46 | 5♍ 3 | 21♒35 | F 1 |
| S 2 | 7 17 58 | 20° 5'20 | 16° 7 | 16♉48 | 6°26 | 15♋ 7 | 24°28 | 19°16 | 11♍56 | 15° 1 | 12♉33 | 5♉30 | 4°43 | 5°10 | 21°39 | S 2 |
| S 3 | 7 21 55 | 21° 6'26 | 0♓59 | 15°32 | 7°36 | 14°44 | 24°38 | 19°21 | 11°54 | 15° 2 | 12°33 | 5°28 | 4°40 | 5°16 | 21°42 | S 3 |
| M 4 | 7 25 52 | 22° 7'32 | 15°43 | 14°22 | 8°46 | 14°20 | 24°48 | 19°27 | 11°53 | 15° 3 | 12°33 | 5°26 | 4°37 | 5°23 | 21°46 | M 4 |
| T 5 | 7 29 48 | 23° 8'36 | 0♈13 | 13°17 | 9°56 | 13°57 | 24°58 | 19°32 | 11°52 | 15° 3 | 12°32 | 5°24 | 4°33 | 5°30 | 21°50 | T 5 |
| W 6 | 7 33 45 | 24° 9'40 | 14°26 | 12°20 | 11° 6 | 13°35 | 25° 8 | 19°37 | 11°50 | 15° 4 | 12°32 | 5°23 | 4°30 | 5°36 | 21°53 | W 6 |
| T 7 | 7 37 41 | 25°10'42 | 28°19 | 11°31 | 12°16 | 13°13 | 25°17 | 19°42 | 11°49 | 15° 4 | 12°32 | 5°D23 | 4°27 | 5°43 | 21°57 | T 7 |
| F 8 | 7 41 38 | 26°11'43 | 11♉52 | 10°51 | 13°27 | 12°51 | 25°27 | 19°48 | 11°47 | 15° 5 | 12°32 | 5°24 | 4°24 | 5°50 | 22° 1 | F 8 |
| S 9 | 7 45 34 | 27°12'43 | 25° 7 | 10°21 | 14°37 | 12°30 | 25°36 | 19°53 | 11°45 | 15° 6 | 12°31 | 5°25 | 4°21 | 5°56 | 22° 5 | S 9 |
| S 10 | 7 49 31 | 28°13'42 | 8♊ 5 | 9°59 | 15°48 | 12° 9 | 25°46 | 19°59 | 11°44 | 15° 7 | 12°31 | 5°27 | 4°18 | 6° 3 | 22° 9 | S 10 |
| M11 | 7 53 27 | 29°14'40 | 20°49 | 9°45 | 16°59 | 11°49 | 25°55 | 20° 4 | 11°42 | 15° 8 | 12°31 | 5°28 | 4°14 | 6°10 | 22°12 | M11 |
| T 12 | 7 57 24 | 0♒15'36 | 3♋20 | 9°D41 | 18° 9 | 11°30 | 26° 4 | 20°10 | 11°40 | 15° 8 | 12°31 | 5°R29 | 4°11 | 6°17 | 22°16 | T 12 |
| W13 | 8 1 21 | 1°16'32 | 15°40 | 9°44 | 19°20 | 11°11 | 26°13 | 20°16 | 11°39 | 15° 9 | 12°31 | 5°28 | 4° 8 | 6°23 | 22°20 | W13 |
| T 14 | 8 5 17 | 2°17'26 | 27°52 | 9°54 | 20°31 | 10°52 | 26°22 | 20°22 | 11°37 | 15°10 | 12°31 | 5°26 | 4° 5 | 6°30 | 22°24 | T 14 |
| F 15 | 8 9 14 | 3°18'19 | 9♌56 | 10°11 | 21°42 | 10°34 | 26°30 | 20°28 | 11°35 | 15°11 | 12°31 | 5°23 | 4° 2 | 6°37 | 22°28 | F 15 |
| S 16 | 8 13 10 | 4°19'11 | 21°54 | 10°34 | 22°53 | 10°17 | 26°39 | 20°33 | 11°33 | 15°12 | 12°31 | 5°19 | 3°58 | 6°43 | 22°32 | S 16 |
| S 17 | 8 17 7 | 5°20'02 | 3♍48 | 11° 3 | 24° 5 | 10° 1 | 26°47 | 20°39 | 11°31 | 15°13 | 12°31 | 5°13 | 3°55 | 6°50 | 22°36 | S 17 |
| M18 | 8 21 3 | 6°20'52 | 15°39 | 11°38 | 25°16 | 9°46 | 26°55 | 20°45 | 11°29 | 15°14 | 12°D31 | 5° 7 | 3°52 | 6°57 | 22°40 | M18 |
| T 19 | 8 25 0 | 7°21'40 | 27°31 | 12°17 | 26°27 | 9°31 | 27° 4 | 20°52 | 11°27 | 15°15 | 12°31 | 5° 2 | 3°49 | 7° 4 | 22°44 | T 19 |
| W20 | 8 28 56 | 8°22'28 | 9♎26 | 13° 0 | 27°39 | 9°16 | 27°12 | 20°58 | 11°25 | 15°16 | 12°31 | 4°57 | 3°46 | 7°10 | 22°48 | W20 |
| T 21 | 8 32 53 | 9°23'15 | 21°27 | 13°48 | 28°50 | 9° 3 | 27°20 | 21° 4 | 11°23 | 15°17 | 12°31 | 4°54 | 3°43 | 7°17 | 22°52 | T 21 |
| F 22 | 8 36 50 | 10°24'00 | 3♏39 | 14°39 | 0♑ 2 | 8°50 | 27°27 | 21°10 | 11°21 | 15°19 | 12°31 | 4°52 | 3°39 | 7°24 | 22°56 | F 22 |
| S 23 | 8 40 46 | 11°24'45 | 16° 7 | 15°34 | 1°14 | 8°39 | 27°35 | 21°17 | 11°19 | 15°20 | 12°31 | 4°D52 | 3°36 | 7°30 | 23° 0 | S 23 |
| S 24 | 8 44 43 | 12°25'29 | 28°55 | 16°31 | 2°25 | 8°27 | 27°43 | 21°23 | 11°17 | 15°21 | 12°31 | 4°53 | 3°33 | 7°37 | 23° 4 | S 24 |
| M25 | 8 48 39 | 13°26'11 | 12♐ 6 | 17°31 | 3°37 | 8°17 | 27°50 | 21°29 | 11°15 | 15°22 | 12°31 | 4°54 | 3°30 | 7°44 | 23° 8 | M25 |
| T 26 | 8 52 36 | 14°26'52 | 25°45 | 18°34 | 4°49 | 8° 8 | 27°57 | 21°36 | 11°12 | 15°24 | 12°31 | 4°56 | 3°27 | 7°51 | 23°12 | T 26 |
| W27 | 8 56 32 | 15°27'33 | 9♑51 | 19°40 | 6° 1 | 7°59 | 28° 4 | 21°42 | 11°10 | 15°25 | 12°31 | 4°R56 | 3°24 | 7°57 | 23°16 | W27 |
| T 28 | 9 0 29 | 16°28'12 | 24°25 | 20°47 | 7°13 | 7°51 | 28°11 | 21°49 | 11° 8 | 15°26 | 12°32 | 4°54 | 3°20 | 8° 4 | 23°20 | T 28 |
| F 29 | 9 4 26 | 17°28'49 | 9♒20 | 21°57 | 8°25 | 7°44 | 28°18 | 21°56 | 11° 6 | 15°28 | 12°32 | 4°51 | 3°17 | 8°11 | 23°24 | F 29 |
| S 30 | 9 8 22 | 18°29'25 | 24°30 | 23° 9 | 9°37 | 7°38 | 28°25 | 22° 2 | 11° 3 | 15°29 | 12°32 | 4°45 | 3°14 | 8°17 | 23°28 | S 30 |
| S 31 | 9 12 19 | 19♒29'59 | 9♓45 | 24♑22 | 10♑49 | 7♋32 | 28♏31 | 22♓ 9 | 11♍ 1 | 15♈30 | 12♉32 | 4♉39 | 3♉11 | 8♍24 | 23♒32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s10 | 17s43 | 2n18 | 19s 8 | 3n11 | 18s46 | 2n32 | 26n44 | 4n 9 | 18s 1 | 0n55 | 6s19 | 2s12 | 7n50 | 0n48 | 4n20 | 1s44 | 1n29 | 14s51 | 23s24 | 23s26 | 5n32 | 8s53 | 5n46 |
| S 2 | 22 1 | 12 47 | 3 26 | 19 9 | 3 20 | 19 0 | 2 29 | 26 47 | 4 10 | 18 4 | 0 55 | 6 16 | 2 12 | 7 51 | 0 48 | 4 20 | 1 44 | 1 29 | 14 51 | 23 24 | 23 26 | 5 29 | 8 53 | 5 46 |
| S 3 | 21 51 | 7 6 | 4 21 | 19 12 | 3 26 | 19 14 | 2 27 | 26 51 | 4 10 | 18 6 | 0 55 | 6 14 | 2 11 | 7 51 | 0 48 | 4 21 | 1 44 | 1 29 | 14 50 | 23 24 | 23 26 | 5 26 | 8 52 | 5 46 |
| M 4 | 21 42 | 1 5 | 4 57 | 19 16 | 3 30 | 19 27 | 2 25 | 26 54 | 4 10 | 18 9 | 0 55 | 6 12 | 2 11 | 7 52 | 0 48 | 4 21 | 1 44 | 1 30 | 14 50 | 23 24 | 23 26 | 5 23 | 8 51 | 5 45 |
| T 5 | 21 32 | 4n54 | 5 14 | 19 21 | 3 31 | 19 40 | 2 22 | 26 56 | 4 11 | 18 11 | 0 55 | 6 10 | 2 11 | 7 53 | 0 48 | 4 21 | 1 44 | 1 30 | 14 50 | 23 25 | 23 26 | 5 20 | 8 50 | 5 45 |
| W 6 | 21 21 | 10 30 | 5 12 | 19 27 | 3 30 | 19 52 | 2 20 | 26 59 | 4 11 | 18 13 | 0 55 | 6 8 | 2 11 | 7 53 | 0 48 | 4 21 | 1 44 | 1 30 | 14 49 | 23 25 | 23 27 | 5 18 | 8 49 | 5 45 |
| T 7 | 21 10 | 15 26 | 4 51 | 19 35 | 3 27 | 20 4 | 2 17 | 27 1 | 4 11 | 18 15 | 0 55 | 6 6 | 2 11 | 7 54 | 0 48 | 4 22 | 1 44 | 1 30 | 14 49 | 23 25 | 23 27 | 5 15 | 8 48 | 5 45 |
| F 8 | 20 59 | 19 28 | 4 14 | 19 43 | 3 23 | 20 16 | 2 15 | 27 3 | 4 11 | 18 18 | 0 55 | 6 3 | 2 11 | 7 54 | 0 48 | 4 22 | 1 44 | 1 31 | 14 49 | 23 25 | 23 27 | 5 12 | 8 47 | 5 45 |
| S 9 | 20 47 | 22 25 | 3 24 | 19 51 | 3 16 | 20 26 | 2 12 | 27 5 | 4 11 | 18 20 | 0 55 | 6 1 | 2 10 | 7 55 | 0 48 | 4 22 | 1 44 | 1 31 | 14 49 | 23 25 | 23 27 | 5 9 | 8 46 | 5 44 |
| S 10 | 20 35 | 24 7 | 2 25 | 20 0 | 3 9 | 20 37 | 2 9 | 27 7 | 4 10 | 18 22 | 0 55 | 5 59 | 2 10 | 7 56 | 0 48 | 4 23 | 1 44 | 1 31 | 14 48 | 23 24 | 23 27 | 5 6 | 8 45 | 5 44 |
| M11 | 20 23 | 24 32 | 1 20 | 20 10 | 3 1 | 20 47 | 2 7 | 27 9 | 4 10 | 18 24 | 0 56 | 5 56 | 2 10 | 7 56 | 0 48 | 4 23 | 1 44 | 1 31 | 14 48 | 23 24 | 23 27 | 5 3 | 8 44 | 5 44 |
| T 12 | 20 10 | 23 41 | 0 12 | 20 19 | 2 51 | 20 56 | 2 4 | 27 10 | 4 10 | 18 26 | 0 56 | 5 54 | 2 10 | 7 57 | 0 48 | 4 24 | 1 43 | 1 32 | 14 48 | 23 24 | 23 27 | 5 1 | 8 43 | 5 44 |
| W13 | 19 57 | 21 40 | 0s56 | 20 29 | 2 41 | 21 5 | 2 1 | 27 11 | 4 9 | 18 28 | 0 56 | 5 52 | 2 10 | 7 58 | 0 48 | 4 24 | 1 43 | 1 32 | 14 47 | 23 24 | 23 27 | 4 58 | 8 41 | 5 44 |
| T 14 | 19 43 | 18 42 | 2 0 | 20 38 | 2 31 | 21 13 | 1 58 | 27 12 | 4 9 | 18 30 | 0 56 | 5 49 | 2 10 | 7 58 | 0 48 | 4 24 | 1 43 | 1 32 | 14 47 | 23 24 | 23 27 | 4 55 | 8 40 | 5 44 |
| F 15 | 19 29 | 14 58 | 2 58 | 20 48 | 2 20 | 21 21 | 1 55 | 27 13 | 4 8 | 18 32 | 0 56 | 5 47 | 2 10 | 7 59 | 0 48 | 4 25 | 1 43 | 1 32 | 14 47 | 23 25 | 23 28 | 4 52 | 8 39 | 5 43 |
| S 16 | 19 15 | 10 40 | 3 47 | 20 57 | 2 10 | 21 28 | 1 52 | 27 14 | 4 7 | 18 34 | 0 56 | 5 44 | 2 10 | 8 0 | 0 48 | 4 25 | 1 43 | 1 33 | 14 46 | 23 25 | 23 28 | 4 49 | 8 38 | 5 43 |
| S 17 | 19 0 | 6 0 | 4 27 | 21 5 | 1 58 | 21 35 | 1 49 | 27 14 | 4 6 | 18 36 | 0 56 | 5 42 | 2 9 | 8 1 | 0 48 | 4 26 | 1 43 | 1 33 | 14 46 | 23 25 | 23 28 | 4 46 | 8 37 | 5 43 |
| M18 | 18 45 | 1 9 | 4 54 | 21 14 | 1 47 | 21 41 | 1 46 | 27 14 | 4 6 | 18 38 | 0 56 | 5 39 | 2 9 | 8 1 | 0 48 | 4 26 | 1 43 | 1 33 | 14 46 | 23 25 | 23 28 | 4 44 | 8 36 | 5 43 |
| T 19 | 18 30 | 3s44 | 5 9 | 21 21 | 1 36 | 21 46 | 1 42 | 27 15 | 4 5 | 18 39 | 0 56 | 5 37 | 2 9 | 8 2 | 0 48 | 4 27 | 1 43 | 1 34 | 14 45 | 23 25 | 23 28 | 4 41 | 8 35 | 5 43 |
| W20 | 18 14 | 8 30 | 5 11 | 21 28 | 1 25 | 21 51 | 1 39 | 27 15 | 4 4 | 18 41 | 0 56 | 5 34 | 2 9 | 8 3 | 0 48 | 4 27 | 1 43 | 1 34 | 14 45 | 23 26 | 23 28 | 4 38 | 8 34 | 5 43 |
| T 21 | 17 58 | 13 0 | 4 59 | 21 34 | 1 14 | 21 55 | 1 36 | 27 15 | 4 3 | 18 43 | 0 56 | 5 32 | 2 9 | 8 4 | 0 48 | 4 27 | 1 43 | 1 34 | 14 45 | 23 26 | 23 28 | 4 35 | 8 32 | 5 43 |
| F 22 | 17 42 | 17 3 | 4 33 | 21 39 | 1 4 | 21 59 | 1 33 | 27 14 | 4 1 | 18 45 | 0 56 | 5 29 | 2 9 | 8 5 | 0 48 | 4 28 | 1 43 | 1 35 | 14 44 | 23 26 | 23 28 | 4 32 | 8 31 | 5 42 |
| S 23 | 17 25 | 20 27 | 3 55 | 21 44 | 0 53 | 22 2 | 1 29 | 27 14 | 4 0 | 18 46 | 0 56 | 5 26 | 2 9 | 8 5 | 0 48 | 4 28 | 1 43 | 1 35 | 14 44 | 23 26 | 23 28 | 4 29 | 8 30 | 5 42 |
| S 24 | 17 8 | 22 58 | 3 3 | 21 47 | 0 43 | 22 4 | 1 26 | 27 13 | 3 59 | 18 48 | 0 57 | 5 24 | 2 9 | 8 6 | 0 49 | 4 29 | 1 43 | 1 35 | 14 44 | 23 26 | 23 28 | 4 27 | 8 29 | 5 42 |
| M25 | 16 51 | 24 19 | 2 1 | 21 50 | 0 32 | 22 6 | 1 23 | 27 13 | 3 58 | 18 49 | 0 57 | 5 21 | 2 9 | 8 7 | 0 49 | 4 30 | 1 43 | 1 36 | 14 43 | 23 26 | 23 28 | 4 24 | 8 28 | 5 42 |
| T 26 | 16 33 | 24 17 | 0 50 | 21 51 | 0 22 | 22 7 | 1 19 | 27 12 | 3 56 | 18 51 | 0 57 | 5 18 | 2 8 | 8 8 | 0 49 | 4 30 | 1 43 | 1 36 | 14 43 | 23 26 | 23 29 | 4 21 | 8 27 | 5 42 |
| W27 | 16 15 | 22 43 | 0n27 | 21 52 | 0 13 | 22 7 | 1 16 | 27 11 | 3 55 | 18 52 | 0 57 | 5 16 | 2 8 | 8 9 | 0 49 | 4 31 | 1 43 | 1 37 | 14 43 | 23 26 | 23 29 | 4 18 | 8 25 | 5 42 |
| T 28 | 15 57 | 19 36 | 1 44 | 21 51 | 0 3 | 22 7 | 1 12 | 27 10 | 3 54 | 18 54 | 0 57 | 5 13 | 2 8 | 8 10 | 0 49 | 4 31 | 1 43 | 1 37 | 14 42 | 23 26 | 23 29 | 4 15 | 8 24 | 5 42 |
| F 29 | 15 39 | 15 9 | 2 55 | 21 49 | 0s 6 | 22 6 | 1 9 | 27 9 | 3 52 | 18 55 | 0 57 | 5 10 | 2 8 | 8 11 | 0 49 | 4 32 | 1 43 | 1 37 | 14 42 | 23 26 | 23 29 | 4 12 | 8 23 | 5 42 |
| S 30 | 15 20 | 9 41 | 3 56 | 21 46 | 0 15 | 22 5 | 1 5 | 27 8 | 3 51 | 18 57 | 0 57 | 5 8 | 2 8 | 8 12 | 0 49 | 4 32 | 1 43 | 1 38 | 14 42 | 23 26 | 23 29 | 4 10 | 8 22 | 5 42 |
| S 31 | 15s 1 | 3s37 | 4n40 | 21s42 | 0s23 | 22s 3 | 1n 2 | 27n 7 | 3n49 | 18s58 | 0n57 | 5s 5 | 2s 8 | 8n13 | 0n49 | 4n33 | 1s43 | 1n38 | 14s41 | 23s26 | 23s29 | 4n 7 | 8s20 | 5n42 |

Julian Day Number = 2224372.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'50, Lahiri = 15°10'51 Julian Calendar 1 Jan. 1378 == Greg. Calendar 9 Jan. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## FEBRUARY 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 16 15 | 20♒30'32 | 24♓53 | 25♉37 | 12♉ 1 | 7°R28 | 28♏38 | 22♓16 | 10°R59 | 15♈32 | 12♉33 | 4°R31 | 3♉ 8 | 8♍31 | 23♒36 | M 1 |
| T 2 | 9 20 12 | 21°31'03 | 9♈45 | 26°54 | 13°13 | 7♋24 | 28°44 | 22°23 | 10♍56 | 15°33 | 12°33 | 4♉25 | 3° 4 | 8°37 | 23°40 | T 2 |
| W 3 | 9 24 8 | 22°31'31 | 24°14 | 28°12 | 14°25 | 7°21 | 28°50 | 22°30 | 10°54 | 15°35 | 12°33 | 4°20 | 3° 1 | 8°44 | 23°44 | W 3 |
| T 4 | 9 28 5 | 23°31'58 | 8♉17 | 29°32 | 15°38 | 7°18 | 28°56 | 22°36 | 10°51 | 15°36 | 12°34 | 4°16 | 2°58 | 8°51 | 23°48 | T 4 |
| F 5 | 9 32 1 | 24°32'24 | 21°53 | 0♒53 | 16°50 | 7°17 | 29° 1 | 22°43 | 10°49 | 15°38 | 12°34 | 4°D15 | 2°55 | 8°58 | 23°52 | F 5 |
| S 6 | 9 35 58 | 25°32'47 | 5♊ 4 | 2°15 | 18° 2 | 7°16 | 29° 7 | 22°50 | 10°46 | 15°40 | 12°34 | 4°16 | 2°52 | 9° 4 | 23°57 | S 6 |
| S 7 | 9 39 54 | 26°33'08 | 17°53 | 3°39 | 19°14 | 7°D16 | 29°12 | 22°57 | 10°44 | 15°41 | 12°35 | 4°17 | 2°49 | 9°11 | 24° 1 | S 7 |
| M 8 | 9 43 51 | 27°33'27 | 0♋25 | 5° 4 | 20°27 | 7°17 | 29°18 | 23° 4 | 10°41 | 15°43 | 12°35 | 4°R18 | 2°45 | 9°18 | 24° 5 | M 8 |
| T 9 | 9 47 48 | 28°33'44 | 12°42 | 6°30 | 21°39 | 7°18 | 29°23 | 23°11 | 10°39 | 15°44 | 12°36 | 4°17 | 2°42 | 9°24 | 24° 9 | T 9 |
| W10 | 9 51 44 | 29°33'59 | 24°49 | 7°57 | 22°52 | 7°20 | 29°28 | 23°19 | 10°36 | 15°46 | 12°36 | 4°15 | 2°39 | 9°31 | 24°13 | W10 |
| T 11 | 9 55 41 | 0♓34'12 | 6♌50 | 9°25 | 24° 4 | 7°23 | 29°32 | 23°26 | 10°34 | 15°48 | 12°37 | 4°10 | 2°36 | 9°38 | 24°17 | T 11 |
| F 12 | 9 59 37 | 1°34'24 | 18°45 | 10°55 | 25°17 | 7°27 | 29°37 | 23°33 | 10°31 | 15°49 | 12°37 | 4° 3 | 2°33 | 9°45 | 24°21 | F 12 |
| S 13 | 10 3 34 | 2°34'33 | 0♍38 | 12°26 | 26°29 | 7°31 | 29°41 | 23°40 | 10°29 | 15°51 | 12°38 | 3°53 | 2°29 | 9°51 | 24°25 | S 13 |
| S 14 | 10 7 30 | 3°34'40 | 12°31 | 13°57 | 27°42 | 7°36 | 29°46 | 23°47 | 10°26 | 15°53 | 12°38 | 3°41 | 2°26 | 9°58 | 24°29 | S 14 |
| M15 | 10 11 27 | 4°34'46 | 24°23 | 15°30 | 28°54 | 7°42 | 29°50 | 23°54 | 10°23 | 15°55 | 12°39 | 3°29 | 2°23 | 10° 5 | 24°33 | M15 |
| T 16 | 10 15 23 | 5°34'50 | 6♎17 | 17° 4 | 0♒ 7 | 7°48 | 29°54 | 24° 2 | 10°21 | 15°57 | 12°40 | 3°17 | 2°20 | 10°11 | 24°37 | T 16 |
| W17 | 10 19 20 | 6°34'52 | 18°15 | 18°40 | 1°20 | 7°55 | 29°58 | 24° 9 | 10°18 | 15°58 | 12°40 | 3° 7 | 2°17 | 10°18 | 24°41 | W17 |
| T 18 | 10 23 17 | 7°34'52 | 0♏20 | 20°16 | 2°32 | 8° 2 | 0♐ 1 | 24°16 | 10°16 | 16° 0 | 12°41 | 2°58 | 2°14 | 10°25 | 24°45 | T 18 |
| F 19 | 10 27 13 | 8°34'51 | 12°33 | 21°53 | 3°45 | 8°10 | 0° 4 | 24°24 | 10°13 | 16° 2 | 12°42 | 2°53 | 2°10 | 10°32 | 24°49 | F 19 |
| S 20 | 10 31 10 | 9°34'47 | 24°59 | 23°32 | 4°58 | 8°19 | 0° 8 | 24°31 | 10°10 | 16° 4 | 12°42 | 2°49 | 2° 7 | 10°38 | 24°53 | S 20 |
| S 21 | 10 35 6 | 10°34'43 | 7♐42 | 25°11 | 6°11 | 8°28 | 0°11 | 24°38 | 10° 8 | 16° 6 | 12°43 | 2°D48 | 2° 4 | 10°45 | 24°57 | S 21 |
| M22 | 10 39 3 | 11°34'37 | 20°46 | 26°52 | 7°23 | 8°38 | 0°14 | 24°46 | 10° 5 | 16° 8 | 12°44 | 2°49 | 2° 1 | 10°52 | 25° 1 | M22 |
| T 23 | 10 42 59 | 12°34'29 | 4♑14 | 28°34 | 8°36 | 8°49 | 0°16 | 24°53 | 10° 2 | 16°10 | 12°44 | 2°R49 | 1°58 | 10°58 | 25° 5 | T 23 |
| W24 | 10 46 56 | 13°34'19 | 18°10 | 0♓17 | 9°49 | 9° 0 | 0°19 | 25° 1 | 10° 0 | 16°12 | 12°45 | 2°48 | 1°55 | 11° 5 | 25° 9 | W24 |
| T 25 | 10 50 52 | 14°34'07 | 2♒35 | 2° 2 | 11° 2 | 9°11 | 0°21 | 25° 8 | 9°57 | 16°14 | 12°46 | 2°45 | 1°51 | 11°12 | 25°13 | T 25 |
| F 26 | 10 54 49 | 15°33'54 | 17°25 | 3°47 | 12°15 | 9°23 | 0°23 | 25°16 | 9°55 | 16°16 | 12°47 | 2°39 | 1°48 | 11°19 | 25°17 | F 26 |
| S 27 | 10 58 46 | 16°33'39 | 2♓34 | 5°34 | 13°28 | 9°36 | 0°25 | 25°23 | 9°52 | 16°18 | 12°47 | 2°31 | 1°45 | 11°25 | 25°20 | S 27 |
| S 28 | 11 2 42 | 17♓33'22 | 17♓54 | 7♓22 | 14♒41 | 9♋49 | 0♐27 | 25♓31 | 9♍49 | 16♈20 | 12♉48 | 2♉21 | 1♉42 | 11♍32 | 25♒24 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s42 | 2n36 | 5n 4 | 21s37 | 0s32 | 22s 0 | 0n58 | 27n 6 | 3n48 | 18s59 | 0n57 | 5s 2 | 2s 8 | 8n13 | 0n49 | 4n34 | 1s42 | 1n38 | 14s41 | 23s27 | 23s29 | 4n 4 | 8s19 | 5n42 |
| T 2 | 14 23 | 8 34 | 5 7 | 21 30 | 0 40 | 21 57 | 0 55 | 27 5 | 3 46 | 19 1 | 0 57 | 4 59 | 2 8 | 8 14 | 0 49 | 4 34 | 1 42 | 1 39 | 14 41 | 23 27 | 23 29 | 4 1 | 8 18 | 5 42 |
| W 3 | 14 3 | 13 55 | 4 50 | 21 22 | 0 48 | 21 53 | 0 51 | 27 3 | 3 45 | 19 2 | 0 57 | 4 57 | 2 8 | 8 15 | 0 49 | 4 35 | 1 42 | 1 39 | 14 40 | 23 27 | 23 29 | 3 58 | 8 17 | 5 42 |
| T 4 | 13 43 | 18 21 | 4 16 | 21 13 | 0 55 | 21 48 | 0 48 | 27 2 | 3 43 | 19 3 | 0 58 | 4 54 | 2 8 | 8 16 | 0 49 | 4 35 | 1 42 | 1 40 | 14 40 | 23 27 | 23 29 | 3 55 | 8 15 | 5 41 |
| F 5 | 13 23 | 21 39 | 3 28 | 21 3 | 1 2 | 21 43 | 0 45 | 27 0 | 3 41 | 19 4 | 0 58 | 4 51 | 2 8 | 8 17 | 0 49 | 4 36 | 1 42 | 1 40 | 14 40 | 23 27 | 23 29 | 3 53 | 8 14 | 5 41 |
| S 6 | 13 3 | 23 41 | 2 31 | 20 51 | 1 9 | 21 37 | 0 41 | 26 59 | 3 40 | 19 5 | 0 58 | 4 48 | 2 8 | 8 18 | 0 49 | 4 37 | 1 42 | 1 41 | 14 39 | 23 27 | 23 29 | 3 50 | 8 13 | 5 41 |
| S 7 | 12 42 | 24 25 | 1 27 | 20 38 | 1 16 | 21 31 | 0 38 | 26 57 | 3 38 | 19 6 | 0 58 | 4 45 | 2 7 | 8 19 | 0 49 | 4 37 | 1 42 | 1 41 | 14 39 | 23 27 | 23 29 | 3 47 | 8 11 | 5 41 |
| M 8 | 12 22 | 23 52 | 0 21 | 20 23 | 1 22 | 21 24 | 0 34 | 26 55 | 3 37 | 19 8 | 0 58 | 4 42 | 2 7 | 8 20 | 0 49 | 4 38 | 1 42 | 1 41 | 14 39 | 23 27 | 23 29 | 3 44 | 8 10 | 5 41 |
| T 9 | 12 1 | 22 10 | 0s45 | 20 8 | 1 28 | 21 16 | 0 31 | 26 54 | 3 35 | 19 9 | 0 58 | 4 40 | 2 7 | 8 21 | 0 49 | 4 39 | 1 42 | 1 42 | 14 38 | 23 27 | 23 30 | 3 41 | 8 9 | 5 41 |
| W10 | 11 40 | 19 28 | 1 48 | 19 51 | 1 33 | 21 8 | 0 27 | 26 52 | 3 33 | 19 9 | 0 58 | 4 37 | 2 7 | 8 22 | 0 49 | 4 39 | 1 42 | 1 42 | 14 38 | 23 27 | 23 30 | 3 38 | 8 8 | 5 41 |
| T 11 | 11 19 | 15 58 | 2 45 | 19 32 | 1 38 | 20 59 | 0 24 | 26 50 | 3 32 | 19 10 | 0 58 | 4 34 | 2 7 | 8 23 | 0 49 | 4 40 | 1 42 | 1 43 | 14 38 | 23 27 | 23 30 | 3 36 | 8 6 | 5 41 |
| F 12 | 10 57 | 11 51 | 3 35 | 19 12 | 1 43 | 20 49 | 0 20 | 26 48 | 3 30 | 19 11 | 0 58 | 4 31 | 2 7 | 8 24 | 0 49 | 4 41 | 1 42 | 1 43 | 14 37 | 23 27 | 23 30 | 3 33 | 8 5 | 5 41 |
| S 13 | 10 35 | 7 19 | 4 14 | 18 51 | 1 48 | 20 39 | 0 17 | 26 46 | 3 28 | 19 12 | 0 58 | 4 28 | 2 7 | 8 25 | 0 49 | 4 41 | 1 42 | 1 44 | 14 37 | 23 28 | 23 30 | 3 30 | 8 4 | 5 41 |
| S 14 | 10 14 | 2 32 | 4 43 | 18 29 | 1 52 | 20 28 | 0 14 | 26 44 | 3 27 | 19 13 | 0 58 | 4 25 | 2 7 | 8 26 | 0 49 | 4 42 | 1 42 | 1 44 | 14 37 | 23 28 | 23 30 | 3 27 | 8 2 | 5 41 |
| M15 | 9 52 | 2s20 | 4 59 | 18 5 | 1 56 | 20 17 | 0 10 | 26 42 | 3 25 | 19 14 | 0 59 | 4 22 | 2 7 | 8 27 | 0 49 | 4 43 | 1 42 | 1 45 | 14 36 | 23 28 | 23 30 | 3 24 | 8 1 | 5 41 |
| T 16 | 9 30 | 7 8 | 5 3 | 17 40 | 1 59 | 20 5 | 0 7 | 26 40 | 3 23 | 19 14 | 0 59 | 4 19 | 2 7 | 8 28 | 0 49 | 4 44 | 1 42 | 1 45 | 14 36 | 23 29 | 23 30 | 3 21 | 8 0 | 5 41 |
| W17 | 9 8 | 11 41 | 4 53 | 17 13 | 2 2 | 19 52 | 0 4 | 26 38 | 3 22 | 19 15 | 0 59 | 4 16 | 2 7 | 8 29 | 0 49 | 4 44 | 1 42 | 1 45 | 14 36 | 23 29 | 23 30 | 3 19 | 7 58 | 5 41 |
| T 18 | 8 45 | 15 50 | 4 30 | 16 45 | 2 5 | 19 39 | 0 0 | 26 36 | 3 20 | 19 16 | 0 59 | 4 13 | 2 7 | 8 30 | 0 49 | 4 45 | 1 42 | 1 46 | 14 36 | 23 29 | 23 30 | 3 16 | 7 57 | 5 41 |
| F 19 | 8 23 | 19 22 | 3 54 | 16 15 | 2 7 | 19 25 | 0s 3 | 26 34 | 3 18 | 19 16 | 0 59 | 4 10 | 2 7 | 8 31 | 0 49 | 4 46 | 1 42 | 1 46 | 14 35 | 23 29 | 23 30 | 3 13 | 7 56 | 5 41 |
| S 20 | 8 0 | 22 6 | 3 7 | 15 45 | 2 8 | 19 11 | 0 6 | 26 32 | 3 17 | 19 17 | 0 59 | 4 8 | 2 7 | 8 32 | 0 49 | 4 47 | 1 42 | 1 47 | 14 35 | 23 29 | 23 30 | 3 10 | 7 54 | 5 41 |
| S 21 | 7 38 | 23 48 | 2 9 | 15 12 | 2 10 | 18 56 | 0 9 | 26 30 | 3 15 | 19 18 | 0 59 | 4 5 | 2 7 | 8 33 | 0 49 | 4 47 | 1 42 | 1 47 | 14 35 | 23 29 | 23 30 | 3 7 | 7 53 | 5 41 |
| M22 | 7 15 | 24 15 | 1 4 | 14 39 | 2 11 | 18 41 | 0 12 | 26 27 | 3 13 | 19 18 | 0 59 | 4 2 | 2 7 | 8 34 | 0 49 | 4 48 | 1 42 | 1 48 | 14 34 | 23 29 | 23 30 | 3 4 | 7 52 | 5 41 |
| T 23 | 6 52 | 23 20 | 0n 8 | 14 4 | 2 11 | 18 25 | 0 15 | 26 25 | 3 12 | 19 19 | 0 59 | 3 59 | 2 7 | 8 35 | 0 49 | 4 49 | 1 42 | 1 48 | 14 34 | 23 29 | 23 30 | 3 2 | 7 50 | 5 42 |
| W24 | 6 29 | 20 57 | 1 21 | 13 27 | 2 11 | 18 9 | 0 18 | 26 23 | 3 10 | 19 19 | 1 0 | 3 56 | 2 7 | 8 36 | 0 49 | 4 50 | 1 42 | 1 49 | 14 34 | 23 29 | 23 30 | 2 59 | 7 49 | 5 42 |
| T 25 | 6 6 | 17 12 | 2 31 | 12 49 | 2 11 | 17 52 | 0 21 | 26 20 | 3 9 | 19 19 | 1 0 | 3 53 | 2 7 | 8 37 | 0 49 | 4 50 | 1 42 | 1 49 | 14 34 | 23 29 | 23 30 | 2 56 | 7 48 | 5 42 |
| F 26 | 5 43 | 12 17 | 3 33 | 12 10 | 2 10 | 17 34 | 0 24 | 26 18 | 3 7 | 19 20 | 1 0 | 3 50 | 2 7 | 8 38 | 0 49 | 4 51 | 1 42 | 1 50 | 14 33 | 23 30 | 23 30 | 2 53 | 7 46 | 5 42 |
| S 27 | 5 19 | 6 32 | 4 21 | 11 30 | 2 9 | 17 16 | 0 27 | 26 15 | 3 5 | 19 20 | 1 0 | 3 47 | 2 7 | 8 39 | 0 49 | 4 52 | 1 42 | 1 50 | 14 33 | 23 30 | 23 31 | 2 50 | 7 45 | 5 42 |
| S 28 | 4s56 | 0s20 | 4n52 | 10s48 | 2s 7 | 16s58 | 0s30 | 26n13 | 3n 4 | 19s20 | 1n 0 | 3s44 | 2s 7 | 8n40 | 0n49 | 4n53 | 1s42 | 1n51 | 14s33 | 23s30 | 23s31 | 2n48 | 7s44 | 5n42 |

Julian Day Number = 2224403.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'55, Lahiri = 15°10'55 Julian Calendar 1 Feb. 1378 == Greg. Calendar 9 Feb. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## MARCH 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 6 39 | 18♓33'03 | 3♈12 | 9♓11 | 15♒54 | 10♋ 3 | 0♐29 | 25♓38 | 9°R47 | 16♈22 | 12♉49 | 2°R10 | 1♑39 | 11♍39 | 25♒28 | M 1 |
| T 2 | 11 10 35 | 19°32'41 | 18°18 | 11° 1 | 17° 7 | 10°17 | 0°30 | 25°46 | 9♍44 | 16°24 | 12°50 | 1♑59 | 1°35 | 11°45 | 25°32 | T 2 |
| W 3 | 11 14 32 | 20°32'18 | 3♉ 1 | 12°53 | 18°19 | 10°31 | 0°31 | 25°53 | 9°42 | 16°26 | 12°51 | 1°51 | 1°32 | 11°52 | 25°36 | W 3 |
| T 4 | 11 18 28 | 21°31'52 | 17°16 | 14°46 | 19°32 | 10°47 | 0°32 | 26° 1 | 9°39 | 16°28 | 12°52 | 1°44 | 1°29 | 11°59 | 25°39 | T 4 |
| F 5 | 11 22 25 | 22°31'24 | 1♊ 2 | 16°40 | 20°45 | 11° 2 | 0°33 | 26° 8 | 9°37 | 16°30 | 12°53 | 1°41 | 1°26 | 12° 6 | 25°43 | F 5 |
| S 6 | 11 26 21 | 23°30'54 | 14°18 | 18°35 | 21°58 | 11°18 | 0°34 | 26°16 | 9°34 | 16°32 | 12°54 | 1°39 | 1°23 | 12°12 | 25°47 | S 6 |
| S 7 | 11 30 18 | 24°30'21 | 27° 9 | 20°32 | 23°11 | 11°35 | 0°34 | 26°23 | 9°32 | 16°34 | 12°55 | 1°39 | 1°20 | 12°19 | 25°51 | S 7 |
| M 8 | 11 34 15 | 25°29'46 | 9♋38 | 22°29 | 24°24 | 11°51 | 0°34 | 26°31 | 9°29 | 16°37 | 12°56 | 1°39 | 1°16 | 12°26 | 25°54 | M 8 |
| T 9 | 11 38 11 | 26°29'09 | 21°51 | 24°28 | 25°37 | 12° 9 | 0°R35 | 26°38 | 9°27 | 16°39 | 12°56 | 1°38 | 1°13 | 12°32 | 25°58 | T 9 |
| W10 | 11 42 8 | 27°28'29 | 3♌53 | 26°28 | 26°50 | 12°26 | 0°34 | 26°46 | 9°24 | 16°41 | 12°57 | 1°34 | 1°10 | 12°39 | 26° 2 | W10 |
| T 11 | 11 46 4 | 28°27'47 | 15°48 | 28°29 | 28° 3 | 12°45 | 0°34 | 26°53 | 9°22 | 16°43 | 12°58 | 1°28 | 1° 7 | 12°46 | 26° 5 | T 11 |
| F 12 | 11 50 1 | 29°27'02 | 27°39 | 0♈30 | 29°17 | 13° 3 | 0°34 | 27° 1 | 9°19 | 16°45 | 12°59 | 1°19 | 1° 4 | 12°53 | 26° 9 | F 12 |
| S 13 | 11 53 57 | 0♈26'16 | 9♍30 | 2°33 | 0♓30 | 13°22 | 0°33 | 27° 8 | 9°17 | 16°47 | 13° 1 | 1° 8 | 1° 1 | 12°59 | 26°12 | S 13 |
| S 14 | 11 57 54 | 1°25'27 | 21°22 | 4°36 | 1°43 | 13°41 | 0°32 | 27°16 | 9°15 | 16°50 | 13° 2 | 0°54 | 0°57 | 13° 6 | 26°16 | S 14 |
| M15 | 12 1 50 | 2°24'36 | 3♎18 | 6°39 | 2°56 | 14° 1 | 0°31 | 27°23 | 9°12 | 16°52 | 13° 3 | 0°40 | 0°54 | 13°13 | 26°19 | M15 |
| T 16 | 12 5 47 | 3°23'43 | 15°18 | 8°43 | 4° 9 | 14°21 | 0°30 | 27°31 | 9°10 | 16°54 | 13° 4 | 0°25 | 0°51 | 13°19 | 26°23 | T 16 |
| W17 | 12 9 43 | 4°22'48 | 27°24 | 10°47 | 5°22 | 14°41 | 0°28 | 27°38 | 9° 8 | 16°56 | 13° 5 | 0°13 | 0°48 | 13°26 | 26°26 | W17 |
| T 18 | 12 13 40 | 5°21'51 | 9♏37 | 12°50 | 6°35 | 15° 2 | 0°27 | 27°46 | 9° 5 | 16°58 | 13° 6 | 0° 2 | 0°45 | 13°33 | 26°29 | T 18 |
| F 19 | 12 17 37 | 6°20'52 | 21°58 | 14°53 | 7°48 | 15°23 | 0°25 | 27°53 | 9° 3 | 17° 1 | 13° 7 | 29♐55 | 0°41 | 13°40 | 26°33 | F 19 |
| S 20 | 12 21 33 | 7°19'52 | 4♐31 | 16°55 | 9° 1 | 15°44 | 0°23 | 28° 1 | 9° 1 | 17° 3 | 13° 8 | 29°50 | 0°38 | 13°46 | 26°36 | S 20 |
| S 21 | 12 25 30 | 8°18'50 | 17°17 | 18°56 | 10°14 | 16° 6 | 0°21 | 28° 8 | 8°59 | 17° 5 | 13° 9 | 29°48 | 0°35 | 13°53 | 26°39 | S 21 |
| M22 | 12 29 26 | 9°17'45 | 0♑20 | 20°55 | 11°28 | 16°28 | 0°19 | 28°16 | 8°57 | 17° 7 | 13°10 | 29°D48 | 0°32 | 14° 0 | 26°43 | M22 |
| T 23 | 12 33 23 | 10°16'40 | 13°44 | 22°53 | 12°41 | 16°50 | 0°16 | 28°23 | 8°54 | 17°10 | 13°12 | 29°R48 | 0°29 | 14° 6 | 26°46 | T 23 |
| W24 | 12 37 19 | 11°15'32 | 27°30 | 24°48 | 13°54 | 17°12 | 0°13 | 28°31 | 8°52 | 17°12 | 13°13 | 29°47 | 0°26 | 14°13 | 26°49 | W24 |
| T 25 | 12 41 16 | 12°14'22 | 11♒41 | 26°40 | 15° 7 | 17°35 | 0°11 | 28°38 | 8°50 | 17°14 | 13°14 | 29°44 | 0°22 | 14°20 | 26°52 | T 25 |
| F 26 | 12 45 12 | 13°13'11 | 26°16 | 28°30 | 16°20 | 17°58 | 0° 7 | 28°46 | 8°48 | 17°16 | 13°15 | 29°39 | 0°19 | 14°27 | 26°55 | F 26 |
| S 27 | 12 49 9 | 14°11'58 | 11♓10 | 0♉16 | 17°33 | 18°22 | 0° 4 | 28°53 | 8°46 | 17°19 | 13°16 | 29°31 | 0°16 | 14°33 | 26°58 | S 27 |
| S 28 | 12 53 6 | 15°10'43 | 26°16 | 1°58 | 18°47 | 18°45 | 0° 1 | 29° 0 | 8°44 | 17°21 | 13°17 | 29°22 | 0°13 | 14°40 | 27° 1 | S 28 |
| M29 | 12 57 2 | 16° 9'27 | 11♈25 | 3°37 | 20° 0 | 19° 9 | 29♏57 | 29° 8 | 8°42 | 17°23 | 13°19 | 29°11 | 0°10 | 14°47 | 27° 4 | M29 |
| T 30 | 13 0 59 | 17° 8'08 | 26°27 | 5°11 | 21°13 | 19°33 | 29°54 | 29°15 | 8°40 | 17°25 | 13°20 | 29° 1 | 0° 6 | 14°53 | 27° 7 | T 30 |
| W31 | 13 4 55 | 18♈ 6'47 | 11♉11 | 6♉42 | 22♓26 | 19♋58 | 29♏50 | 29♓22 | 8♍39 | 17♈28 | 13♉21 | 28♐52 | 0♑ 3 | 15♍ 0 | 27♒10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s33 | 5n53 | 5n 1 | 10s 5 | 2s 5 | 16s39 | 0s33 | 26n10 | 3n 2 | 19s20 | 1n 0 | 3s41 | 2s 7 | 8n41 | 0n49 | 4n54 | 1s41 | 1n51 | 14s32 | 23s30 | 23s31 | 2n45 | 7s42 | 5n42 |
| T 2 | 4 9 | 11 39 | 4 49 | 9 20 | 2 2 | 16 20 | 0 36 | 26 7 | 3 1 | 19 21 | 1 0 | 3 38 | 2 7 | 8 42 | 0 49 | 4 54 | 1 41 | 1 52 | 14 32 | 23 30 | 23 31 | 2 42 | 7 41 | 5 42 |
| W 3 | 3 46 | 16 36 | 4 18 | 8 34 | 1 58 | 16 0 | 0 38 | 26 4 | 2 59 | 19 21 | 1 0 | 3 35 | 2 7 | 8 43 | 0 49 | 4 55 | 1 41 | 1 52 | 14 32 | 23 30 | 23 31 | 2 39 | 7 40 | 5 42 |
| T 4 | 3 22 | 20 26 | 3 32 | 7 47 | 1 55 | 15 40 | 0 41 | 26 2 | 2 57 | 19 21 | 1 0 | 3 32 | 2 7 | 8 44 | 0 49 | 4 56 | 1 41 | 1 53 | 14 32 | 23 31 | 23 31 | 2 36 | 7 38 | 5 42 |
| F 5 | 2 59 | 22 57 | 2 34 | 6 58 | 1 50 | 15 19 | 0 44 | 25 59 | 2 56 | 19 21 | 1 0 | 3 29 | 2 7 | 8 45 | 0 49 | 4 57 | 1 41 | 1 53 | 14 31 | 23 31 | 23 31 | 2 34 | 7 37 | 5 42 |
| S 6 | 2 35 | 24 5 | 1 30 | 6 9 | 1 45 | 14 58 | 0 46 | 25 56 | 2 54 | 19 21 | 1 0 | 3 26 | 2 7 | 8 46 | 0 49 | 4 58 | 1 41 | 1 54 | 14 31 | 23 31 | 23 31 | 2 31 | 7 36 | 5 42 |
| S 7 | 2 11 | 23 53 | 0 24 | 5 18 | 1 40 | 14 36 | 0 49 | 25 53 | 2 53 | 19 21 | 1 1 | 3 23 | 2 7 | 8 47 | 0 49 | 4 59 | 1 41 | 1 54 | 14 31 | 23 31 | 23 31 | 2 28 | 7 34 | 5 43 |
| M 8 | 1 48 | 22 28 | 0s42 | 4 26 | 1 34 | 14 14 | 0 51 | 25 50 | 2 51 | 19 21 | 1 1 | 3 20 | 2 7 | 8 48 | 0 49 | 4 59 | 1 41 | 1 55 | 14 31 | 23 31 | 23 31 | 2 25 | 7 33 | 5 43 |
| T 9 | 1 24 | 20 1 | 1 45 | 3 33 | 1 28 | 13 52 | 0 54 | 25 47 | 2 50 | 19 21 | 1 1 | 3 17 | 2 7 | 8 48 | 0 49 | 5 0 | 1 41 | 1 55 | 14 30 | 23 31 | 23 31 | 2 22 | 7 32 | 5 43 |
| W10 | 1 0 | 16 44 | 2 41 | 2 39 | 1 21 | 13 29 | 0 56 | 25 44 | 2 48 | 19 21 | 1 1 | 3 14 | 2 7 | 8 49 | 0 49 | 5 1 | 1 41 | 1 56 | 14 30 | 23 31 | 23 31 | 2 19 | 7 30 | 5 43 |
| T 11 | 0 37 | 12 48 | 3 30 | 1 43 | 1 13 | 13 6 | 0 58 | 25 40 | 2 47 | 19 21 | 1 1 | 3 11 | 2 7 | 8 50 | 0 49 | 5 2 | 1 41 | 1 56 | 14 30 | 23 31 | 23 31 | 2 17 | 7 29 | 5 43 |
| F 12 | 0 13 | 8 25 | 4 10 | 0 47 | 1 5 | 12 42 | 1 0 | 25 37 | 2 45 | 19 21 | 1 1 | 3 8 | 2 7 | 8 51 | 0 49 | 5 3 | 1 41 | 1 57 | 14 30 | 23 31 | 23 31 | 2 14 | 7 28 | 5 43 |
| S 13 | 0n10 | 3 44 | 4 39 | 0n 9 | 0 56 | 12 19 | 1 3 | 25 34 | 2 44 | 19 20 | 1 1 | 3 5 | 2 7 | 8 52 | 0 49 | 5 4 | 1 41 | 1 57 | 14 29 | 23 31 | 23 31 | 2 11 | 7 26 | 5 43 |
| S 14 | 0 34 | 1s 5 | 4 55 | 1 7 | 0 47 | 11 55 | 1 5 | 25 30 | 2 42 | 19 20 | 1 1 | 3 2 | 2 7 | 8 53 | 0 49 | 5 5 | 1 41 | 1 58 | 14 29 | 23 31 | 23 31 | 2 8 | 7 25 | 5 43 |
| M15 | 0 58 | 5 53 | 4 59 | 2 4 | 0 38 | 11 30 | 1 7 | 25 27 | 2 41 | 19 20 | 1 1 | 2 59 | 2 7 | 8 54 | 0 49 | 5 5 | 1 41 | 1 58 | 14 29 | 23 31 | 23 31 | 2 5 | 7 24 | 5 44 |
| T 16 | 1 21 | 10 29 | 4 49 | 3 3 | 0 28 | 11 5 | 1 9 | 25 23 | 2 40 | 19 19 | 1 1 | 2 56 | 2 7 | 8 55 | 0 49 | 5 6 | 1 41 | 1 59 | 14 29 | 23 31 | 23 31 | 2 3 | 7 22 | 5 44 |
| W17 | 1 45 | 14 44 | 4 27 | 4 1 | 0 17 | 10 40 | 1 11 | 25 20 | 2 38 | 19 19 | 1 1 | 2 53 | 2 7 | 8 56 | 0 49 | 5 7 | 1 41 | 1 59 | 14 29 | 23 31 | 23 31 | 2 0 | 7 21 | 5 44 |
| T 18 | 2 8 | 18 24 | 3 52 | 4 59 | 0 7 | 10 15 | 1 12 | 25 16 | 2 37 | 19 19 | 1 2 | 2 50 | 2 7 | 8 56 | 0 49 | 5 8 | 1 41 | 2 0 | 14 28 | 23 31 | 23 31 | 1 57 | 7 20 | 5 44 |
| F 19 | 2 32 | 21 18 | 3 5 | 5 57 | 0n 4 | 9 49 | 1 14 | 25 12 | 2 35 | 19 18 | 1 2 | 2 47 | 2 7 | 8 57 | 0 49 | 5 9 | 1 41 | 2 0 | 14 28 | 23 31 | 23 31 | 1 54 | 7 19 | 5 44 |
| S 20 | 2 55 | 23 14 | 2 9 | 6 54 | 0 15 | 9 23 | 1 16 | 25 8 | 2 34 | 19 18 | 1 2 | 2 44 | 2 7 | 8 58 | 0 49 | 5 10 | 1 41 | 2 1 | 14 28 | 23 31 | 23 31 | 1 51 | 7 17 | 5 44 |
| S 21 | 3 18 | 24 0 | 1 6 | 7 51 | 0 27 | 8 57 | 1 17 | 25 4 | 2 33 | 19 17 | 1 2 | 2 41 | 2 7 | 8 59 | 0 49 | 5 11 | 1 41 | 2 1 | 14 28 | 23 31 | 23 31 | 1 49 | 7 16 | 5 45 |
| M22 | 3 42 | 23 28 | 0n 3 | 8 47 | 0 38 | 8 30 | 1 19 | 25 0 | 2 31 | 19 17 | 1 2 | 2 38 | 2 7 | 9 0 | 0 49 | 5 11 | 1 41 | 2 2 | 14 28 | 23 31 | 23 31 | 1 46 | 7 15 | 5 45 |
| T 23 | 4 5 | 21 36 | 1 13 | 9 42 | 0 50 | 8 4 | 1 21 | 24 56 | 2 30 | 19 16 | 1 2 | 2 35 | 2 7 | 9 0 | 0 49 | 5 12 | 1 41 | 2 2 | 14 27 | 23 31 | 23 31 | 1 43 | 7 14 | 5 45 |
| W24 | 4 28 | 18 26 | 2 21 | 10 35 | 1 1 | 7 37 | 1 22 | 24 52 | 2 29 | 19 15 | 1 2 | 2 33 | 2 8 | 9 1 | 0 48 | 5 13 | 1 41 | 2 3 | 14 27 | 23 31 | 23 31 | 1 40 | 7 12 | 5 45 |
| T 25 | 4 51 | 14 6 | 3 22 | 11 27 | 1 12 | 7 10 | 1 23 | 24 48 | 2 27 | 19 15 | 1 2 | 2 30 | 2 8 | 9 2 | 0 48 | 5 14 | 1 41 | 2 3 | 14 27 | 23 31 | 23 31 | 1 37 | 7 11 | 5 45 |
| F 26 | 5 14 | 8 51 | 4 12 | 12 16 | 1 23 | 6 42 | 1 25 | 24 43 | 2 26 | 19 14 | 1 2 | 2 27 | 2 8 | 9 3 | 0 48 | 5 15 | 1 41 | 2 4 | 14 27 | 23 31 | 23 31 | 1 35 | 7 10 | 5 46 |
| S 27 | 5 37 | 3 0 | 4 46 | 13 4 | 1 34 | 6 15 | 1 26 | 24 39 | 2 25 | 19 13 | 1 2 | 2 24 | 2 8 | 9 3 | 0 48 | 5 16 | 1 41 | 2 4 | 14 27 | 23 31 | 23 31 | 1 32 | 7 9 | 5 46 |
| S 28 | 6 0 | 3n 7 | 5 1 | 13 50 | 1 44 | 5 47 | 1 27 | 24 34 | 2 23 | 19 12 | 1 2 | 2 21 | 2 8 | 9 4 | 0 48 | 5 17 | 1 41 | 2 5 | 14 26 | 23 31 | 23 31 | 1 29 | 7 7 | 5 46 |
| M29 | 6 23 | 9 3 | 4 55 | 14 33 | 1 54 | 5 19 | 1 28 | 24 30 | 2 22 | 19 12 | 1 2 | 2 18 | 2 8 | 9 5 | 0 48 | 5 17 | 1 41 | 2 5 | 14 26 | 23 31 | 23 31 | 1 26 | 7 6 | 5 46 |
| T 30 | 6 45 | 14 24 | 4 28 | 15 14 | 2 3 | 4 51 | 1 29 | 24 25 | 2 21 | 19 11 | 1 2 | 2 15 | 2 8 | 9 5 | 0 48 | 5 18 | 1 41 | 2 6 | 14 26 | 23 31 | 23 31 | 1 23 | 7 5 | 5 46 |
| W31 | 7n 8 | 18n46 | 3n44 | 15n52 | 2n12 | 4s23 | 1s30 | 24n20 | 2n20 | 19s10 | 1n 2 | 2s13 | 2s 8 | 9n 6 | 0n48 | 5n19 | 1s41 | 2n 6 | 14s26 | 23s31 | 23s31 | 1n21 | 7s 4 | 5n47 |

Julian Day Number = 2224431.5, Delta T = 08m27s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°03'59, Lahiri = 15°10'59 Julian Calendar 1 March 1378 == Greg. Calendar 9 March 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## APRIL 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 8 52 | 19♈ 5'24 | 25♉31 | 8♉ 7 | 23♓39 | 20♋23 | 29°R46 | 29♓30 | 8°R37 | 17♈30 | 13♉22 | 28°R46 | 0♊ 0 | 15♍ 7 | 27♒13 | T 1 |
| F 2 | 13 12 48 | 20° 4'00 | 9♊22 | 9°28 | 24°53 | 20°48 | 29♏41 | 29°37 | 8♍35 | 17°32 | 13°24 | 28♐42 | 29♐57 | 15°14 | 27°16 | F 2 |
| S 3 | 13 16 45 | 21° 2'33 | 22°45 | 10°44 | 26° 6 | 21°13 | 29°37 | 29°44 | 8°33 | 17°34 | 13°25 | 28°D40 | 29°54 | 15°20 | 27°19 | S 3 |
| S 4 | 13 20 41 | 22° 1'03 | 5♋41 | 11°55 | 27°19 | 21°38 | 29°32 | 29°51 | 8°32 | 17°37 | 13°26 | 28°40 | 29°51 | 15°27 | 27°21 | S 4 |
| M 5 | 13 24 38 | 22°59'32 | 18°14 | 13° 1 | 28°32 | 22° 4 | 29°28 | 29°58 | 8°30 | 17°39 | 13°27 | 28°R41 | 29°47 | 15°34 | 27°24 | M 5 |
| T 6 | 13 28 35 | 23°57'58 | 0♌29 | 14° 2 | 29°46 | 22°30 | 29°23 | 0♈ 5 | 8°28 | 17°41 | 13°29 | 28°41 | 29°44 | 15°41 | 27°27 | T 6 |
| W 7 | 13 32 31 | 24°56'23 | 12°32 | 14°57 | 0♈59 | 22°56 | 29°18 | 0°13 | 8°27 | 17°43 | 13°30 | 28°39 | 29°41 | 15°47 | 27°29 | W 7 |
| T 8 | 13 36 28 | 25°54'45 | 24°26 | 15°47 | 2°12 | 23°22 | 29°13 | 0°20 | 8°25 | 17°46 | 13°31 | 28°35 | 29°38 | 15°54 | 27°32 | T 8 |
| F 9 | 13 40 24 | 26°53'05 | 6♍17 | 16°32 | 3°25 | 23°49 | 29° 7 | 0°27 | 8°24 | 17°48 | 13°33 | 28°29 | 29°35 | 16° 1 | 27°34 | F 9 |
| S 10 | 13 44 21 | 27°51'22 | 18° 9 | 17°11 | 4°38 | 24°16 | 29° 2 | 0°34 | 8°22 | 17°50 | 13°34 | 28°20 | 29°32 | 16° 7 | 27°37 | S 10 |
| S 11 | 13 48 17 | 28°49'38 | 0♎ 4 | 17°44 | 5°52 | 24°43 | 28°56 | 0°41 | 8°21 | 17°52 | 13°35 | 28°10 | 29°28 | 16°14 | 27°39 | S 11 |
| M12 | 13 52 14 | 29°47'52 | 12° 4 | 18°12 | 7° 5 | 25°10 | 28°51 | 0°48 | 8°20 | 17°55 | 13°37 | 27°59 | 29°25 | 16°21 | 27°41 | M12 |
| T 13 | 13 56 10 | 0♉46'04 | 24°13 | 18°35 | 8°18 | 25°37 | 28°45 | 0°54 | 8°18 | 17°57 | 13°38 | 27°48 | 29°22 | 16°28 | 27°44 | T 13 |
| W14 | 14 0 7 | 1°44'15 | 6♏30 | 18°51 | 9°31 | 26° 5 | 28°39 | 1° 1 | 8°17 | 17°59 | 13°39 | 27°39 | 29°19 | 16°34 | 27°46 | W14 |
| T 15 | 14 4 4 | 2°42'23 | 18°56 | 19° 3 | 10°44 | 26°32 | 28°33 | 1° 8 | 8°16 | 18° 1 | 13°41 | 27°31 | 29°16 | 16°41 | 27°48 | T 15 |
| F 16 | 14 8 0 | 3°40'30 | 1♐33 | 19° 9 | 11°58 | 27° 0 | 28°27 | 1°15 | 8°15 | 18° 4 | 13°42 | 27°26 | 29°12 | 16°48 | 27°50 | F 16 |
| S 17 | 14 11 57 | 4°38'36 | 14°20 | 19°R 9 | 13°11 | 27°28 | 28°20 | 1°22 | 8°14 | 18° 6 | 13°43 | 27°23 | 29° 9 | 16°54 | 27°53 | S 17 |
| S 18 | 14 15 53 | 5°36'39 | 27°20 | 19° 5 | 14°24 | 27°56 | 28°14 | 1°28 | 8°13 | 18° 8 | 13°45 | 27°D22 | 29° 6 | 17° 1 | 27°55 | S 18 |
| M19 | 14 19 50 | 6°34'42 | 10♑33 | 18°55 | 15°37 | 28°25 | 28° 7 | 1°35 | 8°12 | 18°10 | 13°46 | 27°22 | 29° 3 | 17° 8 | 27°57 | M19 |
| T 20 | 14 23 46 | 7°32'43 | 24° 2 | 18°41 | 16°51 | 28°53 | 28° 1 | 1°42 | 8°11 | 18°12 | 13°47 | 27°23 | 29° 0 | 17°15 | 27°59 | T 20 |
| W21 | 14 27 43 | 8°30'43 | 7♒47 | 18°23 | 18° 4 | 29°22 | 27°54 | 1°48 | 8°10 | 18°14 | 13°49 | 27°R24 | 28°57 | 17°21 | 28° 1 | W21 |
| T 22 | 14 31 39 | 9°28'41 | 21°50 | 18° 0 | 19°17 | 29°51 | 27°47 | 1°55 | 8° 9 | 18°17 | 13°50 | 27°23 | 28°53 | 17°28 | 28° 2 | T 22 |
| F 23 | 14 35 36 | 10°26'38 | 6♓10 | 17°35 | 20°30 | 0♌20 | 27°40 | 2° 1 | 8° 8 | 18°19 | 13°51 | 27°21 | 28°50 | 17°35 | 28° 4 | F 23 |
| S 24 | 14 39 33 | 11°24'33 | 20°44 | 17° 6 | 21°44 | 0°49 | 27°33 | 2° 8 | 8° 7 | 18°21 | 13°53 | 27°16 | 28°47 | 17°41 | 28° 6 | S 24 |
| S 25 | 14 43 29 | 12°22'28 | 5♈28 | 16°34 | 22°57 | 1°19 | 27°26 | 2°14 | 8° 7 | 18°23 | 13°54 | 27°11 | 28°44 | 17°48 | 28° 8 | S 25 |
| M26 | 14 47 26 | 13°20'21 | 20°14 | 16° 1 | 24°10 | 1°48 | 27°19 | 2°20 | 8° 6 | 18°25 | 13°55 | 27° 4 | 28°41 | 17°55 | 28° 9 | M26 |
| T 27 | 14 51 22 | 14°18'12 | 4♉56 | 15°26 | 25°24 | 2°18 | 27°12 | 2°27 | 8° 6 | 18°27 | 13°57 | 26°57 | 28°38 | 18° 2 | 28°11 | T 27 |
| W28 | 14 55 19 | 15°16'03 | 19°25 | 14°51 | 26°37 | 2°48 | 27° 4 | 2°33 | 8° 5 | 18°29 | 13°58 | 26°52 | 28°34 | 18° 8 | 28°12 | W28 |
| T 29 | 14 59 15 | 16°13'52 | 3♊35 | 14°16 | 27°50 | 3°18 | 26°57 | 2°39 | 8° 4 | 18°31 | 13°59 | 26°48 | 28°31 | 18°15 | 28°14 | T 29 |
| F 30 | 15 3 12 | 17♉11'39 | 17♊22 | 13♉41 | 29♈ 3 | 3♌48 | 26♏50 | 2♈45 | 8♍ 4 | 18♈33 | 14♉ 1 | 26♐46 | 28♐28 | 18♍22 | 28♒15 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n30 | 21n54 | 2n46 | 16n28 | 2n20 | 3s55 | 1s31 | 24n15 | 2n18 | 19s 9 | 1n 2 | 2s10 | 2s 8 | 9n 7 | 0n48 | 5n20 | 1s41 | 2n 7 | 14s26 | 23s31 | 23s31 | 1n18 | 7s 3 | 5n47 |
| F 2 | 7 52 | 23 35 | 1 41 | 17 1 | 2 27 | 3 26 | 1 31 | 24 10 | 2 17 | 19 8 | 1 3 | 2 7 | 2 8 | 9 7 | 0 48 | 5 21 | 1 41 | 2 7 | 14 26 | 23 31 | 23 31 | 1 15 | 7 2 | 5 47 |
| S 3 | 8 14 | 23 51 | 0 31 | 17 31 | 2 33 | 2 58 | 1 32 | 24 5 | 2 16 | 19 7 | 1 3 | 2 4 | 2 8 | 9 8 | 0 48 | 5 22 | 1 41 | 2 8 | 14 26 | 23 31 | 23 31 | 1 12 | 7 0 | 5 47 |
| S 4 | 8 36 | 22 47 | 0s37 | 17 59 | 2 39 | 2 29 | 1 33 | 23 59 | 2 15 | 19 6 | 1 3 | 2 1 | 2 9 | 9 9 | 0 48 | 5 23 | 1 41 | 2 8 | 14 25 | 23 31 | 23 31 | 1 9 | 6 59 | 5 47 |
| M 5 | 8 58 | 20 35 | 1 42 | 18 23 | 2 43 | 2 1 | 1 33 | 23 54 | 2 14 | 19 5 | 1 3 | 1 59 | 2 9 | 9 9 | 0 48 | 5 23 | 1 41 | 2 9 | 14 25 | 23 31 | 23 31 | 1 7 | 6 58 | 5 48 |
| T 6 | 9 20 | 17 30 | 2 41 | 18 45 | 2 47 | 1 32 | 1 34 | 23 49 | 2 12 | 19 4 | 1 3 | 1 56 | 2 9 | 9 10 | 0 48 | 5 24 | 1 41 | 2 9 | 14 25 | 23 31 | 23 31 | 1 4 | 6 57 | 5 48 |
| W 7 | 9 41 | 13 43 | 3 31 | 19 4 | 2 49 | 1 3 | 1 34 | 23 43 | 2 11 | 19 3 | 1 3 | 1 53 | 2 9 | 9 10 | 0 48 | 5 25 | 1 41 | 2 10 | 14 25 | 23 31 | 23 31 | 1 1 | 6 56 | 5 48 |
| T 8 | 10 3 | 9 28 | 4 12 | 19 21 | 2 51 | 0 34 | 1 35 | 23 37 | 2 10 | 19 2 | 1 3 | 1 50 | 2 9 | 9 11 | 0 48 | 5 26 | 1 41 | 2 10 | 14 25 | 23 31 | 23 31 | 0 58 | 6 55 | 5 48 |
| F 9 | 10 24 | 4 52 | 4 41 | 19 34 | 2 51 | 0 5 | 1 35 | 23 32 | 2 9 | 19 1 | 1 3 | 1 48 | 2 9 | 9 11 | 0 48 | 5 27 | 1 41 | 2 11 | 14 25 | 23 31 | 23 31 | 0 56 | 6 54 | 5 49 |
| S 10 | 10 45 | 0 7 | 4 59 | 19 45 | 2 51 | 0n24 | 1 35 | 23 26 | 2 8 | 18 59 | 1 3 | 1 45 | 2 9 | 9 12 | 0 48 | 5 28 | 1 41 | 2 11 | 14 25 | 23 31 | 23 31 | 0 53 | 6 53 | 5 49 |
| S 11 | 11 6 | 4s40 | 5 3 | 19 53 | 2 49 | 0 53 | 1 35 | 23 20 | 2 6 | 18 58 | 1 3 | 1 42 | 2 9 | 9 12 | 0 48 | 5 29 | 1 41 | 2 12 | 14 25 | 23 30 | 23 31 | 0 50 | 6 52 | 5 49 |
| M12 | 11 26 | 9 18 | 4 55 | 19 58 | 2 46 | 1 22 | 1 35 | 23 14 | 2 5 | 18 57 | 1 3 | 1 40 | 2 9 | 9 13 | 0 48 | 5 29 | 1 41 | 2 12 | 14 24 | 23 30 | 23 31 | 0 47 | 6 51 | 5 49 |
| T 13 | 11 47 | 13 38 | 4 33 | 20 0 | 2 42 | 1 51 | 1 35 | 23 7 | 2 4 | 18 56 | 1 3 | 1 37 | 2 10 | 9 13 | 0 48 | 5 30 | 1 41 | 2 13 | 14 24 | 23 30 | 23 31 | 0 44 | 6 50 | 5 50 |
| W14 | 12 7 | 17 28 | 3 58 | 20 0 | 2 36 | 2 20 | 1 35 | 23 1 | 2 3 | 18 54 | 1 3 | 1 34 | 2 10 | 9 14 | 0 48 | 5 31 | 1 41 | 2 13 | 14 24 | 23 30 | 23 31 | 0 42 | 6 49 | 5 50 |
| T 15 | 12 27 | 20 34 | 3 11 | 19 56 | 2 30 | 2 49 | 1 35 | 22 55 | 2 2 | 18 53 | 1 3 | 1 32 | 2 10 | 9 14 | 0 48 | 5 32 | 1 41 | 2 14 | 14 24 | 23 30 | 23 31 | 0 39 | 6 48 | 5 50 |
| F 16 | 12 47 | 22 43 | 2 14 | 19 50 | 2 22 | 3 18 | 1 35 | 22 48 | 2 1 | 18 52 | 1 3 | 1 29 | 2 10 | 9 15 | 0 48 | 5 33 | 1 41 | 2 14 | 14 24 | 23 30 | 23 31 | 0 36 | 6 47 | 5 50 |
| S 17 | 13 7 | 23 45 | 1 9 | 19 42 | 2 13 | 3 46 | 1 34 | 22 42 | 2 0 | 18 50 | 1 3 | 1 27 | 2 10 | 9 15 | 0 48 | 5 34 | 1 41 | 2 14 | 14 24 | 23 30 | 23 31 | 0 33 | 6 46 | 5 51 |
| S 18 | 13 26 | 23 30 | 0 0 | 19 31 | 2 3 | 4 15 | 1 34 | 22 35 | 1 59 | 18 49 | 1 3 | 1 24 | 2 10 | 9 15 | 0 48 | 5 34 | 1 41 | 2 15 | 14 24 | 23 30 | 23 31 | 0 30 | 6 45 | 5 51 |
| M19 | 13 45 | 21 56 | 1n10 | 19 17 | 1 51 | 4 44 | 1 34 | 22 28 | 1 58 | 18 47 | 1 3 | 1 22 | 2 10 | 9 16 | 0 48 | 5 35 | 1 41 | 2 15 | 14 24 | 23 30 | 23 31 | 0 28 | 6 44 | 5 51 |
| T 20 | 14 4 | 19 6 | 2 19 | 19 1 | 1 39 | 5 12 | 1 33 | 22 21 | 1 57 | 18 46 | 1 3 | 1 19 | 2 11 | 9 16 | 0 48 | 5 36 | 1 41 | 2 16 | 14 24 | 23 30 | 23 31 | 0 25 | 6 43 | 5 52 |
| W21 | 14 23 | 15 10 | 3 20 | 18 43 | 1 25 | 5 41 | 1 33 | 22 14 | 1 55 | 18 44 | 1 3 | 1 17 | 2 11 | 9 16 | 0 48 | 5 37 | 1 41 | 2 16 | 14 24 | 23 30 | 23 31 | 0 22 | 6 42 | 5 52 |
| T 22 | 14 42 | 10 19 | 4 11 | 18 23 | 1 11 | 6 9 | 1 32 | 22 7 | 1 54 | 18 43 | 1 3 | 1 14 | 2 11 | 9 17 | 0 48 | 5 38 | 1 41 | 2 17 | 14 24 | 23 30 | 23 31 | 0 19 | 6 41 | 5 52 |
| F 23 | 15 0 | 4 49 | 4 47 | 18 1 | 0 55 | 6 38 | 1 31 | 21 59 | 1 53 | 18 41 | 1 3 | 1 12 | 2 11 | 9 17 | 0 47 | 5 38 | 1 41 | 2 17 | 14 24 | 23 30 | 23 31 | 0 17 | 6 40 | 5 52 |
| S 24 | 15 18 | 1n 0 | 5 6 | 17 37 | 0 39 | 7 6 | 1 30 | 21 52 | 1 52 | 18 40 | 1 3 | 1 9 | 2 11 | 9 17 | 0 47 | 5 39 | 1 41 | 2 18 | 14 24 | 23 30 | 23 31 | 0 14 | 6 39 | 5 53 |
| S 25 | 15 36 | 6 50 | 5 5 | 17 12 | 0 23 | 7 34 | 1 30 | 21 45 | 1 51 | 18 38 | 1 3 | 1 7 | 2 11 | 9 17 | 0 47 | 5 40 | 1 42 | 2 18 | 14 24 | 23 29 | 23 31 | 0 11 | 6 38 | 5 53 |
| M26 | 15 54 | 12 18 | 4 43 | 16 47 | 0 6 | 8 2 | 1 29 | 21 37 | 1 50 | 18 37 | 1 3 | 1 5 | 2 11 | 9 17 | 0 47 | 5 41 | 1 42 | 2 18 | 14 24 | 23 29 | 23 31 | 0 8 | 6 38 | 5 53 |
| T 27 | 16 11 | 17 2 | 4 3 | 16 20 | 0s12 | 8 29 | 1 28 | 21 29 | 1 49 | 18 35 | 1 3 | 1 2 | 2 12 | 9 18 | 0 47 | 5 41 | 1 42 | 2 19 | 14 24 | 23 29 | 23 31 | 0 6 | 6 37 | 5 54 |
| W28 | 16 28 | 20 40 | 3 8 | 15 53 | 0 29 | 8 57 | 1 27 | 21 21 | 1 48 | 18 33 | 1 2 | 1 0 | 2 12 | 9 18 | 0 47 | 5 42 | 1 42 | 2 19 | 14 23 | 23 29 | 23 31 | 0 3 | 6 36 | 5 54 |
| T 29 | 16 45 | 22 57 | 2 2 | 15 26 | 0 47 | 9 24 | 1 26 | 21 13 | 1 47 | 18 32 | 1 2 | 0 58 | 2 12 | 9 18 | 0 47 | 5 43 | 1 42 | 2 20 | 14 23 | 23 29 | 23 31 | 0 0 | 6 35 | 5 54 |
| F 30 | 17n 1 | 23n46 | 0n51 | 14n59 | 1s 4 | 9n51 | 1s25 | 21n 5 | 1n46 | 18s30 | 1n 2 | 0s55 | 2s12 | 9n18 | 0n47 | 5n44 | 1s42 | 2n20 | 14s23 | 23s29 | 23s31 | 0s 3 | 6s34 | 5n54 |

Julian Day Number = 2224462.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'03, Lahiri = 15°11'03 Julian Calendar 1 Apr. 1378 == Greg. Calendar 9 Apr. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## MAY 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 7 8 | 18♉ 9'25 | 0♋45 | 13°R 7 | 0♉17 | 4♌18 | 26°R42 | 2♈51 | 8°R 4 | 18♈35 | 14♉ 2 | 26°D46 | 28♐25 | 18♍29 | 28♒17 | S 1 |
| S 2 | 15 11 5 | 19° 7'09 | 13°43 | 12♉35 | 1°30 | 4°49 | 26♏35 | 2°57 | 8♍ 3 | 18°37 | 14° 3 | 26♐47 | 28°22 | 18°35 | 28°18 | S 2 |
| M 3 | 15 15 2 | 20° 4'51 | 26°19 | 12° 5 | 2°43 | 5°19 | 26°27 | 3° 3 | 8° 3 | 18°39 | 14° 5 | 26°48 | 28°18 | 18°42 | 28°19 | M 3 |
| T 4 | 15 18 58 | 21° 2'32 | 8♌38 | 11°38 | 3°57 | 5°50 | 26°20 | 3° 9 | 8° 3 | 18°41 | 14° 6 | 26°50 | 28°15 | 18°49 | 28°21 | T 4 |
| W 5 | 15 22 55 | 22° 0'12 | 20°43 | 11°14 | 5°10 | 6°21 | 26°12 | 3°15 | 8° 3 | 18°43 | 14° 8 | 26°R50 | 28°12 | 18°55 | 28°22 | W 5 |
| T 6 | 15 26 51 | 22°57'49 | 2♍40 | 10°53 | 6°23 | 6°52 | 26° 4 | 3°21 | 8° 3 | 18°45 | 14° 9 | 26°50 | 28° 9 | 19° 2 | 28°23 | T 6 |
| F 7 | 15 30 48 | 23°55'25 | 14°32 | 10°36 | 7°37 | 7°23 | 25°57 | 3°27 | 8° 2 | 18°47 | 14°10 | 26°48 | 28° 6 | 19° 9 | 28°24 | F 7 |
| S 8 | 15 34 44 | 24°53'00 | 26°26 | 10°23 | 8°50 | 7°54 | 25°49 | 3°32 | 8°D 2 | 18°49 | 14°12 | 26°45 | 28° 3 | 19°16 | 28°25 | S 8 |
| S 9 | 15 38 41 | 25°50'33 | 8♎24 | 10°14 | 10° 3 | 8°26 | 25°42 | 3°38 | 8° 2 | 18°51 | 14°13 | 26°40 | 27°59 | 19°22 | 28°26 | S 9 |
| M10 | 15 42 37 | 26°48'05 | 20°29 | 10°D10 | 11°16 | 8°57 | 25°34 | 3°43 | 8° 3 | 18°53 | 14°14 | 26°35 | 27°56 | 19°29 | 28°27 | M10 |
| T 11 | 15 46 34 | 27°45'36 | 2♏46 | 10°10 | 12°30 | 9°29 | 25°26 | 3°49 | 8° 3 | 18°55 | 14°16 | 26°30 | 27°53 | 19°36 | 28°27 | T 11 |
| W12 | 15 50 31 | 28°43'05 | 15°14 | 10°15 | 13°43 | 10° 0 | 25°19 | 3°54 | 8° 3 | 18°57 | 14°17 | 26°26 | 27°50 | 19°42 | 28°28 | W12 |
| T 13 | 15 54 27 | 29°40'33 | 27°56 | 10°24 | 14°56 | 10°32 | 25°11 | 4° 0 | 8° 3 | 18°58 | 14°18 | 26°23 | 27°47 | 19°49 | 28°29 | T 13 |
| F 14 | 15 58 24 | 0♊38'01 | 10♐51 | 10°37 | 16°10 | 11° 4 | 25° 3 | 4° 5 | 8° 3 | 19° 0 | 14°19 | 26°20 | 27°43 | 19°56 | 28°30 | F 14 |
| S 15 | 16 2 20 | 1°35'27 | 24° 0 | 10°55 | 17°23 | 11°36 | 24°56 | 4°10 | 8° 4 | 19° 2 | 14°21 | 26°D20 | 27°40 | 20° 3 | 28°30 | S 15 |
| S 16 | 16 6 17 | 2°32'52 | 7♑21 | 11°18 | 18°36 | 12° 8 | 24°48 | 4°15 | 8° 4 | 19° 4 | 14°22 | 26°20 | 27°37 | 20° 9 | 28°31 | S 16 |
| M17 | 16 10 13 | 3°30'17 | 20°55 | 11°45 | 19°50 | 12°40 | 24°41 | 4°20 | 8° 5 | 19° 6 | 14°23 | 26°21 | 27°34 | 20°16 | 28°31 | M17 |
| T 18 | 16 14 10 | 4°27'41 | 4♒41 | 12°16 | 21° 3 | 13°13 | 24°33 | 4°25 | 8° 5 | 19° 7 | 14°25 | 26°23 | 27°31 | 20°23 | 28°32 | T 18 |
| W19 | 16 18 6 | 5°25'04 | 18°36 | 12°51 | 22°16 | 13°45 | 24°26 | 4°30 | 8° 6 | 19° 9 | 14°26 | 26°24 | 27°28 | 20°30 | 28°32 | W19 |
| T 20 | 16 22 3 | 6°22'26 | 2♓42 | 13°30 | 23°30 | 14°18 | 24°19 | 4°35 | 8° 6 | 19°11 | 14°27 | 26°R24 | 27°24 | 20°36 | 28°32 | T 20 |
| F 21 | 16 26 0 | 7°19'48 | 16°55 | 14°13 | 24°43 | 14°50 | 24°11 | 4°40 | 8° 7 | 19°12 | 14°28 | 26°24 | 27°21 | 20°43 | 28°32 | F 21 |
| S 22 | 16 29 56 | 8°17'09 | 1♈14 | 15° 0 | 25°57 | 15°23 | 24° 4 | 4°45 | 8° 8 | 19°14 | 14°30 | 26°23 | 27°18 | 20°50 | 28°33 | S 22 |
| S 23 | 16 33 53 | 9°14'30 | 15°36 | 15°51 | 27°10 | 15°56 | 23°57 | 4°49 | 8° 9 | 19°16 | 14°31 | 26°21 | 27°15 | 20°56 | 28°33 | S 23 |
| M24 | 16 37 49 | 10°11'50 | 29°56 | 16°46 | 28°23 | 16°29 | 23°50 | 4°54 | 8° 9 | 19°17 | 14°32 | 26°19 | 27°12 | 21° 3 | 28°R33 | M24 |
| T 25 | 16 41 46 | 11° 9'10 | 14♉10 | 17°44 | 29°37 | 17° 2 | 23°43 | 4°58 | 8°10 | 19°19 | 14°33 | 26°17 | 27° 9 | 21°10 | 28°33 | T 25 |
| W26 | 16 45 42 | 12° 6'29 | 28°13 | 18°46 | 0♊50 | 17°35 | 23°36 | 5° 3 | 8°11 | 19°20 | 14°35 | 26°16 | 27° 5 | 21°17 | 28°33 | W26 |
| T 27 | 16 49 39 | 13° 3'48 | 12♊ 2 | 19°51 | 2° 4 | 18° 8 | 23°29 | 5° 7 | 8°12 | 19°22 | 14°36 | 26°15 | 27° 2 | 21°23 | 28°33 | T 27 |
| F 28 | 16 53 35 | 14° 1'06 | 25°33 | 21° 0 | 3°17 | 18°42 | 23°22 | 5°11 | 8°13 | 19°23 | 14°37 | 26°D14 | 26°59 | 21°30 | 28°32 | F 28 |
| S 29 | 16 57 32 | 14°58'24 | 8♋46 | 22°12 | 4°31 | 19°15 | 23°15 | 5°15 | 8°14 | 19°25 | 14°38 | 26°15 | 26°56 | 21°37 | 28°32 | S 29 |
| S 30 | 17 1 29 | 15°55'40 | 21°39 | 23°27 | 5°44 | 19°49 | 23° 9 | 5°19 | 8°16 | 19°26 | 14°40 | 26°15 | 26°53 | 21°44 | 28°32 | S 30 |
| M31 | 17 5 25 | 16♊52'56 | 4♌14 | 24♉46 | 6♊57 | 20♌22 | 23♏ 2 | 5♈23 | 8♍17 | 19♈28 | 14♉41 | 26♐16 | 26♐49 | 21♍50 | 28♒32 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n18 | 23n 9 | 0s22 | 14n33 | 1s21 | 10n18 | 1s23 | 20n57 | 1n45 | 18s29 | 1n 2 | 0s53 | 2s12 | 9n18 | 0n47 | 5n44 | 1s42 | 2n20 | 14s23 | 23s29 | 23s31 | 0s 5 | 6s34 | 5n55 |
| S 2 | 17 34 | 21 18 | 1 31 | 14 7 | 1 37 | 10 45 | 1 22 | 20 49 | 1 44 | 18 27 | 1 2 | 0 51 | 2 13 | 9 18 | 0 47 | 5 45 | 1 42 | 2 21 | 14 23 | 23 29 | 23 31 | 0 8 | 6 33 | 5 55 |
| M 3 | 17 49 | 18 26 | 2 34 | 13 43 | 1 53 | 11 12 | 1 21 | 20 40 | 1 43 | 18 25 | 1 2 | 0 49 | 2 13 | 9 18 | 0 47 | 5 46 | 1 42 | 2 21 | 14 23 | 23 29 | 23 31 | 0 11 | 6 32 | 5 55 |
| T 4 | 18 5 | 14 49 | 3 28 | 13 21 | 2 8 | 11 38 | 1 20 | 20 32 | 1 42 | 18 23 | 1 2 | 0 46 | 2 13 | 9 18 | 0 47 | 5 47 | 1 42 | 2 21 | 14 23 | 23 29 | 23 31 | 0 14 | 6 31 | 5 56 |
| W 5 | 18 20 | 10 39 | 4 12 | 13 0 | 2 22 | 12 4 | 1 18 | 20 23 | 1 41 | 18 22 | 1 2 | 0 44 | 2 13 | 9 18 | 0 47 | 5 47 | 1 42 | 2 22 | 14 23 | 23 29 | 23 30 | 0 17 | 6 31 | 5 56 |
| T 6 | 18 35 | 6 8 | 4 45 | 12 41 | 2 35 | 12 29 | 1 17 | 20 14 | 1 40 | 18 20 | 1 2 | 0 42 | 2 13 | 9 18 | 0 47 | 5 48 | 1 42 | 2 22 | 14 23 | 23 29 | 23 30 | 0 19 | 6 30 | 5 56 |
| F 7 | 18 49 | 1 25 | 5 5 | 12 25 | 2 47 | 12 55 | 1 15 | 20 5 | 1 39 | 18 18 | 1 2 | 0 40 | 2 13 | 9 18 | 0 47 | 5 49 | 1 42 | 2 23 | 14 23 | 23 29 | 23 30 | 0 22 | 6 29 | 5 57 |
| S 8 | 19 3 | 3s20 | 5 12 | 12 10 | 2 58 | 13 20 | 1 14 | 19 56 | 1 38 | 18 17 | 1 2 | 0 38 | 2 14 | 9 18 | 0 47 | 5 50 | 1 42 | 2 23 | 14 24 | 23 29 | 23 30 | 0 25 | 6 29 | 5 57 |
| S 9 | 19 17 | 8 1 | 5 5 | 11 58 | 3 8 | 13 45 | 1 12 | 19 47 | 1 37 | 18 15 | 1 2 | 0 36 | 2 14 | 9 18 | 0 47 | 5 50 | 1 42 | 2 23 | 14 24 | 23 29 | 23 30 | 0 28 | 6 28 | 5 57 |
| M10 | 19 30 | 12 26 | 4 45 | 11 48 | 3 17 | 14 9 | 1 10 | 19 38 | 1 36 | 18 13 | 1 1 | 0 34 | 2 14 | 9 18 | 0 47 | 5 51 | 1 42 | 2 24 | 14 24 | 23 29 | 23 30 | 0 30 | 6 28 | 5 58 |
| T 11 | 19 44 | 16 25 | 4 12 | 11 41 | 3 24 | 14 33 | 1 9 | 19 28 | 1 36 | 18 12 | 1 1 | 0 32 | 2 14 | 9 18 | 0 47 | 5 52 | 1 42 | 2 24 | 14 24 | 23 28 | 23 30 | 0 33 | 6 27 | 5 58 |
| W12 | 19 56 | 19 45 | 3 26 | 11 36 | 3 31 | 14 57 | 1 7 | 19 19 | 1 35 | 18 10 | 1 1 | 0 30 | 2 14 | 9 18 | 0 47 | 5 52 | 1 42 | 2 24 | 14 24 | 23 28 | 23 30 | 0 36 | 6 26 | 5 58 |
| T 13 | 20 9 | 22 11 | 2 29 | 11 34 | 3 37 | 15 20 | 1 5 | 19 9 | 1 34 | 18 8 | 1 1 | 0 28 | 2 15 | 9 18 | 0 47 | 5 53 | 1 42 | 2 25 | 14 24 | 23 28 | 23 30 | 0 38 | 6 26 | 5 59 |
| F 14 | 20 21 | 23 32 | 1 24 | 11 34 | 3 41 | 15 43 | 1 3 | 19 0 | 1 33 | 18 6 | 1 1 | 0 26 | 2 15 | 9 18 | 0 47 | 5 54 | 1 42 | 2 25 | 14 24 | 23 28 | 23 30 | 0 41 | 6 25 | 5 59 |
| S 15 | 20 33 | 23 36 | 0 13 | 11 36 | 3 44 | 16 6 | 1 1 | 18 50 | 1 32 | 18 5 | 1 1 | 0 24 | 2 15 | 9 18 | 0 47 | 5 54 | 1 42 | 2 25 | 14 24 | 23 28 | 23 30 | 0 44 | 6 25 | 5 59 |
| S 16 | 20 44 | 22 19 | 1n 0 | 11 41 | 3 47 | 16 28 | 0 59 | 18 40 | 1 31 | 18 3 | 1 1 | 0 22 | 2 15 | 9 17 | 0 47 | 5 55 | 1 42 | 2 25 | 14 24 | 23 28 | 23 30 | 0 47 | 6 24 | 5 59 |
| M17 | 20 56 | 19 44 | 2 11 | 11 47 | 3 48 | 16 50 | 0 57 | 18 30 | 1 30 | 18 1 | 1 1 | 0 20 | 2 16 | 9 17 | 0 47 | 5 55 | 1 42 | 2 26 | 14 24 | 23 28 | 23 30 | 0 49 | 6 24 | 6 0 |
| T 18 | 21 6 | 16 0 | 3 16 | 11 56 | 3 48 | 17 11 | 0 55 | 18 20 | 1 29 | 18 0 | 1 0 | 0 19 | 2 16 | 9 17 | 0 46 | 5 56 | 1 42 | 2 26 | 14 24 | 23 28 | 23 30 | 0 52 | 6 24 | 6 0 |
| W19 | 21 17 | 11 21 | 4 9 | 12 8 | 3 48 | 17 32 | 0 53 | 18 10 | 1 28 | 17 58 | 1 0 | 0 17 | 2 16 | 9 17 | 0 46 | 5 57 | 1 42 | 2 26 | 14 24 | 23 28 | 23 30 | 0 55 | 6 23 | 6 0 |
| T 20 | 21 27 | 6 3 | 4 49 | 12 21 | 3 46 | 17 53 | 0 51 | 17 59 | 1 27 | 17 56 | 1 0 | 0 15 | 2 16 | 9 16 | 0 46 | 5 57 | 1 42 | 2 27 | 14 24 | 23 28 | 23 30 | 0 58 | 6 23 | 6 1 |
| F 21 | 21 36 | 0 25 | 5 11 | 12 35 | 3 44 | 18 13 | 0 49 | 17 49 | 1 26 | 17 55 | 1 0 | 0 14 | 2 16 | 9 16 | 0 46 | 5 58 | 1 42 | 2 27 | 14 24 | 23 28 | 23 30 | 1 0 | 6 22 | 6 1 |
| S 22 | 21 46 | 5n17 | 5 14 | 12 52 | 3 41 | 18 33 | 0 47 | 17 38 | 1 26 | 17 53 | 1 0 | 0 12 | 2 17 | 9 16 | 0 46 | 5 58 | 1 42 | 2 27 | 14 24 | 23 28 | 23 30 | 1 3 | 6 22 | 6 1 |
| S 23 | 21 55 | 10 44 | 4 58 | 13 10 | 3 37 | 18 52 | 0 45 | 17 28 | 1 25 | 17 51 | 1 0 | 0 10 | 2 17 | 9 16 | 0 46 | 5 59 | 1 43 | 2 27 | 14 24 | 23 28 | 23 29 | 1 6 | 6 22 | 6 2 |
| M24 | 22 3 | 15 35 | 4 23 | 13 30 | 3 32 | 19 10 | 0 43 | 17 17 | 1 24 | 17 50 | 1 0 | 0 9 | 2 17 | 9 15 | 0 46 | 6 0 | 1 43 | 2 28 | 14 25 | 23 28 | 23 29 | 1 9 | 6 21 | 6 2 |
| T 25 | 22 11 | 19 31 | 3 32 | 13 52 | 3 27 | 19 28 | 0 41 | 17 6 | 1 23 | 17 48 | 0 59 | 0 7 | 2 17 | 9 15 | 0 46 | 6 0 | 1 43 | 2 28 | 14 25 | 23 28 | 23 29 | 1 11 | 6 21 | 6 2 |
| W26 | 22 19 | 22 15 | 2 29 | 14 14 | 3 21 | 19 46 | 0 38 | 16 55 | 1 22 | 17 47 | 0 59 | 0 6 | 2 18 | 9 14 | 0 46 | 6 1 | 1 43 | 2 28 | 14 25 | 23 28 | 23 29 | 1 14 | 6 21 | 6 3 |
| T 27 | 22 27 | 23 36 | 1 18 | 14 38 | 3 14 | 20 3 | 0 36 | 16 44 | 1 21 | 17 45 | 0 59 | 0 4 | 2 18 | 9 14 | 0 46 | 6 1 | 1 43 | 2 28 | 14 25 | 23 28 | 23 29 | 1 17 | 6 21 | 6 3 |
| F 28 | 22 34 | 23 30 | 0 4 | 15 3 | 3 7 | 20 20 | 0 34 | 16 33 | 1 20 | 17 44 | 0 59 | 0 3 | 2 18 | 9 14 | 0 46 | 6 2 | 1 43 | 2 29 | 14 25 | 23 28 | 23 29 | 1 19 | 6 20 | 6 3 |
| S 29 | 22 40 | 22 5 | 1s 9 | 15 29 | 2 59 | 20 36 | 0 32 | 16 21 | 1 19 | 17 42 | 0 59 | 0 1 | 2 18 | 9 13 | 0 46 | 6 2 | 1 43 | 2 29 | 14 25 | 23 28 | 23 29 | 1 22 | 6 20 | 6 4 |
| S 30 | 22 46 | 19 32 | 2 16 | 15 56 | 2 51 | 20 51 | 0 29 | 16 10 | 1 19 | 17 41 | 0 59 | 0n 0 | 2 19 | 9 13 | 0 46 | 6 3 | 1 43 | 2 29 | 14 25 | 23 28 | 23 29 | 1 25 | 6 20 | 6 4 |
| M31 | 22n52 | 16n 6 | 3s15 | 16n24 | 2s42 | 21n 6 | 0s27 | 15n58 | 1n18 | 17s39 | 0n58 | 0n 2 | 2s19 | 9n12 | 0n46 | 6n 3 | 1s43 | 2n29 | 14s25 | 23s28 | 23s29 | 1s28 | 6s20 | 6n 4 |

Julian Day Number = 2224492.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'07, Lahiri = 15°11'07 Julian Calendar 1 May 1378 == Greg. Calendar 9 May 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## JUNE 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 9 22 | 17♊50'11 | 16♌33 | 26♉ 8 | 8♊11 | 20♌56 | 22°R56 | 5♈27 | 8♍18 | 19♈29 | 14♉42 | 26♐17 | 26♐46 | 21♍57 | 28°R31 | T 1 |
| W 2 | 17 13 18 | 18°47'26 | 28°39 | 27°33 | 9°24 | 21°30 | 22♏50 | 5°31 | 8°19 | 19°30 | 14°43 | 26°18 | 26°43 | 22° 4 | 28♒31 | W 2 |
| T 3 | 17 17 15 | 19°44'39 | 10♍37 | 29° 1 | 10°38 | 22° 4 | 22°44 | 5°35 | 8°21 | 19°32 | 14°44 | 26°18 | 26°40 | 22°10 | 28°30 | T 3 |
| F 4 | 17 21 11 | 20°41'52 | 22°31 | 0♊32 | 11°51 | 22°38 | 22°38 | 5°39 | 8°22 | 19°33 | 14°45 | 26°R18 | 26°37 | 22°17 | 28°30 | F 4 |
| S 5 | 17 25 8 | 21°39'04 | 4♎25 | 2° 7 | 13° 5 | 23°12 | 22°32 | 5°42 | 8°23 | 19°34 | 14°46 | 26°18 | 26°34 | 22°24 | 28°29 | S 5 |
| S 6 | 17 29 4 | 22°36'16 | 16°25 | 3°45 | 14°18 | 23°46 | 22°26 | 5°46 | 8°25 | 19°36 | 14°48 | 26°18 | 26°30 | 22°31 | 28°28 | S 6 |
| M 7 | 17 33 1 | 23°33'27 | 28°33 | 5°25 | 15°32 | 24°20 | 22°20 | 5°49 | 8°26 | 19°37 | 14°49 | 26°18 | 26°27 | 22°37 | 28°27 | M 7 |
| T 8 | 17 36 58 | 24°30'38 | 10♏54 | 7° 9 | 16°45 | 24°54 | 22°15 | 5°52 | 8°28 | 19°38 | 14°50 | 26°17 | 26°24 | 22°44 | 28°27 | T 8 |
| W 9 | 17 40 54 | 25°27'48 | 23°31 | 8°56 | 17°59 | 25°29 | 22° 9 | 5°55 | 8°30 | 19°39 | 14°51 | 26°17 | 26°21 | 22°51 | 28°26 | W 9 |
| T 10 | 17 44 51 | 26°24'58 | 6♐26 | 10°45 | 19°13 | 26° 3 | 22° 4 | 5°59 | 8°31 | 19°40 | 14°52 | 26°D17 | 26°18 | 22°57 | 28°25 | T 10 |
| F 11 | 17 48 47 | 27°22'08 | 19°39 | 12°37 | 20°26 | 26°38 | 21°59 | 6° 2 | 8°33 | 19°41 | 14°53 | 26°17 | 26°15 | 23° 4 | 28°24 | F 11 |
| S 12 | 17 52 44 | 28°19'17 | 3♑10 | 14°32 | 21°40 | 27°13 | 21°54 | 6° 5 | 8°35 | 19°43 | 14°54 | 26°R17 | 26°11 | 23°11 | 28°23 | S 12 |
| S 13 | 17 56 40 | 29°16'26 | 16°57 | 16°30 | 22°53 | 27°47 | 21°49 | 6° 7 | 8°37 | 19°44 | 14°55 | 26°17 | 26° 8 | 23°18 | 28°22 | S 13 |
| M14 | 18 0 37 | 0♋13'35 | 0♒57 | 18°29 | 24° 7 | 28°22 | 21°45 | 6°10 | 8°39 | 19°45 | 14°56 | 26°17 | 26° 5 | 23°24 | 28°21 | M14 |
| T 15 | 18 4 34 | 1°10'45 | 15° 8 | 20°31 | 25°20 | 28°57 | 21°40 | 6°13 | 8°41 | 19°46 | 14°57 | 26°16 | 26° 2 | 23°31 | 28°20 | T 15 |
| W16 | 18 8 30 | 2° 7'54 | 29°24 | 22°35 | 26°34 | 29°32 | 21°36 | 6°15 | 8°43 | 19°47 | 14°58 | 26°16 | 25°59 | 23°38 | 28°18 | W16 |
| T 17 | 18 12 27 | 3° 5'04 | 13♓43 | 24°41 | 27°48 | 0♍ 7 | 21°32 | 6°18 | 8°45 | 19°48 | 14°59 | 26°15 | 25°55 | 23°45 | 28°17 | T 17 |
| F 18 | 18 16 23 | 4° 2'14 | 28° 0 | 26°48 | 29° 1 | 0°42 | 21°28 | 6°20 | 8°47 | 19°48 | 15° 0 | 26°D15 | 25°52 | 23°51 | 28°16 | F 18 |
| S 19 | 18 20 20 | 4°59'24 | 12♈14 | 28°56 | 0♋15 | 1°17 | 21°24 | 6°23 | 8°49 | 19°49 | 15° 1 | 26°15 | 25°49 | 23°58 | 28°14 | S 19 |
| S 20 | 18 24 16 | 5°56'35 | 26°20 | 1♋ 5 | 1°29 | 1°53 | 21°20 | 6°25 | 8°51 | 19°50 | 15° 2 | 26°15 | 25°46 | 24° 5 | 28°13 | S 20 |
| M21 | 18 28 13 | 6°53'46 | 10♉18 | 3°14 | 2°42 | 2°28 | 21°17 | 6°27 | 8°53 | 19°51 | 15° 3 | 26°16 | 25°43 | 24°11 | 28°11 | M21 |
| T 22 | 18 32 9 | 7°50'57 | 24° 6 | 5°24 | 3°56 | 3° 3 | 21°13 | 6°29 | 8°55 | 19°52 | 15° 4 | 26°17 | 25°40 | 24°18 | 28°10 | T 22 |
| W23 | 18 36 6 | 8°48'10 | 7♊42 | 7°34 | 5°10 | 3°39 | 21°10 | 6°31 | 8°58 | 19°53 | 15° 4 | 26°18 | 25°36 | 24°25 | 28° 8 | W23 |
| T 24 | 18 40 3 | 9°45'22 | 21° 6 | 9°43 | 6°24 | 4°15 | 21° 7 | 6°32 | 9° 0 | 19°53 | 15° 5 | 26°R18 | 25°33 | 24°32 | 28° 6 | T 24 |
| F 25 | 18 43 59 | 10°42'35 | 4♋15 | 11°52 | 7°37 | 4°50 | 21° 4 | 6°34 | 9° 2 | 19°54 | 15° 6 | 26°18 | 25°30 | 24°38 | 28° 5 | F 25 |
| S 26 | 18 47 56 | 11°39'48 | 17°11 | 14° 0 | 8°51 | 5°26 | 21° 2 | 6°36 | 9° 5 | 19°55 | 15° 7 | 26°17 | 25°27 | 24°45 | 28° 3 | S 26 |
| S 27 | 18 51 52 | 12°37'01 | 29°52 | 16° 7 | 10° 5 | 6° 2 | 20°59 | 6°37 | 9° 7 | 19°55 | 15° 8 | 26°16 | 25°24 | 24°52 | 28° 1 | S 27 |
| M28 | 18 55 49 | 13°34'15 | 12♌19 | 18°13 | 11°19 | 6°38 | 20°57 | 6°39 | 9°10 | 19°56 | 15° 9 | 26°14 | 25°21 | 24°59 | 27°59 | M28 |
| T 29 | 18 59 45 | 14°31'29 | 24°34 | 20°18 | 12°33 | 7°14 | 20°55 | 6°40 | 9°12 | 19°56 | 15° 9 | 26°11 | 25°17 | 25° 5 | 27°58 | T 29 |
| W30 | 19 3 42 | 15♋28'43 | 6♍39 | 22♋22 | 13♋46 | 7♍50 | 20♏53 | 6♈41 | 9♍15 | 19♈57 | 15♉10 | 26♐ 8 | 25♐14 | 25♍12 | 27♒56 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n58 | 12n 3 | 4s 4 | 16n53 | 2s33 | 21n20 | 0s25 | 15n47 | 1n17 | 17s38 | 0n58 | 0n 3 | 2s19 | 9n12 | 0n46 | 6n 4 | 1s43 | 2n29 | 14s25 | 23s28 | 23s29 | 1s30 | 6s20 | 6n 4 |
| W 2 | 23 3 | 7 35 | 4 41 | 17 21 | 2 23 | 21 34 | 0 22 | 15 35 | 1 16 | 17 36 | 0 58 | 0 4 | 2 19 | 9 11 | 0 46 | 6 4 | 1 43 | 2 30 | 14 26 | 23 28 | 23 29 | 1 33 | 6 19 | 6 5 |
| T 3 | 23 7 | 2 54 | 5 5 | 17 51 | 2 13 | 21 47 | 0 20 | 15 23 | 1 15 | 17 35 | 0 58 | 0 5 | 2 20 | 9 11 | 0 46 | 6 5 | 1 43 | 2 30 | 14 26 | 23 28 | 23 29 | 1 36 | 6 19 | 6 5 |
| F 4 | 23 12 | 1s51 | 5 16 | 18 20 | 2 2 | 22 0 | 0 18 | 15 11 | 1 14 | 17 34 | 0 58 | 0 7 | 2 20 | 9 10 | 0 46 | 6 5 | 1 43 | 2 30 | 14 26 | 23 28 | 23 29 | 1 38 | 6 19 | 6 5 |
| S 5 | 23 15 | 6 33 | 5 14 | 18 50 | 1 51 | 22 12 | 0 15 | 14 59 | 1 14 | 17 32 | 0 57 | 0 8 | 2 20 | 9 9 | 0 46 | 6 5 | 1 43 | 2 30 | 14 26 | 23 28 | 23 28 | 1 41 | 6 19 | 6 6 |
| S 6 | 23 19 | 11 3 | 4 58 | 19 20 | 1 40 | 22 23 | 0 13 | 14 47 | 1 13 | 17 31 | 0 57 | 0 9 | 2 20 | 9 9 | 0 46 | 6 6 | 1 43 | 2 30 | 14 26 | 23 28 | 23 28 | 1 44 | 6 19 | 6 6 |
| M 7 | 23 22 | 15 10 | 4 28 | 19 49 | 1 29 | 22 34 | 0 10 | 14 35 | 1 12 | 17 30 | 0 57 | 0 10 | 2 21 | 9 8 | 0 46 | 6 6 | 1 43 | 2 30 | 14 26 | 23 28 | 23 28 | 1 47 | 6 19 | 6 6 |
| T 8 | 23 24 | 18 43 | 3 46 | 20 19 | 1 17 | 22 44 | 0 8 | 14 23 | 1 11 | 17 29 | 0 57 | 0 11 | 2 21 | 9 8 | 0 46 | 6 7 | 1 43 | 2 31 | 14 26 | 23 28 | 23 28 | 1 49 | 6 19 | 6 7 |
| W 9 | 23 26 | 21 29 | 2 52 | 20 47 | 1 5 | 22 53 | 0 6 | 14 10 | 1 10 | 17 28 | 0 56 | 0 12 | 2 21 | 9 7 | 0 46 | 6 7 | 1 43 | 2 31 | 14 27 | 23 28 | 23 28 | 1 52 | 6 19 | 6 7 |
| T 10 | 23 28 | 23 14 | 1 48 | 21 15 | 0 54 | 23 2 | 0 3 | 13 58 | 1 9 | 17 26 | 0 56 | 0 13 | 2 21 | 9 6 | 0 46 | 6 7 | 1 43 | 2 31 | 14 27 | 23 28 | 23 28 | 1 55 | 6 19 | 6 7 |
| F 11 | 23 30 | 23 43 | 0 37 | 21 42 | 0 42 | 23 10 | 0 1 | 13 45 | 1 9 | 17 25 | 0 56 | 0 14 | 2 22 | 9 6 | 0 45 | 6 8 | 1 44 | 2 31 | 14 27 | 23 28 | 23 28 | 1 57 | 6 19 | 6 7 |
| S 12 | 23 31 | 22 51 | 0n38 | 22 8 | 0 30 | 23 17 | 0n 2 | 13 33 | 1 8 | 17 24 | 0 56 | 0 15 | 2 22 | 9 5 | 0 45 | 6 8 | 1 44 | 2 31 | 14 27 | 23 28 | 23 28 | 2 0 | 6 19 | 6 8 |
| S 13 | 23 31 | 20 35 | 1 52 | 22 32 | 0 18 | 23 24 | 0 4 | 13 20 | 1 7 | 17 23 | 0 56 | 0 16 | 2 22 | 9 4 | 0 45 | 6 9 | 1 44 | 2 31 | 14 27 | 23 28 | 23 28 | 2 3 | 6 19 | 6 8 |
| M14 | 23 31 | 17 5 | 3 0 | 22 55 | 0 7 | 23 30 | 0 6 | 13 7 | 1 6 | 17 22 | 0 55 | 0 17 | 2 22 | 9 3 | 0 45 | 6 9 | 1 44 | 2 31 | 14 28 | 23 28 | 23 28 | 2 6 | 6 20 | 6 8 |
| T 15 | 23 31 | 12 33 | 3 59 | 23 15 | 0n 5 | 23 35 | 0 9 | 12 54 | 1 5 | 17 21 | 0 55 | 0 18 | 2 23 | 9 3 | 0 45 | 6 9 | 1 44 | 2 31 | 14 28 | 23 28 | 23 28 | 2 8 | 6 20 | 6 8 |
| W16 | 23 30 | 7 18 | 4 43 | 23 34 | 0 16 | 23 40 | 0 11 | 12 41 | 1 5 | 17 20 | 0 55 | 0 18 | 2 23 | 9 2 | 0 45 | 6 10 | 1 44 | 2 31 | 14 28 | 23 28 | 23 27 | 2 11 | 6 20 | 6 9 |
| T 17 | 23 29 | 1 40 | 5 9 | 23 51 | 0 26 | 23 44 | 0 14 | 12 28 | 1 4 | 17 20 | 0 55 | 0 19 | 2 23 | 9 1 | 0 45 | 6 10 | 1 44 | 2 32 | 14 28 | 23 28 | 23 27 | 2 14 | 6 20 | 6 9 |
| F 18 | 23 27 | 4n 2 | 5 16 | 24 5 | 0 36 | 23 47 | 0 16 | 12 15 | 1 3 | 17 19 | 0 54 | 0 20 | 2 24 | 9 0 | 0 45 | 6 10 | 1 44 | 2 32 | 14 28 | 23 28 | 23 27 | 2 16 | 6 20 | 6 9 |
| S 19 | 23 26 | 9 31 | 5 4 | 24 17 | 0 46 | 23 49 | 0 18 | 12 1 | 1 2 | 17 18 | 0 54 | 0 20 | 2 24 | 8 59 | 0 45 | 6 10 | 1 44 | 2 32 | 14 28 | 23 28 | 23 27 | 2 19 | 6 21 | 6 10 |
| S 20 | 23 23 | 14 27 | 4 34 | 24 26 | 0 55 | 23 51 | 0 21 | 11 48 | 1 1 | 17 17 | 0 54 | 0 21 | 2 24 | 8 59 | 0 45 | 6 11 | 1 44 | 2 32 | 14 29 | 23 28 | 23 27 | 2 22 | 6 21 | 6 10 |
| M21 | 23 20 | 18 34 | 3 48 | 24 32 | 1 4 | 23 52 | 0 23 | 11 34 | 1 1 | 17 17 | 0 54 | 0 22 | 2 24 | 8 58 | 0 45 | 6 11 | 1 44 | 2 32 | 14 29 | 23 28 | 23 27 | 2 24 | 6 21 | 6 10 |
| T 22 | 23 17 | 21 35 | 2 49 | 24 36 | 1 11 | 23 53 | 0 25 | 11 21 | 1 0 | 17 16 | 0 54 | 0 22 | 2 25 | 8 57 | 0 45 | 6 11 | 1 44 | 2 32 | 14 29 | 23 28 | 23 27 | 2 27 | 6 21 | 6 10 |
| W23 | 23 14 | 23 20 | 1 41 | 24 37 | 1 19 | 23 52 | 0 27 | 11 7 | 0 59 | 17 15 | 0 53 | 0 23 | 2 25 | 8 56 | 0 45 | 6 11 | 1 44 | 2 32 | 14 29 | 23 28 | 23 27 | 2 30 | 6 22 | 6 11 |
| T 24 | 23 10 | 23 42 | 0 29 | 24 34 | 1 25 | 23 51 | 0 30 | 10 53 | 0 58 | 17 15 | 0 53 | 0 23 | 2 25 | 8 55 | 0 45 | 6 12 | 1 44 | 2 32 | 14 29 | 23 28 | 23 27 | 2 32 | 6 22 | 6 11 |
| F 25 | 23 5 | 22 43 | 0s44 | 24 29 | 1 31 | 23 50 | 0 32 | 10 40 | 0 58 | 17 14 | 0 53 | 0 23 | 2 26 | 8 54 | 0 45 | 6 12 | 1 44 | 2 32 | 14 30 | 23 28 | 23 27 | 2 35 | 6 22 | 6 11 |
| S 26 | 23 0 | 20 33 | 1 53 | 24 22 | 1 36 | 23 47 | 0 34 | 10 26 | 0 57 | 17 14 | 0 53 | 0 24 | 2 26 | 8 53 | 0 45 | 6 12 | 1 44 | 2 32 | 14 30 | 23 28 | 23 26 | 2 38 | 6 23 | 6 11 |
| S 27 | 22 55 | 17 24 | 2 55 | 24 12 | 1 40 | 23 44 | 0 36 | 10 12 | 0 56 | 17 13 | 0 52 | 0 24 | 2 26 | 8 52 | 0 45 | 6 12 | 1 44 | 2 32 | 14 30 | 23 28 | 23 26 | 2 40 | 6 23 | 6 12 |
| M28 | 22 50 | 13 32 | 3 47 | 23 59 | 1 43 | 23 40 | 0 38 | 9 58 | 0 55 | 17 13 | 0 52 | 0 24 | 2 26 | 8 51 | 0 45 | 6 12 | 1 45 | 2 32 | 14 30 | 23 28 | 23 26 | 2 43 | 6 24 | 6 12 |
| T 29 | 22 43 | 9 10 | 4 28 | 23 43 | 1 46 | 23 36 | 0 40 | 9 44 | 0 54 | 17 13 | 0 52 | 0 25 | 2 27 | 8 50 | 0 45 | 6 12 | 1 45 | 2 32 | 14 31 | 23 28 | 23 26 | 2 46 | 6 24 | 6 12 |
| W30 | 22n37 | 4n31 | 4s57 | 23n26 | 1n48 | 23n31 | 0n42 | 9n29 | 0n54 | 17s12 | 0n52 | 0n25 | 2s27 | 8n49 | 0n45 | 6n13 | 1s45 | 2n32 | 14s31 | 23s28 | 23s26 | 2s48 | 6s24 | 6n12 |

Julian Day Number = 2224523.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'11, Lahiri = 15°11'12 Julian Calendar 1 June 1378 == Greg. Calendar 9 June 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## JULY 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 7 38 | 16♋25'57 | 18♍36 | 24♋24 | 15♋ 0 | 8♍26 | 20°R51 | 6♈42 | 9♍17 | 19♈57 | 15♉11 | 26°R 6 | 25♐11 | 25♍19 | 27°R54 | T 1 |
| F 2 | 19 11 35 | 17°23'12 | 0♎29 | 26°24 | 16°14 | 9° 2 | 20♏49 | 6°43 | 9°20 | 19°58 | 15°12 | 26♐ 4 | 25° 8 | 25°25 | 27♒52 | F 2 |
| S 3 | 19 15 32 | 18°20'26 | 12°22 | 28°23 | 17°28 | 9°38 | 20°48 | 6°44 | 9°22 | 19°58 | 15°12 | 26° 3 | 25° 5 | 25°32 | 27°50 | S 3 |
| S 4 | 19 19 28 | 19°17'41 | 24°20 | 0♏20 | 18°42 | 10°15 | 20°47 | 6°45 | 9°25 | 19°59 | 15°13 | 26°D 3 | 25° 1 | 25°39 | 27°47 | S 4 |
| M 5 | 19 23 25 | 20°14'57 | 6♏28 | 2°15 | 19°56 | 10°51 | 20°46 | 6°45 | 9°28 | 19°59 | 15°14 | 26° 3 | 24°58 | 25°46 | 27°45 | M 5 |
| T 6 | 19 27 21 | 21°12'13 | 18°50 | 4° 9 | 21°10 | 11°27 | 20°45 | 6°46 | 9°31 | 19°59 | 15°14 | 26° 5 | 24°55 | 25°52 | 27°43 | T 6 |
| W 7 | 19 31 18 | 22° 9'29 | 1♐29 | 6° 1 | 22°24 | 12° 4 | 20°44 | 6°46 | 9°34 | 20° 0 | 15°15 | 26° 6 | 24°52 | 25°59 | 27°41 | W 7 |
| T 8 | 19 35 14 | 23° 6'46 | 14°30 | 7°51 | 23°37 | 12°41 | 20°44 | 6°47 | 9°36 | 20° 0 | 15°16 | 26° 8 | 24°49 | 26° 6 | 27°39 | T 8 |
| F 9 | 19 39 11 | 24° 4'03 | 27°55 | 9°39 | 24°51 | 13°17 | 20°43 | 6°47 | 9°39 | 20° 0 | 15°16 | 26°R 8 | 24°46 | 26°13 | 27°36 | F 9 |
| S 10 | 19 43 7 | 25° 1'21 | 11♑42 | 11°26 | 26° 5 | 13°54 | 20°D43 | 6°47 | 9°42 | 20° 0 | 15°17 | 26° 7 | 24°42 | 26°19 | 27°34 | S 10 |
| S 11 | 19 47 4 | 25°58'39 | 25°52 | 13°11 | 27°19 | 14°31 | 20°43 | 6°R47 | 9°45 | 20° 1 | 15°17 | 26° 5 | 24°39 | 26°26 | 27°32 | S 11 |
| M12 | 19 51 1 | 26°55'59 | 10♒19 | 14°54 | 28°33 | 15° 8 | 20°44 | 6°47 | 9°48 | 20° 1 | 15°18 | 26° 2 | 24°36 | 26°33 | 27°29 | M12 |
| T 13 | 19 54 57 | 27°53'19 | 24°57 | 16°36 | 29°47 | 15°45 | 20°44 | 6°47 | 9°51 | 20° 1 | 15°18 | 25°57 | 24°33 | 26°39 | 27°27 | T 13 |
| W14 | 19 58 54 | 28°50'40 | 9♓40 | 18°16 | 1♏ 1 | 16°22 | 20°45 | 6°47 | 9°54 | 20° 1 | 15°19 | 25°53 | 24°30 | 26°46 | 27°24 | W14 |
| T 15 | 20 2 50 | 29°48'02 | 24°20 | 19°54 | 2°15 | 16°59 | 20°45 | 6°46 | 9°57 | 20° 1 | 15°19 | 25°49 | 24°27 | 26°53 | 27°22 | T 15 |
| F 16 | 20 6 47 | 0♏45'25 | 8♈51 | 21°31 | 3°29 | 17°36 | 20°46 | 6°46 | 10° 0 | 20°R 1 | 15°20 | 25°46 | 24°23 | 27° 0 | 27°19 | F 16 |
| S 17 | 20 10 43 | 1°42'50 | 23° 9 | 23° 5 | 4°43 | 18°13 | 20°48 | 6°45 | 10° 3 | 20° 1 | 15°20 | 25°44 | 24°20 | 27° 6 | 27°17 | S 17 |
| S 18 | 20 14 40 | 2°40'16 | 7♉11 | 24°38 | 5°57 | 18°50 | 20°49 | 6°45 | 10° 7 | 20° 1 | 15°21 | 25°D44 | 24°17 | 27°13 | 27°14 | S 18 |
| M19 | 20 18 36 | 3°37'43 | 20°57 | 26°10 | 7°11 | 19°28 | 20°50 | 6°44 | 10°10 | 20° 1 | 15°21 | 25°45 | 24°14 | 27°20 | 27°12 | M19 |
| T 20 | 20 22 33 | 4°35'12 | 4♊27 | 27°40 | 8°25 | 20° 5 | 20°52 | 6°43 | 10°13 | 20° 1 | 15°22 | 25°46 | 24°11 | 27°26 | 27° 9 | T 20 |
| W21 | 20 26 30 | 5°32'42 | 17°41 | 29° 8 | 9°40 | 20°43 | 20°54 | 6°42 | 10°16 | 20° 1 | 15°22 | 25°47 | 24° 7 | 27°33 | 27° 6 | W21 |
| T 22 | 20 30 26 | 6°30'13 | 0♋42 | 0♍34 | 10°54 | 21°20 | 20°56 | 6°41 | 10°20 | 20° 0 | 15°22 | 25°R47 | 24° 4 | 27°40 | 27° 4 | T 22 |
| F 23 | 20 34 23 | 7°27'46 | 13°30 | 1°59 | 12° 8 | 21°58 | 20°58 | 6°40 | 10°23 | 20° 0 | 15°23 | 25°46 | 24° 1 | 27°47 | 27° 1 | F 23 |
| S 24 | 20 38 19 | 8°25'19 | 26° 6 | 3°21 | 13°22 | 22°35 | 21° 1 | 6°38 | 10°26 | 20° 0 | 15°23 | 25°42 | 23°58 | 27°53 | 26°58 | S 24 |
| S 25 | 20 42 16 | 9°22'54 | 8♌32 | 4°42 | 14°36 | 23°13 | 21° 3 | 6°37 | 10°30 | 20° 0 | 15°23 | 25°37 | 23°55 | 28° 0 | 26°55 | S 25 |
| M26 | 20 46 12 | 10°20'30 | 20°49 | 6° 1 | 15°50 | 23°51 | 21° 6 | 6°36 | 10°33 | 19°59 | 15°23 | 25°30 | 23°52 | 28° 7 | 26°53 | M26 |
| T 27 | 20 50 9 | 11°18'08 | 2♍56 | 7°19 | 17° 4 | 24°29 | 21° 9 | 6°34 | 10°36 | 19°59 | 15°24 | 25°21 | 23°48 | 28°14 | 26°50 | T 27 |
| W28 | 20 54 5 | 12°15'46 | 14°56 | 8°34 | 18°19 | 25° 7 | 21°12 | 6°32 | 10°40 | 19°59 | 15°24 | 25°13 | 23°45 | 28°20 | 26°47 | W28 |
| T 29 | 20 58 2 | 13°13'26 | 26°51 | 9°47 | 19°33 | 25°45 | 21°15 | 6°31 | 10°43 | 19°58 | 15°24 | 25° 4 | 23°42 | 28°27 | 26°44 | T 29 |
| F 30 | 21 1 59 | 14°11'06 | 8♎42 | 10°58 | 20°47 | 26°23 | 21°19 | 6°29 | 10°47 | 19°58 | 15°24 | 24°57 | 23°39 | 28°34 | 26°41 | F 30 |
| S 31 | 21 5 55 | 15♏ 8'48 | 20♎34 | 12♍ 7 | 22♏ 1 | 27♍ 1 | 21♏22 | 6♈27 | 10♍50 | 19♈57 | 15♉24 | 24♐52 | 23♐36 | 28♍40 | 26♒38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n30 | 0s15 | 5s12 | 23n 6 | 1n49 | 23n25 | 0n45 | 9n15 | 0n53 | 17s12 | 0n51 | 0n25 | 2s27 | 8n48 | 0n45 | 6n13 | 1s45 | 2n32 | 14s31 | 23s28 | 23s26 | 2s51 | 6s25 | 6n12 |
| F 2 | 22 23 | 4 59 | 5 14 | 22 44 | 1 50 | 23 18 | 0 47 | 9 1 | 0 52 | 17 12 | 0 51 | 0 25 | 2 28 | 8 47 | 0 45 | 6 13 | 1 45 | 2 32 | 14 31 | 23 28 | 23 26 | 2 54 | 6 25 | 6 13 |
| S 3 | 22 16 | 9 32 | 5 2 | 22 20 | 1 49 | 23 11 | 0 48 | 8 46 | 0 51 | 17 12 | 0 51 | 0 25 | 2 28 | 8 46 | 0 45 | 6 13 | 1 45 | 2 32 | 14 32 | 23 28 | 23 26 | 2 56 | 6 26 | 6 13 |
| S 4 | 22 8 | 13 45 | 4 37 | 21 55 | 1 49 | 23 3 | 0 50 | 8 32 | 0 51 | 17 12 | 0 51 | 0 25 | 2 28 | 8 45 | 0 45 | 6 13 | 1 45 | 2 32 | 14 32 | 23 28 | 23 26 | 2 59 | 6 26 | 6 13 |
| M 5 | 21 59 | 17 29 | 4 0 | 21 28 | 1 47 | 22 54 | 0 52 | 8 17 | 0 50 | 17 12 | 0 50 | 0 25 | 2 28 | 8 44 | 0 45 | 6 13 | 1 45 | 2 32 | 14 32 | 23 28 | 23 25 | 3 2 | 6 27 | 6 13 |
| T 6 | 21 51 | 20 32 | 3 11 | 20 59 | 1 45 | 22 44 | 0 54 | 8 3 | 0 49 | 17 12 | 0 50 | 0 25 | 2 29 | 8 43 | 0 45 | 6 13 | 1 45 | 2 32 | 14 32 | 23 28 | 23 25 | 3 4 | 6 28 | 6 13 |
| W 7 | 21 41 | 22 40 | 2 11 | 20 29 | 1 43 | 22 34 | 0 56 | 7 48 | 0 48 | 17 12 | 0 50 | 0 25 | 2 29 | 8 42 | 0 45 | 6 13 | 1 45 | 2 32 | 14 33 | 23 28 | 23 25 | 3 7 | 6 28 | 6 14 |
| T 8 | 21 32 | 23 40 | 1 3 | 19 58 | 1 40 | 22 24 | 0 58 | 7 33 | 0 48 | 17 12 | 0 50 | 0 25 | 2 29 | 8 41 | 0 45 | 6 13 | 1 45 | 2 32 | 14 33 | 23 28 | 23 25 | 3 10 | 6 29 | 6 14 |
| F 9 | 21 22 | 23 20 | 0n10 | 19 26 | 1 36 | 22 12 | 0 59 | 7 19 | 0 47 | 17 12 | 0 49 | 0 25 | 2 30 | 8 40 | 0 45 | 6 13 | 1 45 | 2 32 | 14 33 | 23 28 | 23 25 | 3 12 | 6 29 | 6 14 |
| S 10 | 21 12 | 21 36 | 1 24 | 18 53 | 1 32 | 22 0 | 1 1 | 7 4 | 0 46 | 17 12 | 0 49 | 0 25 | 2 30 | 8 39 | 0 44 | 6 13 | 1 45 | 2 31 | 14 33 | 23 28 | 23 25 | 3 15 | 6 30 | 6 14 |
| S 11 | 21 1 | 18 30 | 2 35 | 18 19 | 1 27 | 21 47 | 1 3 | 6 49 | 0 45 | 17 12 | 0 49 | 0 24 | 2 30 | 8 37 | 0 44 | 6 13 | 1 45 | 2 31 | 14 34 | 23 28 | 23 25 | 3 18 | 6 31 | 6 14 |
| M12 | 20 50 | 14 13 | 3 38 | 17 44 | 1 22 | 21 34 | 1 4 | 6 34 | 0 45 | 17 13 | 0 49 | 0 24 | 2 30 | 8 36 | 0 44 | 6 13 | 1 45 | 2 31 | 14 34 | 23 28 | 23 25 | 3 20 | 6 31 | 6 14 |
| T 13 | 20 39 | 9 3 | 4 27 | 17 8 | 1 17 | 21 20 | 1 6 | 6 19 | 0 44 | 17 13 | 0 48 | 0 24 | 2 31 | 8 35 | 0 44 | 6 13 | 1 45 | 2 31 | 14 34 | 23 27 | 23 24 | 3 23 | 6 32 | 6 14 |
| W14 | 20 28 | 3 21 | 4 59 | 16 32 | 1 11 | 21 6 | 1 7 | 6 4 | 0 43 | 17 13 | 0 48 | 0 23 | 2 31 | 8 34 | 0 44 | 6 13 | 1 46 | 2 31 | 14 34 | 23 27 | 23 24 | 3 26 | 6 33 | 6 15 |
| T 15 | 20 16 | 2n30 | 5 11 | 15 55 | 1 5 | 20 50 | 1 9 | 5 49 | 0 43 | 17 14 | 0 48 | 0 23 | 2 31 | 8 33 | 0 44 | 6 13 | 1 46 | 2 31 | 14 35 | 23 27 | 23 24 | 3 28 | 6 33 | 6 15 |
| F 16 | 20 3 | 8 10 | 5 3 | 15 18 | 0 58 | 20 35 | 1 10 | 5 33 | 0 42 | 17 14 | 0 48 | 0 23 | 2 31 | 8 32 | 0 44 | 6 13 | 1 46 | 2 31 | 14 35 | 23 27 | 23 24 | 3 31 | 6 34 | 6 15 |
| S 17 | 19 51 | 13 18 | 4 37 | 14 40 | 0 51 | 20 18 | 1 12 | 5 18 | 0 41 | 17 15 | 0 47 | 0 22 | 2 32 | 8 30 | 0 44 | 6 13 | 1 46 | 2 31 | 14 35 | 23 27 | 23 24 | 3 33 | 6 35 | 6 15 |
| S 18 | 19 38 | 17 38 | 3 54 | 14 2 | 0 44 | 20 1 | 1 13 | 5 3 | 0 40 | 17 16 | 0 47 | 0 22 | 2 32 | 8 29 | 0 44 | 6 13 | 1 46 | 2 31 | 14 35 | 23 27 | 23 24 | 3 36 | 6 36 | 6 15 |
| M19 | 19 24 | 20 55 | 2 58 | 13 24 | 0 36 | 19 44 | 1 14 | 4 48 | 0 40 | 17 16 | 0 47 | 0 21 | 2 32 | 8 28 | 0 44 | 6 13 | 1 46 | 2 30 | 14 36 | 23 27 | 23 24 | 3 39 | 6 36 | 6 15 |
| T 20 | 19 11 | 22 57 | 1 53 | 12 46 | 0 28 | 19 26 | 1 15 | 4 32 | 0 39 | 17 17 | 0 47 | 0 20 | 2 33 | 8 27 | 0 44 | 6 13 | 1 46 | 2 30 | 14 36 | 23 27 | 23 23 | 3 41 | 6 37 | 6 15 |
| W21 | 18 57 | 23 41 | 0 44 | 12 7 | 0 20 | 19 7 | 1 16 | 4 17 | 0 38 | 17 18 | 0 46 | 0 20 | 2 33 | 8 25 | 0 44 | 6 13 | 1 46 | 2 30 | 14 36 | 23 27 | 23 23 | 3 44 | 6 38 | 6 15 |
| T 22 | 18 43 | 23 4 | 0s27 | 11 29 | 0 11 | 18 48 | 1 17 | 4 1 | 0 37 | 17 18 | 0 46 | 0 19 | 2 33 | 8 24 | 0 44 | 6 13 | 1 46 | 2 30 | 14 36 | 23 27 | 23 23 | 3 47 | 6 39 | 6 16 |
| F 23 | 18 28 | 21 16 | 1 34 | 10 51 | 0 3 | 18 28 | 1 18 | 3 46 | 0 37 | 17 19 | 0 46 | 0 18 | 2 33 | 8 23 | 0 44 | 6 13 | 1 46 | 2 30 | 14 37 | 23 27 | 23 23 | 3 49 | 6 40 | 6 16 |
| S 24 | 18 13 | 18 26 | 2 37 | 10 13 | 0s 6 | 18 8 | 1 19 | 3 30 | 0 36 | 17 20 | 0 46 | 0 18 | 2 34 | 8 22 | 0 44 | 6 12 | 1 46 | 2 30 | 14 37 | 23 27 | 23 23 | 3 52 | 6 40 | 6 16 |
| S 25 | 17 58 | 14 48 | 3 30 | 9 35 | 0 15 | 17 47 | 1 20 | 3 14 | 0 35 | 17 21 | 0 46 | 0 17 | 2 34 | 8 20 | 0 44 | 6 12 | 1 46 | 2 29 | 14 37 | 23 27 | 23 23 | 3 55 | 6 41 | 6 16 |
| M26 | 17 42 | 10 36 | 4 13 | 8 57 | 0 25 | 17 26 | 1 21 | 2 59 | 0 35 | 17 22 | 0 45 | 0 16 | 2 34 | 8 19 | 0 44 | 6 12 | 1 46 | 2 29 | 14 38 | 23 27 | 23 23 | 3 57 | 6 42 | 6 16 |
| T 27 | 17 27 | 6 3 | 4 44 | 8 19 | 0 34 | 17 4 | 1 22 | 2 43 | 0 34 | 17 23 | 0 45 | 0 15 | 2 34 | 8 18 | 0 44 | 6 12 | 1 46 | 2 29 | 14 38 | 23 26 | 23 22 | 4 0 | 6 43 | 6 16 |
| W28 | 17 11 | 1 19 | 5 2 | 7 42 | 0 44 | 16 42 | 1 22 | 2 27 | 0 33 | 17 24 | 0 45 | 0 14 | 2 35 | 8 16 | 0 44 | 6 12 | 1 46 | 2 29 | 14 38 | 23 26 | 23 22 | 4 2 | 6 44 | 6 16 |
| T 29 | 16 54 | 3s26 | 5 7 | 7 6 | 0 54 | 16 19 | 1 23 | 2 11 | 0 32 | 17 25 | 0 45 | 0 13 | 2 35 | 8 15 | 0 44 | 6 11 | 1 46 | 2 29 | 14 38 | 23 26 | 23 22 | 4 5 | 6 45 | 6 16 |
| F 30 | 16 38 | 8 1 | 4 58 | 6 30 | 1 4 | 15 56 | 1 24 | 1 56 | 0 32 | 17 26 | 0 44 | 0 12 | 2 35 | 8 14 | 0 44 | 6 11 | 1 47 | 2 28 | 14 39 | 23 25 | 23 22 | 4 8 | 6 46 | 6 16 |
| S 31 | 16n21 | 12s20 | 4s37 | 5n54 | 1s14 | 15n33 | 1n24 | 1n40 | 0n31 | 17s27 | 0n44 | 0n11 | 2s36 | 8n12 | 0n44 | 6n11 | 1s47 | 2n28 | 14s39 | 23s25 | 23s22 | 4s10 | 6s47 | 6n16 |

Julian Day Number = 2224553.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'15, Lahiri = 15°11'16 Julian Calendar 1 July 1378 == Greg. Calendar 9 July 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## AUGUST 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 9 52 | 16♌ 6'31 | 2♏30 | 13♍14 | 23♌15 | 27♍39 | 21♏26 | 6°R25 | 10♍54 | 19°R57 | 15♉25 | 24°R49 | 23♐33 | 28♍47 | 26°R35 | S 1 |
| M 2 | 21 13 48 | 17° 4'15 | 14°34 | 14°19 | 24°30 | 28°18 | 21°30 | 6♈23 | 10°57 | 19♈56 | 15°25 | 24°D48 | 23°29 | 28°54 | 26♒33 | M 2 |
| T 3 | 21 17 45 | 18° 2'01 | 26°53 | 15°20 | 25°44 | 28°56 | 21°34 | 6°20 | 11° 1 | 19°56 | 15°25 | 24♐48 | 23°26 | 29° 1 | 26°30 | T 3 |
| W 4 | 21 21 41 | 18°59'47 | 9♐29 | 16°20 | 26°58 | 29°34 | 21°39 | 6°18 | 11° 4 | 19°55 | 15°25 | 24°49 | 23°23 | 29° 7 | 26°27 | W 4 |
| T 5 | 21 25 38 | 19°57'35 | 22°29 | 17°16 | 28°12 | 0♎13 | 21°43 | 6°15 | 11° 8 | 19°54 | 15°25 | 24°R50 | 23°20 | 29°14 | 26°24 | T 5 |
| F 6 | 21 29 34 | 20°55'24 | 5♑56 | 18°10 | 29°27 | 0°51 | 21°48 | 6°13 | 11°11 | 19°54 | 15°25 | 24°50 | 23°17 | 29°21 | 26°21 | F 6 |
| S 7 | 21 33 31 | 21°53'14 | 19°50 | 19° 1 | 0♍41 | 1°30 | 21°52 | 6°10 | 11°15 | 19°53 | 15°R25 | 24°47 | 23°13 | 29°27 | 26°18 | S 7 |
| S 8 | 21 37 28 | 22°51'06 | 4♒12 | 19°48 | 1°55 | 2° 9 | 21°57 | 6° 8 | 11°19 | 19°52 | 15°25 | 24°42 | 23°10 | 29°34 | 26°15 | S 8 |
| M 9 | 21 41 24 | 23°48'59 | 18°56 | 20°33 | 3° 9 | 2°47 | 22° 3 | 6° 5 | 11°22 | 19°52 | 15°25 | 24°35 | 23° 7 | 29°41 | 26°12 | M 9 |
| T 10 | 21 45 21 | 24°46'53 | 3♓57 | 21°13 | 4°24 | 3°26 | 22° 8 | 6° 2 | 11°26 | 19°51 | 15°25 | 24°27 | 23° 4 | 29°48 | 26° 9 | T 10 |
| W11 | 21 49 17 | 25°44'49 | 19° 4 | 21°50 | 5°38 | 4° 5 | 22°13 | 5°59 | 11°30 | 19°50 | 15°25 | 24°18 | 23° 1 | 29°54 | 26° 6 | W11 |
| T 12 | 21 53 14 | 26°42'47 | 4♈ 7 | 22°22 | 6°52 | 4°44 | 22°19 | 5°56 | 11°33 | 19°49 | 15°25 | 24° 9 | 22°58 | 0♎ 1 | 26° 3 | T 12 |
| F 13 | 21 57 10 | 27°40'47 | 18°57 | 22°50 | 8° 6 | 5°23 | 22°25 | 5°53 | 11°37 | 19°48 | 15°25 | 24° 2 | 22°54 | 0° 8 | 26° 0 | F 13 |
| S 14 | 22 1 7 | 28°38'48 | 3♉28 | 23°14 | 9°21 | 6° 2 | 22°30 | 5°50 | 11°41 | 19°47 | 15°25 | 23°58 | 22°51 | 0°15 | 25°57 | S 14 |
| S 15 | 22 5 3 | 29°36'52 | 17°36 | 23°33 | 10°35 | 6°41 | 22°36 | 5°46 | 11°44 | 19°47 | 15°24 | 23°55 | 22°48 | 0°21 | 25°54 | S 15 |
| M16 | 22 9 0 | 0♍34'57 | 1♊21 | 23°46 | 11°49 | 7°20 | 22°43 | 5°43 | 11°48 | 19°46 | 15°24 | 23°D55 | 22°45 | 0°28 | 25°51 | M16 |
| T 17 | 22 12 57 | 1°33'05 | 14°42 | 23°54 | 13° 4 | 8° 0 | 22°49 | 5°40 | 11°52 | 19°45 | 15°24 | 23°55 | 22°42 | 0°35 | 25°48 | T 17 |
| W18 | 22 16 53 | 2°31'15 | 27°45 | 23°R57 | 14°18 | 8°39 | 22°55 | 5°36 | 11°55 | 19°44 | 15°24 | 23°R55 | 22°39 | 0°41 | 25°46 | W18 |
| T 19 | 22 20 50 | 3°29'27 | 10♋30 | 23°53 | 15°32 | 9°18 | 23° 2 | 5°33 | 11°59 | 19°43 | 15°24 | 23°54 | 22°35 | 0°48 | 25°43 | T 19 |
| F 20 | 22 24 46 | 4°27'40 | 23° 2 | 23°43 | 16°47 | 9°58 | 23° 9 | 5°29 | 12° 3 | 19°42 | 15°23 | 23°51 | 22°32 | 0°55 | 25°40 | F 20 |
| S 21 | 22 28 43 | 5°25'56 | 5♌23 | 23°27 | 18° 1 | 10°37 | 23°16 | 5°25 | 12° 7 | 19°40 | 15°23 | 23°44 | 22°29 | 1° 2 | 25°37 | S 21 |
| S 22 | 22 32 39 | 6°24'14 | 17°36 | 23° 4 | 19°15 | 11°17 | 23°23 | 5°21 | 12°10 | 19°39 | 15°23 | 23°35 | 22°26 | 1° 8 | 25°34 | S 22 |
| M23 | 22 36 36 | 7°22'33 | 29°41 | 22°35 | 20°30 | 11°56 | 23°30 | 5°18 | 12°14 | 19°38 | 15°22 | 23°24 | 22°23 | 1°15 | 25°31 | M23 |
| T 24 | 22 40 32 | 8°20'54 | 11♍41 | 21°59 | 21°44 | 12°36 | 23°37 | 5°14 | 12°18 | 19°37 | 15°22 | 23°11 | 22°19 | 1°22 | 25°28 | T 24 |
| W25 | 22 44 29 | 9°19'18 | 23°36 | 21°17 | 22°58 | 13°16 | 23°45 | 5°10 | 12°22 | 19°36 | 15°22 | 22°57 | 22°16 | 1°29 | 25°25 | W25 |
| T 26 | 22 48 26 | 10°17'43 | 5♎28 | 20°30 | 24°13 | 13°56 | 23°52 | 5° 6 | 12°26 | 19°35 | 15°21 | 22°44 | 22°13 | 1°35 | 25°23 | T 26 |
| F 27 | 22 52 22 | 11°16'09 | 17°19 | 19°37 | 25°27 | 14°36 | 24° 0 | 5° 2 | 12°29 | 19°33 | 15°21 | 22°32 | 22°10 | 1°42 | 25°20 | F 27 |
| S 28 | 22 56 19 | 12°14'38 | 29°10 | 18°40 | 26°41 | 15°16 | 24° 8 | 4°57 | 12°33 | 19°32 | 15°21 | 22°23 | 22° 7 | 1°49 | 25°17 | S 28 |
| S 29 | 23 0 15 | 13°13'08 | 11♏ 5 | 17°40 | 27°56 | 15°56 | 24°16 | 4°53 | 12°37 | 19°31 | 15°20 | 22°17 | 22° 4 | 1°55 | 25°14 | S 29 |
| M30 | 23 4 12 | 14°11'40 | 23° 9 | 16°38 | 29°10 | 16°36 | 24°24 | 4°49 | 12°41 | 19°30 | 15°20 | 22°13 | 22° 0 | 2° 2 | 25°11 | M30 |
| T 31 | 23 8 8 | 15♍10'14 | 5♐24 | 15♍34 | 0♎25 | 17♎16 | 24♏32 | 4♈45 | 12♍44 | 19♈28 | 15♉19 | 22♐12 | 21♐57 | 2♎ 9 | 25♒ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 4 | 16s11 | 4s 3 | 5n19 | 1s24 | 15n 9 | 1n25 | 1n24 | 0n30 | 17s29 | 0n44 | 0n10 | 2s36 | 8n11 | 0n44 | 6n11 | 1s47 | 2n28 | 14s39 | 23s25 | 23s22 | 4s13 | 6s48 | 6n16 |
| M 2 | 15 46 | 19 26 | 3 19 | 4 45 | 1 34 | 14 44 | 1 25 | 1 8 | 0 30 | 17 30 | 0 44 | 0 9 | 2 36 | 8 10 | 0 44 | 6 10 | 1 47 | 2 28 | 14 39 | 23 25 | 23 22 | 4 15 | 6 49 | 6 16 |
| T 3 | 15 29 | 21 52 | 2 24 | 4 12 | 1 44 | 14 19 | 1 25 | 0 52 | 0 29 | 17 31 | 0 43 | 0 8 | 2 36 | 8 8 | 0 44 | 6 10 | 1 47 | 2 27 | 14 40 | 23 25 | 23 21 | 4 18 | 6 50 | 6 16 |
| W 4 | 15 11 | 23 17 | 1 21 | 3 39 | 1 55 | 13 54 | 1 26 | 0 36 | 0 28 | 17 32 | 0 43 | 0 7 | 2 37 | 8 7 | 0 44 | 6 10 | 1 47 | 2 27 | 14 40 | 23 25 | 23 21 | 4 21 | 6 51 | 6 16 |
| T 5 | 14 53 | 23 31 | 0 13 | 3 8 | 2 5 | 13 29 | 1 26 | 0 20 | 0 27 | 17 34 | 0 43 | 0 6 | 2 37 | 8 6 | 0 44 | 6 10 | 1 47 | 2 27 | 14 40 | 23 25 | 23 21 | 4 23 | 6 52 | 6 16 |
| F 6 | 14 34 | 22 24 | 0n59 | 2 37 | 2 15 | 13 3 | 1 26 | 0 4 | 0 27 | 17 35 | 0 43 | 0 4 | 2 37 | 8 4 | 0 44 | 6 9 | 1 47 | 2 27 | 14 41 | 23 25 | 23 21 | 4 26 | 6 53 | 6 16 |
| S 7 | 14 16 | 19 55 | 2 10 | 2 8 | 2 25 | 12 36 | 1 26 | 0s12 | 0 26 | 17 37 | 0 43 | 0 3 | 2 37 | 8 3 | 0 44 | 6 9 | 1 47 | 2 26 | 14 41 | 23 25 | 23 21 | 4 28 | 6 54 | 6 16 |
| S 8 | 13 57 | 16 8 | 3 14 | 1 40 | 2 35 | 12 10 | 1 26 | 0 28 | 0 25 | 17 38 | 0 42 | 0 2 | 2 37 | 8 1 | 0 44 | 6 9 | 1 47 | 2 26 | 14 41 | 23 25 | 23 21 | 4 31 | 6 55 | 6 16 |
| M 9 | 13 38 | 11 17 | 4 7 | 1 14 | 2 45 | 11 43 | 1 26 | 0 44 | 0 25 | 17 40 | 0 42 | 0 1 | 2 38 | 8 0 | 0 44 | 6 8 | 1 47 | 2 26 | 14 41 | 23 25 | 23 20 | 4 34 | 6 56 | 6 16 |
| T 10 | 13 18 | 5 40 | 4 45 | 0 49 | 2 55 | 11 16 | 1 26 | 1 0 | 0 24 | 17 41 | 0 42 | 0s 1 | 2 38 | 7 59 | 0 44 | 6 8 | 1 47 | 2 26 | 14 42 | 23 24 | 23 20 | 4 36 | 6 57 | 6 16 |
| W11 | 12 59 | 0n18 | 5 2 | 0 26 | 3 5 | 10 48 | 1 25 | 1 16 | 0 23 | 17 43 | 0 42 | 0 2 | 2 38 | 7 57 | 0 44 | 6 8 | 1 47 | 2 25 | 14 42 | 23 24 | 23 20 | 4 39 | 6 58 | 6 16 |
| T 12 | 12 39 | 6 13 | 4 59 | 0 4 | 3 14 | 10 20 | 1 25 | 1 32 | 0 23 | 17 45 | 0 41 | 0 3 | 2 38 | 7 56 | 0 44 | 6 7 | 1 47 | 2 25 | 14 42 | 23 23 | 23 20 | 4 41 | 6 59 | 6 16 |
| F 13 | 12 19 | 11 42 | 4 36 | 0s15 | 3 23 | 9 52 | 1 25 | 1 49 | 0 22 | 17 46 | 0 41 | 0 5 | 2 39 | 7 54 | 0 44 | 6 7 | 1 47 | 2 25 | 14 42 | 23 23 | 23 20 | 4 44 | 7 0 | 6 16 |
| S 14 | 11 59 | 16 23 | 3 55 | 0 32 | 3 31 | 9 24 | 1 24 | 2 5 | 0 21 | 17 48 | 0 41 | 0 6 | 2 39 | 7 53 | 0 44 | 6 7 | 1 47 | 2 24 | 14 43 | 23 23 | 23 20 | 4 46 | 7 1 | 6 16 |
| S 15 | 11 39 | 20 2 | 3 1 | 0 47 | 3 40 | 8 55 | 1 24 | 2 21 | 0 21 | 17 50 | 0 41 | 0 8 | 2 39 | 7 52 | 0 44 | 6 6 | 1 47 | 2 24 | 14 43 | 23 23 | 23 19 | 4 49 | 7 2 | 6 16 |
| M16 | 11 18 | 22 24 | 1 57 | 1 0 | 3 47 | 8 26 | 1 23 | 2 37 | 0 20 | 17 51 | 0 41 | 0 9 | 2 39 | 7 50 | 0 44 | 6 6 | 1 47 | 2 24 | 14 43 | 23 23 | 23 19 | 4 52 | 7 3 | 6 16 |
| T 17 | 10 58 | 23 27 | 0 49 | 1 9 | 3 54 | 7 57 | 1 23 | 2 53 | 0 19 | 17 53 | 0 40 | 0 11 | 2 39 | 7 49 | 0 44 | 6 5 | 1 47 | 2 24 | 14 44 | 23 23 | 23 19 | 4 54 | 7 4 | 6 15 |
| W18 | 10 37 | 23 10 | 0s20 | 1 16 | 4 0 | 7 28 | 1 22 | 3 9 | 0 18 | 17 55 | 0 40 | 0 12 | 2 40 | 7 47 | 0 44 | 6 5 | 1 48 | 2 23 | 14 44 | 23 23 | 23 19 | 4 57 | 7 5 | 6 15 |
| T 19 | 10 16 | 21 40 | 1 27 | 1 19 | 4 6 | 6 58 | 1 21 | 3 26 | 0 18 | 17 57 | 0 40 | 0 14 | 2 40 | 7 46 | 0 44 | 6 4 | 1 48 | 2 23 | 14 44 | 23 23 | 23 19 | 4 59 | 7 6 | 6 15 |
| F 20 | 9 54 | 19 7 | 2 28 | 1 19 | 4 10 | 6 28 | 1 21 | 3 42 | 0 17 | 17 59 | 0 40 | 0 16 | 2 40 | 7 44 | 0 44 | 6 4 | 1 48 | 2 23 | 14 44 | 23 23 | 23 19 | 5 2 | 7 7 | 6 15 |
| S 21 | 9 33 | 15 44 | 3 21 | 1 16 | 4 13 | 5 59 | 1 20 | 3 58 | 0 16 | 18 1 | 0 40 | 0 17 | 2 40 | 7 43 | 0 44 | 6 4 | 1 48 | 2 22 | 14 45 | 23 22 | 23 18 | 5 4 | 7 8 | 6 15 |
| S 22 | 9 12 | 11 44 | 4 4 | 1 9 | 4 15 | 5 28 | 1 19 | 4 14 | 0 16 | 18 3 | 0 39 | 0 19 | 2 40 | 7 41 | 0 44 | 6 3 | 1 48 | 2 22 | 14 45 | 23 22 | 23 18 | 5 7 | 7 9 | 6 15 |
| M23 | 8 50 | 7 19 | 4 35 | 0 58 | 4 16 | 4 58 | 1 18 | 4 30 | 0 15 | 18 5 | 0 39 | 0 21 | 2 40 | 7 40 | 0 44 | 6 3 | 1 48 | 2 22 | 14 45 | 23 21 | 23 18 | 5 10 | 7 10 | 6 15 |
| T 24 | 8 28 | 2 40 | 4 54 | 0 43 | 4 15 | 4 28 | 1 17 | 4 46 | 0 14 | 18 7 | 0 39 | 0 22 | 2 41 | 7 39 | 0 44 | 6 2 | 1 48 | 2 21 | 14 45 | 23 21 | 23 18 | 5 12 | 7 11 | 6 15 |
| W25 | 8 6 | 2s 3 | 5 0 | 0 24 | 4 12 | 3 57 | 1 16 | 5 3 | 0 14 | 18 9 | 0 39 | 0 24 | 2 41 | 7 37 | 0 44 | 6 2 | 1 48 | 2 21 | 14 46 | 23 20 | 23 18 | 5 15 | 7 12 | 6 15 |
| T 26 | 7 44 | 6 39 | 4 53 | 0 1 | 4 8 | 3 27 | 1 15 | 5 19 | 0 13 | 18 11 | 0 39 | 0 26 | 2 41 | 7 36 | 0 44 | 6 1 | 1 48 | 2 21 | 14 46 | 23 19 | 23 17 | 5 17 | 7 13 | 6 14 |
| F 27 | 7 22 | 11 1 | 4 33 | 0n25 | 4 1 | 2 56 | 1 13 | 5 35 | 0 12 | 18 13 | 0 38 | 0 28 | 2 41 | 7 34 | 0 44 | 6 1 | 1 48 | 2 20 | 14 46 | 23 19 | 23 17 | 5 20 | 7 15 | 6 14 |
| S 28 | 6 59 | 14 58 | 4 1 | 0 55 | 3 53 | 2 25 | 1 12 | 5 51 | 0 12 | 18 15 | 0 38 | 0 29 | 2 41 | 7 33 | 0 44 | 6 0 | 1 48 | 2 20 | 14 46 | 23 18 | 23 17 | 5 22 | 7 16 | 6 14 |
| S 29 | 6 37 | 18 21 | 3 19 | 1 28 | 3 43 | 1 54 | 1 11 | 6 7 | 0 11 | 18 17 | 0 38 | 0 31 | 2 41 | 7 31 | 0 44 | 6 0 | 1 48 | 2 20 | 14 47 | 23 18 | 23 17 | 5 25 | 7 17 | 6 14 |
| M30 | 6 14 | 20 59 | 2 27 | 2 4 | 3 31 | 1 23 | 1 9 | 6 23 | 0 10 | 18 19 | 0 38 | 0 33 | 2 42 | 7 30 | 0 44 | 5 59 | 1 48 | 2 19 | 14 47 | 23 17 | 23 17 | 5 27 | 7 18 | 6 14 |
| T 31 | 5n52 | 22s43 | 1s28 | 2n41 | 3s17 | 0n52 | 1n 8 | 6s39 | 0n10 | 18s22 | 0n38 | 0s35 | 2s42 | 7n28 | 0n44 | 5n59 | 1s48 | 2n19 | 14s47 | 23s17 | 23s16 | 5s30 | 7s19 | 6n14 |

Julian Day Number = 2224584.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'20, Lahiri = 15°11'20 Julian Calendar 1 Aug. 1378 == Greg. Calendar 9 Aug. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## SEPTEMBER 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 12 5 | 16♍ 8'49 | 17♐56 | 14°R32 | 1♎39 | 17♎56 | 24♏41 | 4°R40 | 12♍48 | 19°R27 | 15°R19 | 22°R11 | 21♐54 | 2♎16 | 25°R 6 | W 1 |
| T 2 | 23 16 1 | 17° 7'26 | 0♑51 | 13♍32 | 2°53 | 18°36 | 24°49 | 4♈36 | 12°52 | 19♈26 | 15♉18 | 22♐11 | 21°51 | 2°22 | 25♒ 3 | T 2 |
| F 3 | 23 19 58 | 18° 6'05 | 14°11 | 12°35 | 4° 8 | 19°17 | 24°58 | 4°32 | 12°56 | 19°24 | 15°18 | 22°10 | 21°48 | 2°29 | 25° 1 | F 3 |
| S 4 | 23 23 54 | 19° 4'46 | 28° 1 | 11°44 | 5°22 | 19°57 | 25° 7 | 4°27 | 13° 0 | 19°23 | 15°17 | 22° 7 | 21°44 | 2°36 | 24°58 | S 4 |
| S 5 | 23 27 51 | 20° 3'28 | 12♒21 | 11° 0 | 6°36 | 20°38 | 25°15 | 4°23 | 13° 3 | 19°22 | 15°17 | 22° 1 | 21°41 | 2°42 | 24°55 | S 5 |
| M 6 | 23 31 48 | 21° 2'12 | 27° 9 | 10°23 | 7°51 | 21°18 | 25°24 | 4°18 | 13° 7 | 19°20 | 15°16 | 21°52 | 21°38 | 2°49 | 24°53 | M 6 |
| T 7 | 23 35 44 | 22° 0'58 | 12♓17 | 9°55 | 9° 5 | 21°59 | 25°33 | 4°14 | 13°11 | 19°19 | 15°15 | 21°42 | 21°35 | 2°56 | 24°50 | T 7 |
| W 8 | 23 39 41 | 22°59'46 | 27°36 | 9°36 | 10°19 | 22°39 | 25°43 | 4° 9 | 13°15 | 19°17 | 15°15 | 21°31 | 21°32 | 3° 3 | 24°48 | W 8 |
| T 9 | 23 43 37 | 23°58'36 | 12♈55 | 9°D27 | 11°34 | 23°20 | 25°52 | 4° 4 | 13°18 | 19°16 | 15°14 | 21°20 | 21°29 | 3° 9 | 24°45 | T 9 |
| F 10 | 23 47 34 | 24°57'28 | 28° 3 | 9°29 | 12°48 | 24° 1 | 26° 1 | 4° 0 | 13°22 | 19°14 | 15°14 | 21°11 | 21°25 | 3°16 | 24°43 | F 10 |
| S 11 | 23 51 30 | 25°56'22 | 12♉49 | 9°40 | 14° 2 | 24°42 | 26°11 | 3°55 | 13°26 | 19°13 | 15°13 | 21° 5 | 21°22 | 3°23 | 24°41 | S 11 |
| S 12 | 23 55 27 | 26°55'19 | 27° 9 | 10° 2 | 15°17 | 25°23 | 26°21 | 3°50 | 13°29 | 19°11 | 15°12 | 21° 1 | 21°19 | 3°29 | 24°38 | S 12 |
| M13 | 23 59 23 | 27°54'18 | 11♊ 1 | 10°33 | 16°31 | 26° 4 | 26°30 | 3°46 | 13°33 | 19°10 | 15°11 | 21° 0 | 21°16 | 3°36 | 24°36 | M13 |
| T 14 | 0 3 20 | 28°53'19 | 24°26 | 11°13 | 17°45 | 26°45 | 26°40 | 3°41 | 13°37 | 19° 8 | 15°11 | 21° 0 | 21°13 | 3°43 | 24°34 | T 14 |
| W15 | 0 7 17 | 29°52'23 | 7♋26 | 12° 2 | 19° 0 | 27°26 | 26°50 | 3°36 | 13°40 | 19° 7 | 15°10 | 20°59 | 21°10 | 3°50 | 24°31 | W15 |
| T 16 | 0 11 13 | 0♌51'29 | 20° 6 | 12°59 | 20°14 | 28° 7 | 27° 0 | 3°32 | 13°44 | 19° 5 | 15° 9 | 20°58 | 21° 6 | 3°56 | 24°29 | T 16 |
| F 17 | 0 15 10 | 1°50'37 | 2♌30 | 14° 3 | 21°28 | 28°48 | 27°10 | 3°27 | 13°48 | 19° 3 | 15° 8 | 20°55 | 21° 3 | 4° 3 | 24°27 | F 17 |
| S 18 | 0 19 6 | 2°49'48 | 14°42 | 15°13 | 22°42 | 29°29 | 27°21 | 3°22 | 13°51 | 19° 2 | 15° 8 | 20°49 | 21° 0 | 4°10 | 24°25 | S 18 |
| S 19 | 0 23 3 | 3°49'01 | 26°45 | 16°30 | 23°57 | 0♏11 | 27°31 | 3°17 | 13°55 | 19° 0 | 15° 7 | 20°40 | 20°57 | 4°17 | 24°23 | S 19 |
| M20 | 0 26 59 | 4°48'16 | 8♍43 | 17°51 | 25°11 | 0°52 | 27°41 | 3°13 | 13°59 | 18°59 | 15° 6 | 20°28 | 20°54 | 4°23 | 24°21 | M20 |
| T 21 | 0 30 56 | 5°47'33 | 20°37 | 19°17 | 26°25 | 1°34 | 27°52 | 3° 8 | 14° 2 | 18°57 | 15° 5 | 20°15 | 20°50 | 4°30 | 24°19 | T 21 |
| W22 | 0 34 52 | 6°46'53 | 2♎29 | 20°46 | 27°40 | 2°15 | 28° 3 | 3° 3 | 14° 6 | 18°55 | 15° 4 | 20° 1 | 20°47 | 4°37 | 24°17 | W22 |
| T 23 | 0 38 49 | 7°46'14 | 14°21 | 22°19 | 28°54 | 2°57 | 28°13 | 2°58 | 14° 9 | 18°54 | 15° 4 | 19°47 | 20°44 | 4°43 | 24°15 | T 23 |
| F 24 | 0 42 46 | 8°45'38 | 26°13 | 23°54 | 0♏ 8 | 3°39 | 28°24 | 2°54 | 14°13 | 18°52 | 15° 3 | 19°35 | 20°41 | 4°50 | 24°13 | F 24 |
| S 25 | 0 46 42 | 9°45'04 | 8♏ 8 | 25°31 | 1°23 | 4°20 | 28°35 | 2°49 | 14°16 | 18°50 | 15° 2 | 19°26 | 20°38 | 4°57 | 24°11 | S 25 |
| S 26 | 0 50 39 | 10°44'31 | 20° 8 | 27°10 | 2°37 | 5° 2 | 28°46 | 2°44 | 14°20 | 18°49 | 15° 1 | 19°19 | 20°35 | 5° 4 | 24° 9 | S 26 |
| M27 | 0 54 35 | 11°44'01 | 2♐15 | 28°51 | 3°51 | 5°44 | 28°57 | 2°40 | 14°23 | 18°47 | 15° 0 | 19°16 | 20°31 | 5°10 | 24° 8 | M27 |
| T 28 | 0 58 32 | 12°43'32 | 14°33 | 0♎32 | 5° 5 | 6°26 | 29° 8 | 2°35 | 14°27 | 18°45 | 14°59 | 19°D14 | 20°28 | 5°17 | 24° 6 | T 28 |
| W29 | 1 2 28 | 13°43'06 | 27° 5 | 2°14 | 6°20 | 7° 8 | 29°20 | 2°30 | 14°30 | 18°44 | 14°58 | 19°14 | 20°25 | 5°24 | 24° 4 | W29 |
| T 30 | 1 6 25 | 14♎42'41 | 9♑56 | 3♎56 | 7♏34 | 7♏50 | 29♏31 | 2♈26 | 14♍34 | 18♈42 | 14♉57 | 19°R15 | 20♐22 | 5♎30 | 24♒ 3 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n29 | 23s21 | 0s22 | 3n20 | 3s 1 | 0n21 | 1n 6 | 6s55 | 0n 9 | 18s24 | 0n37 | 0s37 | 2s42 | 7n27 | 0n44 | 5n58 | 1s48 | 2n18 | 14s47 | 23s17 | 23s16 | 5s33 | 7s20 | 6n13 |
| T 2 | 5 6 | 22 45 | 0n46 | 3 59 | 2 44 | 0s10 | 1 5 | 7 11 | 0 8 | 18 26 | 0 37 | 0 39 | 2 42 | 7 26 | 0 44 | 5 58 | 1 48 | 2 18 | 14 48 | 23 17 | 23 16 | 5 35 | 7 21 | 6 13 |
| F 3 | 4 43 | 20 53 | 1 53 | 4 37 | 2 26 | 0 41 | 1 3 | 7 27 | 0 8 | 18 28 | 0 37 | 0 40 | 2 42 | 7 24 | 0 44 | 5 57 | 1 48 | 2 18 | 14 48 | 23 17 | 23 16 | 5 38 | 7 22 | 6 13 |
| S 4 | 4 20 | 17 44 | 2 57 | 5 14 | 2 6 | 1 12 | 1 1 | 7 43 | 0 7 | 18 31 | 0 37 | 0 42 | 2 42 | 7 23 | 0 44 | 5 56 | 1 48 | 2 17 | 14 48 | 23 17 | 23 16 | 5 40 | 7 23 | 6 13 |
| S 5 | 3 57 | 13 26 | 3 52 | 5 49 | 1 47 | 1 43 | 1 0 | 7 59 | 0 6 | 18 33 | 0 37 | 0 44 | 2 42 | 7 21 | 0 44 | 5 56 | 1 48 | 2 17 | 14 48 | 23 17 | 23 15 | 5 43 | 7 24 | 6 12 |
| M 6 | 3 34 | 8 14 | 4 33 | 6 22 | 1 27 | 2 14 | 0 58 | 8 15 | 0 6 | 18 35 | 0 36 | 0 46 | 2 42 | 7 20 | 0 44 | 5 55 | 1 48 | 2 17 | 14 49 | 23 16 | 23 15 | 5 45 | 7 25 | 6 12 |
| T 7 | 3 11 | 2 25 | 4 56 | 6 51 | 1 7 | 2 45 | 0 56 | 8 31 | 0 5 | 18 38 | 0 36 | 0 48 | 2 42 | 7 18 | 0 44 | 5 55 | 1 48 | 2 16 | 14 49 | 23 16 | 23 15 | 5 48 | 7 26 | 6 12 |
| W 8 | 2 47 | 3n36 | 4 58 | 7 16 | 0 47 | 3 16 | 0 54 | 8 47 | 0 4 | 18 40 | 0 36 | 0 50 | 2 43 | 7 17 | 0 44 | 5 54 | 1 48 | 2 16 | 14 49 | 23 15 | 23 15 | 5 50 | 7 27 | 6 12 |
| T 9 | 2 24 | 9 24 | 4 39 | 7 37 | 0 28 | 3 47 | 0 52 | 9 2 | 0 4 | 18 42 | 0 36 | 0 52 | 2 43 | 7 15 | 0 44 | 5 54 | 1 48 | 2 15 | 14 49 | 23 14 | 23 15 | 5 53 | 7 28 | 6 12 |
| F 10 | 2 1 | 14 33 | 4 1 | 7 54 | 0 10 | 4 18 | 0 50 | 9 18 | 0 3 | 18 45 | 0 36 | 0 54 | 2 43 | 7 14 | 0 44 | 5 53 | 1 48 | 2 15 | 14 49 | 23 14 | 23 14 | 5 55 | 7 29 | 6 11 |
| S 11 | 1 37 | 18 42 | 3 7 | 8 5 | 0n 8 | 4 49 | 0 48 | 9 34 | 0 2 | 18 47 | 0 36 | 0 56 | 2 43 | 7 13 | 0 44 | 5 52 | 1 48 | 2 15 | 14 50 | 23 13 | 23 14 | 5 58 | 7 30 | 6 11 |
| S 12 | 1 14 | 21 34 | 2 2 | 8 12 | 0 24 | 5 20 | 0 46 | 9 49 | 0 2 | 18 50 | 0 35 | 0 57 | 2 43 | 7 11 | 0 44 | 5 52 | 1 49 | 2 14 | 14 50 | 23 13 | 23 14 | 6 0 | 7 31 | 6 11 |
| M13 | 0 50 | 23 2 | 0 53 | 8 14 | 0 39 | 5 50 | 0 44 | 10 5 | 0 1 | 18 52 | 0 35 | 0 59 | 2 43 | 7 10 | 0 44 | 5 51 | 1 49 | 2 14 | 14 50 | 23 13 | 23 14 | 6 3 | 7 32 | 6 11 |
| T 14 | 0 27 | 23 6 | 0s18 | 8 11 | 0 52 | 6 21 | 0 42 | 10 20 | 0 0 | 18 55 | 0 35 | 1 1 | 2 43 | 7 8 | 0 44 | 5 51 | 1 49 | 2 13 | 14 50 | 23 13 | 23 14 | 6 5 | 7 33 | 6 10 |
| W15 | 0 3 | 21 53 | 1 26 | 8 4 | 1 4 | 6 51 | 0 39 | 10 36 | 0s 0 | 18 57 | 0 35 | 1 3 | 2 43 | 7 7 | 0 44 | 5 50 | 1 49 | 2 13 | 14 50 | 23 13 | 23 13 | 6 8 | 7 34 | 6 10 |
| T 16 | 0s21 | 19 35 | 2 27 | 7 52 | 1 15 | 7 21 | 0 37 | 10 51 | 0 1 | 18 59 | 0 35 | 1 5 | 2 43 | 7 6 | 0 44 | 5 49 | 1 49 | 2 13 | 14 51 | 23 13 | 23 13 | 6 10 | 7 35 | 6 10 |
| F 17 | 0 44 | 16 25 | 3 21 | 7 36 | 1 25 | 7 52 | 0 35 | 11 7 | 0 2 | 19 2 | 0 35 | 1 7 | 2 43 | 7 4 | 0 44 | 5 49 | 1 49 | 2 12 | 14 51 | 23 12 | 23 13 | 6 13 | 7 36 | 6 9 |
| S 18 | 1 8 | 12 36 | 4 4 | 7 16 | 1 33 | 8 21 | 0 33 | 11 22 | 0 2 | 19 4 | 0 34 | 1 9 | 2 43 | 7 3 | 0 44 | 5 48 | 1 49 | 2 12 | 14 51 | 23 12 | 23 13 | 6 15 | 7 37 | 6 9 |
| S 19 | 1 31 | 8 19 | 4 35 | 6 53 | 1 40 | 8 51 | 0 30 | 11 37 | 0 3 | 19 7 | 0 34 | 1 11 | 2 43 | 7 1 | 0 44 | 5 47 | 1 49 | 2 12 | 14 51 | 23 11 | 23 13 | 6 18 | 7 38 | 6 9 |
| M20 | 1 55 | 3 47 | 4 54 | 6 26 | 1 46 | 9 21 | 0 28 | 11 52 | 0 4 | 19 10 | 0 34 | 1 13 | 2 43 | 7 0 | 0 44 | 5 47 | 1 49 | 2 11 | 14 51 | 23 11 | 23 12 | 6 20 | 7 39 | 6 9 |
| T 21 | 2 19 | 0s52 | 5 0 | 5 57 | 1 50 | 9 50 | 0 25 | 12 7 | 0 4 | 19 12 | 0 34 | 1 15 | 2 43 | 6 59 | 0 44 | 5 46 | 1 49 | 2 11 | 14 52 | 23 10 | 23 12 | 6 23 | 7 40 | 6 8 |
| W22 | 2 42 | 5 28 | 4 54 | 5 24 | 1 53 | 10 19 | 0 23 | 12 22 | 0 5 | 19 15 | 0 34 | 1 17 | 2 43 | 6 57 | 0 44 | 5 46 | 1 49 | 2 10 | 14 52 | 23 9 | 23 12 | 6 25 | 7 41 | 6 8 |
| T 23 | 3 6 | 9 53 | 4 34 | 4 50 | 1 56 | 10 48 | 0 20 | 12 37 | 0 5 | 19 17 | 0 34 | 1 18 | 2 43 | 6 56 | 0 44 | 5 45 | 1 49 | 2 10 | 14 52 | 23 8 | 23 12 | 6 28 | 7 42 | 6 8 |
| F 24 | 3 29 | 13 55 | 4 2 | 4 13 | 1 57 | 11 17 | 0 18 | 12 52 | 0 6 | 19 20 | 0 33 | 1 20 | 2 43 | 6 55 | 0 44 | 5 44 | 1 49 | 2 10 | 14 52 | 23 7 | 23 11 | 6 30 | 7 43 | 6 7 |
| S 25 | 3 53 | 17 25 | 3 20 | 3 35 | 1 58 | 11 45 | 0 15 | 13 7 | 0 7 | 19 22 | 0 33 | 1 22 | 2 43 | 6 53 | 0 44 | 5 44 | 1 49 | 2 9 | 14 52 | 23 6 | 23 11 | 6 33 | 7 44 | 6 7 |
| S 26 | 4 16 | 20 13 | 2 28 | 2 56 | 1 58 | 12 13 | 0 13 | 13 22 | 0 7 | 19 25 | 0 33 | 1 24 | 2 43 | 6 52 | 0 44 | 5 43 | 1 49 | 2 9 | 14 52 | 23 5 | 23 11 | 6 35 | 7 45 | 6 7 |
| M27 | 4 39 | 22 8 | 1 29 | 2 15 | 1 57 | 12 41 | 0 10 | 13 36 | 0 8 | 19 27 | 0 33 | 1 26 | 2 43 | 6 51 | 0 44 | 5 42 | 1 49 | 2 8 | 14 52 | 23 5 | 23 11 | 6 38 | 7 46 | 6 6 |
| T 28 | 5 3 | 23 2 | 0 25 | 1 33 | 1 55 | 13 9 | 0 8 | 13 51 | 0 9 | 19 30 | 0 33 | 1 28 | 2 43 | 6 49 | 0 44 | 5 42 | 1 49 | 2 8 | 14 53 | 23 5 | 23 11 | 6 40 | 7 46 | 6 6 |
| W29 | 5 26 | 22 48 | 0n42 | 0 50 | 1 53 | 13 36 | 0 5 | 14 5 | 0 9 | 19 33 | 0 33 | 1 29 | 2 43 | 6 48 | 0 44 | 5 41 | 1 49 | 2 8 | 14 53 | 23 5 | 23 10 | 6 43 | 7 47 | 6 6 |
| T 30 | 5s49 | 21s21 | 1n48 | 0n 6 | 1n50 | 14s 3 | 0n 2 | 14s19 | 0s10 | 19s35 | 0n32 | 1s31 | 2s43 | 6n47 | 0n44 | 5n40 | 1s49 | 2n 7 | 14s53 | 23s 5 | 23s10 | 6s45 | 7s48 | 6n 5 |

Julian Day Number = 2224615.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'24, Lahiri = 15°11'24 Julian Calendar 1 Sept. 1378 == Greg. Calendar 9 Sept. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## OCTOBER 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 10 21 | 15♎42'18 | 23♑10 | 5♎39 | 8♏48 | 8♏32 | 29♏42 | 2°R21 | 14♍37 | 18°R40 | 14°R56 | 19°R15 | 20♐19 | 5♎37 | 24°R 1 | F 1 |
| S 2 | 1 14 18 | 16°41'56 | 6♒51 | 7°22 | 10° 3 | 9°14 | 29°54 | 2♈17 | 14°40 | 18♈39 | 14♉55 | 19♐13 | 20°16 | 5°44 | 24♒ 0 | S 2 |
| S 3 | 1 18 15 | 17°41'37 | 20°59 | 9° 5 | 11°17 | 9°57 | 0♐ 5 | 2°12 | 14°44 | 18°37 | 14°54 | 19° 9 | 20°12 | 5°51 | 23°59 | S 3 |
| M 4 | 1 22 11 | 18°41'18 | 5♓35 | 10°48 | 12°31 | 10°39 | 0°17 | 2° 8 | 14°47 | 18°35 | 14°53 | 19° 2 | 20° 9 | 5°57 | 23°57 | M 4 |
| T 5 | 1 26 8 | 19°41'02 | 20°33 | 12°31 | 13°45 | 11°21 | 0°29 | 2° 3 | 14°50 | 18°34 | 14°52 | 18°54 | 20° 6 | 6° 4 | 23°56 | T 5 |
| W 6 | 1 30 4 | 20°40'48 | 5♈47 | 14°13 | 14°59 | 12° 4 | 0°41 | 1°59 | 14°54 | 18°32 | 14°51 | 18°45 | 20° 3 | 6°11 | 23°55 | W 6 |
| T 7 | 1 34 1 | 21°40'35 | 21° 5 | 15°55 | 16°14 | 12°46 | 0°52 | 1°55 | 14°57 | 18°30 | 14°50 | 18°36 | 20° 0 | 6°17 | 23°53 | T 7 |
| F 8 | 1 37 57 | 22°40'25 | 6♉17 | 17°36 | 17°28 | 13°29 | 1° 4 | 1°50 | 15° 0 | 18°29 | 14°49 | 18°29 | 19°56 | 6°24 | 23°52 | F 8 |
| S 9 | 1 41 54 | 23°40'17 | 21°11 | 19°18 | 18°42 | 14°11 | 1°16 | 1°46 | 15° 3 | 18°27 | 14°48 | 18°24 | 19°53 | 6°31 | 23°51 | S 9 |
| S 10 | 1 45 50 | 24°40'10 | 5♊42 | 20°58 | 19°56 | 14°54 | 1°28 | 1°42 | 15° 6 | 18°25 | 14°47 | 18°21 | 19°50 | 6°38 | 23°50 | S 10 |
| M11 | 1 49 47 | 25°40'06 | 19°44 | 22°38 | 21°10 | 15°37 | 1°41 | 1°38 | 15° 9 | 18°24 | 14°46 | 18°D20 | 19°47 | 6°44 | 23°49 | M11 |
| T 12 | 1 53 43 | 26°40'05 | 3♋17 | 24°18 | 22°24 | 16°19 | 1°53 | 1°34 | 15°12 | 18°22 | 14°45 | 18°21 | 19°44 | 6°51 | 23°48 | T 12 |
| W13 | 1 57 40 | 27°40'05 | 16°24 | 25°58 | 23°39 | 17° 2 | 2° 5 | 1°30 | 15°15 | 18°20 | 14°44 | 18°22 | 19°41 | 6°58 | 23°47 | W13 |
| T 14 | 2 1 37 | 28°40'08 | 29° 7 | 27°36 | 24°53 | 17°45 | 2°17 | 1°26 | 15°19 | 18°19 | 14°43 | 18°R23 | 19°37 | 7° 4 | 23°47 | T 14 |
| F 15 | 2 5 33 | 29°40'12 | 11♌31 | 29°15 | 26° 7 | 18°28 | 2°30 | 1°22 | 15°21 | 18°17 | 14°42 | 18°22 | 19°34 | 7°11 | 23°46 | F 15 |
| S 16 | 2 9 30 | 0♏40'19 | 23°40 | 0♏53 | 27°21 | 19°11 | 2°42 | 1°18 | 15°24 | 18°15 | 14°41 | 18°19 | 19°31 | 7°18 | 23°45 | S 16 |
| S 17 | 2 13 26 | 1°40'28 | 5♍40 | 2°30 | 28°35 | 19°54 | 2°55 | 1°14 | 15°27 | 18°14 | 14°40 | 18°14 | 19°28 | 7°25 | 23°45 | S 17 |
| M18 | 2 17 23 | 2°40'39 | 17°34 | 4° 7 | 29°49 | 20°38 | 3° 7 | 1°11 | 15°30 | 18°12 | 14°39 | 18° 7 | 19°25 | 7°31 | 23°44 | M18 |
| T 19 | 2 21 19 | 3°40'52 | 29°25 | 5°44 | 1♐ 3 | 21°21 | 3°20 | 1° 7 | 15°33 | 18°11 | 14°37 | 17°59 | 19°21 | 7°38 | 23°44 | T 19 |
| W20 | 2 25 16 | 4°41'07 | 11♎17 | 7°20 | 2°17 | 22° 4 | 3°32 | 1° 3 | 15°36 | 18° 9 | 14°36 | 17°50 | 19°18 | 7°45 | 23°43 | W20 |
| T 21 | 2 29 12 | 5°41'24 | 23°11 | 8°56 | 3°31 | 22°47 | 3°45 | 1° 0 | 15°39 | 18° 7 | 14°35 | 17°42 | 19°15 | 7°51 | 23°43 | T 21 |
| F 22 | 2 33 9 | 6°41'43 | 5♏ 8 | 10°31 | 4°46 | 23°31 | 3°58 | 0°57 | 15°41 | 18° 6 | 14°34 | 17°35 | 19°12 | 7°58 | 23°42 | F 22 |
| S 23 | 2 37 6 | 7°42'04 | 17°12 | 12° 6 | 6° 0 | 24°14 | 4°11 | 0°53 | 15°44 | 18° 4 | 14°33 | 17°29 | 19° 9 | 8° 5 | 23°42 | S 23 |
| S 24 | 2 41 2 | 8°42'26 | 29°22 | 13°41 | 7°14 | 24°58 | 4°24 | 0°50 | 15°47 | 18° 3 | 14°32 | 17°25 | 19° 6 | 8°12 | 23°42 | S 24 |
| M25 | 2 44 59 | 9°42'50 | 11♐40 | 15°15 | 8°28 | 25°41 | 4°36 | 0°47 | 15°49 | 18° 1 | 14°31 | 17°D23 | 19° 2 | 8°18 | 23°42 | M25 |
| T 26 | 2 48 55 | 10°43'16 | 24° 9 | 16°49 | 9°42 | 26°25 | 4°49 | 0°44 | 15°52 | 18° 0 | 14°30 | 17°23 | 18°59 | 8°25 | 23°42 | T 26 |
| W27 | 2 52 52 | 11°43'43 | 6♑50 | 18°23 | 10°56 | 27° 9 | 5° 2 | 0°41 | 15°54 | 17°58 | 14°29 | 17°25 | 18°56 | 8°32 | 23°D42 | W27 |
| T 28 | 2 56 48 | 12°44'11 | 19°47 | 19°56 | 12°10 | 27°52 | 5°15 | 0°38 | 15°57 | 17°57 | 14°27 | 17°26 | 18°53 | 8°38 | 23°42 | T 28 |
| F 29 | 3 0 45 | 13°44'41 | 3♒ 2 | 21°30 | 13°24 | 28°36 | 5°28 | 0°35 | 15°59 | 17°55 | 14°26 | 17°28 | 18°50 | 8°45 | 23°42 | F 29 |
| S 30 | 3 4 41 | 14°45'12 | 16°37 | 23° 3 | 14°38 | 29°20 | 5°42 | 0°32 | 16° 2 | 17°54 | 14°25 | 17°R28 | 18°47 | 8°52 | 23°42 | S 30 |
| S 31 | 3 8 38 | 15♏45'45 | 0♓34 | 24♏35 | 15♐52 | 0♐ 4 | 5♐55 | 0♈30 | 16♍ 4 | 17♈52 | 14♉24 | 17♐27 | 18♐43 | 8♎59 | 23♒42 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 6s12 | 18s43 | 2n51 | 0s38 | 1n46 | 14s29 | 0s 0 | 14s34 | 0s11 | 19s38 | 0n32 | 1s33 | 2s43 | 6n45 | 0n44 | 5n40 | 1s49 | 2n 7 | 14s53 | 23s 5 | 23s10 | 6s48 | 7s49 | 6n 5 | F 1 |
| S 2 | 6 35 | 14 59 | 3 46 | 1 22 | 1 43 | 14 56 | 0 3 | 14 48 | 0 11 | 19 40 | 0 32 | 1 35 | 2 43 | 6 44 | 0 44 | 5 39 | 1 49 | 2 6 | 14 53 | 23 5 | 23 10 | 6 50 | 7 50 | 6 5 | S 2 |
| S 3 | 6 58 | 10 18 | 4 29 | 2 6 | 1 38 | 15 21 | 0 6 | 15 2 | 0 12 | 19 43 | 0 32 | 1 37 | 2 43 | 6 43 | 0 44 | 5 39 | 1 49 | 2 6 | 14 53 | 23 4 | 23 9 | 6 52 | 7 50 | 6 4 | S 3 |
| M 4 | 7 21 | 4 54 | 4 56 | 2 51 | 1 34 | 15 47 | 0 8 | 15 16 | 0 12 | 19 46 | 0 32 | 1 38 | 2 43 | 6 41 | 0 44 | 5 38 | 1 49 | 2 6 | 14 53 | 23 4 | 23 9 | 6 55 | 7 51 | 6 4 | M 4 |
| T 5 | 7 43 | 0n54 | 5 4 | 3 36 | 1 29 | 16 12 | 0 11 | 15 30 | 0 13 | 19 48 | 0 32 | 1 40 | 2 43 | 6 40 | 0 44 | 5 37 | 1 49 | 2 5 | 14 53 | 23 3 | 23 9 | 6 57 | 7 52 | 6 3 | T 5 |
| W 6 | 8 6 | 6 45 | 4 51 | 4 20 | 1 24 | 16 37 | 0 14 | 15 43 | 0 14 | 19 51 | 0 32 | 1 42 | 2 43 | 6 39 | 0 44 | 5 37 | 1 49 | 2 5 | 14 54 | 23 3 | 23 9 | 7 0 | 7 53 | 6 3 | W 6 |
| T 7 | 8 29 | 12 14 | 4 17 | 5 5 | 1 18 | 17 1 | 0 17 | 15 57 | 0 14 | 19 53 | 0 31 | 1 43 | 2 42 | 6 38 | 0 44 | 5 36 | 1 49 | 2 5 | 14 54 | 23 2 | 23 8 | 7 2 | 7 53 | 6 3 | T 7 |
| F 8 | 8 51 | 16 53 | 3 26 | 5 49 | 1 12 | 17 25 | 0 19 | 16 10 | 0 15 | 19 56 | 0 31 | 1 45 | 2 42 | 6 37 | 0 44 | 5 35 | 1 49 | 2 4 | 14 54 | 23 1 | 23 8 | 7 5 | 7 54 | 6 2 | F 8 |
| S 9 | 9 13 | 20 22 | 2 20 | 6 33 | 1 7 | 17 48 | 0 22 | 16 24 | 0 16 | 19 59 | 0 31 | 1 46 | 2 42 | 6 35 | 0 44 | 5 35 | 1 49 | 2 4 | 14 54 | 23 1 | 23 8 | 7 7 | 7 55 | 6 2 | S 9 |
| S 10 | 9 35 | 22 26 | 1 7 | 7 17 | 1 1 | 18 11 | 0 25 | 16 37 | 0 16 | 20 1 | 0 31 | 1 48 | 2 42 | 6 34 | 0 44 | 5 34 | 1 49 | 2 3 | 14 54 | 23 0 | 23 8 | 7 10 | 7 56 | 6 2 | S 10 |
| M11 | 9 57 | 23 0 | 0s 7 | 8 0 | 0 54 | 18 33 | 0 28 | 16 50 | 0 17 | 20 4 | 0 31 | 1 50 | 2 42 | 6 33 | 0 44 | 5 33 | 1 49 | 2 3 | 14 54 | 23 0 | 23 7 | 7 12 | 7 56 | 6 1 | M11 |
| T 12 | 10 19 | 22 9 | 1 20 | 8 43 | 0 48 | 18 55 | 0 30 | 17 3 | 0 17 | 20 6 | 0 31 | 1 51 | 2 42 | 6 32 | 0 44 | 5 33 | 1 49 | 2 3 | 14 54 | 23 0 | 23 7 | 7 14 | 7 57 | 6 1 | T 12 |
| W13 | 10 41 | 20 7 | 2 25 | 9 25 | 0 42 | 19 17 | 0 33 | 17 16 | 0 18 | 20 9 | 0 31 | 1 53 | 2 42 | 6 31 | 0 44 | 5 32 | 1 49 | 2 2 | 14 54 | 23 1 | 23 7 | 7 17 | 7 58 | 6 0 | W13 |
| T 14 | 11 2 | 17 7 | 3 21 | 10 7 | 0 35 | 19 38 | 0 36 | 17 29 | 0 19 | 20 11 | 0 31 | 1 54 | 2 42 | 6 29 | 0 44 | 5 32 | 1 49 | 2 2 | 14 54 | 23 1 | 23 7 | 7 19 | 7 58 | 6 0 | T 14 |
| F 15 | 11 24 | 13 26 | 4 7 | 10 48 | 0 28 | 19 58 | 0 38 | 17 41 | 0 19 | 20 14 | 0 30 | 1 55 | 2 42 | 6 28 | 0 44 | 5 31 | 1 49 | 2 2 | 14 54 | 23 0 | 23 6 | 7 22 | 7 59 | 6 0 | F 15 |
| S 16 | 11 45 | 9 16 | 4 40 | 11 29 | 0 22 | 20 18 | 0 41 | 17 54 | 0 20 | 20 17 | 0 30 | 1 57 | 2 41 | 6 27 | 0 45 | 5 30 | 1 49 | 2 1 | 14 54 | 23 0 | 23 6 | 7 24 | 7 59 | 5 59 | S 16 |
| S 17 | 12 6 | 4 48 | 5 1 | 12 9 | 0 15 | 20 37 | 0 44 | 18 6 | 0 20 | 20 19 | 0 30 | 1 58 | 2 41 | 6 26 | 0 45 | 5 30 | 1 49 | 2 1 | 14 54 | 23 0 | 23 6 | 7 27 | 8 0 | 5 59 | S 17 |
| M18 | 12 27 | 0 12 | 5 8 | 12 48 | 0 8 | 20 56 | 0 47 | 18 18 | 0 21 | 20 22 | 0 30 | 2 0 | 2 41 | 6 25 | 0 45 | 5 29 | 1 49 | 2 1 | 14 54 | 22 59 | 23 6 | 7 29 | 8 0 | 5 59 | M18 |
| T 19 | 12 47 | 4s23 | 5 2 | 13 27 | 0 2 | 21 14 | 0 49 | 18 30 | 0 22 | 20 24 | 0 30 | 2 1 | 2 41 | 6 24 | 0 45 | 5 29 | 1 49 | 2 0 | 14 54 | 22 58 | 23 5 | 7 31 | 8 1 | 5 58 | T 19 |
| W20 | 13 8 | 8 49 | 4 43 | 14 5 | 0s 5 | 21 32 | 0 52 | 18 42 | 0 22 | 20 27 | 0 30 | 2 2 | 2 41 | 6 23 | 0 45 | 5 28 | 1 49 | 2 0 | 14 55 | 22 58 | 23 5 | 7 34 | 8 2 | 5 58 | W20 |
| T 21 | 13 28 | 12 55 | 4 11 | 14 42 | 0 12 | 21 49 | 0 54 | 18 54 | 0 23 | 20 29 | 0 30 | 2 3 | 2 41 | 6 22 | 0 45 | 5 27 | 1 49 | 2 0 | 14 55 | 22 57 | 23 5 | 7 36 | 8 2 | 5 57 | T 21 |
| F 22 | 13 48 | 16 33 | 3 29 | 15 19 | 0 18 | 22 6 | 0 57 | 19 5 | 0 23 | 20 32 | 0 30 | 2 5 | 2 41 | 6 21 | 0 45 | 5 27 | 1 49 | 1 59 | 14 55 | 22 56 | 23 5 | 7 39 | 8 3 | 5 57 | F 22 |
| S 23 | 14 8 | 19 31 | 2 37 | 15 55 | 0 25 | 22 21 | 1 0 | 19 17 | 0 24 | 20 34 | 0 29 | 2 6 | 2 40 | 6 20 | 0 45 | 5 26 | 1 49 | 1 59 | 14 55 | 22 56 | 23 4 | 7 41 | 8 3 | 5 57 | S 23 |
| S 24 | 14 27 | 21 39 | 1 36 | 16 30 | 0 31 | 22 37 | 1 2 | 19 28 | 0 25 | 20 37 | 0 29 | 2 7 | 2 40 | 6 19 | 0 45 | 5 26 | 1 49 | 1 59 | 14 55 | 22 55 | 23 4 | 7 43 | 8 3 | 5 56 | S 24 |
| M25 | 14 46 | 22 46 | 0 31 | 17 4 | 0 38 | 22 51 | 1 5 | 19 39 | 0 25 | 20 39 | 0 29 | 2 8 | 2 40 | 6 18 | 0 45 | 5 25 | 1 49 | 1 58 | 14 55 | 22 55 | 23 4 | 7 46 | 8 4 | 5 56 | M25 |
| T 26 | 15 5 | 22 47 | 0n37 | 17 37 | 0 44 | 23 5 | 1 7 | 19 50 | 0 26 | 20 42 | 0 29 | 2 9 | 2 40 | 6 17 | 0 45 | 5 24 | 1 49 | 1 58 | 14 55 | 22 55 | 23 4 | 7 48 | 8 4 | 5 55 | T 26 |
| W27 | 15 24 | 21 36 | 1 44 | 18 10 | 0 51 | 23 18 | 1 9 | 20 1 | 0 26 | 20 44 | 0 29 | 2 10 | 2 40 | 6 16 | 0 45 | 5 24 | 1 49 | 1 58 | 14 55 | 22 55 | 23 3 | 7 51 | 8 5 | 5 55 | W27 |
| T 28 | 15 43 | 19 17 | 2 48 | 18 42 | 0 57 | 23 31 | 1 12 | 20 11 | 0 27 | 20 47 | 0 29 | 2 11 | 2 40 | 6 15 | 0 45 | 5 23 | 1 49 | 1 57 | 14 55 | 22 55 | 23 3 | 7 53 | 8 5 | 5 55 | T 28 |
| F 29 | 16 1 | 15 55 | 3 44 | 19 12 | 1 3 | 23 43 | 1 14 | 20 22 | 0 27 | 20 49 | 0 29 | 2 12 | 2 39 | 6 14 | 0 45 | 5 23 | 1 49 | 1 57 | 14 55 | 22 56 | 23 3 | 7 55 | 8 5 | 5 54 | F 29 |
| S 30 | 16 19 | 11 38 | 4 29 | 19 42 | 1 9 | 23 54 | 1 17 | 20 32 | 0 28 | 20 51 | 0 29 | 2 13 | 2 39 | 6 13 | 0 45 | 5 22 | 1 49 | 1 57 | 14 55 | 22 56 | 23 3 | 7 58 | 8 6 | 5 54 | S 30 |
| S 31 | 16s37 | 6s38 | 4n59 | 20s11 | 1s15 | 24s 4 | 1s19 | 20s42 | 0s29 | 20s54 | 0n28 | 2s14 | 2s39 | 6n12 | 0n45 | 5n22 | 1s48 | 1n57 | 14s54 | 22s56 | 23s 2 | 8s 0 | 8s 6 | 5n53 | S 31 |

Julian Day Number = 2224645.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'28, Lahiri = 15°11'28 Julian Calendar 1 Oct. 1378 == Greg. Calendar 9 Oct. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## NOVEMBER 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 12 35 | 16♏46'18 | 14♓53 | 26♏ 8 | 17♐ 6 | 0♐48 | 6♐ 8 | 0°R27 | 16♍ 6 | 17°R51 | 14°R23 | 17°R25 | 18♐40 | 9♎ 5 | 23♒43 | M 1 |
| T 2 | 3 16 31 | 17°46'53 | 29°30 | 27°40 | 18°19 | 1°32 | 6°21 | 0♈25 | 16° 9 | 17♈49 | 14♉22 | 17♐21 | 18°37 | 9°12 | 23°43 | T 2 |
| W 3 | 3 20 28 | 18°47'29 | 14♈22 | 29°12 | 19°33 | 2°16 | 6°34 | 0°22 | 16°11 | 17°48 | 14°21 | 17°17 | 18°34 | 9°19 | 23°43 | W 3 |
| T 4 | 3 24 24 | 19°48'06 | 29°21 | 0♐44 | 20°47 | 3° 0 | 6°48 | 0°20 | 16°13 | 17°47 | 14°20 | 17°13 | 18°31 | 9°25 | 23°44 | T 4 |
| F 5 | 3 28 21 | 20°48'45 | 14♉18 | 2°15 | 22° 1 | 3°45 | 7° 1 | 0°18 | 16°15 | 17°45 | 14°18 | 17°10 | 18°27 | 9°32 | 23°44 | F 5 |
| S 6 | 3 32 17 | 21°49'26 | 29° 5 | 3°46 | 23°15 | 4°29 | 7°14 | 0°16 | 16°17 | 17°44 | 14°17 | 17° 7 | 18°24 | 9°39 | 23°45 | S 6 |
| S 7 | 3 36 14 | 22°50'07 | 13♊34 | 5°17 | 24°29 | 5°13 | 7°28 | 0°14 | 16°19 | 17°43 | 14°16 | 17°D 6 | 18°21 | 9°46 | 23°46 | S 7 |
| M 8 | 3 40 10 | 23°50'51 | 27°40 | 6°48 | 25°42 | 5°57 | 7°41 | 0°12 | 16°21 | 17°41 | 14°15 | 17° 7 | 18°18 | 9°52 | 23°46 | M 8 |
| T 9 | 3 44 7 | 24°51'35 | 11♋20 | 8°19 | 26°56 | 6°42 | 7°54 | 0°11 | 16°23 | 17°40 | 14°14 | 17° 8 | 18°15 | 9°59 | 23°47 | T 9 |
| W10 | 3 48 4 | 25°52'22 | 24°33 | 9°49 | 28°10 | 7°26 | 8° 8 | 0° 9 | 16°25 | 17°39 | 14°13 | 17° 9 | 18°12 | 10° 6 | 23°48 | W10 |
| T 11 | 3 52 0 | 26°53'09 | 7♌23 | 11°19 | 29°24 | 8°11 | 8°21 | 0° 7 | 16°27 | 17°37 | 14°12 | 17°11 | 18° 8 | 10°12 | 23°49 | T 11 |
| F 12 | 3 55 57 | 27°53'58 | 19°52 | 12°49 | 0♍37 | 8°55 | 8°35 | 0° 6 | 16°29 | 17°36 | 14°11 | 17°12 | 18° 5 | 10°19 | 23°50 | F 12 |
| S 13 | 3 59 53 | 28°54'49 | 2♍ 5 | 14°18 | 1°51 | 9°40 | 8°48 | 0° 5 | 16°30 | 17°35 | 14°10 | 17°R12 | 18° 2 | 10°26 | 23°51 | S 13 |
| S 14 | 4 3 50 | 29°55'41 | 14° 5 | 15°47 | 3° 5 | 10°25 | 9° 2 | 0° 3 | 16°32 | 17°34 | 14° 9 | 17°11 | 17°59 | 10°33 | 23°52 | S 14 |
| M15 | 4 7 46 | 0♐56'35 | 25°59 | 17°15 | 4°18 | 11°10 | 9°15 | 0° 2 | 16°34 | 17°33 | 14° 7 | 17°10 | 17°56 | 10°39 | 23°53 | M15 |
| T 16 | 4 11 43 | 1°57'30 | 7♎50 | 18°43 | 5°32 | 11°54 | 9°29 | 0° 1 | 16°35 | 17°32 | 14° 6 | 17° 8 | 17°53 | 10°46 | 23°54 | T 16 |
| W17 | 4 15 39 | 2°58'26 | 19°42 | 20°10 | 6°45 | 12°39 | 9°43 | 0° 0 | 16°37 | 17°31 | 14° 5 | 17° 6 | 17°49 | 10°53 | 23°56 | W17 |
| T 18 | 4 19 36 | 3°59'23 | 1♏39 | 21°36 | 7°59 | 13°24 | 9°56 | 29♓59 | 16°38 | 17°30 | 14° 4 | 17° 3 | 17°46 | 10°59 | 23°57 | T 18 |
| F 19 | 4 23 33 | 5° 0'22 | 13°43 | 23° 1 | 9°13 | 14° 9 | 10°10 | 29°59 | 16°40 | 17°29 | 14° 3 | 17° 2 | 17°43 | 11° 6 | 23°58 | F 19 |
| S 20 | 4 27 29 | 6° 1'22 | 25°56 | 24°26 | 10°26 | 14°54 | 10°23 | 29°58 | 16°41 | 17°28 | 14° 2 | 17° 0 | 17°40 | 11°13 | 24° 0 | S 20 |
| S 21 | 4 31 26 | 7° 2'23 | 8♐21 | 25°49 | 11°40 | 15°39 | 10°37 | 29°58 | 16°43 | 17°27 | 14° 1 | 17° 0 | 17°37 | 11°20 | 24° 1 | S 21 |
| M22 | 4 35 22 | 8° 3'25 | 20°57 | 27°10 | 12°53 | 16°24 | 10°51 | 29°57 | 16°44 | 17°26 | 14° 0 | 16°D59 | 17°33 | 11°26 | 24° 3 | M22 |
| T 23 | 4 39 19 | 9° 4'27 | 3♑45 | 28°30 | 14° 6 | 17° 9 | 11° 4 | 29°57 | 16°45 | 17°25 | 13°59 | 17° 0 | 17°30 | 11°33 | 24° 4 | T 23 |
| W24 | 4 43 15 | 10° 5'31 | 16°47 | 29°48 | 15°20 | 17°55 | 11°18 | 29°57 | 16°46 | 17°24 | 13°58 | 17° 0 | 17°27 | 11°40 | 24° 6 | W24 |
| T 25 | 4 47 12 | 11° 6'35 | 0♒ 2 | 1♑ 3 | 16°33 | 18°40 | 11°32 | 29°D57 | 16°47 | 17°23 | 13°57 | 17° 1 | 17°24 | 11°46 | 24° 8 | T 25 |
| F 26 | 4 51 9 | 12° 7'39 | 13°30 | 2°16 | 17°46 | 19°25 | 11°45 | 29°57 | 16°48 | 17°22 | 13°56 | 17° 2 | 17°21 | 11°53 | 24° 9 | F 26 |
| S 27 | 4 55 5 | 13° 8'44 | 27°11 | 3°26 | 19° 0 | 20°11 | 11°59 | 29°57 | 16°49 | 17°21 | 13°55 | 17° 2 | 17°18 | 12° 0 | 24°11 | S 27 |
| S 28 | 4 59 2 | 14° 9'50 | 11♓ 6 | 4°31 | 20°13 | 20°56 | 12°13 | 29°58 | 16°50 | 17°21 | 13°54 | 17°R 2 | 17°14 | 12° 7 | 24°13 | S 28 |
| M29 | 5 2 58 | 15°10'55 | 25°13 | 5°33 | 21°26 | 21°41 | 12°26 | 29°58 | 16°51 | 17°20 | 13°53 | 17° 2 | 17°11 | 12°13 | 24°15 | M29 |
| T 30 | 5 6 55 | 16♐12'01 | 9♈31 | 6♑30 | 22♑39 | 22♐27 | 12♐40 | 29♓58 | 16♍52 | 17♈19 | 13♉52 | 17♐ 2 | 17♐ 8 | 12♎20 | 24♒17 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s54 | 1s10 | 5n13 | 20s39 | 1s20 | 24s14 | 1s21 | 20s52 | 0s29 | 20s56 | 0n28 | 2s15 | 2s39 | 6n11 | 0n45 | 5n21 | 1s48 | 1n56 | 14s54 | 22s55 | 23s 2 | 8s 3 | 8s 6 | 5n53 |
| T 2 | 17 11 | 4n29 | 5 6 | 21 6 | 1 26 | 24 23 | 1 23 | 21 1 | 0 30 | 20 59 | 0 28 | 2 15 | 2 39 | 6 11 | 0 45 | 5 21 | 1 48 | 1 56 | 14 54 | 22 55 | 23 2 | 8 5 | 8 7 | 5 53 |
| W 3 | 17 28 | 9 58 | 4 39 | 21 32 | 1 31 | 24 32 | 1 26 | 21 11 | 0 30 | 21 1 | 0 28 | 2 16 | 2 38 | 6 10 | 0 45 | 5 20 | 1 48 | 1 56 | 14 54 | 22 55 | 23 2 | 8 7 | 8 7 | 5 52 |
| T 4 | 17 45 | 14 54 | 3 53 | 21 57 | 1 36 | 24 39 | 1 28 | 21 20 | 0 31 | 21 3 | 0 28 | 2 17 | 2 38 | 6 9 | 0 45 | 5 20 | 1 48 | 1 56 | 14 54 | 22 54 | 23 1 | 8 10 | 8 7 | 5 52 |
| F 5 | 18 1 | 18 54 | 2 50 | 22 20 | 1 41 | 24 46 | 1 30 | 21 29 | 0 31 | 21 6 | 0 28 | 2 18 | 2 38 | 6 8 | 0 45 | 5 19 | 1 48 | 1 55 | 14 54 | 22 54 | 23 1 | 8 12 | 8 7 | 5 51 |
| S 6 | 18 17 | 21 36 | 1 37 | 22 43 | 1 46 | 24 52 | 1 32 | 21 38 | 0 32 | 21 8 | 0 28 | 2 18 | 2 38 | 6 7 | 0 45 | 5 19 | 1 48 | 1 55 | 14 54 | 22 54 | 23 1 | 8 14 | 8 7 | 5 51 |
| S 7 | 18 33 | 22 50 | 0 19 | 23 4 | 1 51 | 24 58 | 1 34 | 21 46 | 0 32 | 21 10 | 0 28 | 2 19 | 2 37 | 6 7 | 0 45 | 5 18 | 1 48 | 1 55 | 14 54 | 22 54 | 23 0 | 8 17 | 8 8 | 5 51 |
| M 8 | 18 48 | 22 32 | 0s58 | 23 25 | 1 55 | 25 2 | 1 36 | 21 55 | 0 33 | 21 13 | 0 28 | 2 19 | 2 37 | 6 6 | 0 45 | 5 18 | 1 48 | 1 55 | 14 54 | 22 54 | 23 0 | 8 19 | 8 8 | 5 50 |
| T 9 | 19 3 | 20 53 | 2 10 | 23 44 | 1 59 | 25 6 | 1 37 | 22 3 | 0 34 | 21 15 | 0 27 | 2 20 | 2 37 | 6 5 | 0 45 | 5 17 | 1 48 | 1 54 | 14 54 | 22 54 | 23 0 | 8 22 | 8 8 | 5 50 |
| W10 | 19 17 | 18 8 | 3 12 | 24 2 | 2 3 | 25 10 | 1 39 | 22 11 | 0 34 | 21 17 | 0 27 | 2 20 | 2 37 | 6 4 | 0 45 | 5 17 | 1 48 | 1 54 | 14 54 | 22 54 | 23 0 | 8 24 | 8 8 | 5 49 |
| T 11 | 19 32 | 14 34 | 4 3 | 24 18 | 2 7 | 25 12 | 1 41 | 22 19 | 0 35 | 21 19 | 0 27 | 2 21 | 2 37 | 6 4 | 0 45 | 5 16 | 1 48 | 1 54 | 14 54 | 22 54 | 22 59 | 8 26 | 8 8 | 5 49 |
| F 12 | 19 45 | 10 28 | 4 41 | 24 33 | 2 10 | 25 14 | 1 43 | 22 26 | 0 35 | 21 22 | 0 27 | 2 21 | 2 36 | 6 3 | 0 45 | 5 16 | 1 48 | 1 54 | 14 54 | 22 54 | 22 59 | 8 29 | 8 8 | 5 49 |
| S 13 | 19 59 | 6 1 | 5 5 | 24 47 | 2 13 | 25 15 | 1 44 | 22 34 | 0 36 | 21 24 | 0 27 | 2 21 | 2 36 | 6 2 | 0 45 | 5 16 | 1 48 | 1 54 | 14 54 | 22 54 | 22 59 | 8 31 | 8 8 | 5 48 |
| S 14 | 20 12 | 1 26 | 5 15 | 25 0 | 2 15 | 25 15 | 1 46 | 22 41 | 0 36 | 21 26 | 0 27 | 2 22 | 2 36 | 6 2 | 0 46 | 5 15 | 1 48 | 1 53 | 14 53 | 22 54 | 22 58 | 8 33 | 8 8 | 5 48 |
| M15 | 20 25 | 3s10 | 5 12 | 25 11 | 2 17 | 25 14 | 1 47 | 22 48 | 0 37 | 21 28 | 0 27 | 2 22 | 2 36 | 6 1 | 0 46 | 5 15 | 1 48 | 1 53 | 14 53 | 22 54 | 22 58 | 8 36 | 8 8 | 5 47 |
| T 16 | 20 37 | 7 38 | 4 55 | 25 21 | 2 19 | 25 13 | 1 49 | 22 55 | 0 37 | 21 30 | 0 27 | 2 22 | 2 35 | 6 1 | 0 46 | 5 14 | 1 48 | 1 53 | 14 53 | 22 54 | 22 58 | 8 38 | 8 8 | 5 47 |
| W17 | 20 49 | 11 50 | 4 26 | 25 29 | 2 20 | 25 11 | 1 50 | 23 1 | 0 38 | 21 32 | 0 27 | 2 22 | 2 35 | 6 0 | 0 46 | 5 14 | 1 48 | 1 53 | 14 53 | 22 53 | 22 58 | 8 40 | 8 8 | 5 47 |
| T 18 | 21 1 | 15 36 | 3 45 | 25 36 | 2 21 | 25 8 | 1 51 | 23 7 | 0 38 | 21 35 | 0 27 | 2 22 | 2 35 | 6 0 | 0 46 | 5 14 | 1 48 | 1 53 | 14 53 | 22 53 | 22 57 | 8 43 | 8 8 | 5 46 |
| F 19 | 21 12 | 18 46 | 2 54 | 25 42 | 2 22 | 25 4 | 1 52 | 23 13 | 0 39 | 21 37 | 0 27 | 2 22 | 2 35 | 5 59 | 0 46 | 5 13 | 1 48 | 1 52 | 14 53 | 22 53 | 22 57 | 8 45 | 8 8 | 5 46 |
| S 20 | 21 23 | 21 9 | 1 54 | 25 45 | 2 22 | 25 0 | 1 54 | 23 19 | 0 39 | 21 39 | 0 26 | 2 22 | 2 34 | 5 59 | 0 46 | 5 13 | 1 48 | 1 52 | 14 53 | 22 53 | 22 57 | 8 47 | 8 8 | 5 45 |
| S 21 | 21 33 | 22 33 | 0 48 | 25 48 | 2 21 | 24 54 | 1 55 | 23 24 | 0 40 | 21 41 | 0 26 | 2 22 | 2 34 | 5 58 | 0 46 | 5 13 | 1 48 | 1 52 | 14 53 | 22 53 | 22 56 | 8 50 | 8 8 | 5 45 |
| M22 | 21 43 | 22 51 | 0n22 | 25 49 | 2 19 | 24 49 | 1 56 | 23 30 | 0 40 | 21 43 | 0 26 | 2 22 | 2 34 | 5 58 | 0 46 | 5 12 | 1 48 | 1 52 | 14 52 | 22 53 | 22 56 | 8 52 | 8 8 | 5 45 |
| T 23 | 21 53 | 21 56 | 1 32 | 25 48 | 2 17 | 24 42 | 1 56 | 23 35 | 0 41 | 21 45 | 0 26 | 2 22 | 2 34 | 5 57 | 0 46 | 5 12 | 1 48 | 1 52 | 14 52 | 22 53 | 22 56 | 8 54 | 8 7 | 5 44 |
| W24 | 22 2 | 19 51 | 2 38 | 25 46 | 2 15 | 24 35 | 1 57 | 23 39 | 0 41 | 21 47 | 0 26 | 2 22 | 2 33 | 5 57 | 0 46 | 5 12 | 1 48 | 1 52 | 14 52 | 22 53 | 22 55 | 8 57 | 8 7 | 5 44 |
| T 25 | 22 11 | 16 41 | 3 37 | 25 42 | 2 11 | 24 26 | 1 58 | 23 44 | 0 42 | 21 49 | 0 26 | 2 22 | 2 33 | 5 56 | 0 46 | 5 12 | 1 48 | 1 52 | 14 52 | 22 53 | 22 55 | 8 59 | 8 7 | 5 44 |
| F 26 | 22 19 | 12 36 | 4 25 | 25 37 | 2 7 | 24 18 | 1 59 | 23 48 | 0 42 | 21 51 | 0 26 | 2 21 | 2 33 | 5 56 | 0 46 | 5 11 | 1 47 | 1 52 | 14 52 | 22 53 | 22 55 | 9 1 | 8 7 | 5 43 |
| S 27 | 22 27 | 7 49 | 4 59 | 25 30 | 2 2 | 24 8 | 1 59 | 23 52 | 0 43 | 21 53 | 0 26 | 2 21 | 2 33 | 5 56 | 0 46 | 5 11 | 1 47 | 1 51 | 14 52 | 22 53 | 22 55 | 9 3 | 8 7 | 5 43 |
| S 28 | 22 35 | 2 33 | 5 16 | 25 22 | 1 56 | 23 58 | 2 0 | 23 56 | 0 43 | 21 54 | 0 26 | 2 21 | 2 32 | 5 55 | 0 46 | 5 11 | 1 47 | 1 51 | 14 51 | 22 53 | 22 54 | 9 6 | 8 6 | 5 42 |
| M29 | 22 42 | 2n54 | 5 14 | 25 13 | 1 48 | 23 47 | 2 0 | 23 59 | 0 44 | 21 56 | 0 26 | 2 20 | 2 32 | 5 55 | 0 46 | 5 11 | 1 47 | 1 51 | 14 51 | 22 53 | 22 54 | 9 8 | 8 6 | 5 42 |
| T 30 | 22s48 | 8n17 | 4n53 | 25s 2 | 1s40 | 23s35 | 2s 0 | 24s 2 | 0s44 | 21s58 | 0n26 | 2s20 | 2s32 | 5n55 | 0n46 | 5n10 | 1s47 | 1n51 | 14s51 | 22s53 | 22s54 | 9s10 | 8s 6 | 5n42 |

Julian Day Number = 2224676.5, Delta T = 08m26s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'32, Lahiri = 15°11'33 Julian Calendar 1 Nov. 1378 == Greg. Calendar 9 Nov. 1378


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# ASTRODIENST EPHEMERIS for the year 1378
# geocentric

## DECEMBER 1378 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 10 51 | 17♐13'08 | 23♈57 | 7♑21 | 23♑52 | 23♐13 | 12♐53 | 29♓59 | 16♍53 | 17°R19 | 13°R51 | 17°D 2 | 17♐ 5 | 12♎27 | 24♒19 | W 1 |
| T 2 | 5 14 48 | 18°14'14 | 8♉28 | 8° 6 | 25° 5 | 23°58 | 13° 7 | 29°59 | 16°53 | 17♈18 | 13♉50 | 17♐ 2 | 17° 2 | 12°33 | 24°21 | T 2 |
| F 3 | 5 18 44 | 19°15'21 | 22°57 | 8°44 | 26°18 | 24°44 | 13°21 | 0♈ 1 | 16°54 | 17°17 | 13°50 | 17° 2 | 16°59 | 12°40 | 24°23 | F 3 |
| S 4 | 5 22 41 | 20°16'29 | 7♊20 | 9°13 | 27°31 | 25°29 | 13°34 | 0° 2 | 16°55 | 17°17 | 13°49 | 17° 2 | 16°55 | 12°47 | 24°25 | S 4 |
| S 5 | 5 26 38 | 21°17'37 | 21°31 | 9°34 | 28°44 | 26°15 | 13°48 | 0° 3 | 16°55 | 17°16 | 13°48 | 17°R 2 | 16°52 | 12°54 | 24°28 | S 5 |
| M 6 | 5 30 34 | 22°18'45 | 5♋27 | 9°R44 | 29°57 | 27° 1 | 14° 2 | 0° 4 | 16°56 | 17°16 | 13°47 | 17° 2 | 16°49 | 13° 0 | 24°30 | M 6 |
| T 7 | 5 34 31 | 23°19'54 | 19° 2 | 9°44 | 1♒10 | 27°47 | 14°15 | 0° 5 | 16°56 | 17°15 | 13°46 | 17° 2 | 16°46 | 13° 7 | 24°32 | T 7 |
| W 8 | 5 38 27 | 24°21'03 | 2♌16 | 9°33 | 2°22 | 28°33 | 14°29 | 0° 7 | 16°57 | 17°15 | 13°45 | 17° 1 | 16°43 | 13°14 | 24°35 | W 8 |
| T 9 | 5 42 24 | 25°22'13 | 15° 9 | 9°10 | 3°35 | 29°18 | 14°42 | 0° 8 | 16°57 | 17°14 | 13°44 | 17° 0 | 16°39 | 13°20 | 24°37 | T 9 |
| F 10 | 5 46 20 | 26°23'23 | 27°42 | 8°35 | 4°47 | 0♑ 4 | 14°56 | 0°10 | 16°57 | 17°14 | 13°44 | 16°59 | 16°36 | 13°27 | 24°40 | F 10 |
| S 11 | 5 50 17 | 27°24'33 | 9♍59 | 7°48 | 6° 0 | 0°50 | 15° 9 | 0°11 | 16°57 | 17°14 | 13°43 | 16°58 | 16°33 | 13°34 | 24°42 | S 11 |
| S 12 | 5 54 13 | 28°25'44 | 22° 2 | 6°51 | 7°12 | 1°36 | 15°23 | 0°13 | 16°58 | 17°13 | 13°42 | 16°57 | 16°30 | 13°41 | 24°45 | S 12 |
| M13 | 5 58 10 | 29°26'55 | 3♎57 | 5°45 | 8°25 | 2°22 | 15°36 | 0°15 | 16°58 | 17°13 | 13°41 | 16°D57 | 16°27 | 13°47 | 24°47 | M13 |
| T 14 | 6 2 7 | 0♑28'07 | 15°48 | 4°31 | 9°37 | 3° 8 | 15°50 | 0°17 | 16°R58 | 17°13 | 13°41 | 16°57 | 16°24 | 13°54 | 24°50 | T 14 |
| W15 | 6 6 3 | 1°29'19 | 27°41 | 3°13 | 10°49 | 3°55 | 16° 3 | 0°19 | 16°58 | 17°13 | 13°40 | 16°59 | 16°20 | 14° 1 | 24°53 | W15 |
| T 16 | 6 10 0 | 2°30'31 | 9♏39 | 1°51 | 12° 2 | 4°41 | 16°17 | 0°22 | 16°58 | 17°12 | 13°39 | 17° 0 | 16°17 | 14° 7 | 24°55 | T 16 |
| F 17 | 6 13 56 | 3°31'44 | 21°47 | 0°30 | 13°14 | 5°27 | 16°30 | 0°24 | 16°57 | 17°12 | 13°39 | 17° 1 | 16°14 | 14°14 | 24°58 | F 17 |
| S 18 | 6 17 53 | 4°32'56 | 4♐ 8 | 29♐12 | 14°26 | 6°13 | 16°43 | 0°26 | 16°57 | 17°12 | 13°38 | 17° 3 | 16°11 | 14°21 | 25° 1 | S 18 |
| S 19 | 6 21 49 | 5°34'09 | 16°46 | 27°59 | 15°38 | 7° 0 | 16°57 | 0°29 | 16°57 | 17°12 | 13°37 | 17°R 3 | 16° 8 | 14°27 | 25° 4 | S 19 |
| M20 | 6 25 46 | 6°35'22 | 29°40 | 26°53 | 16°50 | 7°46 | 17°10 | 0°32 | 16°57 | 17°D12 | 13°37 | 17° 3 | 16° 5 | 14°34 | 25° 7 | M20 |
| T 21 | 6 29 42 | 7°36'35 | 12♑51 | 25°55 | 18° 1 | 8°32 | 17°23 | 0°35 | 16°56 | 17°12 | 13°36 | 17° 1 | 16° 1 | 14°41 | 25°10 | T 21 |
| W22 | 6 33 39 | 8°37'47 | 26°19 | 25° 7 | 19°13 | 9°19 | 17°37 | 0°37 | 16°56 | 17°12 | 13°35 | 16°58 | 15°58 | 14°48 | 25°13 | W22 |
| T 23 | 6 37 36 | 9°38'59 | 10♒ 1 | 24°29 | 20°25 | 10° 5 | 17°50 | 0°40 | 16°55 | 17°12 | 13°35 | 16°55 | 15°55 | 14°54 | 25°16 | T 23 |
| F 24 | 6 41 32 | 10°40'11 | 23°54 | 24° 0 | 21°36 | 10°52 | 18° 3 | 0°43 | 16°55 | 17°12 | 13°34 | 16°51 | 15°52 | 15° 1 | 25°19 | F 24 |
| S 25 | 6 45 29 | 11°41'22 | 7♓56 | 23°42 | 22°48 | 11°38 | 18°16 | 0°47 | 16°54 | 17°13 | 13°34 | 16°48 | 15°49 | 15° 8 | 25°22 | S 25 |
| S 26 | 6 49 25 | 12°42'32 | 22° 3 | 23°32 | 23°59 | 12°25 | 18°29 | 0°50 | 16°54 | 17°13 | 13°33 | 16°46 | 15°45 | 15°14 | 25°25 | S 26 |
| M27 | 6 53 22 | 13°43'42 | 6♈13 | 23°D32 | 25°10 | 13°11 | 18°42 | 0°53 | 16°53 | 17°13 | 13°33 | 16°44 | 15°42 | 15°21 | 25°28 | M27 |
| T 28 | 6 57 18 | 14°44'51 | 20°23 | 23°40 | 26°21 | 13°58 | 18°55 | 0°57 | 16°52 | 17°13 | 13°32 | 16°D44 | 15°39 | 15°28 | 25°32 | T 28 |
| W29 | 7 1 15 | 15°45'59 | 4♉31 | 23°56 | 27°32 | 14°44 | 19° 8 | 1° 0 | 16°52 | 17°13 | 13°32 | 16°45 | 15°36 | 15°35 | 25°35 | W29 |
| T 30 | 7 5 11 | 16°47'06 | 18°36 | 24°18 | 28°43 | 15°31 | 19°21 | 1° 4 | 16°51 | 17°14 | 13°31 | 16°47 | 15°33 | 15°41 | 25°38 | T 30 |
| F 31 | 7 9 8 | 17♑48'13 | 2♊37 | 24♐47 | 29♒54 | 16♑18 | 19♐34 | 1♈ 8 | 16♍50 | 17♈14 | 13♉31 | 16♐48 | 15♐30 | 15♎48 | 25♒42 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s54 | 13n15 | 4n14 | 24s50 | 1s31 | 23s23 | 2s 1 | 24s 5 | 0s45 | 22s 0 | 0n25 | 2s19 | 2s32 | 5n54 | 0n46 | 5n10 | 1s47 | 1n51 | 14s51 | 22s53 | 22s53 | 9s13 | 8s 5 | 5n41 |
| T 2 | 23 0 | 17 30 | 3 18 | 24 37 | 1 20 | 23 10 | 2 1 | 24 8 | 0 45 | 22 2 | 0 25 | 2 19 | 2 31 | 5 54 | 0 46 | 5 10 | 1 47 | 1 51 | 14 51 | 22 53 | 22 53 | 9 15 | 8 5 | 5 41 |
| F 3 | 23 5 | 20 40 | 2 10 | 24 22 | 1 9 | 22 56 | 2 1 | 24 11 | 0 46 | 22 4 | 0 25 | 2 18 | 2 31 | 5 54 | 0 46 | 5 10 | 1 47 | 1 51 | 14 50 | 22 53 | 22 53 | 9 17 | 8 5 | 5 41 |
| S 4 | 23 10 | 22 29 | 0 54 | 24 7 | 0 56 | 22 42 | 2 1 | 24 13 | 0 46 | 22 5 | 0 25 | 2 18 | 2 31 | 5 54 | 0 46 | 5 10 | 1 47 | 1 51 | 14 50 | 22 53 | 22 52 | 9 20 | 8 4 | 5 40 |
| S 5 | 23 14 | 22 50 | 0s25 | 23 52 | 0 41 | 22 27 | 2 1 | 24 15 | 0 47 | 22 7 | 0 25 | 2 17 | 2 31 | 5 54 | 0 46 | 5 9 | 1 47 | 1 51 | 14 50 | 22 53 | 22 52 | 9 22 | 8 4 | 5 40 |
| M 6 | 23 18 | 21 44 | 1 40 | 23 35 | 0 26 | 22 11 | 2 0 | 24 16 | 0 47 | 22 9 | 0 25 | 2 16 | 2 30 | 5 53 | 0 46 | 5 9 | 1 47 | 1 51 | 14 50 | 22 53 | 22 52 | 9 24 | 8 3 | 5 40 |
| T 7 | 23 21 | 19 23 | 2 48 | 23 19 | 0 9 | 21 55 | 2 0 | 24 18 | 0 48 | 22 10 | 0 25 | 2 16 | 2 30 | 5 53 | 0 46 | 5 9 | 1 47 | 1 51 | 14 50 | 22 53 | 22 52 | 9 26 | 8 3 | 5 39 |
| W 8 | 23 24 | 16 3 | 3 45 | 23 2 | 0n 9 | 21 38 | 2 0 | 24 19 | 0 48 | 22 12 | 0 25 | 2 15 | 2 30 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 49 | 22 53 | 22 51 | 9 29 | 8 3 | 5 39 |
| T 9 | 23 26 | 12 3 | 4 29 | 22 45 | 0 27 | 21 21 | 1 59 | 24 20 | 0 48 | 22 14 | 0 25 | 2 14 | 2 30 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 49 | 22 53 | 22 51 | 9 31 | 8 2 | 5 39 |
| F 10 | 23 28 | 7 38 | 4 59 | 22 28 | 0 47 | 21 3 | 1 59 | 24 20 | 0 49 | 22 15 | 0 25 | 2 13 | 2 29 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 49 | 22 53 | 22 51 | 9 33 | 8 2 | 5 38 |
| S 11 | 23 30 | 3 0 | 5 14 | 22 11 | 1 7 | 20 44 | 1 58 | 24 20 | 0 49 | 22 17 | 0 25 | 2 12 | 2 29 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 49 | 22 53 | 22 50 | 9 35 | 8 1 | 5 38 |
| S 12 | 23 31 | 1s40 | 5 16 | 21 54 | 1 26 | 20 25 | 1 57 | 24 20 | 0 50 | 22 18 | 0 25 | 2 11 | 2 29 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 48 | 22 53 | 22 50 | 9 38 | 8 1 | 5 38 |
| M13 | 23 31 | 6 12 | 5 3 | 21 38 | 1 46 | 20 5 | 1 56 | 24 20 | 0 50 | 22 20 | 0 25 | 2 10 | 2 29 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 48 | 22 53 | 22 50 | 9 40 | 8 0 | 5 37 |
| T 14 | 23 31 | 10 30 | 4 38 | 21 23 | 2 4 | 19 45 | 1 55 | 24 20 | 0 51 | 22 21 | 0 24 | 2 9 | 2 28 | 5 53 | 0 47 | 5 9 | 1 47 | 1 51 | 14 48 | 22 53 | 22 49 | 9 42 | 7 59 | 5 37 |
| W15 | 23 31 | 14 25 | 4 0 | 21 8 | 2 21 | 19 24 | 1 54 | 24 19 | 0 51 | 22 23 | 0 24 | 2 8 | 2 28 | 5 53 | 0 47 | 5 9 | 1 46 | 1 51 | 14 48 | 22 53 | 22 49 | 9 44 | 7 59 | 5 37 |
| T 16 | 23 30 | 17 47 | 3 12 | 20 54 | 2 36 | 19 3 | 1 53 | 24 18 | 0 51 | 22 24 | 0 24 | 2 7 | 2 28 | 5 53 | 0 47 | 5 9 | 1 46 | 1 51 | 14 47 | 22 53 | 22 49 | 9 47 | 7 58 | 5 36 |
| F 17 | 23 28 | 20 27 | 2 15 | 20 42 | 2 49 | 18 41 | 1 52 | 24 16 | 0 52 | 22 26 | 0 24 | 2 6 | 2 28 | 5 53 | 0 47 | 5 9 | 1 46 | 1 51 | 14 47 | 22 53 | 22 48 | 9 49 | 7 58 | 5 36 |
| S 18 | 23 26 | 22 12 | 1 11 | 20 31 | 3 0 | 18 19 | 1 50 | 24 15 | 0 52 | 22 27 | 0 24 | 2 5 | 2 27 | 5 53 | 0 47 | 5 9 | 1 46 | 1 51 | 14 47 | 22 53 | 22 48 | 9 51 | 7 57 | 5 36 |
| S 19 | 23 24 | 22 53 | 0 2 | 20 23 | 3 8 | 17 56 | 1 49 | 24 13 | 0 53 | 22 29 | 0 24 | 2 3 | 2 27 | 5 53 | 0 47 | 5 9 | 1 46 | 1 51 | 14 47 | 22 53 | 22 48 | 9 53 | 7 56 | 5 35 |
| M20 | 23 21 | 22 22 | 1n 9 | 20 16 | 3 13 | 17 33 | 1 47 | 24 10 | 0 53 | 22 30 | 0 24 | 2 2 | 2 27 | 5 54 | 0 47 | 5 9 | 1 46 | 1 51 | 14 46 | 22 53 | 22 47 | 9 56 | 7 56 | 5 35 |
| T 21 | 23 18 | 20 37 | 2 18 | 20 11 | 3 16 | 17 9 | 1 45 | 24 8 | 0 53 | 22 31 | 0 24 | 2 1 | 2 27 | 5 54 | 0 47 | 5 9 | 1 46 | 1 51 | 14 46 | 22 53 | 22 47 | 9 58 | 7 55 | 5 35 |
| W22 | 23 14 | 17 41 | 3 20 | 20 8 | 3 17 | 16 45 | 1 44 | 24 5 | 0 54 | 22 33 | 0 24 | 1 59 | 2 26 | 5 54 | 0 47 | 5 9 | 1 46 | 1 52 | 14 46 | 22 53 | 22 47 | 10 0 | 7 54 | 5 35 |
| T 23 | 23 10 | 13 45 | 4 11 | 20 8 | 3 16 | 16 20 | 1 42 | 24 2 | 0 54 | 22 34 | 0 24 | 1 58 | 2 26 | 5 54 | 0 47 | 5 9 | 1 46 | 1 52 | 14 45 | 22 52 | 22 46 | 10 2 | 7 53 | 5 34 |
| F 24 | 23 5 | 9 3 | 4 49 | 20 10 | 3 14 | 15 55 | 1 40 | 23 59 | 0 55 | 22 35 | 0 24 | 1 56 | 2 26 | 5 54 | 0 47 | 5 9 | 1 46 | 1 52 | 14 45 | 22 52 | 22 46 | 10 5 | 7 53 | 5 34 |
| S 25 | 23 0 | 3 49 | 5 10 | 20 13 | 3 9 | 15 30 | 1 38 | 23 55 | 0 55 | 22 36 | 0 24 | 1 55 | 2 26 | 5 55 | 0 47 | 5 9 | 1 46 | 1 52 | 14 45 | 22 52 | 22 46 | 10 7 | 7 52 | 5 34 |
| S 26 | 22 55 | 1n37 | 5 13 | 20 18 | 3 4 | 15 4 | 1 35 | 23 51 | 0 55 | 22 38 | 0 24 | 1 53 | 2 25 | 5 55 | 0 47 | 5 9 | 1 46 | 1 52 | 14 45 | 22 51 | 22 45 | 10 9 | 7 51 | 5 34 |
| M27 | 22 49 | 7 0 | 4 56 | 20 25 | 2 57 | 14 38 | 1 33 | 23 47 | 0 56 | 22 39 | 0 24 | 1 52 | 2 25 | 5 55 | 0 47 | 5 9 | 1 46 | 1 52 | 14 44 | 22 51 | 22 45 | 10 11 | 7 50 | 5 33 |
| T 28 | 22 42 | 12 1 | 4 22 | 20 32 | 2 50 | 14 12 | 1 31 | 23 43 | 0 56 | 22 40 | 0 23 | 1 50 | 2 25 | 5 56 | 0 47 | 5 9 | 1 46 | 1 52 | 14 44 | 22 51 | 22 45 | 10 13 | 7 49 | 5 33 |
| W29 | 22 35 | 16 23 | 3 31 | 20 41 | 2 42 | 13 45 | 1 28 | 23 38 | 0 56 | 22 41 | 0 23 | 1 49 | 2 25 | 5 56 | 0 47 | 5 10 | 1 46 | 1 52 | 14 44 | 22 51 | 22 44 | 10 16 | 7 49 | 5 33 |
| T 30 | 22 28 | 19 48 | 2 28 | 20 51 | 2 33 | 13 18 | 1 26 | 23 33 | 0 57 | 22 42 | 0 23 | 1 47 | 2 24 | 5 56 | 0 47 | 5 10 | 1 46 | 1 53 | 14 43 | 22 52 | 22 44 | 10 18 | 7 48 | 5 32 |
| F 31 | 22s20 | 22n 1 | 1n17 | 21s 1 | 2n24 | 12s50 | 1s23 | 23s28 | 0s57 | 22s43 | 0n23 | 1s45 | 2s24 | 5n57 | 0n48 | 5n10 | 1s46 | 1n53 | 14s43 | 22s52 | 22s44 | 10s20 | 7s47 | 5n32 |

Julian Day Number = 2224706.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'36, Lahiri = 15°11'37 Julian Calendar 1 Dec. 1378 == Greg. Calendar 9 Dec. 1378


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## JANUARY 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 13 5 | 18♉49'18 | 16♊30 | 25♐22 | 1♓ 5 | 17♉ 5 | 19♐47 | 1♈12 | 16°R49 | 17♈15 | 13°R30 | 16°R49 | 15♐26 | 15♎55 | 25♒45 | S 1 |
| S 2 | 7 17 1 | 19°50'23 | 0♋14 | 26° 2 | 2°15 | 17°51 | 20° 0 | 1°15 | 16♍48 | 17°15 | 13♉30 | 16♐48 | 15°23 | 16° 1 | 25°48 | S 2 |
| M 3 | 7 20 58 | 20°51'28 | 13°47 | 26°47 | 3°26 | 18°38 | 20°12 | 1°19 | 16°47 | 17°15 | 13°30 | 16°46 | 15°20 | 16° 8 | 25°52 | M 3 |
| T 4 | 7 24 54 | 21°52'31 | 27° 6 | 27°36 | 4°36 | 19°25 | 20°25 | 1°24 | 16°46 | 17°16 | 13°29 | 16°41 | 15°17 | 16°15 | 25°55 | T 4 |
| W 5 | 7 28 51 | 22°53'34 | 10♌ 9 | 28°29 | 5°46 | 20°12 | 20°38 | 1°28 | 16°45 | 17°16 | 13°29 | 16°35 | 15°14 | 16°21 | 25°59 | W 5 |
| T 6 | 7 32 47 | 23°54'36 | 22°57 | 29°25 | 6°56 | 20°58 | 20°50 | 1°32 | 16°43 | 17°17 | 13°29 | 16°29 | 15°11 | 16°28 | 26° 2 | T 6 |
| F 7 | 7 36 44 | 24°55'37 | 5♍28 | 0♉24 | 8° 6 | 21°45 | 21° 3 | 1°36 | 16°42 | 17°18 | 13°29 | 16°22 | 15° 7 | 16°35 | 26° 6 | F 7 |
| S 8 | 7 40 40 | 25°56'38 | 17°44 | 1°26 | 9°15 | 22°32 | 21°15 | 1°41 | 16°41 | 17°18 | 13°28 | 16°15 | 15° 4 | 16°42 | 26° 9 | S 8 |
| S 9 | 7 44 37 | 26°57'38 | 29°48 | 2°31 | 10°25 | 23°19 | 21°28 | 1°45 | 16°39 | 17°19 | 13°28 | 16°10 | 15° 1 | 16°48 | 26°13 | S 9 |
| M10 | 7 48 34 | 27°58'37 | 11♎44 | 3°38 | 11°34 | 24° 6 | 21°40 | 1°50 | 16°38 | 17°20 | 13°28 | 16° 6 | 14°58 | 16°55 | 26°16 | M10 |
| T 11 | 7 52 30 | 28°59'36 | 23°35 | 4°48 | 12°44 | 24°53 | 21°52 | 1°55 | 16°37 | 17°20 | 13°28 | 16° 5 | 14°55 | 17° 2 | 26°20 | T 11 |
| W12 | 7 56 27 | 0♒ 0'34 | 5♏26 | 5°59 | 13°53 | 25°40 | 22° 4 | 2° 0 | 16°35 | 17°21 | 13°27 | 16°D 5 | 14°51 | 17° 8 | 26°24 | W12 |
| T 13 | 8 0 23 | 1° 1'31 | 17°23 | 7°12 | 15° 2 | 26°27 | 22°16 | 2° 4 | 16°34 | 17°22 | 13°27 | 16° 6 | 14°48 | 17°15 | 26°27 | T 13 |
| F 14 | 8 4 20 | 2° 2'27 | 29°31 | 8°27 | 16°10 | 27°14 | 22°29 | 2° 9 | 16°32 | 17°23 | 13°27 | 16° 7 | 14°45 | 17°22 | 26°31 | F 14 |
| S 15 | 8 8 16 | 3° 3'23 | 11♐55 | 9°43 | 17°19 | 28° 1 | 22°41 | 2°14 | 16°30 | 17°24 | 13°27 | 16°R 8 | 14°42 | 17°28 | 26°35 | S 15 |
| S 16 | 8 12 13 | 4° 4'18 | 24°38 | 11° 1 | 18°27 | 28°48 | 22°52 | 2°20 | 16°29 | 17°24 | 13°27 | 16° 8 | 14°39 | 17°35 | 26°39 | S 16 |
| M17 | 8 16 10 | 5° 5'12 | 7♑44 | 12°20 | 19°36 | 29°35 | 23° 4 | 2°25 | 16°27 | 17°25 | 13°27 | 16° 6 | 14°36 | 17°42 | 26°42 | M17 |
| T 18 | 8 20 6 | 6° 6'04 | 21°13 | 13°40 | 20°44 | 0♒22 | 23°16 | 2°30 | 16°25 | 17°26 | 13°27 | 16° 1 | 14°32 | 17°49 | 26°46 | T 18 |
| W19 | 8 24 3 | 7° 6'56 | 5♒ 4 | 15° 2 | 21°51 | 1°10 | 23°28 | 2°35 | 16°23 | 17°27 | 13°D27 | 15°54 | 14°29 | 17°55 | 26°50 | W19 |
| T 20 | 8 27 59 | 8° 7'46 | 19°14 | 16°25 | 22°59 | 1°57 | 23°40 | 2°41 | 16°22 | 17°28 | 13°27 | 15°46 | 14°26 | 18° 2 | 26°54 | T 20 |
| F 21 | 8 31 56 | 9° 8'35 | 3♓37 | 17°49 | 24° 6 | 2°44 | 23°51 | 2°46 | 16°20 | 17°29 | 13°27 | 15°37 | 14°23 | 18° 9 | 26°58 | F 21 |
| S 22 | 8 35 52 | 10° 9'23 | 18° 8 | 19°13 | 25°14 | 3°31 | 24° 3 | 2°52 | 16°18 | 17°31 | 13°27 | 15°28 | 14°20 | 18°15 | 27° 1 | S 22 |
| S 23 | 8 39 49 | 11°10'09 | 2♈39 | 20°39 | 26°21 | 4°18 | 24°14 | 2°57 | 16°16 | 17°32 | 13°27 | 15°21 | 14°16 | 18°22 | 27° 5 | S 23 |
| M24 | 8 43 45 | 12°10'53 | 17° 5 | 22° 6 | 27°27 | 5° 5 | 24°25 | 3° 3 | 16°14 | 17°33 | 13°27 | 15°16 | 14°13 | 18°29 | 27° 9 | M24 |
| T 25 | 8 47 42 | 13°11'36 | 1♉22 | 23°34 | 28°34 | 5°53 | 24°36 | 3° 9 | 16°12 | 17°34 | 13°27 | 15°13 | 14°10 | 18°35 | 27°13 | T 25 |
| W26 | 8 51 38 | 14°12'17 | 15°27 | 25° 3 | 29°40 | 6°40 | 24°48 | 3°15 | 16°10 | 17°35 | 13°27 | 15°D13 | 14° 7 | 18°42 | 27°17 | W26 |
| T 27 | 8 55 35 | 15°12'56 | 29°20 | 26°33 | 0♈46 | 7°27 | 24°59 | 3°21 | 16° 8 | 17°36 | 13°28 | 15°13 | 14° 4 | 18°49 | 27°21 | T 27 |
| F 28 | 8 59 32 | 16°13'34 | 13♊ 1 | 28° 3 | 1°52 | 8°14 | 25°10 | 3°26 | 16° 6 | 17°38 | 13°28 | 15°R14 | 14° 1 | 18°56 | 27°25 | F 28 |
| S 29 | 9 3 28 | 17°14'10 | 26°31 | 29°35 | 2°58 | 9° 2 | 25°21 | 3°32 | 16° 3 | 17°39 | 13°28 | 15°13 | 13°57 | 19° 2 | 27°29 | S 29 |
| S 30 | 9 7 25 | 18°14'44 | 9♋49 | 1♒ 7 | 4° 3 | 9°49 | 25°31 | 3°39 | 16° 1 | 17°40 | 13°28 | 15°11 | 13°54 | 19° 9 | 27°33 | S 30 |
| M31 | 9 11 21 | 19♒15'16 | 22♋57 | 2♒41 | 5♈ 8 | 10♒36 | 25♐42 | 3♈45 | 15♍59 | 17♈42 | 13♉28 | 15♐ 5 | 13♐51 | 19♎16 | 27♒37 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s12 | 22n52 | 0n 2 | 21s12 | 2n15 | 12s23 | 1s20 | 23s22 | 0s57 | 22s44 | 0n23 | 1s44 | 2s24 | 5n57 | 0n48 | 5n10 | 1s45 | 1n53 | 14s43 | 22s52 | 22s43 | 10s22 | 7s46 | 5n32 |
| S 2 | 22 3 | 22 18 | 1s13 | 21 23 | 2 5 | 11 55 | 1 17 | 23 17 | 0 58 | 22 45 | 0 23 | 1 42 | 2 24 | 5 58 | 0 48 | 5 10 | 1 45 | 1 53 | 14 42 | 22 52 | 22 43 | 10 24 | 7 45 | 5 32 |
| M 3 | 21 54 | 20 27 | 2 22 | 21 34 | 1 55 | 11 26 | 1 14 | 23 11 | 0 58 | 22 46 | 0 23 | 1 40 | 2 24 | 5 58 | 0 48 | 5 11 | 1 45 | 1 53 | 14 42 | 22 51 | 22 43 | 10 27 | 7 44 | 5 32 |
| T 4 | 21 44 | 17 30 | 3 22 | 21 44 | 1 45 | 10 58 | 1 11 | 23 4 | 0 58 | 22 47 | 0 23 | 1 38 | 2 23 | 5 58 | 0 48 | 5 11 | 1 45 | 1 54 | 14 42 | 22 51 | 22 42 | 10 29 | 7 43 | 5 31 |
| W 5 | 21 34 | 13 45 | 4 10 | 21 55 | 1 36 | 10 29 | 1 8 | 22 58 | 0 59 | 22 48 | 0 23 | 1 36 | 2 23 | 5 59 | 0 48 | 5 11 | 1 45 | 1 54 | 14 42 | 22 50 | 22 42 | 10 31 | 7 42 | 5 31 |
| T 6 | 21 24 | 9 26 | 4 44 | 22 5 | 1 26 | 10 0 | 1 5 | 22 51 | 0 59 | 22 49 | 0 23 | 1 34 | 2 23 | 5 59 | 0 48 | 5 11 | 1 45 | 1 54 | 14 41 | 22 50 | 22 42 | 10 33 | 7 41 | 5 31 |
| F 7 | 21 13 | 4 49 | 5 4 | 22 15 | 1 16 | 9 31 | 1 1 | 22 44 | 0 59 | 22 50 | 0 23 | 1 32 | 2 23 | 6 0 | 0 48 | 5 12 | 1 45 | 1 54 | 14 41 | 22 49 | 22 41 | 10 35 | 7 40 | 5 31 |
| S 8 | 21 2 | 0 6 | 5 10 | 22 25 | 1 6 | 9 1 | 0 58 | 22 36 | 1 0 | 22 51 | 0 23 | 1 30 | 2 22 | 6 1 | 0 48 | 5 12 | 1 45 | 1 54 | 14 41 | 22 48 | 22 41 | 10 38 | 7 39 | 5 30 |
| S 9 | 20 50 | 4s32 | 5 1 | 22 33 | 0 57 | 8 32 | 0 54 | 22 29 | 1 0 | 22 52 | 0 23 | 1 28 | 2 22 | 6 1 | 0 48 | 5 12 | 1 45 | 1 55 | 14 40 | 22 48 | 22 40 | 10 40 | 7 38 | 5 30 |
| M10 | 20 38 | 8 56 | 4 40 | 22 41 | 0 47 | 8 2 | 0 51 | 22 21 | 1 0 | 22 53 | 0 23 | 1 26 | 2 22 | 6 2 | 0 48 | 5 13 | 1 45 | 1 55 | 14 40 | 22 47 | 22 40 | 10 42 | 7 37 | 5 30 |
| T 11 | 20 26 | 13 0 | 4 6 | 22 48 | 0 38 | 7 32 | 0 47 | 22 13 | 1 0 | 22 54 | 0 23 | 1 24 | 2 22 | 6 2 | 0 48 | 5 13 | 1 45 | 1 55 | 14 40 | 22 47 | 22 40 | 10 44 | 7 36 | 5 30 |
| W12 | 20 13 | 16 33 | 3 22 | 22 55 | 0 28 | 7 2 | 0 43 | 22 4 | 1 1 | 22 54 | 0 23 | 1 22 | 2 22 | 6 3 | 0 48 | 5 13 | 1 45 | 1 55 | 14 39 | 22 47 | 22 39 | 10 46 | 7 35 | 5 30 |
| T 13 | 20 0 | 19 28 | 2 29 | 23 0 | 0 19 | 6 31 | 0 39 | 21 56 | 1 1 | 22 55 | 0 23 | 1 20 | 2 21 | 6 4 | 0 48 | 5 14 | 1 45 | 1 56 | 14 39 | 22 47 | 22 39 | 10 48 | 7 34 | 5 29 |
| F 14 | 19 46 | 21 34 | 1 29 | 23 4 | 0 11 | 6 1 | 0 35 | 21 47 | 1 1 | 22 56 | 0 22 | 1 18 | 2 21 | 6 4 | 0 48 | 5 14 | 1 45 | 1 56 | 14 39 | 22 48 | 22 39 | 10 51 | 7 33 | 5 29 |
| S 15 | 19 32 | 22 40 | 0 23 | 23 8 | 0 2 | 5 30 | 0 31 | 21 38 | 1 1 | 22 57 | 0 22 | 1 16 | 2 21 | 6 5 | 0 48 | 5 14 | 1 45 | 1 56 | 14 38 | 22 48 | 22 38 | 10 53 | 7 32 | 5 29 |
| S 16 | 19 18 | 22 39 | 0n46 | 23 10 | 0s 6 | 5 0 | 0 27 | 21 28 | 1 2 | 22 57 | 0 22 | 1 14 | 2 21 | 6 5 | 0 48 | 5 15 | 1 45 | 1 57 | 14 38 | 22 48 | 22 38 | 10 55 | 7 31 | 5 29 |
| M17 | 19 4 | 21 24 | 1 54 | 23 11 | 0 15 | 4 29 | 0 23 | 21 19 | 1 2 | 22 58 | 0 22 | 1 11 | 2 21 | 6 6 | 0 48 | 5 15 | 1 45 | 1 57 | 14 38 | 22 47 | 22 38 | 10 57 | 7 30 | 5 29 |
| T 18 | 18 49 | 18 55 | 2 57 | 23 11 | 0 23 | 3 58 | 0 18 | 21 9 | 1 2 | 22 59 | 0 22 | 1 9 | 2 21 | 6 7 | 0 48 | 5 16 | 1 44 | 1 57 | 14 37 | 22 47 | 22 37 | 10 59 | 7 29 | 5 29 |
| W19 | 18 33 | 15 19 | 3 52 | 23 10 | 0 30 | 3 27 | 0 14 | 20 59 | 1 2 | 22 59 | 0 22 | 1 7 | 2 20 | 6 8 | 0 48 | 5 16 | 1 44 | 1 58 | 14 37 | 22 46 | 22 37 | 11 1 | 7 28 | 5 28 |
| T 20 | 18 18 | 10 46 | 4 34 | 23 8 | 0 38 | 2 56 | 0 9 | 20 48 | 1 3 | 23 0 | 0 22 | 1 4 | 2 20 | 6 8 | 0 48 | 5 16 | 1 44 | 1 58 | 14 37 | 22 45 | 22 36 | 11 3 | 7 26 | 5 28 |
| F 21 | 18 2 | 5 34 | 4 59 | 23 4 | 0 45 | 2 25 | 0 5 | 20 38 | 1 3 | 23 1 | 0 22 | 1 2 | 2 20 | 6 9 | 0 48 | 5 17 | 1 44 | 1 58 | 14 36 | 22 44 | 22 36 | 11 5 | 7 25 | 5 28 |
| S 22 | 17 45 | 0 2 | 5 5 | 23 0 | 0 52 | 1 54 | 0n 0 | 20 27 | 1 3 | 23 1 | 0 22 | 1 0 | 2 20 | 6 10 | 0 48 | 5 17 | 1 44 | 1 58 | 14 36 | 22 43 | 22 36 | 11 8 | 7 24 | 5 28 |
| S 23 | 17 29 | 5n31 | 4 52 | 22 54 | 0 59 | 1 23 | 0 5 | 20 16 | 1 3 | 23 2 | 0 22 | 0 57 | 2 20 | 6 11 | 0 48 | 5 18 | 1 44 | 1 59 | 14 36 | 22 43 | 22 35 | 11 10 | 7 23 | 5 28 |
| M24 | 17 12 | 10 44 | 4 20 | 22 46 | 1 5 | 0 52 | 0 10 | 20 5 | 1 3 | 23 2 | 0 22 | 0 55 | 2 19 | 6 11 | 0 48 | 5 18 | 1 44 | 1 59 | 14 35 | 22 42 | 22 35 | 11 12 | 7 22 | 5 28 |
| T 25 | 16 55 | 15 18 | 3 32 | 22 38 | 1 12 | 0 21 | 0 15 | 19 53 | 1 4 | 23 3 | 0 22 | 0 52 | 2 19 | 6 12 | 0 48 | 5 19 | 1 44 | 2 0 | 14 35 | 22 42 | 22 35 | 11 14 | 7 21 | 5 28 |
| W26 | 16 37 | 18 57 | 2 32 | 22 28 | 1 17 | 0n10 | 0 20 | 19 42 | 1 4 | 23 3 | 0 22 | 0 50 | 2 19 | 6 13 | 0 48 | 5 19 | 1 44 | 2 0 | 14 35 | 22 42 | 22 34 | 11 16 | 7 19 | 5 28 |
| T 27 | 16 20 | 21 27 | 1 24 | 22 16 | 1 23 | 0 41 | 0 25 | 19 30 | 1 4 | 23 4 | 0 22 | 0 47 | 2 19 | 6 14 | 0 48 | 5 20 | 1 44 | 2 0 | 14 34 | 22 42 | 22 34 | 11 18 | 7 18 | 5 27 |
| F 28 | 16 2 | 22 38 | 0 12 | 22 4 | 1 28 | 1 12 | 0 30 | 19 18 | 1 4 | 23 4 | 0 22 | 0 45 | 2 19 | 6 15 | 0 48 | 5 20 | 1 44 | 2 1 | 14 34 | 22 42 | 22 33 | 11 20 | 7 17 | 5 27 |
| S 29 | 15 43 | 22 29 | 1s 0 | 21 50 | 1 33 | 1 43 | 0 35 | 19 5 | 1 4 | 23 5 | 0 22 | 0 42 | 2 19 | 6 16 | 0 48 | 5 21 | 1 44 | 2 1 | 14 34 | 22 42 | 22 33 | 11 22 | 7 16 | 5 27 |
| S 30 | 15 25 | 21 2 | 2 7 | 21 34 | 1 38 | 2 14 | 0 40 | 18 53 | 1 4 | 23 5 | 0 22 | 0 40 | 2 18 | 6 17 | 0 48 | 5 21 | 1 44 | 2 1 | 14 33 | 22 42 | 22 33 | 11 25 | 7 15 | 5 27 |
| M31 | 15s 6 | 18n30 | 3s 7 | 21s17 | 1s42 | 2n45 | 0n46 | 18s40 | 1s 4 | 23s 5 | 0n22 | 0s37 | 2s18 | 6n17 | 0n48 | 5n22 | 1s44 | 2n 2 | 14s33 | 22s41 | 22s32 | 11s27 | 7s13 | 5n27 |

Julian Day Number = 2224737.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'41, Lahiri = 15°11'41 Julian Calendar 1 Jan. 1379 == Greg. Calendar 9 Jan. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## FEBRUARY 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 15 18 | 20♒15'46 | 5♌54 | 4♒15 | 6♈13 | 11♒23 | 25♐53 | 3♈51 | 15°R57 | 17♈43 | 13♉29 | 14°R57 | 13♐48 | 19♎22 | 27♒41 | T 1 |
| W 2 | 9 19 14 | 21°16'15 | 18°39 | 5°50 | 7°17 | 12°11 | 26° 3 | 3°57 | 15♍54 | 17°44 | 13°29 | 14♐46 | 13°45 | 19°29 | 27°45 | W 2 |
| T 3 | 9 23 11 | 22°16'42 | 1♍13 | 7°26 | 8°21 | 12°58 | 26°13 | 4° 3 | 15°52 | 17°46 | 13°29 | 14°34 | 13°42 | 19°36 | 27°49 | T 3 |
| F 4 | 9 27 8 | 23°17'08 | 13°36 | 9° 3 | 9°25 | 13°45 | 26°24 | 4°10 | 15°50 | 17°47 | 13°30 | 14°21 | 13°38 | 19°42 | 27°52 | F 4 |
| S 5 | 9 31 4 | 24°17'32 | 25°47 | 10°41 | 10°28 | 14°32 | 26°34 | 4°16 | 15°47 | 17°49 | 13°30 | 14° 9 | 13°35 | 19°49 | 27°56 | S 5 |
| S 6 | 9 35 1 | 25°17'54 | 7♎48 | 12°20 | 11°31 | 15°20 | 26°44 | 4°23 | 15°45 | 17°50 | 13°30 | 13°58 | 13°32 | 19°56 | 28° 0 | S 6 |
| M 7 | 9 38 57 | 26°18'15 | 19°42 | 14° 0 | 12°34 | 16° 7 | 26°54 | 4°29 | 15°43 | 17°52 | 13°31 | 13°50 | 13°29 | 20° 3 | 28° 4 | M 7 |
| T 8 | 9 42 54 | 27°18'34 | 1♏32 | 15°41 | 13°36 | 16°54 | 27° 4 | 4°36 | 15°40 | 17°53 | 13°31 | 13°44 | 13°26 | 20° 9 | 28° 8 | T 8 |
| W 9 | 9 46 50 | 28°18'52 | 13°21 | 17°23 | 14°38 | 17°41 | 27°14 | 4°42 | 15°38 | 17°55 | 13°32 | 13°41 | 13°22 | 20°16 | 28°12 | W 9 |
| T 10 | 9 50 47 | 29°19'09 | 25°16 | 19° 6 | 15°40 | 18°29 | 27°23 | 4°49 | 15°35 | 17°57 | 13°32 | 13°D40 | 13°19 | 20°23 | 28°16 | T 10 |
| F 11 | 9 54 43 | 0♓19'24 | 7♐22 | 20°49 | 16°41 | 19°16 | 27°33 | 4°56 | 15°33 | 17°58 | 13°33 | 13°R40 | 13°16 | 20°29 | 28°20 | F 11 |
| S 12 | 9 58 40 | 1°19'37 | 19°43 | 22°34 | 17°42 | 20° 3 | 27°42 | 5° 2 | 15°30 | 18° 0 | 13°33 | 13°40 | 13°13 | 20°36 | 28°24 | S 12 |
| S 13 | 10 2 36 | 2°19'49 | 2♑25 | 24°20 | 18°42 | 20°51 | 27°52 | 5° 9 | 15°28 | 18° 2 | 13°34 | 13°39 | 13°10 | 20°43 | 28°28 | S 13 |
| M14 | 10 6 33 | 3°19'59 | 15°32 | 26° 7 | 19°42 | 21°38 | 28° 1 | 5°16 | 15°25 | 18° 3 | 13°34 | 13°35 | 13° 7 | 20°49 | 28°32 | M14 |
| T 15 | 10 10 30 | 4°20'08 | 29° 7 | 27°56 | 20°42 | 22°25 | 28°10 | 5°23 | 15°23 | 18° 5 | 13°35 | 13°29 | 13° 3 | 20°56 | 28°36 | T 15 |
| W16 | 10 14 26 | 5°20'14 | 13♒10 | 29°45 | 21°41 | 23°12 | 28°19 | 5°30 | 15°20 | 18° 7 | 13°35 | 13°20 | 13° 0 | 21° 3 | 28°40 | W16 |
| T 17 | 10 18 23 | 6°20'19 | 27°38 | 1♓35 | 22°40 | 24° 0 | 28°28 | 5°37 | 15°18 | 18° 9 | 13°36 | 13°10 | 12°57 | 21°10 | 28°44 | T 17 |
| F 18 | 10 22 19 | 7°20'23 | 12♓24 | 3°26 | 23°38 | 24°47 | 28°37 | 5°44 | 15°15 | 18°10 | 13°37 | 12°58 | 12°54 | 21°16 | 28°48 | F 18 |
| S 19 | 10 26 16 | 8°20'24 | 27°21 | 5°19 | 24°35 | 25°34 | 28°45 | 5°51 | 15°13 | 18°12 | 13°37 | 12°46 | 12°51 | 21°23 | 28°52 | S 19 |
| S 20 | 10 30 12 | 9°20'23 | 12♈18 | 7°12 | 25°33 | 26°22 | 28°54 | 5°58 | 15°10 | 18°14 | 13°38 | 12°36 | 12°48 | 21°30 | 28°56 | S 20 |
| M21 | 10 34 9 | 10°20'20 | 27° 8 | 9° 6 | 26°29 | 27° 9 | 29° 2 | 6° 5 | 15° 7 | 18°16 | 13°39 | 12°29 | 12°44 | 21°36 | 29° 0 | M21 |
| T 22 | 10 38 5 | 11°20'14 | 11♉43 | 11° 2 | 27°25 | 27°56 | 29°10 | 6°12 | 15° 5 | 18°18 | 13°39 | 12°24 | 12°41 | 21°43 | 29° 4 | T 22 |
| W23 | 10 42 2 | 12°20'07 | 25°59 | 12°58 | 28°21 | 28°43 | 29°18 | 6°19 | 15° 2 | 18°20 | 13°40 | 12°22 | 12°38 | 21°50 | 29° 8 | W23 |
| T 24 | 10 45 59 | 13°19'57 | 9♊54 | 14°55 | 29°16 | 29°30 | 29°26 | 6°27 | 15° 0 | 18°22 | 13°41 | 12°22 | 12°35 | 21°56 | 29°12 | T 24 |
| F 25 | 10 49 55 | 14°19'46 | 23°30 | 16°53 | 0♉10 | 0♓18 | 29°34 | 6°34 | 14°57 | 18°24 | 13°41 | 12°22 | 12°32 | 22° 3 | 29°15 | F 25 |
| S 26 | 10 53 52 | 15°19'31 | 6♋48 | 18°52 | 1° 3 | 1° 5 | 29°42 | 6°41 | 14°54 | 18°26 | 13°42 | 12°21 | 12°28 | 22°10 | 29°19 | S 26 |
| S 27 | 10 57 48 | 16°19'15 | 19°51 | 20°51 | 1°56 | 1°52 | 29°49 | 6°48 | 14°52 | 18°28 | 13°43 | 12°17 | 12°25 | 22°16 | 29°23 | S 27 |
| M28 | 11 1 45 | 17♓18'56 | 2♌40 | 22♓51 | 2♉48 | 2♓39 | 29♐56 | 6♈56 | 14♍49 | 18♈30 | 13♉44 | 12♐11 | 12♐22 | 22♎23 | 29♒27 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s47 | 15n 3 | 3s55 | 20s59 | 1s47 | 3n15 | 0n51 | 18s27 | 1s 5 | 23s 6 | 0n21 | 0s35 | 2s18 | 6n18 | 0n48 | 5n23 | 1s44 | 2n 2 | 14s33 | 22s40 | 22s32 | 11s29 | 7s12 | 5n27 |
| W 2 | 14 27 | 10 59 | 4 31 | 20 39 | 1 50 | 3 46 | 0 57 | 18 14 | 1 5 | 23 6 | 0 21 | 0 32 | 2 18 | 6 19 | 0 49 | 5 23 | 1 44 | 2 3 | 14 32 | 22 39 | 22 32 | 11 31 | 7 11 | 5 27 |
| T 3 | 14 8 | 6 30 | 4 54 | 20 18 | 1 54 | 4 16 | 1 2 | 18 1 | 1 5 | 23 7 | 0 21 | 0 29 | 2 18 | 6 20 | 0 49 | 5 24 | 1 44 | 2 3 | 14 32 | 22 37 | 22 31 | 11 33 | 7 10 | 5 27 |
| F 4 | 13 48 | 1 50 | 5 2 | 19 56 | 1 57 | 4 47 | 1 8 | 17 47 | 1 5 | 23 7 | 0 21 | 0 27 | 2 18 | 6 21 | 0 49 | 5 24 | 1 44 | 2 3 | 14 32 | 22 36 | 22 31 | 11 35 | 7 8 | 5 27 |
| S 5 | 13 28 | 2s50 | 4 56 | 19 32 | 1 59 | 5 17 | 1 13 | 17 34 | 1 5 | 23 7 | 0 21 | 0 24 | 2 18 | 6 22 | 0 49 | 5 25 | 1 44 | 2 4 | 14 31 | 22 34 | 22 30 | 11 37 | 7 7 | 5 27 |
| S 6 | 13 8 | 7 20 | 4 36 | 19 6 | 2 2 | 5 47 | 1 19 | 17 20 | 1 5 | 23 8 | 0 21 | 0 21 | 2 17 | 6 23 | 0 49 | 5 26 | 1 44 | 2 4 | 14 31 | 22 33 | 22 30 | 11 39 | 7 6 | 5 27 |
| M 7 | 12 47 | 11 31 | 4 5 | 18 39 | 2 4 | 6 17 | 1 25 | 17 6 | 1 5 | 23 8 | 0 21 | 0 19 | 2 17 | 6 24 | 0 49 | 5 26 | 1 44 | 2 5 | 14 31 | 22 32 | 22 30 | 11 41 | 7 4 | 5 26 |
| T 8 | 12 27 | 15 14 | 3 24 | 18 11 | 2 5 | 6 46 | 1 30 | 16 52 | 1 5 | 23 8 | 0 21 | 0 16 | 2 17 | 6 25 | 0 49 | 5 27 | 1 43 | 2 5 | 14 30 | 22 31 | 22 29 | 11 43 | 7 3 | 5 26 |
| W 9 | 12 6 | 18 20 | 2 33 | 17 41 | 2 6 | 7 16 | 1 36 | 16 37 | 1 5 | 23 8 | 0 21 | 0 13 | 2 17 | 6 26 | 0 49 | 5 28 | 1 43 | 2 5 | 14 30 | 22 31 | 22 29 | 11 45 | 7 2 | 5 26 |
| T 10 | 11 45 | 20 42 | 1 36 | 17 9 | 2 7 | 7 45 | 1 42 | 16 23 | 1 6 | 23 9 | 0 21 | 0 10 | 2 17 | 6 27 | 0 49 | 5 28 | 1 43 | 2 6 | 14 30 | 22 31 | 22 28 | 11 47 | 7 0 | 5 26 |
| F 11 | 11 24 | 22 10 | 0 33 | 16 37 | 2 7 | 8 14 | 1 48 | 16 8 | 1 6 | 23 9 | 0 21 | 0 8 | 2 17 | 6 28 | 0 49 | 5 29 | 1 43 | 2 6 | 14 29 | 22 31 | 22 28 | 11 49 | 6 59 | 5 26 |
| S 12 | 11 2 | 22 35 | 0n32 | 16 2 | 2 7 | 8 43 | 1 54 | 15 53 | 1 6 | 23 9 | 0 21 | 0 5 | 2 17 | 6 29 | 0 49 | 5 30 | 1 43 | 2 7 | 14 29 | 22 31 | 22 28 | 11 51 | 6 58 | 5 26 |
| S 13 | 10 41 | 21 52 | 1 38 | 15 26 | 2 6 | 9 12 | 2 0 | 15 38 | 1 6 | 23 9 | 0 21 | 0 2 | 2 17 | 6 30 | 0 49 | 5 30 | 1 43 | 2 7 | 14 29 | 22 31 | 22 27 | 11 54 | 6 56 | 5 26 |
| M14 | 10 19 | 19 58 | 2 40 | 14 49 | 2 5 | 9 41 | 2 6 | 15 23 | 1 6 | 23 9 | 0 21 | 0n 1 | 2 16 | 6 31 | 0 49 | 5 31 | 1 43 | 2 8 | 14 29 | 22 30 | 22 27 | 11 56 | 6 55 | 5 26 |
| T 15 | 9 57 | 16 53 | 3 36 | 14 10 | 2 4 | 10 9 | 2 12 | 15 7 | 1 6 | 23 10 | 0 21 | 0 4 | 2 16 | 6 32 | 0 49 | 5 32 | 1 43 | 2 8 | 14 28 | 22 30 | 22 26 | 11 58 | 6 54 | 5 26 |
| W16 | 9 35 | 12 46 | 4 20 | 13 30 | 2 2 | 10 37 | 2 18 | 14 52 | 1 6 | 23 10 | 0 21 | 0 6 | 2 16 | 6 33 | 0 49 | 5 32 | 1 43 | 2 9 | 14 28 | 22 29 | 22 26 | 12 0 | 6 52 | 5 26 |
| T 17 | 9 13 | 7 48 | 4 50 | 12 48 | 1 59 | 11 5 | 2 24 | 14 36 | 1 6 | 23 10 | 0 21 | 0 9 | 2 16 | 6 34 | 0 49 | 5 33 | 1 43 | 2 9 | 14 28 | 22 27 | 22 26 | 12 2 | 6 51 | 5 26 |
| F 18 | 8 51 | 2 18 | 5 0 | 12 5 | 1 56 | 11 32 | 2 31 | 14 20 | 1 6 | 23 10 | 0 21 | 0 12 | 2 16 | 6 35 | 0 49 | 5 34 | 1 43 | 2 9 | 14 27 | 22 26 | 22 25 | 12 4 | 6 50 | 5 26 |
| S 19 | 8 28 | 3n23 | 4 51 | 11 21 | 1 53 | 11 59 | 2 37 | 14 4 | 1 6 | 23 10 | 0 21 | 0 15 | 2 16 | 6 36 | 0 49 | 5 34 | 1 43 | 2 10 | 14 27 | 22 24 | 22 25 | 12 6 | 6 48 | 5 26 |
| S 20 | 8 6 | 8 53 | 4 21 | 10 35 | 1 49 | 12 26 | 2 43 | 13 48 | 1 6 | 23 10 | 0 21 | 0 18 | 2 16 | 6 37 | 0 49 | 5 35 | 1 43 | 2 10 | 14 27 | 22 23 | 22 24 | 12 8 | 6 47 | 5 26 |
| M21 | 7 43 | 13 49 | 3 35 | 9 47 | 1 44 | 12 53 | 2 49 | 13 32 | 1 6 | 23 10 | 0 20 | 0 21 | 2 16 | 6 38 | 0 49 | 5 36 | 1 43 | 2 11 | 14 26 | 22 22 | 22 24 | 12 10 | 6 46 | 5 26 |
| T 22 | 7 20 | 17 51 | 2 34 | 8 59 | 1 39 | 13 19 | 2 55 | 13 16 | 1 6 | 23 11 | 0 20 | 0 24 | 2 16 | 6 39 | 0 49 | 5 37 | 1 43 | 2 11 | 14 26 | 22 21 | 22 24 | 12 12 | 6 44 | 5 26 |
| W23 | 6 57 | 20 42 | 1 25 | 8 9 | 1 33 | 13 45 | 3 2 | 12 59 | 1 6 | 23 11 | 0 20 | 0 27 | 2 16 | 6 40 | 0 49 | 5 37 | 1 43 | 2 12 | 14 26 | 22 21 | 22 23 | 12 14 | 6 43 | 5 26 |
| T 24 | 6 34 | 22 13 | 0 13 | 7 18 | 1 27 | 14 10 | 3 8 | 12 43 | 1 6 | 23 11 | 0 20 | 0 30 | 2 16 | 6 41 | 0 49 | 5 38 | 1 43 | 2 12 | 14 26 | 22 21 | 22 23 | 12 16 | 6 42 | 5 26 |
| F 25 | 6 11 | 22 23 | 0s59 | 6 25 | 1 20 | 14 35 | 3 14 | 12 26 | 1 6 | 23 11 | 0 20 | 0 32 | 2 15 | 6 42 | 0 49 | 5 39 | 1 43 | 2 13 | 14 25 | 22 21 | 22 22 | 12 18 | 6 40 | 5 26 |
| S 26 | 5 48 | 21 15 | 2 5 | 5 32 | 1 13 | 15 0 | 3 20 | 12 9 | 1 6 | 23 11 | 0 20 | 0 35 | 2 15 | 6 43 | 0 49 | 5 40 | 1 43 | 2 13 | 14 25 | 22 21 | 22 22 | 12 20 | 6 39 | 5 26 |
| S 27 | 5 25 | 19 1 | 3 4 | 4 38 | 1 5 | 15 25 | 3 26 | 11 52 | 1 6 | 23 11 | 0 20 | 0 38 | 2 15 | 6 44 | 0 49 | 5 40 | 1 43 | 2 14 | 14 25 | 22 21 | 22 22 | 12 22 | 6 38 | 5 26 |
| M28 | 5s 2 | 15n51 | 3s52 | 3s42 | 0s56 | 15n49 | 3n33 | 11s35 | 1s 6 | 23s11 | 0n20 | 0n41 | 2s15 | 6n45 | 0n49 | 5n41 | 1s43 | 2n14 | 14s24 | 22s20 | 22s21 | 12s24 | 6s36 | 5n26 |

Julian Day Number = 2224768.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'45, Lahiri = 15°11'45 Julian Calendar 1 Feb. 1379 == Greg. Calendar 9 Feb. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## MARCH 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 5 41 | 18♓18'35 | 15♌18 | 24♓50 | 3♉40 | 3♓26 | 0♋ 4 | 7♈ 3 | 14°R46 | 18♈32 | 13♉45 | 12°R 2 | 12♐19 | 22♎30 | 29♒31 | T 1 |
| W 2 | 11 9 38 | 19°18'11 | 27°46 | 26°50 | 4°31 | 4°13 | 0°11 | 7°10 | 14♍44 | 18°34 | 13°45 | 11♐51 | 12°16 | 22°37 | 29°35 | W 2 |
| T 3 | 11 13 34 | 20°17'46 | 10♍ 4 | 28°49 | 5°21 | 5° 0 | 0°18 | 7°18 | 14°41 | 18°36 | 13°46 | 11°37 | 12°13 | 22°43 | 29°38 | T 3 |
| F 4 | 11 17 31 | 21°17'18 | 22°15 | 0♈48 | 6°10 | 5°48 | 0°25 | 7°25 | 14°39 | 18°38 | 13°47 | 11°23 | 12° 9 | 22°50 | 29°42 | F 4 |
| S 5 | 11 21 28 | 22°16'48 | 4♎17 | 2°46 | 6°58 | 6°35 | 0°31 | 7°33 | 14°36 | 18°40 | 13°48 | 11° 9 | 12° 6 | 22°57 | 29°46 | S 5 |
| S 6 | 11 25 24 | 23°16'17 | 16°13 | 4°43 | 7°46 | 7°22 | 0°38 | 7°40 | 14°34 | 18°42 | 13°49 | 10°58 | 12° 3 | 23° 3 | 29°50 | S 6 |
| M 7 | 11 29 21 | 24°15'43 | 28° 4 | 6°38 | 8°32 | 8° 9 | 0°44 | 7°48 | 14°31 | 18°44 | 13°50 | 10°48 | 12° 0 | 23°10 | 29°53 | M 7 |
| T 8 | 11 33 17 | 25°15'07 | 9♏53 | 8°31 | 9°18 | 8°56 | 0°50 | 7°55 | 14°28 | 18°46 | 13°51 | 10°41 | 11°57 | 23°17 | 29°57 | T 8 |
| W 9 | 11 37 14 | 26°14'30 | 21°43 | 10°22 | 10° 2 | 9°43 | 0°56 | 8° 3 | 14°26 | 18°48 | 13°52 | 10°37 | 11°53 | 23°23 | 0♓ 1 | W 9 |
| T 10 | 11 41 10 | 27°13'51 | 3♐37 | 12°10 | 10°46 | 10°30 | 1° 2 | 8°10 | 14°23 | 18°50 | 13°53 | 10°36 | 11°50 | 23°30 | 0° 4 | T 10 |
| F 11 | 11 45 7 | 28°13'10 | 15°41 | 13°54 | 11°29 | 11°17 | 1° 8 | 8°18 | 14°21 | 18°52 | 13°54 | 10°D36 | 11°47 | 23°37 | 0° 8 | F 11 |
| S 12 | 11 49 3 | 29°12'27 | 27°59 | 15°35 | 12°10 | 12° 3 | 1°14 | 8°25 | 14°18 | 18°54 | 13°55 | 10°R36 | 11°44 | 23°43 | 0°11 | S 12 |
| S 13 | 11 53 0 | 0♈11'42 | 10♋38 | 17°12 | 12°51 | 12°50 | 1°19 | 8°33 | 14°16 | 18°57 | 13°56 | 10°36 | 11°41 | 23°50 | 0°15 | S 13 |
| M14 | 11 56 57 | 1°10'56 | 23°41 | 18°45 | 13°30 | 13°37 | 1°24 | 8°40 | 14°13 | 18°59 | 13°57 | 10°33 | 11°38 | 23°57 | 0°19 | M14 |
| T 15 | 12 0 53 | 2°10'07 | 7♒12 | 20°12 | 14° 8 | 14°24 | 1°29 | 8°48 | 14°11 | 19° 1 | 13°58 | 10°29 | 11°34 | 24° 3 | 0°22 | T 15 |
| W16 | 12 4 50 | 3° 9'17 | 21°14 | 21°35 | 14°45 | 15°11 | 1°34 | 8°56 | 14° 8 | 19° 3 | 13°59 | 10°22 | 11°31 | 24°10 | 0°26 | W16 |
| T 17 | 12 8 46 | 4° 8'25 | 5♓44 | 22°52 | 15°20 | 15°58 | 1°39 | 9° 3 | 14° 6 | 19° 5 | 14° 0 | 10°13 | 11°28 | 24°17 | 0°29 | T 17 |
| F 18 | 12 12 43 | 5° 7'31 | 20°37 | 24° 3 | 15°54 | 16°45 | 1°44 | 9°11 | 14° 4 | 19° 8 | 14° 1 | 10° 3 | 11°25 | 24°24 | 0°32 | F 18 |
| S 19 | 12 16 39 | 6° 6'35 | 5♈46 | 25° 8 | 16°27 | 17°31 | 1°48 | 9°18 | 14° 1 | 19°10 | 14° 2 | 9°54 | 11°22 | 24°30 | 0°36 | S 19 |
| S 20 | 12 20 36 | 7° 5'37 | 21° 0 | 26° 8 | 16°59 | 18°18 | 1°52 | 9°26 | 13°59 | 19°12 | 14° 3 | 9°45 | 11°19 | 24°37 | 0°39 | S 20 |
| M21 | 12 24 32 | 8° 4'37 | 6♉ 9 | 27° 1 | 17°28 | 19° 5 | 1°56 | 9°34 | 13°57 | 19°14 | 14° 4 | 9°39 | 11°15 | 24°44 | 0°43 | M21 |
| T 22 | 12 28 29 | 9° 3'35 | 21° 3 | 27°48 | 17°57 | 19°51 | 2° 0 | 9°41 | 13°54 | 19°16 | 14° 5 | 9°35 | 11°12 | 24°50 | 0°46 | T 22 |
| W23 | 12 32 25 | 10° 2'30 | 5♊35 | 28°28 | 18°23 | 20°38 | 2° 4 | 9°49 | 13°52 | 19°19 | 14° 7 | 9°D34 | 11° 9 | 24°57 | 0°49 | W23 |
| T 24 | 12 36 22 | 11° 1'23 | 19°43 | 29° 2 | 18°48 | 21°25 | 2° 8 | 9°57 | 13°50 | 19°21 | 14° 8 | 9°34 | 11° 6 | 25° 4 | 0°52 | T 24 |
| F 25 | 12 40 19 | 12° 0'14 | 3♋25 | 29°29 | 19°11 | 22°11 | 2°11 | 10° 4 | 13°48 | 19°23 | 14° 9 | 9°35 | 11° 3 | 25°10 | 0°56 | F 25 |
| S 26 | 12 44 15 | 12°59'03 | 16°44 | 29°49 | 19°33 | 22°58 | 2°14 | 10°12 | 13°45 | 19°25 | 14°10 | 9°R35 | 10°59 | 25°17 | 0°59 | S 26 |
| S 27 | 12 48 12 | 13°57'49 | 29°43 | 0♉ 3 | 19°52 | 23°44 | 2°17 | 10°19 | 13°43 | 19°28 | 14°11 | 9°34 | 10°56 | 25°24 | 1° 2 | S 27 |
| M28 | 12 52 8 | 14°56'33 | 12♌24 | 0°10 | 20°10 | 24°31 | 2°20 | 10°27 | 13°41 | 19°30 | 14°12 | 9°30 | 10°53 | 25°30 | 1° 5 | M28 |
| T 29 | 12 56 5 | 15°55'14 | 24°50 | 0°R11 | 20°25 | 25°17 | 2°23 | 10°35 | 13°39 | 19°32 | 14°14 | 9°25 | 10°50 | 25°37 | 1° 8 | T 29 |
| W30 | 13 0 1 | 16°53'54 | 7♍ 6 | 0° 6 | 20°39 | 26° 4 | 2°25 | 10°42 | 13°37 | 19°34 | 14°15 | 9°17 | 10°47 | 25°44 | 1°11 | W30 |
| T 31 | 13 3 58 | 17♈52'31 | 19♍13 | 29♈56 | 20♉50 | 26♓50 | 2♋27 | 10♈50 | 13♍35 | 19♈37 | 14♉16 | 9♐ 8 | 10♐44 | 25♎50 | 1♓14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s38 | 12n 1 | 4s28 | 2s47 | 0s47 | 16n12 | 3n39 | 11s18 | 1s 6 | 23s11 | 0n20 | 0n44 | 2s15 | 6n46 | 0n49 | 5n42 | 1s43 | 2n15 | 14s24 | 22s19 | 22s21 | 12s26 | 6s35 | 5n26 |
| W 2 | 4 15 | 7 44 | 4 51 | 1 50 | 0 37 | 16 36 | 3 45 | 11 1 | 1 6 | 23 11 | 0 20 | 0 47 | 2 15 | 6 47 | 0 49 | 5 43 | 1 43 | 2 15 | 14 24 | 22 17 | 22 20 | 12 28 | 6 34 | 5 27 |
| T 3 | 3 51 | 3 11 | 5 0 | 0 53 | 0 27 | 16 58 | 3 51 | 10 43 | 1 5 | 23 11 | 0 20 | 0 50 | 2 15 | 6 48 | 0 49 | 5 44 | 1 43 | 2 16 | 14 24 | 22 15 | 22 20 | 12 30 | 6 32 | 5 27 |
| F 4 | 3 28 | 1s25 | 4 55 | 0n 4 | 0 17 | 17 21 | 3 57 | 10 26 | 1 5 | 23 11 | 0 20 | 0 53 | 2 15 | 6 49 | 0 49 | 5 44 | 1 43 | 2 16 | 14 23 | 22 13 | 22 20 | 12 32 | 6 31 | 5 27 |
| S 5 | 3 4 | 5 56 | 4 36 | 1 1 | 0 6 | 17 43 | 4 3 | 10 8 | 1 5 | 23 11 | 0 20 | 0 56 | 2 15 | 6 50 | 0 49 | 5 45 | 1 43 | 2 17 | 14 23 | 22 11 | 22 19 | 12 34 | 6 29 | 5 27 |
| S 6 | 2 41 | 10 11 | 4 6 | 1 58 | 0n 6 | 18 4 | 4 9 | 9 51 | 1 5 | 23 11 | 0 20 | 0 59 | 2 15 | 6 51 | 0 49 | 5 46 | 1 43 | 2 17 | 14 23 | 22 10 | 22 19 | 12 36 | 6 28 | 5 27 |
| M 7 | 2 17 | 14 1 | 3 25 | 2 55 | 0 18 | 18 25 | 4 15 | 9 33 | 1 5 | 23 11 | 0 20 | 1 2 | 2 15 | 6 52 | 0 49 | 5 47 | 1 43 | 2 18 | 14 23 | 22 8 | 22 18 | 12 38 | 6 27 | 5 27 |
| T 8 | 1 54 | 17 17 | 2 35 | 3 50 | 0 29 | 18 46 | 4 21 | 9 15 | 1 5 | 23 11 | 0 20 | 1 5 | 2 15 | 6 53 | 0 49 | 5 48 | 1 43 | 2 18 | 14 22 | 22 7 | 22 18 | 12 40 | 6 25 | 5 27 |
| W 9 | 1 30 | 19 50 | 1 38 | 4 45 | 0 42 | 19 6 | 4 27 | 8 57 | 1 5 | 23 11 | 0 20 | 1 8 | 2 15 | 6 54 | 0 49 | 5 49 | 1 43 | 2 19 | 14 22 | 22 7 | 22 17 | 12 42 | 6 24 | 5 27 |
| T 10 | 1 6 | 21 33 | 0 37 | 5 39 | 0 54 | 19 25 | 4 33 | 8 39 | 1 5 | 23 11 | 0 20 | 1 11 | 2 15 | 6 55 | 0 49 | 5 49 | 1 43 | 2 19 | 14 22 | 22 7 | 22 17 | 12 44 | 6 23 | 5 27 |
| F 11 | 0 43 | 22 18 | 0n27 | 6 31 | 1 6 | 19 44 | 4 39 | 8 21 | 1 5 | 23 11 | 0 20 | 1 14 | 2 15 | 6 56 | 0 49 | 5 50 | 1 43 | 2 20 | 14 22 | 22 7 | 22 17 | 12 46 | 6 21 | 5 27 |
| S 12 | 0 19 | 21 59 | 1 31 | 7 21 | 1 18 | 20 3 | 4 44 | 8 3 | 1 4 | 23 11 | 0 20 | 1 17 | 2 15 | 6 57 | 0 49 | 5 51 | 1 42 | 2 20 | 14 21 | 22 7 | 22 16 | 12 48 | 6 20 | 5 27 |
| S 13 | 0n 5 | 20 33 | 2 33 | 8 10 | 1 30 | 20 21 | 4 50 | 7 45 | 1 4 | 23 11 | 0 19 | 1 20 | 2 15 | 6 58 | 0 49 | 5 52 | 1 42 | 2 21 | 14 21 | 22 7 | 22 16 | 12 49 | 6 19 | 5 27 |
| M14 | 0 28 | 18 1 | 3 28 | 8 56 | 1 42 | 20 38 | 4 56 | 7 27 | 1 4 | 23 11 | 0 19 | 1 23 | 2 15 | 6 59 | 0 49 | 5 53 | 1 42 | 2 21 | 14 21 | 22 6 | 22 15 | 12 51 | 6 17 | 5 28 |
| T 15 | 0 52 | 14 26 | 4 14 | 9 40 | 1 53 | 20 55 | 5 1 | 7 9 | 1 4 | 23 11 | 0 19 | 1 26 | 2 15 | 7 0 | 0 49 | 5 54 | 1 42 | 2 22 | 14 21 | 22 6 | 22 15 | 12 53 | 6 16 | 5 28 |
| W16 | 1 16 | 9 57 | 4 47 | 10 21 | 2 4 | 21 11 | 5 6 | 6 50 | 1 4 | 23 11 | 0 19 | 1 29 | 2 15 | 7 0 | 0 49 | 5 54 | 1 42 | 2 22 | 14 20 | 22 5 | 22 14 | 12 55 | 6 15 | 5 28 |
| T 17 | 1 39 | 4 45 | 5 2 | 11 0 | 2 14 | 21 27 | 5 12 | 6 32 | 1 4 | 23 11 | 0 19 | 1 32 | 2 15 | 7 1 | 0 49 | 5 55 | 1 42 | 2 23 | 14 20 | 22 3 | 22 14 | 12 57 | 6 13 | 5 28 |
| F 18 | 2 3 | 0n50 | 4 58 | 11 35 | 2 24 | 21 42 | 5 17 | 6 13 | 1 3 | 23 11 | 0 19 | 1 35 | 2 15 | 7 2 | 0 49 | 5 56 | 1 42 | 2 23 | 14 20 | 22 2 | 22 14 | 12 59 | 6 12 | 5 28 |
| S 19 | 2 26 | 6 29 | 4 33 | 12 8 | 2 33 | 21 56 | 5 22 | 5 55 | 1 3 | 23 11 | 0 19 | 1 38 | 2 15 | 7 3 | 0 49 | 5 57 | 1 42 | 2 24 | 14 20 | 22 0 | 22 13 | 13 1 | 6 11 | 5 28 |
| S 20 | 2 49 | 11 45 | 3 49 | 12 37 | 2 41 | 22 10 | 5 26 | 5 36 | 1 3 | 23 11 | 0 19 | 1 41 | 2 15 | 7 4 | 0 49 | 5 58 | 1 42 | 2 24 | 14 20 | 21 59 | 22 13 | 13 3 | 6 9 | 5 28 |
| M21 | 3 13 | 16 16 | 2 48 | 13 4 | 2 48 | 22 23 | 5 31 | 5 18 | 1 3 | 23 11 | 0 19 | 1 44 | 2 15 | 7 5 | 0 49 | 5 59 | 1 42 | 2 25 | 14 19 | 21 58 | 22 12 | 13 5 | 6 8 | 5 28 |
| T 22 | 3 36 | 19 39 | 1 37 | 13 26 | 2 55 | 22 36 | 5 35 | 4 59 | 1 3 | 23 11 | 0 19 | 1 47 | 2 15 | 7 6 | 0 49 | 5 59 | 1 42 | 2 25 | 14 19 | 21 58 | 22 12 | 13 7 | 6 7 | 5 29 |
| W23 | 3 59 | 21 39 | 0 21 | 13 46 | 3 0 | 22 47 | 5 40 | 4 41 | 1 2 | 23 11 | 0 19 | 1 50 | 2 15 | 7 7 | 0 48 | 6 0 | 1 42 | 2 26 | 14 19 | 21 58 | 22 11 | 13 9 | 6 6 | 5 29 |
| T 24 | 4 23 | 22 13 | 0s54 | 14 2 | 3 4 | 22 58 | 5 44 | 4 22 | 1 2 | 23 11 | 0 19 | 1 53 | 2 15 | 7 8 | 0 48 | 6 1 | 1 42 | 2 26 | 14 19 | 21 58 | 22 11 | 13 11 | 6 4 | 5 29 |
| F 25 | 4 46 | 21 24 | 2 4 | 14 14 | 3 7 | 23 9 | 5 48 | 4 3 | 1 2 | 23 11 | 0 19 | 1 56 | 2 15 | 7 8 | 0 48 | 6 2 | 1 42 | 2 27 | 14 19 | 21 58 | 22 10 | 13 13 | 6 3 | 5 29 |
| S 26 | 5 9 | 19 24 | 3 5 | 14 23 | 3 9 | 23 18 | 5 51 | 3 45 | 1 2 | 23 11 | 0 19 | 1 59 | 2 15 | 7 9 | 0 48 | 6 3 | 1 42 | 2 27 | 14 18 | 21 58 | 22 10 | 13 15 | 6 2 | 5 29 |
| S 27 | 5 32 | 16 26 | 3 56 | 14 29 | 3 9 | 23 27 | 5 55 | 3 26 | 1 1 | 23 11 | 0 19 | 2 2 | 2 15 | 7 10 | 0 48 | 6 4 | 1 42 | 2 28 | 14 18 | 21 58 | 22 10 | 13 16 | 6 1 | 5 29 |
| M28 | 5 54 | 12 46 | 4 33 | 14 30 | 3 8 | 23 35 | 5 58 | 3 7 | 1 1 | 23 11 | 0 19 | 2 5 | 2 15 | 7 11 | 0 48 | 6 5 | 1 42 | 2 28 | 14 18 | 21 57 | 22 9 | 13 18 | 5 59 | 5 29 |
| T 29 | 6 17 | 8 38 | 4 56 | 14 28 | 3 6 | 23 42 | 6 1 | 2 49 | 1 1 | 23 11 | 0 19 | 2 8 | 2 15 | 7 12 | 0 48 | 6 5 | 1 42 | 2 29 | 14 18 | 21 56 | 22 9 | 13 20 | 5 58 | 5 30 |
| W30 | 6 40 | 4 12 | 5 6 | 14 23 | 3 2 | 23 48 | 6 3 | 2 30 | 1 1 | 23 11 | 0 19 | 2 11 | 2 15 | 7 12 | 0 48 | 6 6 | 1 42 | 2 29 | 14 18 | 21 55 | 22 8 | 13 22 | 5 57 | 5 30 |
| T 31 | 7n 2 | 0s20 | 5s 1 | 14n14 | 2n57 | 23n53 | 6n 5 | 2s11 | 1s 0 | 23s11 | 0n18 | 2n14 | 2s15 | 7n13 | 0n48 | 6n 7 | 1s42 | 2n30 | 14s18 | 21s54 | 22s 8 | 13s24 | 5s56 | 5n30 |

Julian Day Number = 2224796.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'49, Lahiri = 15°11'49 Julian Calendar 1 March 1379 == Greg. Calendar 9 March 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## APRIL 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 7 54 | 18♈51'06 | 1♎13 | 29°R39 | 20♉59 | 27♓36 | 2♊30 | 10♈57 | 13°R33 | 19♈39 | 14♉17 | 8°R58 | 10♐40 | 25♎57 | 1♓17 | F 1 |
| S 2 | 13 11 51 | 19°49'39 | 13° 8 | 29♈18 | 21° 6 | 28°23 | 2°31 | 11° 5 | 13♍31 | 19°41 | 14°19 | 8♐48 | 10°37 | 26° 4 | 1°20 | S 2 |
| S 3 | 13 15 48 | 20°48'10 | 24°59 | 28°52 | 21°11 | 29° 9 | 2°33 | 11°13 | 13°29 | 19°43 | 14°20 | 8°40 | 10°34 | 26°10 | 1°23 | S 3 |
| M 4 | 13 19 44 | 21°46'39 | 6♏49 | 28°21 | 21°R13 | 29°55 | 2°35 | 11°20 | 13°27 | 19°46 | 14°21 | 8°34 | 10°31 | 26°17 | 1°26 | M 4 |
| T 5 | 13 23 41 | 22°45'07 | 18°39 | 27°48 | 21°13 | 0♈41 | 2°36 | 11°28 | 13°25 | 19°48 | 14°22 | 8°30 | 10°28 | 26°24 | 1°29 | T 5 |
| W 6 | 13 27 37 | 23°43'32 | 0♐31 | 27°11 | 21°10 | 1°27 | 2°37 | 11°35 | 13°24 | 19°50 | 14°24 | 8°27 | 10°25 | 26°31 | 1°31 | W 6 |
| T 7 | 13 31 34 | 24°41'56 | 12°29 | 26°33 | 21° 5 | 2°13 | 2°38 | 11°43 | 13°22 | 19°53 | 14°25 | 8°D27 | 10°21 | 26°37 | 1°34 | T 7 |
| F 8 | 13 35 30 | 25°40'18 | 24°36 | 25°53 | 20°58 | 2°59 | 2°39 | 11°50 | 13°20 | 19°55 | 14°26 | 8°28 | 10°18 | 26°44 | 1°37 | F 8 |
| S 9 | 13 39 27 | 26°38'39 | 6♑57 | 25°12 | 20°48 | 3°46 | 2°40 | 11°58 | 13°18 | 19°57 | 14°27 | 8°30 | 10°15 | 26°51 | 1°39 | S 9 |
| S 10 | 13 43 23 | 27°36'58 | 19°35 | 24°32 | 20°36 | 4°32 | 2°40 | 12° 5 | 13°17 | 19°59 | 14°29 | 8°31 | 10°12 | 26°57 | 1°42 | S 10 |
| M11 | 13 47 20 | 28°35'15 | 2♒34 | 23°52 | 20°21 | 5°17 | 2°40 | 12°13 | 13°15 | 20° 2 | 14°30 | 8°R31 | 10° 9 | 27° 4 | 1°45 | M11 |
| T 12 | 13 51 17 | 29°33'31 | 16° 0 | 23°14 | 20° 4 | 6° 3 | 2°R41 | 12°20 | 13°14 | 20° 4 | 14°31 | 8°30 | 10° 5 | 27°11 | 1°47 | T 12 |
| W13 | 13 55 13 | 0♉31'46 | 29°53 | 22°38 | 19°45 | 6°49 | 2°40 | 12°27 | 13°12 | 20° 6 | 14°33 | 8°27 | 10° 2 | 27°17 | 1°50 | W13 |
| T 14 | 13 59 10 | 1°29'58 | 14♓13 | 22° 5 | 19°23 | 7°35 | 2°40 | 12°35 | 13°11 | 20° 8 | 14°34 | 8°23 | 9°59 | 27°24 | 1°52 | T 14 |
| F 15 | 14 3 6 | 2°28'10 | 28°58 | 21°35 | 18°59 | 8°21 | 2°40 | 12°42 | 13° 9 | 20°10 | 14°35 | 8°18 | 9°56 | 27°31 | 1°54 | F 15 |
| S 16 | 14 7 3 | 3°26'19 | 14♈ 2 | 21° 9 | 18°33 | 9° 7 | 2°39 | 12°49 | 13° 8 | 20°13 | 14°37 | 8°13 | 9°53 | 27°37 | 1°57 | S 16 |
| S 17 | 14 10 59 | 4°24'27 | 29°16 | 20°46 | 18° 5 | 9°52 | 2°38 | 12°57 | 13° 6 | 20°15 | 14°38 | 8° 8 | 9°50 | 27°44 | 1°59 | S 17 |
| M18 | 14 14 56 | 5°22'34 | 14♉29 | 20°28 | 17°35 | 10°38 | 2°37 | 13° 4 | 13° 5 | 20°17 | 14°39 | 8° 5 | 9°46 | 27°51 | 2° 1 | M18 |
| T 19 | 14 18 52 | 6°20'39 | 29°32 | 20°15 | 17° 4 | 11°24 | 2°36 | 13°11 | 13° 4 | 20°19 | 14°41 | 8° 3 | 9°43 | 27°57 | 2° 3 | T 19 |
| W20 | 14 22 49 | 7°18'42 | 14♊16 | 20° 6 | 16°31 | 12° 9 | 2°34 | 13°18 | 13° 3 | 20°22 | 14°42 | 8°D 3 | 9°40 | 28° 4 | 2° 6 | W20 |
| T 21 | 14 26 46 | 8°16'43 | 28°36 | 20°D 1 | 15°56 | 12°55 | 2°33 | 13°26 | 13° 1 | 20°24 | 14°43 | 8° 4 | 9°37 | 28°11 | 2° 8 | T 21 |
| F 22 | 14 30 42 | 9°14'42 | 12♋29 | 20° 1 | 15°21 | 13°40 | 2°31 | 13°33 | 13° 0 | 20°26 | 14°45 | 8° 6 | 9°34 | 28°17 | 2°10 | F 22 |
| S 23 | 14 34 39 | 10°12'40 | 25°56 | 20° 6 | 14°44 | 14°25 | 2°29 | 13°40 | 12°59 | 20°28 | 14°46 | 8° 7 | 9°30 | 28°24 | 2°12 | S 23 |
| S 24 | 14 38 35 | 11°10'35 | 8♌59 | 20°16 | 14° 7 | 15°11 | 2°27 | 13°47 | 12°58 | 20°30 | 14°47 | 8°R 8 | 9°27 | 28°31 | 2°14 | S 24 |
| M25 | 14 42 32 | 12° 8'29 | 21°40 | 20°30 | 13°30 | 15°56 | 2°24 | 13°54 | 12°57 | 20°32 | 14°49 | 8° 7 | 9°24 | 28°37 | 2°16 | M25 |
| T 26 | 14 46 28 | 13° 6'21 | 4♍ 4 | 20°49 | 12°52 | 16°41 | 2°22 | 14° 1 | 12°56 | 20°34 | 14°50 | 8° 6 | 9°21 | 28°44 | 2°17 | T 26 |
| W27 | 14 50 25 | 14° 4'11 | 16°14 | 21°12 | 12°14 | 17°27 | 2°19 | 14° 8 | 12°56 | 20°37 | 14°51 | 8° 3 | 9°18 | 28°51 | 2°19 | W27 |
| T 28 | 14 54 21 | 15° 1'59 | 28°15 | 21°39 | 11°36 | 18°12 | 2°16 | 14°15 | 12°55 | 20°39 | 14°53 | 8° 0 | 9°15 | 28°57 | 2°21 | T 28 |
| F 29 | 14 58 18 | 15°59'45 | 10♎ 9 | 22°10 | 10°59 | 18°57 | 2°13 | 14°22 | 12°54 | 20°41 | 14°54 | 7°56 | 9°11 | 29° 4 | 2°23 | F 29 |
| S 30 | 15 2 14 | 16♉57'31 | 21♎59 | 22♈46 | 10♉23 | 19♈42 | 2♊10 | 14♈29 | 12♍53 | 20♈43 | 14♉56 | 7♐53 | 9♐ 8 | 29♎11 | 2♓24 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n25 | 4s49 | 4s44 | 14n 2 | 2n50 | 23n57 | 6n 7 | 1s52 | 1s 0 | 23s11 | 0n18 | 2n17 | 2s15 | 7n14 | 0n48 | 6n 8 | 1s42 | 2n30 | 14s17 | 21s52 | 22s 7 | 13s26 | 5s54 | 5n30 |
| S 2 | 7 47 | 9 5 | 4 14 | 13 47 | 2 42 | 24 1 | 6 9 | 1 34 | 1 0 | 23 11 | 0 18 | 2 20 | 2 15 | 7 15 | 0 48 | 6 9 | 1 42 | 2 31 | 14 17 | 21 51 | 22 7 | 13 28 | 5 53 | 5 30 |
| S 3 | 8 9 | 13 0 | 3 33 | 13 29 | 2 32 | 24 3 | 6 10 | 1 15 | 1 0 | 23 11 | 0 18 | 2 23 | 2 15 | 7 15 | 0 48 | 6 10 | 1 42 | 2 31 | 14 17 | 21 49 | 22 6 | 13 30 | 5 52 | 5 31 |
| M 4 | 8 31 | 16 23 | 2 42 | 13 8 | 2 22 | 24 4 | 6 11 | 0 56 | 0 59 | 23 11 | 0 18 | 2 26 | 2 15 | 7 16 | 0 48 | 6 11 | 1 42 | 2 32 | 14 17 | 21 48 | 22 6 | 13 31 | 5 51 | 5 31 |
| T 5 | 8 53 | 19 7 | 1 45 | 12 44 | 2 9 | 24 5 | 6 11 | 0 38 | 0 59 | 23 11 | 0 18 | 2 29 | 2 15 | 7 17 | 0 48 | 6 11 | 1 42 | 2 32 | 14 17 | 21 48 | 22 5 | 13 33 | 5 50 | 5 31 |
| W 6 | 9 14 | 21 2 | 0 43 | 12 19 | 1 56 | 24 4 | 6 11 | 0 19 | 0 59 | 23 12 | 0 18 | 2 32 | 2 15 | 7 17 | 0 48 | 6 12 | 1 42 | 2 33 | 14 17 | 21 47 | 22 5 | 13 35 | 5 48 | 5 31 |
| T 7 | 9 36 | 22 0 | 0n22 | 11 51 | 1 42 | 24 2 | 6 10 | 0 0 | 0 58 | 23 12 | 0 18 | 2 34 | 2 15 | 7 18 | 0 48 | 6 13 | 1 42 | 2 33 | 14 17 | 21 47 | 22 5 | 13 37 | 5 47 | 5 31 |
| F 8 | 9 57 | 21 58 | 1 27 | 11 23 | 1 27 | 23 59 | 6 9 | 0n18 | 0 58 | 23 12 | 0 18 | 2 37 | 2 15 | 7 19 | 0 48 | 6 14 | 1 42 | 2 34 | 14 16 | 21 47 | 22 4 | 13 39 | 5 46 | 5 32 |
| S 9 | 10 19 | 20 52 | 2 29 | 10 53 | 1 11 | 23 54 | 6 7 | 0 37 | 0 58 | 23 12 | 0 18 | 2 40 | 2 15 | 7 19 | 0 48 | 6 15 | 1 42 | 2 34 | 14 16 | 21 48 | 22 4 | 13 41 | 5 45 | 5 32 |
| S 10 | 10 40 | 18 42 | 3 25 | 10 23 | 0 54 | 23 49 | 6 5 | 0 56 | 0 57 | 23 12 | 0 18 | 2 43 | 2 15 | 7 20 | 0 48 | 6 16 | 1 42 | 2 35 | 14 16 | 21 48 | 22 3 | 13 43 | 5 44 | 5 32 |
| M11 | 11 0 | 15 33 | 4 12 | 9 52 | 0 38 | 23 42 | 6 2 | 1 14 | 0 57 | 23 12 | 0 18 | 2 46 | 2 15 | 7 20 | 0 48 | 6 16 | 1 42 | 2 35 | 14 16 | 21 48 | 22 3 | 13 44 | 5 43 | 5 32 |
| T 12 | 11 21 | 11 31 | 4 48 | 9 23 | 0 20 | 23 34 | 5 58 | 1 33 | 0 57 | 23 12 | 0 18 | 2 49 | 2 15 | 7 21 | 0 48 | 6 17 | 1 42 | 2 35 | 14 16 | 21 48 | 22 2 | 13 46 | 5 42 | 5 32 |
| W13 | 11 42 | 6 45 | 5 8 | 8 53 | 0 3 | 23 24 | 5 54 | 1 51 | 0 56 | 23 12 | 0 18 | 2 51 | 2 16 | 7 22 | 0 48 | 6 18 | 1 42 | 2 36 | 14 16 | 21 47 | 22 2 | 13 48 | 5 41 | 5 33 |
| T 14 | 12 2 | 1 28 | 5 10 | 8 25 | 0s14 | 23 13 | 5 49 | 2 10 | 0 56 | 23 12 | 0 17 | 2 54 | 2 16 | 7 22 | 0 48 | 6 19 | 1 42 | 2 36 | 14 16 | 21 47 | 22 1 | 13 50 | 5 40 | 5 33 |
| F 15 | 12 22 | 4n 3 | 4 51 | 7 58 | 0 30 | 23 1 | 5 44 | 2 28 | 0 55 | 23 12 | 0 17 | 2 57 | 2 16 | 7 23 | 0 48 | 6 20 | 1 42 | 2 37 | 14 16 | 21 46 | 22 1 | 13 52 | 5 39 | 5 33 |
| S 16 | 12 42 | 9 26 | 4 13 | 7 33 | 0 47 | 22 48 | 5 37 | 2 47 | 0 55 | 23 12 | 0 17 | 3 0 | 2 16 | 7 23 | 0 48 | 6 21 | 1 42 | 2 37 | 14 16 | 21 45 | 22 0 | 13 54 | 5 38 | 5 33 |
| S 17 | 13 2 | 14 18 | 3 16 | 7 10 | 1 2 | 22 33 | 5 31 | 3 5 | 0 55 | 23 12 | 0 17 | 3 3 | 2 16 | 7 24 | 0 48 | 6 21 | 1 42 | 2 38 | 14 16 | 21 44 | 22 0 | 13 55 | 5 37 | 5 34 |
| M18 | 13 21 | 18 14 | 2 5 | 6 50 | 1 17 | 22 18 | 5 23 | 3 23 | 0 54 | 23 12 | 0 17 | 3 5 | 2 16 | 7 24 | 0 48 | 6 22 | 1 42 | 2 38 | 14 15 | 21 44 | 21 59 | 13 57 | 5 36 | 5 34 |
| T 19 | 13 41 | 20 52 | 0 47 | 6 31 | 1 32 | 22 1 | 5 15 | 3 42 | 0 54 | 23 13 | 0 17 | 3 8 | 2 16 | 7 25 | 0 48 | 6 23 | 1 42 | 2 39 | 14 15 | 21 43 | 21 59 | 13 59 | 5 35 | 5 34 |
| W20 | 14 0 | 22 2 | 0s34 | 6 15 | 1 46 | 21 42 | 5 6 | 4 0 | 0 53 | 23 13 | 0 17 | 3 11 | 2 16 | 7 25 | 0 48 | 6 24 | 1 43 | 2 39 | 14 15 | 21 43 | 21 58 | 14 1 | 5 34 | 5 34 |
| T 21 | 14 19 | 21 40 | 1 50 | 6 2 | 1 58 | 21 23 | 4 56 | 4 18 | 0 53 | 23 13 | 0 17 | 3 14 | 2 16 | 7 25 | 0 48 | 6 25 | 1 43 | 2 39 | 14 15 | 21 44 | 21 58 | 14 3 | 5 33 | 5 35 |
| F 22 | 14 37 | 19 59 | 2 58 | 5 51 | 2 10 | 21 3 | 4 46 | 4 36 | 0 53 | 23 13 | 0 17 | 3 16 | 2 16 | 7 26 | 0 48 | 6 25 | 1 43 | 2 40 | 14 15 | 21 44 | 21 57 | 14 4 | 5 32 | 5 35 |
| S 23 | 14 56 | 17 13 | 3 53 | 5 42 | 2 21 | 20 42 | 4 35 | 4 54 | 0 52 | 23 13 | 0 17 | 3 19 | 2 16 | 7 26 | 0 48 | 6 26 | 1 43 | 2 40 | 14 15 | 21 44 | 21 57 | 14 6 | 5 31 | 5 35 |
| S 24 | 15 14 | 13 39 | 4 35 | 5 36 | 2 31 | 20 20 | 4 24 | 5 12 | 0 52 | 23 13 | 0 17 | 3 22 | 2 17 | 7 26 | 0 47 | 6 27 | 1 43 | 2 41 | 14 15 | 21 44 | 21 57 | 14 8 | 5 30 | 5 35 |
| M25 | 15 32 | 9 34 | 5 1 | 5 33 | 2 41 | 19 57 | 4 12 | 5 30 | 0 51 | 23 13 | 0 17 | 3 24 | 2 17 | 7 27 | 0 47 | 6 28 | 1 43 | 2 41 | 14 15 | 21 44 | 21 56 | 14 10 | 5 29 | 5 36 |
| T 26 | 15 49 | 5 11 | 5 13 | 5 33 | 2 49 | 19 33 | 4 0 | 5 48 | 0 51 | 23 13 | 0 17 | 3 27 | 2 17 | 7 27 | 0 47 | 6 29 | 1 43 | 2 42 | 14 15 | 21 44 | 21 56 | 14 12 | 5 28 | 5 36 |
| W27 | 16 7 | 0 40 | 5 11 | 5 34 | 2 56 | 19 9 | 3 47 | 6 6 | 0 50 | 23 13 | 0 16 | 3 29 | 2 17 | 7 27 | 0 47 | 6 29 | 1 43 | 2 42 | 14 15 | 21 43 | 21 55 | 14 13 | 5 27 | 5 36 |
| T 28 | 16 24 | 3s48 | 4 55 | 5 39 | 3 2 | 18 45 | 3 34 | 6 23 | 0 50 | 23 14 | 0 16 | 3 32 | 2 17 | 7 28 | 0 47 | 6 30 | 1 43 | 2 42 | 14 15 | 21 43 | 21 55 | 14 15 | 5 26 | 5 36 |
| F 29 | 16 41 | 8 6 | 4 26 | 5 45 | 3 8 | 18 20 | 3 20 | 6 41 | 0 50 | 23 14 | 0 16 | 3 35 | 2 17 | 7 28 | 0 47 | 6 31 | 1 43 | 2 43 | 14 15 | 21 42 | 21 54 | 14 17 | 5 25 | 5 37 |
| S 30 | 16n57 | 12s 5 | 3s46 | 5n54 | 3s13 | 17n56 | 3n 6 | 6n58 | 0s49 | 23s14 | 0n16 | 3n37 | 2s17 | 7n28 | 0n47 | 6n32 | 1s43 | 2n43 | 14s15 | 21s42 | 21s54 | 14s19 | 5s25 | 5n37 |

Julian Day Number = 2224827.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'53, Lahiri = 15°11'53 Julian Calendar 1 Apr. 1379 == Greg. Calendar 9 Apr. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## MAY 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 6 11 | 17♉55'14 | 3♏49 | 23♈25 | 9°R48 | 20♈27 | 2°R 6 | 14♈36 | 12°R53 | 20♈45 | 14♉57 | 7°R50 | 9♐ 5 | 29♎18 | 2♓26 | S 1 |
| M 2 | 15 10 8 | 18°52'56 | 15°40 | 24° 8 | 9♉14 | 21°12 | 2♊ 3 | 14°42 | 12♍52 | 20°47 | 14°58 | 7♐48 | 9° 2 | 29°24 | 2°27 | M 2 |
| T 3 | 15 14 4 | 19°50'37 | 27°34 | 24°55 | 8°41 | 21°57 | 1°59 | 14°49 | 12°52 | 20°49 | 15° 0 | 7°47 | 8°59 | 29°31 | 2°29 | T 3 |
| W 4 | 15 18 1 | 20°48'16 | 9♐34 | 25°45 | 8°10 | 22°42 | 1°55 | 14°56 | 12°51 | 20°51 | 15° 1 | 7°D46 | 8°56 | 29°38 | 2°30 | W 4 |
| T 5 | 15 21 57 | 21°45'55 | 21°41 | 26°39 | 7°41 | 23°27 | 1°51 | 15° 2 | 12°51 | 20°53 | 15° 2 | 7°47 | 8°52 | 29°44 | 2°32 | T 5 |
| F 6 | 15 25 54 | 22°43'32 | 3♊58 | 27°36 | 7°14 | 24°11 | 1°46 | 15° 9 | 12°50 | 20°55 | 15° 4 | 7°48 | 8°49 | 29°51 | 2°33 | F 6 |
| S 7 | 15 29 50 | 23°41'08 | 16°28 | 28°36 | 6°48 | 24°56 | 1°42 | 15°16 | 12°50 | 20°57 | 15° 5 | 7°49 | 8°46 | 29°58 | 2°34 | S 7 |
| S 8 | 15 33 47 | 24°38'43 | 29°13 | 29°40 | 6°25 | 25°41 | 1°37 | 15°22 | 12°50 | 20°59 | 15° 6 | 7°50 | 8°43 | 0♏ 4 | 2°36 | S 8 |
| M 9 | 15 37 44 | 25°36'17 | 12♒16 | 0♉46 | 6° 4 | 26°25 | 1°33 | 15°29 | 12°49 | 21° 1 | 15° 8 | 7°51 | 8°40 | 0°11 | 2°37 | M 9 |
| T 10 | 15 41 40 | 26°33'50 | 25°40 | 1°56 | 5°46 | 27°10 | 1°28 | 15°35 | 12°49 | 21° 3 | 15° 9 | 7°R51 | 8°36 | 0°18 | 2°38 | T 10 |
| W11 | 15 45 37 | 27°31'22 | 9♓25 | 3° 8 | 5°29 | 27°54 | 1°23 | 15°41 | 12°49 | 21° 5 | 15°10 | 7°51 | 8°33 | 0°24 | 2°39 | W11 |
| T 12 | 15 49 33 | 28°28'53 | 23°34 | 4°23 | 5°16 | 28°39 | 1°18 | 15°48 | 12°49 | 21° 7 | 15°12 | 7°50 | 8°30 | 0°31 | 2°40 | T 12 |
| F 13 | 15 53 30 | 29°26'24 | 8♈ 3 | 5°41 | 5° 4 | 29°23 | 1°12 | 15°54 | 12°D49 | 21° 9 | 15°13 | 7°49 | 8°27 | 0°38 | 2°41 | F 13 |
| S 14 | 15 57 26 | 0♊23'54 | 22°50 | 7° 2 | 4°55 | 0♉ 7 | 1° 7 | 16° 0 | 12°49 | 21°10 | 15°14 | 7°49 | 8°24 | 0°44 | 2°42 | S 14 |
| S 15 | 16 1 23 | 1°21'23 | 7♉48 | 8°25 | 4°49 | 0°52 | 1° 1 | 16° 6 | 12°49 | 21°12 | 15°16 | 7°48 | 8°21 | 0°51 | 2°42 | S 15 |
| M16 | 16 5 19 | 2°18'51 | 22°49 | 9°51 | 4°44 | 1°36 | 0°55 | 16°12 | 12°49 | 21°14 | 15°17 | 7°47 | 8°17 | 0°58 | 2°43 | M16 |
| T 17 | 16 9 16 | 3°16'18 | 7♊46 | 11°20 | 4°D43 | 2°20 | 0°49 | 16°18 | 12°49 | 21°16 | 15°18 | 7°D47 | 8°14 | 1° 4 | 2°44 | T 17 |
| W18 | 16 13 13 | 4°13'44 | 22°29 | 12°52 | 4°43 | 3° 4 | 0°43 | 16°24 | 12°50 | 21°18 | 15°20 | 7°47 | 8°11 | 1°11 | 2°45 | W18 |
| T 19 | 16 17 9 | 5°11'09 | 6♋52 | 14°26 | 4°46 | 3°48 | 0°37 | 16°30 | 12°50 | 21°19 | 15°21 | 7°48 | 8° 8 | 1°18 | 2°45 | T 19 |
| F 20 | 16 21 6 | 6° 8'34 | 20°52 | 16° 2 | 4°51 | 4°32 | 0°31 | 16°36 | 12°50 | 21°21 | 15°22 | 7°48 | 8° 5 | 1°24 | 2°46 | F 20 |
| S 21 | 16 25 2 | 7° 5'57 | 4♌26 | 17°42 | 4°58 | 5°16 | 0°25 | 16°42 | 12°51 | 21°23 | 15°23 | 7°48 | 8° 2 | 1°31 | 2°46 | S 21 |
| S 22 | 16 28 59 | 8° 3'18 | 17°34 | 19°23 | 5° 8 | 6° 0 | 0°18 | 16°48 | 12°51 | 21°25 | 15°25 | 7°R48 | 7°58 | 1°38 | 2°47 | S 22 |
| M23 | 16 32 55 | 9° 0'39 | 0♍20 | 21° 8 | 5°19 | 6°44 | 0°12 | 16°53 | 12°52 | 21°26 | 15°26 | 7°48 | 7°55 | 1°44 | 2°47 | M23 |
| T 24 | 16 36 52 | 9°57'59 | 12°45 | 22°55 | 5°33 | 7°28 | 0° 5 | 16°59 | 12°52 | 21°28 | 15°27 | 7°D48 | 7°52 | 1°51 | 2°47 | T 24 |
| W25 | 16 40 48 | 10°55'18 | 24°55 | 24°44 | 5°48 | 8°11 | 29♐58 | 17° 5 | 12°53 | 21°30 | 15°28 | 7°48 | 7°49 | 1°58 | 2°48 | W25 |
| T 26 | 16 44 45 | 11°52'35 | 6♎54 | 26°36 | 6° 6 | 8°55 | 29°51 | 17°10 | 12°53 | 21°31 | 15°30 | 7°48 | 7°46 | 2° 4 | 2°48 | T 26 |
| F 27 | 16 48 42 | 12°49'52 | 18°46 | 28°30 | 6°25 | 9°39 | 29°44 | 17°15 | 12°54 | 21°33 | 15°31 | 7°49 | 7°42 | 2°11 | 2°48 | F 27 |
| S 28 | 16 52 38 | 13°47'08 | 0♏36 | 0♊27 | 6°46 | 10°22 | 29°37 | 17°21 | 12°55 | 21°34 | 15°32 | 7°49 | 7°39 | 2°18 | 2°48 | S 28 |
| S 29 | 16 56 35 | 14°44'23 | 12°26 | 2°26 | 7° 9 | 11° 5 | 29°30 | 17°26 | 12°56 | 21°36 | 15°33 | 7°50 | 7°36 | 2°24 | 2°R48 | S 29 |
| M30 | 17 0 31 | 15°41'38 | 24°21 | 4°27 | 7°33 | 11°49 | 29°23 | 17°31 | 12°57 | 21°37 | 15°35 | 7°51 | 7°33 | 2°31 | 2°48 | M30 |
| T 31 | 17 4 28 | 16♊38'51 | 6♐22 | 6♊30 | 7♉59 | 12♉32 | 29♐16 | 17♈36 | 12♍58 | 21♈39 | 15♉36 | 7°R51 | 7♐30 | 2♏38 | 2♓48 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 17n14 | 15s36 | 2s57 | 6n 5 | 3s16 | 17n31 | 2n52 | 7n16 | 0s49 | 23s14 | 0n16 | 3n40 | 2s17 | 7n28 | 0n47 | 6n32 | 1s43 | 2n44 | 14s15 | 21s41 | 21s53 | 14s20 | 5s24 | 5n37 |
| M 2 | 17 30 | 18 29 | 1 59 | 6 18 | 3 19 | 17 7 | 2 38 | 7 33 | 0 48 | 23 14 | 0 16 | 3 42 | 2 17 | 7 29 | 0 47 | 6 33 | 1 43 | 2 44 | 14 15 | 21 41 | 21 53 | 14 22 | 5 23 | 5 37 |
| T 3 | 17 45 | 20 36 | 0 56 | 6 33 | 3 21 | 16 43 | 2 24 | 7 50 | 0 48 | 23 14 | 0 16 | 3 45 | 2 18 | 7 29 | 0 47 | 6 34 | 1 43 | 2 44 | 14 15 | 21 41 | 21 52 | 14 24 | 5 22 | 5 38 |
| W 4 | 18 1 | 21 48 | 0n10 | 6 50 | 3 23 | 16 19 | 2 10 | 8 8 | 0 47 | 23 15 | 0 16 | 3 47 | 2 18 | 7 29 | 0 47 | 6 35 | 1 43 | 2 45 | 14 15 | 21 41 | 21 52 | 14 26 | 5 21 | 5 38 |
| T 5 | 18 16 | 21 59 | 1 16 | 7 9 | 3 23 | 15 56 | 1 55 | 8 25 | 0 47 | 23 15 | 0 16 | 3 49 | 2 18 | 7 29 | 0 47 | 6 35 | 1 43 | 2 45 | 14 15 | 21 41 | 21 51 | 14 27 | 5 21 | 5 38 |
| F 6 | 18 31 | 21 8 | 2 20 | 7 30 | 3 23 | 15 34 | 1 41 | 8 42 | 0 46 | 23 15 | 0 16 | 3 52 | 2 18 | 7 29 | 0 47 | 6 36 | 1 43 | 2 45 | 14 15 | 21 41 | 21 51 | 14 29 | 5 20 | 5 38 |
| S 7 | 18 45 | 19 13 | 3 18 | 7 52 | 3 22 | 15 12 | 1 27 | 8 59 | 0 46 | 23 15 | 0 15 | 3 54 | 2 18 | 7 29 | 0 47 | 6 37 | 1 43 | 2 46 | 14 15 | 21 41 | 21 50 | 14 31 | 5 19 | 5 39 |
| S 8 | 19 0 | 16 20 | 4 8 | 8 16 | 3 20 | 14 51 | 1 13 | 9 15 | 0 45 | 23 15 | 0 15 | 3 57 | 2 18 | 7 29 | 0 47 | 6 38 | 1 43 | 2 46 | 14 15 | 21 41 | 21 50 | 14 33 | 5 19 | 5 39 |
| M 9 | 19 14 | 12 36 | 4 46 | 8 42 | 3 18 | 14 31 | 0 59 | 9 32 | 0 45 | 23 15 | 0 15 | 3 59 | 2 18 | 7 29 | 0 47 | 6 38 | 1 43 | 2 46 | 14 15 | 21 41 | 21 49 | 14 34 | 5 18 | 5 39 |
| T 10 | 19 27 | 8 9 | 5 10 | 9 8 | 3 15 | 14 12 | 0 46 | 9 49 | 0 44 | 23 15 | 0 15 | 4 1 | 2 19 | 7 29 | 0 47 | 6 39 | 1 43 | 2 47 | 14 15 | 21 41 | 21 49 | 14 36 | 5 17 | 5 40 |
| W11 | 19 40 | 3 10 | 5 17 | 9 36 | 3 11 | 13 54 | 0 32 | 10 5 | 0 44 | 23 16 | 0 15 | 4 4 | 2 19 | 7 29 | 0 47 | 6 40 | 1 43 | 2 47 | 14 15 | 21 41 | 21 48 | 14 38 | 5 17 | 5 40 |
| T 12 | 19 53 | 2n 6 | 5 5 | 10 6 | 3 6 | 13 37 | 0 19 | 10 21 | 0 43 | 23 16 | 0 15 | 4 6 | 2 19 | 7 29 | 0 47 | 6 40 | 1 43 | 2 47 | 14 15 | 21 41 | 21 48 | 14 40 | 5 16 | 5 40 |
| F 13 | 20 6 | 7 24 | 4 34 | 10 36 | 3 1 | 13 22 | 0 7 | 10 38 | 0 43 | 23 16 | 0 15 | 4 8 | 2 19 | 7 29 | 0 47 | 6 41 | 1 43 | 2 48 | 14 15 | 21 41 | 21 47 | 14 41 | 5 15 | 5 40 |
| S 14 | 20 18 | 12 23 | 3 45 | 11 8 | 2 56 | 13 7 | 0s 6 | 10 54 | 0 42 | 23 16 | 0 15 | 4 10 | 2 19 | 7 29 | 0 47 | 6 42 | 1 43 | 2 48 | 14 15 | 21 41 | 21 47 | 14 43 | 5 15 | 5 41 |
| S 15 | 20 30 | 16 40 | 2 39 | 11 41 | 2 50 | 12 54 | 0 18 | 11 10 | 0 41 | 23 16 | 0 15 | 4 13 | 2 19 | 7 29 | 0 47 | 6 42 | 1 43 | 2 48 | 14 15 | 21 41 | 21 46 | 14 45 | 5 14 | 5 41 |
| M16 | 20 42 | 19 52 | 1 22 | 12 14 | 2 43 | 12 41 | 0 29 | 11 26 | 0 41 | 23 16 | 0 15 | 4 15 | 2 20 | 7 29 | 0 47 | 6 43 | 1 43 | 2 49 | 14 15 | 21 41 | 21 46 | 14 46 | 5 14 | 5 41 |
| T 17 | 20 53 | 21 41 | 0 0 | 12 49 | 2 36 | 12 30 | 0 40 | 11 42 | 0 40 | 23 17 | 0 14 | 4 17 | 2 20 | 7 29 | 0 47 | 6 44 | 1 43 | 2 49 | 14 15 | 21 41 | 21 45 | 14 48 | 5 13 | 5 42 |
| W18 | 21 4 | 21 58 | 1s21 | 13 24 | 2 28 | 12 20 | 0 51 | 11 57 | 0 40 | 23 17 | 0 14 | 4 19 | 2 20 | 7 29 | 0 46 | 6 44 | 1 43 | 2 49 | 14 15 | 21 41 | 21 45 | 14 50 | 5 13 | 5 42 |
| T 19 | 21 14 | 20 46 | 2 35 | 13 59 | 2 20 | 12 11 | 1 2 | 12 13 | 0 39 | 23 17 | 0 14 | 4 21 | 2 20 | 7 29 | 0 46 | 6 45 | 1 43 | 2 50 | 14 15 | 21 41 | 21 44 | 14 51 | 5 12 | 5 42 |
| F 20 | 21 24 | 18 19 | 3 37 | 14 36 | 2 11 | 12 3 | 1 12 | 12 28 | 0 39 | 23 17 | 0 14 | 4 23 | 2 20 | 7 29 | 0 46 | 6 45 | 1 43 | 2 50 | 14 16 | 21 41 | 21 44 | 14 53 | 5 12 | 5 42 |
| S 21 | 21 34 | 14 55 | 4 25 | 15 12 | 2 2 | 11 57 | 1 21 | 12 43 | 0 38 | 23 17 | 0 14 | 4 25 | 2 21 | 7 28 | 0 46 | 6 46 | 1 43 | 2 50 | 14 16 | 21 41 | 21 43 | 14 55 | 5 11 | 5 43 |
| S 22 | 21 43 | 10 53 | 4 58 | 15 50 | 1 53 | 11 51 | 1 31 | 12 59 | 0 37 | 23 17 | 0 14 | 4 27 | 2 21 | 7 28 | 0 46 | 6 47 | 1 44 | 2 50 | 14 16 | 21 41 | 21 43 | 14 56 | 5 11 | 5 43 |
| M23 | 21 52 | 6 29 | 5 15 | 16 27 | 1 43 | 11 47 | 1 39 | 13 14 | 0 37 | 23 17 | 0 14 | 4 29 | 2 21 | 7 28 | 0 46 | 6 47 | 1 44 | 2 51 | 14 16 | 21 41 | 21 42 | 14 58 | 5 10 | 5 43 |
| T 24 | 22 1 | 1 55 | 5 16 | 17 4 | 1 33 | 11 43 | 1 48 | 13 28 | 0 36 | 23 18 | 0 14 | 4 31 | 2 21 | 7 28 | 0 46 | 6 48 | 1 44 | 2 51 | 14 16 | 21 41 | 21 42 | 15 0 | 5 10 | 5 44 |
| W25 | 22 9 | 2s37 | 5 4 | 17 41 | 1 22 | 11 41 | 1 56 | 13 43 | 0 36 | 23 18 | 0 13 | 4 33 | 2 21 | 7 27 | 0 46 | 6 48 | 1 44 | 2 51 | 14 16 | 21 41 | 21 41 | 15 1 | 5 10 | 5 44 |
| T 26 | 22 17 | 7 0 | 4 38 | 18 18 | 1 12 | 11 39 | 2 4 | 13 58 | 0 35 | 23 18 | 0 13 | 4 35 | 2 21 | 7 27 | 0 46 | 6 49 | 1 44 | 2 51 | 14 16 | 21 41 | 21 41 | 15 3 | 5 9 | 5 44 |
| F 27 | 22 25 | 11 4 | 4 0 | 18 54 | 1 1 | 11 38 | 2 11 | 14 12 | 0 34 | 23 18 | 0 13 | 4 37 | 2 22 | 7 27 | 0 46 | 6 49 | 1 44 | 2 52 | 14 16 | 21 41 | 21 40 | 15 5 | 5 9 | 5 44 |
| S 28 | 22 32 | 14 43 | 3 12 | 19 30 | 0 50 | 11 39 | 2 18 | 14 27 | 0 34 | 23 18 | 0 13 | 4 39 | 2 22 | 7 26 | 0 46 | 6 50 | 1 44 | 2 52 | 14 16 | 21 41 | 21 40 | 15 6 | 5 9 | 5 45 |
| S 29 | 22 39 | 17 47 | 2 16 | 20 5 | 0 39 | 11 40 | 2 25 | 14 41 | 0 33 | 23 18 | 0 13 | 4 41 | 2 22 | 7 26 | 0 46 | 6 50 | 1 44 | 2 52 | 14 16 | 21 41 | 21 39 | 15 8 | 5 9 | 5 45 |
| M30 | 22 45 | 20 7 | 1 14 | 20 39 | 0 27 | 11 42 | 2 31 | 14 55 | 0 33 | 23 18 | 0 13 | 4 43 | 2 22 | 7 26 | 0 46 | 6 51 | 1 44 | 2 52 | 14 16 | 21 41 | 21 39 | 15 10 | 5 8 | 5 45 |
| T 31 | 22n51 | 21s35 | 0s 8 | 21n12 | 0s16 | 11n45 | 2s37 | 15n 9 | 0s32 | 23s18 | 0n13 | 4n44 | 2s23 | 7n25 | 0n46 | 6n51 | 1s44 | 2n53 | 14s17 | 21s41 | 21s38 | 15s11 | 5s 8 | 5n46 |

Julian Day Number = 2224857.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°04'57, Lahiri = 15°11'58 Julian Calendar 1 May 1379 == Greg. Calendar 9 May 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## JUNE 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 8 24 | 17♊36'05 | 18♐33 | 8♊35 | 8♉27 | 13♉15 | 29°R 8 | 17♈42 | 12♍59 | 21♈40 | 15♉37 | 7°R51 | 7♐27 | 2♏44 | 2°R48 | W 1 |
| T 2 | 17 12 21 | 18°33'18 | 0♑54 | 10°42 | 8°56 | 13°59 | 29♐ 1 | 17°47 | 13° 0 | 21°42 | 15°38 | 7♐50 | 7°23 | 2°51 | 2♓47 | T 2 |
| F 3 | 17 16 17 | 19°30'30 | 13°28 | 12°50 | 9°27 | 14°42 | 28°53 | 17°51 | 13° 1 | 21°43 | 15°39 | 7°49 | 7°20 | 2°58 | 2°47 | F 3 |
| S 4 | 17 20 14 | 20°27'42 | 26°14 | 14°59 | 9°59 | 15°25 | 28°46 | 17°56 | 13° 2 | 21°44 | 15°40 | 7°47 | 7°17 | 3° 4 | 2°47 | S 4 |
| S 5 | 17 24 11 | 21°24'54 | 9♒15 | 17° 9 | 10°32 | 16° 8 | 28°38 | 18° 1 | 13° 3 | 21°46 | 15°42 | 7°45 | 7°14 | 3°11 | 2°47 | S 5 |
| M 6 | 17 28 7 | 22°22'05 | 22°31 | 19°20 | 11° 7 | 16°51 | 28°31 | 18° 6 | 13° 4 | 21°47 | 15°43 | 7°44 | 7°11 | 3°18 | 2°46 | M 6 |
| T 7 | 17 32 4 | 23°19'17 | 6♓ 2 | 21°31 | 11°43 | 17°34 | 28°23 | 18°10 | 13° 6 | 21°48 | 15°44 | 7°43 | 7° 8 | 3°24 | 2°46 | T 7 |
| W 8 | 17 36 0 | 24°16'28 | 19°48 | 23°43 | 12°20 | 18°17 | 28°16 | 18°15 | 13° 7 | 21°50 | 15°45 | 7°D42 | 7° 4 | 3°31 | 2°45 | W 8 |
| T 9 | 17 39 57 | 25°13'40 | 3♈49 | 25°54 | 12°58 | 18°59 | 28° 8 | 18°19 | 13° 8 | 21°51 | 15°46 | 7°42 | 7° 1 | 3°38 | 2°44 | T 9 |
| F 10 | 17 43 53 | 26°10'51 | 18° 4 | 28° 5 | 13°38 | 19°42 | 28° 0 | 18°24 | 13°10 | 21°52 | 15°47 | 7°43 | 6°58 | 3°44 | 2°44 | F 10 |
| S 11 | 17 47 50 | 27° 8'03 | 2♉30 | 0♋15 | 14°18 | 20°25 | 27°53 | 18°28 | 13°11 | 21°53 | 15°48 | 7°44 | 6°55 | 3°51 | 2°43 | S 11 |
| S 12 | 17 51 46 | 28° 5'15 | 17° 5 | 2°24 | 14°59 | 21° 7 | 27°45 | 18°32 | 13°13 | 21°55 | 15°49 | 7°45 | 6°52 | 3°58 | 2°42 | S 12 |
| M13 | 17 55 43 | 29° 2'27 | 1♊44 | 4°32 | 15°42 | 21°50 | 27°37 | 18°36 | 13°14 | 21°56 | 15°50 | 7°R46 | 6°48 | 4° 4 | 2°42 | M13 |
| T 14 | 17 59 40 | 29°59'39 | 16°21 | 6°39 | 16°25 | 22°32 | 27°30 | 18°41 | 13°16 | 21°57 | 15°51 | 7°46 | 6°45 | 4°11 | 2°41 | T 14 |
| W15 | 18 3 36 | 0♋56'51 | 0♋49 | 8°44 | 17°10 | 23°15 | 27°22 | 18°45 | 13°18 | 21°58 | 15°52 | 7°45 | 6°42 | 4°18 | 2°40 | W15 |
| T 16 | 18 7 33 | 1°54'03 | 15° 3 | 10°48 | 17°55 | 23°57 | 27°14 | 18°48 | 13°19 | 21°59 | 15°53 | 7°42 | 6°39 | 4°24 | 2°39 | T 16 |
| F 17 | 18 11 29 | 2°51'15 | 28°59 | 12°50 | 18°41 | 24°39 | 27° 7 | 18°52 | 13°21 | 22° 0 | 15°54 | 7°39 | 6°36 | 4°31 | 2°38 | F 17 |
| S 18 | 18 15 26 | 3°48'26 | 12♌32 | 14°50 | 19°28 | 25°22 | 26°59 | 18°56 | 13°23 | 22° 1 | 15°55 | 7°35 | 6°33 | 4°38 | 2°37 | S 18 |
| S 19 | 18 19 22 | 4°45'38 | 25°42 | 16°49 | 20°15 | 26° 4 | 26°51 | 19° 0 | 13°25 | 22° 2 | 15°56 | 7°31 | 6°29 | 4°44 | 2°35 | S 19 |
| M20 | 18 23 19 | 5°42'49 | 8♍30 | 18°45 | 21° 4 | 26°46 | 26°44 | 19° 3 | 13°27 | 22° 3 | 15°57 | 7°28 | 6°26 | 4°51 | 2°34 | M20 |
| T 21 | 18 27 15 | 6°40'00 | 20°58 | 20°40 | 21°53 | 27°28 | 26°36 | 19° 7 | 13°29 | 22° 4 | 15°58 | 7°26 | 6°23 | 4°58 | 2°33 | T 21 |
| W22 | 18 31 12 | 7°37'12 | 3♎ 9 | 22°33 | 22°42 | 28°10 | 26°29 | 19°10 | 13°31 | 22° 5 | 15°59 | 7°D25 | 6°20 | 5° 4 | 2°32 | W22 |
| T 23 | 18 35 9 | 8°34'23 | 15° 8 | 24°24 | 23°33 | 28°52 | 26°22 | 19°13 | 13°33 | 22° 5 | 16° 0 | 7°25 | 6°17 | 5°11 | 2°30 | T 23 |
| F 24 | 18 39 5 | 9°31'34 | 27° 0 | 26°13 | 24°24 | 29°33 | 26°14 | 19°16 | 13°35 | 22° 6 | 16° 1 | 7°26 | 6°14 | 5°18 | 2°29 | F 24 |
| S 25 | 18 43 2 | 10°28'45 | 8♏50 | 28° 0 | 25°16 | 0♊15 | 26° 7 | 19°19 | 13°37 | 22° 7 | 16° 2 | 7°28 | 6°10 | 5°24 | 2°27 | S 25 |
| S 26 | 18 46 58 | 11°25'56 | 20°42 | 29°45 | 26° 8 | 0°57 | 26° 0 | 19°22 | 13°39 | 22° 8 | 16° 2 | 7°29 | 6° 7 | 5°31 | 2°26 | S 26 |
| M27 | 18 50 55 | 12°23'07 | 2♐40 | 1♌28 | 27° 1 | 1°38 | 25°53 | 19°25 | 13°41 | 22° 8 | 16° 3 | 7°R30 | 6° 4 | 5°38 | 2°24 | M27 |
| T 28 | 18 54 51 | 13°20'18 | 14°50 | 3°10 | 27°54 | 2°20 | 25°46 | 19°28 | 13°44 | 22° 9 | 16° 4 | 7°30 | 6° 1 | 5°44 | 2°23 | T 28 |
| W29 | 18 58 48 | 14°17'30 | 27°12 | 4°49 | 28°48 | 3° 1 | 25°39 | 19°31 | 13°46 | 22°10 | 16° 5 | 7°28 | 5°58 | 5°51 | 2°21 | W29 |
| T 30 | 19 2 44 | 15♋14'42 | 9♑50 | 6♌26 | 29♉43 | 3♊43 | 25♐32 | 19♈33 | 13♍48 | 22♈10 | 16♉ 6 | 7♐25 | 5♐54 | 5♏58 | 2♓20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n56 | 22s 3 | 0n59 | 21n43 | 0s 5 | 11n48 | 2s42 | 15n22 | 0s31 | 23s18 | 0n13 | 4n46 | 2s23 | 7n25 | 0n46 | 6n52 | 1s44 | 2n53 | 14s17 | 21s41 | 21s37 | 15s13 | 5s 8 | 5n46 |
| T 2 | 23 1 | 21 27 | 2 4 | 22 13 | 0n 6 | 11 53 | 2 48 | 15 36 | 0 31 | 23 18 | 0 12 | 4 48 | 2 23 | 7 24 | 0 46 | 6 52 | 1 44 | 2 53 | 14 17 | 21 41 | 21 37 | 15 15 | 5 8 | 5 46 |
| F 3 | 23 6 | 19 46 | 3 5 | 22 41 | 0 17 | 11 58 | 2 53 | 15 49 | 0 30 | 23 19 | 0 12 | 4 49 | 2 23 | 7 24 | 0 46 | 6 53 | 1 44 | 2 53 | 14 17 | 21 41 | 21 36 | 15 16 | 5 7 | 5 46 |
| S 4 | 23 10 | 17 6 | 3 57 | 23 7 | 0 27 | 12 3 | 2 57 | 16 2 | 0 29 | 23 19 | 0 12 | 4 51 | 2 23 | 7 24 | 0 46 | 6 53 | 1 44 | 2 53 | 14 17 | 21 41 | 21 36 | 15 18 | 5 7 | 5 47 |
| S 5 | 23 14 | 13 32 | 4 38 | 23 31 | 0 37 | 12 9 | 3 2 | 16 16 | 0 29 | 23 19 | 0 12 | 4 53 | 2 24 | 7 23 | 0 46 | 6 54 | 1 44 | 2 53 | 14 17 | 21 41 | 21 35 | 15 20 | 5 7 | 5 47 |
| M 6 | 23 18 | 9 15 | 5 5 | 23 52 | 0 47 | 12 16 | 3 6 | 16 28 | 0 28 | 23 19 | 0 12 | 4 54 | 2 24 | 7 23 | 0 46 | 6 54 | 1 44 | 2 54 | 14 17 | 21 40 | 21 35 | 15 21 | 5 7 | 5 47 |
| T 7 | 23 21 | 4 26 | 5 16 | 24 10 | 0 56 | 12 24 | 3 9 | 16 41 | 0 28 | 23 19 | 0 12 | 4 56 | 2 24 | 7 22 | 0 46 | 6 55 | 1 44 | 2 54 | 14 18 | 21 40 | 21 34 | 15 23 | 5 7 | 5 48 |
| W 8 | 23 24 | 0n41 | 5 9 | 24 26 | 1 4 | 12 32 | 3 13 | 16 54 | 0 27 | 23 19 | 0 12 | 4 57 | 2 24 | 7 21 | 0 46 | 6 55 | 1 44 | 2 54 | 14 18 | 21 40 | 21 34 | 15 24 | 5 7 | 5 48 |
| T 9 | 23 26 | 5 52 | 4 44 | 24 39 | 1 12 | 12 40 | 3 16 | 17 6 | 0 26 | 23 19 | 0 11 | 4 59 | 2 25 | 7 21 | 0 46 | 6 56 | 1 44 | 2 54 | 14 18 | 21 40 | 21 33 | 15 26 | 5 7 | 5 48 |
| F 10 | 23 28 | 10 49 | 4 1 | 24 50 | 1 19 | 12 49 | 3 19 | 17 19 | 0 26 | 23 19 | 0 11 | 5 0 | 2 25 | 7 20 | 0 46 | 6 56 | 1 44 | 2 54 | 14 18 | 21 40 | 21 33 | 15 28 | 5 7 | 5 48 |
| S 11 | 23 29 | 15 14 | 3 3 | 24 57 | 1 26 | 12 58 | 3 22 | 17 31 | 0 25 | 23 19 | 0 11 | 5 2 | 2 25 | 7 20 | 0 45 | 6 56 | 1 45 | 2 54 | 14 18 | 21 40 | 21 32 | 15 29 | 5 7 | 5 49 |
| S 12 | 23 30 | 18 47 | 1 52 | 25 2 | 1 32 | 13 8 | 3 24 | 17 43 | 0 24 | 23 19 | 0 11 | 5 3 | 2 25 | 7 19 | 0 45 | 6 57 | 1 45 | 2 54 | 14 18 | 21 41 | 21 32 | 15 31 | 5 7 | 5 49 |
| M13 | 23 31 | 21 7 | 0 33 | 25 4 | 1 37 | 13 18 | 3 27 | 17 54 | 0 24 | 23 19 | 0 11 | 5 4 | 2 25 | 7 18 | 0 45 | 6 57 | 1 45 | 2 55 | 14 19 | 21 41 | 21 31 | 15 32 | 5 7 | 5 49 |
| T 14 | 23 31 | 22 2 | 0s47 | 25 3 | 1 42 | 13 28 | 3 29 | 18 6 | 0 23 | 23 19 | 0 11 | 5 6 | 2 26 | 7 18 | 0 45 | 6 57 | 1 45 | 2 55 | 14 19 | 21 41 | 21 31 | 15 34 | 5 7 | 5 49 |
| W15 | 23 31 | 21 27 | 2 4 | 24 59 | 1 45 | 13 39 | 3 30 | 18 17 | 0 22 | 23 19 | 0 11 | 5 7 | 2 26 | 7 17 | 0 45 | 6 58 | 1 45 | 2 55 | 14 19 | 21 40 | 21 30 | 15 36 | 5 7 | 5 50 |
| T 16 | 23 30 | 19 30 | 3 11 | 24 53 | 1 48 | 13 50 | 3 32 | 18 29 | 0 22 | 23 19 | 0 10 | 5 8 | 2 26 | 7 16 | 0 45 | 6 58 | 1 45 | 2 55 | 14 19 | 21 40 | 21 29 | 15 37 | 5 7 | 5 50 |
| F 17 | 23 29 | 16 26 | 4 5 | 24 44 | 1 51 | 14 1 | 3 33 | 18 40 | 0 21 | 23 19 | 0 10 | 5 9 | 2 26 | 7 16 | 0 45 | 6 59 | 1 45 | 2 55 | 14 19 | 21 40 | 21 29 | 15 39 | 5 7 | 5 50 |
| S 18 | 23 28 | 12 33 | 4 44 | 24 33 | 1 52 | 14 13 | 3 34 | 18 50 | 0 20 | 23 19 | 0 10 | 5 11 | 2 27 | 7 15 | 0 45 | 6 59 | 1 45 | 2 55 | 14 19 | 21 39 | 21 28 | 15 40 | 5 7 | 5 50 |
| S 19 | 23 26 | 8 10 | 5 7 | 24 20 | 1 53 | 14 24 | 3 35 | 19 1 | 0 19 | 23 19 | 0 10 | 5 12 | 2 27 | 7 14 | 0 45 | 6 59 | 1 45 | 2 55 | 14 20 | 21 38 | 21 28 | 15 42 | 5 8 | 5 51 |
| M20 | 23 24 | 3 34 | 5 14 | 24 4 | 1 53 | 14 36 | 3 36 | 19 12 | 0 19 | 23 19 | 0 10 | 5 13 | 2 27 | 7 13 | 0 45 | 6 59 | 1 45 | 2 55 | 14 20 | 21 38 | 21 27 | 15 43 | 5 8 | 5 51 |
| T 21 | 23 21 | 1s 5 | 5 5 | 23 47 | 1 53 | 14 48 | 3 37 | 19 22 | 0 18 | 23 19 | 0 10 | 5 14 | 2 27 | 7 13 | 0 45 | 7 0 | 1 45 | 2 55 | 14 20 | 21 37 | 21 27 | 15 45 | 5 8 | 5 51 |
| W22 | 23 18 | 5 35 | 4 43 | 23 28 | 1 52 | 15 1 | 3 37 | 19 32 | 0 17 | 23 19 | 0 10 | 5 15 | 2 28 | 7 12 | 0 45 | 7 0 | 1 45 | 2 55 | 14 20 | 21 37 | 21 26 | 15 46 | 5 8 | 5 51 |
| T 23 | 23 14 | 9 48 | 4 8 | 23 7 | 1 50 | 15 13 | 3 37 | 19 42 | 0 17 | 23 19 | 0 9 | 5 16 | 2 28 | 7 11 | 0 45 | 7 0 | 1 45 | 2 55 | 14 20 | 21 37 | 21 26 | 15 48 | 5 9 | 5 52 |
| F 24 | 23 11 | 13 36 | 3 24 | 22 44 | 1 47 | 15 25 | 3 37 | 19 52 | 0 16 | 23 19 | 0 9 | 5 17 | 2 28 | 7 10 | 0 45 | 7 0 | 1 45 | 2 55 | 14 21 | 21 37 | 21 25 | 15 50 | 5 9 | 5 52 |
| S 25 | 23 6 | 16 52 | 2 31 | 22 20 | 1 44 | 15 38 | 3 37 | 20 1 | 0 15 | 23 19 | 0 9 | 5 18 | 2 28 | 7 9 | 0 45 | 7 1 | 1 45 | 2 55 | 14 21 | 21 38 | 21 25 | 15 51 | 5 9 | 5 52 |
| S 26 | 23 1 | 19 27 | 1 31 | 21 55 | 1 41 | 15 50 | 3 37 | 20 11 | 0 14 | 23 18 | 0 9 | 5 19 | 2 29 | 7 8 | 0 45 | 7 1 | 1 45 | 2 55 | 14 21 | 21 38 | 21 24 | 15 53 | 5 9 | 5 52 |
| M27 | 22 56 | 21 12 | 0 26 | 21 28 | 1 37 | 16 3 | 3 36 | 20 20 | 0 14 | 23 18 | 0 9 | 5 20 | 2 29 | 7 7 | 0 45 | 7 1 | 1 45 | 2 56 | 14 21 | 21 38 | 21 23 | 15 54 | 5 10 | 5 53 |
| T 28 | 22 51 | 22 0 | 0n40 | 21 0 | 1 32 | 16 15 | 3 36 | 20 29 | 0 13 | 23 18 | 0 9 | 5 20 | 2 29 | 7 7 | 0 45 | 7 1 | 1 46 | 2 56 | 14 21 | 21 38 | 21 23 | 15 56 | 5 10 | 5 53 |
| W29 | 22 45 | 21 44 | 1 45 | 20 32 | 1 27 | 16 28 | 3 35 | 20 38 | 0 12 | 23 18 | 0 9 | 5 21 | 2 30 | 7 6 | 0 45 | 7 1 | 1 46 | 2 56 | 14 22 | 21 38 | 21 22 | 15 57 | 5 10 | 5 53 |
| T 30 | 22n39 | 20s23 | 2n47 | 20n 2 | 1n21 | 16n40 | 3s34 | 20n47 | 0s12 | 23s18 | 0n 8 | 5n22 | 2s30 | 7n 5 | 0n45 | 7n 2 | 1s46 | 2n56 | 14s22 | 21s37 | 21s22 | 15s59 | 5s11 | 5n53 |

Julian Day Number = 2224888.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'01, Lahiri = 15°12'02 Julian Calendar 1 June 1379 == Greg. Calendar 9 June 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## JULY 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 6 41 | 16♋11'55 | 22♑43 | 8♌ 2 | 0♊38 | 4♊24 | 25°R25 | 19♈36 | 13♍51 | 22♈11 | 16♉ 6 | 7°R20 | 5♐51 | 6♏ 4 | 2°R18 | F 1 |
| S 2 | 19 10 38 | 17° 9'08 | 5♒52 | 9°35 | 1°33 | 5° 5 | 25♐18 | 19°38 | 13°53 | 22°11 | 16° 7 | 7♐14 | 5°48 | 6°11 | 2♓16 | S 2 |
| S 3 | 19 14 34 | 18° 6'21 | 19°16 | 11° 7 | 2°29 | 5°47 | 25°12 | 19°41 | 13°56 | 22°12 | 16° 8 | 7° 7 | 5°45 | 6°18 | 2°14 | S 3 |
| M 4 | 19 18 31 | 19° 3'35 | 2♓53 | 12°36 | 3°26 | 6°28 | 25° 5 | 19°43 | 13°58 | 22°12 | 16° 9 | 7° 1 | 5°42 | 6°24 | 2°12 | M 4 |
| T 5 | 19 22 27 | 20° 0'50 | 16°40 | 14° 4 | 4°23 | 7° 9 | 24°59 | 19°45 | 14° 1 | 22°13 | 16° 9 | 6°56 | 5°39 | 6°31 | 2°10 | T 5 |
| W 6 | 19 26 24 | 20°58'06 | 0♈37 | 15°29 | 5°20 | 7°50 | 24°53 | 19°47 | 14° 3 | 22°13 | 16°10 | 6°52 | 5°35 | 6°38 | 2° 8 | W 6 |
| T 7 | 19 30 20 | 21°55'22 | 14°40 | 16°53 | 6°18 | 8°31 | 24°47 | 19°49 | 14° 6 | 22°14 | 16°11 | 6°51 | 5°32 | 6°44 | 2° 6 | T 7 |
| F 8 | 19 34 17 | 22°52'40 | 28°48 | 18°14 | 7°16 | 9°11 | 24°41 | 19°51 | 14° 9 | 22°14 | 16°11 | 6°D50 | 5°29 | 6°51 | 2° 4 | F 8 |
| S 9 | 19 38 13 | 23°49'59 | 13♉ 0 | 19°34 | 8°15 | 9°52 | 24°35 | 19°53 | 14°11 | 22°14 | 16°12 | 6°51 | 5°26 | 6°58 | 2° 2 | S 9 |
| S 10 | 19 42 10 | 24°47'19 | 27°15 | 20°51 | 9°14 | 10°33 | 24°29 | 19°54 | 14°14 | 22°15 | 16°13 | 6°52 | 5°23 | 7° 4 | 2° 0 | S 10 |
| M11 | 19 46 7 | 25°44'39 | 11♊29 | 22° 6 | 10°13 | 11°14 | 24°23 | 19°56 | 14°17 | 22°15 | 16°13 | 6°R53 | 5°20 | 7°11 | 1°58 | M11 |
| T 12 | 19 50 3 | 26°42'01 | 25°40 | 23°19 | 11°13 | 11°54 | 24°18 | 19°57 | 14°20 | 22°15 | 16°14 | 6°51 | 5°16 | 7°18 | 1°56 | T 12 |
| W13 | 19 54 0 | 27°39'24 | 9♋44 | 24°29 | 12°13 | 12°35 | 24°13 | 19°58 | 14°22 | 22°15 | 16°14 | 6°48 | 5°13 | 7°24 | 1°54 | W13 |
| T 14 | 19 57 56 | 28°36'48 | 23°39 | 25°37 | 13°13 | 13°15 | 24° 7 | 20° 0 | 14°25 | 22°16 | 16°15 | 6°42 | 5°10 | 7°31 | 1°51 | T 14 |
| F 15 | 20 1 53 | 29°34'13 | 7♌19 | 26°43 | 14°14 | 13°55 | 24° 2 | 20° 1 | 14°28 | 22°16 | 16°15 | 6°34 | 5° 7 | 7°38 | 1°49 | F 15 |
| S 16 | 20 5 49 | 0♌31'38 | 20°42 | 27°46 | 15°15 | 14°36 | 23°57 | 20° 2 | 14°31 | 22°16 | 16°16 | 6°25 | 5° 4 | 7°44 | 1°47 | S 16 |
| S 17 | 20 9 46 | 1°29'04 | 3♍46 | 28°46 | 16°16 | 15°16 | 23°53 | 20° 3 | 14°34 | 22°16 | 16°16 | 6°16 | 5° 0 | 7°51 | 1°44 | S 17 |
| M18 | 20 13 43 | 2°26'31 | 16°30 | 29°43 | 17°18 | 15°56 | 23°48 | 20° 4 | 14°37 | 22°R16 | 16°17 | 6° 7 | 4°57 | 7°58 | 1°42 | M18 |
| T 19 | 20 17 39 | 3°23'59 | 28°56 | 0♍38 | 18°20 | 16°36 | 23°44 | 20° 4 | 14°40 | 22°16 | 16°17 | 6° 0 | 4°54 | 8° 4 | 1°39 | T 19 |
| W20 | 20 21 36 | 4°21'28 | 11♎ 7 | 1°29 | 19°22 | 17°16 | 23°39 | 20° 5 | 14°43 | 22°16 | 16°18 | 5°55 | 4°51 | 8°11 | 1°37 | W20 |
| T 21 | 20 25 32 | 5°18'57 | 23° 5 | 2°17 | 20°25 | 17°56 | 23°35 | 20° 5 | 14°46 | 22°16 | 16°18 | 5°52 | 4°48 | 8°18 | 1°34 | T 21 |
| F 22 | 20 29 29 | 6°16'28 | 4♏57 | 3° 2 | 21°28 | 18°36 | 23°31 | 20° 6 | 14°49 | 22°16 | 16°18 | 5°D51 | 4°45 | 8°24 | 1°32 | F 22 |
| S 23 | 20 33 25 | 7°13'59 | 16°46 | 3°43 | 22°31 | 19°16 | 23°28 | 20° 6 | 14°53 | 22°15 | 16°19 | 5°52 | 4°41 | 8°31 | 1°29 | S 23 |
| S 24 | 20 37 22 | 8°11'31 | 28°39 | 4°21 | 23°34 | 19°55 | 23°24 | 20° 6 | 14°56 | 22°15 | 16°19 | 5°53 | 4°38 | 8°38 | 1°27 | S 24 |
| M25 | 20 41 18 | 9° 9'04 | 10♐40 | 4°54 | 24°37 | 20°35 | 23°21 | 20°R 6 | 14°59 | 22°15 | 16°19 | 5°R53 | 4°35 | 8°44 | 1°24 | M25 |
| T 26 | 20 45 15 | 10° 6'38 | 22°54 | 5°24 | 25°41 | 21°14 | 23°17 | 20° 6 | 15° 2 | 22°15 | 16°20 | 5°51 | 4°32 | 8°51 | 1°21 | T 26 |
| W27 | 20 49 12 | 11° 4'13 | 5♑26 | 5°49 | 26°45 | 21°54 | 23°14 | 20° 6 | 15° 6 | 22°15 | 16°20 | 5°48 | 4°29 | 8°58 | 1°19 | W27 |
| T 28 | 20 53 8 | 12° 1'49 | 18°17 | 6° 9 | 27°50 | 22°33 | 23°12 | 20° 6 | 15° 9 | 22°14 | 16°20 | 5°42 | 4°26 | 9° 4 | 1°16 | T 28 |
| F 29 | 20 57 5 | 12°59'26 | 1♒29 | 6°25 | 28°54 | 23°12 | 23° 9 | 20° 5 | 15°12 | 22°14 | 16°20 | 5°33 | 4°22 | 9°11 | 1°13 | F 29 |
| S 30 | 21 1 1 | 13°57'05 | 15° 1 | 6°35 | 29°59 | 23°52 | 23° 6 | 20° 5 | 15°15 | 22°14 | 16°21 | 5°23 | 4°19 | 9°18 | 1°11 | S 30 |
| S 31 | 21 4 58 | 14♌54'45 | 28♒50 | 6°R41 | 1♋ 4 | 24♊31 | 23♐ 4 | 20♈ 4 | 15♍19 | 22♈13 | 16♉21 | 5♐12 | 4♐16 | 9♏24 | 1♓ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat | |
| F 1 | 22n32 | 17s58 | 3n41 | 19n32 | 1n15 | 16n53 | 3s33 | 20n55 | 0s11 | 23s18 | 0n 8 | 5n23 | 2s30 | 7n 4 | 0n45 | 7n 2 | 1s46 | 2n56 | 14s22 | 21s36 | 21s21 | 16s 0 | 5s11 | 5n53 | | F 1 |
| S 2 | 22 25 | 14 35 | 4 25 | 19 0 | 1 8 | 17 5 | 3 32 | 21 3 | 0 10 | 23 18 | 0 8 | 5 23 | 2 30 | 7 3 | 0 45 | 7 2 | 1 46 | 2 55 | 14 22 | 21 35 | 21 21 | 16 2 | 5 12 | 5 54 | | S 2 |
| S 3 | 22 17 | 10 25 | 4 55 | 18 29 | 1 1 | 17 17 | 3 30 | 21 11 | 0 9 | 23 18 | 0 8 | 5 24 | 2 31 | 7 2 | 0 45 | 7 2 | 1 46 | 2 55 | 14 23 | 21 34 | 21 20 | 16 3 | 5 12 | 5 54 | | S 3 |
| M 4 | 22 10 | 5 41 | 5 9 | 17 57 | 0 54 | 17 29 | 3 29 | 21 19 | 0 9 | 23 18 | 0 8 | 5 24 | 2 31 | 7 1 | 0 45 | 7 2 | 1 46 | 2 55 | 14 23 | 21 33 | 21 20 | 16 5 | 5 13 | 5 54 | | M 4 |
| T 5 | 22 1 | 0 36 | 5 5 | 17 24 | 0 46 | 17 41 | 3 27 | 21 27 | 0 8 | 23 18 | 0 8 | 5 25 | 2 31 | 7 0 | 0 45 | 7 2 | 1 46 | 2 55 | 14 23 | 21 32 | 21 19 | 16 6 | 5 13 | 5 54 | | T 5 |
| W 6 | 21 53 | 4n34 | 4 43 | 16 51 | 0 38 | 17 53 | 3 26 | 21 34 | 0 7 | 23 18 | 0 7 | 5 26 | 2 31 | 6 59 | 0 45 | 7 2 | 1 46 | 2 55 | 14 23 | 21 32 | 21 18 | 16 8 | 5 14 | 5 54 | | W 6 |
| T 7 | 21 44 | 9 33 | 4 5 | 16 18 | 0 29 | 18 5 | 3 24 | 21 42 | 0 6 | 23 18 | 0 7 | 5 26 | 2 32 | 6 58 | 0 45 | 7 3 | 1 46 | 2 55 | 14 24 | 21 31 | 21 18 | 16 9 | 5 14 | 5 55 | | T 7 |
| F 8 | 21 34 | 14 3 | 3 11 | 15 44 | 0 20 | 18 17 | 3 22 | 21 49 | 0 6 | 23 17 | 0 7 | 5 26 | 2 32 | 6 57 | 0 44 | 7 3 | 1 46 | 2 55 | 14 24 | 21 31 | 21 17 | 16 11 | 5 15 | 5 55 | | F 8 |
| S 9 | 21 25 | 17 47 | 2 5 | 15 11 | 0 11 | 18 28 | 3 20 | 21 56 | 0 5 | 23 17 | 0 7 | 5 27 | 2 32 | 6 56 | 0 44 | 7 3 | 1 46 | 2 55 | 14 24 | 21 32 | 21 17 | 16 12 | 5 15 | 5 55 | | S 9 |
| S 10 | 21 14 | 20 27 | 0 52 | 14 37 | 0 2 | 18 39 | 3 18 | 22 2 | 0 4 | 23 17 | 0 7 | 5 27 | 2 33 | 6 54 | 0 44 | 7 3 | 1 46 | 2 55 | 14 24 | 21 32 | 21 16 | 16 14 | 5 16 | 5 55 | | S 10 |
| M11 | 21 4 | 21 49 | 0s25 | 14 4 | 0s 8 | 18 50 | 3 16 | 22 9 | 0 3 | 23 17 | 0 7 | 5 28 | 2 33 | 6 53 | 0 44 | 7 3 | 1 46 | 2 55 | 14 25 | 21 32 | 21 16 | 16 15 | 5 17 | 5 55 | | M11 |
| T 12 | 20 53 | 21 47 | 1 40 | 13 30 | 0 18 | 19 0 | 3 13 | 22 15 | 0 2 | 23 17 | 0 7 | 5 28 | 2 33 | 6 52 | 0 44 | 7 3 | 1 46 | 2 55 | 14 25 | 21 32 | 21 15 | 16 17 | 5 17 | 5 55 | | T 12 |
| W13 | 20 42 | 20 23 | 2 47 | 12 57 | 0 29 | 19 11 | 3 11 | 22 21 | 0 2 | 23 17 | 0 6 | 5 28 | 2 33 | 6 51 | 0 44 | 7 3 | 1 46 | 2 55 | 14 25 | 21 31 | 21 15 | 16 18 | 5 18 | 5 56 | | W13 |
| T 14 | 20 30 | 17 45 | 3 44 | 12 24 | 0 39 | 19 21 | 3 8 | 22 27 | 0 1 | 23 17 | 0 6 | 5 28 | 2 34 | 6 50 | 0 44 | 7 3 | 1 47 | 2 55 | 14 25 | 21 30 | 21 14 | 16 20 | 5 18 | 5 56 | | T 14 |
| F 15 | 20 18 | 14 12 | 4 27 | 11 52 | 0 50 | 19 31 | 3 6 | 22 33 | 0 0 | 23 17 | 0 6 | 5 28 | 2 34 | 6 49 | 0 44 | 7 3 | 1 47 | 2 55 | 14 26 | 21 29 | 21 13 | 16 21 | 5 19 | 5 56 | | F 15 |
| S 16 | 20 6 | 9 59 | 4 54 | 11 20 | 1 1 | 19 40 | 3 3 | 22 38 | 0n 1 | 23 17 | 0 6 | 5 29 | 2 34 | 6 48 | 0 44 | 7 3 | 1 47 | 2 54 | 14 26 | 21 27 | 21 13 | 16 22 | 5 20 | 5 56 | | S 16 |
| S 17 | 19 54 | 5 25 | 5 5 | 10 49 | 1 12 | 19 49 | 3 0 | 22 44 | 0 1 | 23 17 | 0 6 | 5 29 | 2 35 | 6 46 | 0 44 | 7 3 | 1 47 | 2 54 | 14 26 | 21 25 | 21 12 | 16 24 | 5 21 | 5 56 | | S 17 |
| M18 | 19 41 | 0 44 | 5 1 | 10 18 | 1 24 | 19 58 | 2 57 | 22 49 | 0 2 | 23 17 | 0 6 | 5 29 | 2 35 | 6 45 | 0 44 | 7 3 | 1 47 | 2 54 | 14 26 | 21 24 | 21 12 | 16 25 | 5 21 | 5 56 | | M18 |
| T 19 | 19 28 | 3s53 | 4 42 | 9 48 | 1 35 | 20 7 | 2 54 | 22 54 | 0 3 | 23 17 | 0 6 | 5 29 | 2 35 | 6 44 | 0 44 | 7 3 | 1 47 | 2 54 | 14 27 | 21 23 | 21 11 | 16 27 | 5 22 | 5 56 | | T 19 |
| W20 | 19 14 | 8 15 | 4 10 | 9 19 | 1 47 | 20 15 | 2 51 | 22 58 | 0 4 | 23 17 | 0 5 | 5 29 | 2 35 | 6 43 | 0 44 | 7 3 | 1 47 | 2 54 | 14 27 | 21 22 | 21 10 | 16 28 | 5 23 | 5 57 | | W20 |
| T 21 | 19 0 | 12 14 | 3 28 | 8 51 | 1 58 | 20 23 | 2 48 | 23 3 | 0 5 | 23 17 | 0 5 | 5 29 | 2 36 | 6 42 | 0 44 | 7 2 | 1 47 | 2 54 | 14 27 | 21 21 | 21 10 | 16 30 | 5 24 | 5 57 | | T 21 |
| F 22 | 18 46 | 15 41 | 2 38 | 8 24 | 2 10 | 20 30 | 2 45 | 23 7 | 0 5 | 23 17 | 0 5 | 5 28 | 2 36 | 6 40 | 0 44 | 7 2 | 1 47 | 2 54 | 14 27 | 21 21 | 21 9 | 16 31 | 5 24 | 5 57 | | F 22 |
| S 23 | 18 31 | 18 30 | 1 40 | 7 58 | 2 22 | 20 37 | 2 42 | 23 11 | 0 6 | 23 16 | 0 5 | 5 28 | 2 36 | 6 39 | 0 44 | 7 2 | 1 47 | 2 53 | 14 28 | 21 21 | 21 9 | 16 32 | 5 25 | 5 57 | | S 23 |
| S 24 | 18 17 | 20 33 | 0 39 | 7 34 | 2 34 | 20 44 | 2 38 | 23 15 | 0 7 | 23 16 | 0 5 | 5 28 | 2 36 | 6 38 | 0 44 | 7 2 | 1 47 | 2 53 | 14 28 | 21 21 | 21 8 | 16 34 | 5 26 | 5 57 | | S 24 |
| M25 | 18 2 | 21 42 | 0n26 | 7 11 | 2 45 | 20 50 | 2 35 | 23 19 | 0 8 | 23 16 | 0 5 | 5 28 | 2 37 | 6 37 | 0 44 | 7 2 | 1 47 | 2 53 | 14 28 | 21 22 | 21 8 | 16 35 | 5 27 | 5 57 | | M25 |
| T 26 | 17 46 | 21 50 | 1 30 | 6 49 | 2 57 | 20 55 | 2 32 | 23 22 | 0 9 | 23 16 | 0 4 | 5 28 | 2 37 | 6 35 | 0 44 | 7 2 | 1 47 | 2 53 | 14 28 | 21 21 | 21 7 | 16 37 | 5 28 | 5 57 | | T 26 |
| W27 | 17 31 | 20 54 | 2 31 | 6 30 | 3 8 | 21 1 | 2 28 | 23 26 | 0 10 | 23 16 | 0 4 | 5 27 | 2 37 | 6 34 | 0 44 | 7 2 | 1 47 | 2 53 | 14 29 | 21 21 | 21 6 | 16 38 | 5 29 | 5 57 | | W27 |
| T 28 | 17 15 | 18 52 | 3 26 | 6 12 | 3 19 | 21 6 | 2 25 | 23 29 | 0 10 | 23 16 | 0 4 | 5 27 | 2 38 | 6 33 | 0 44 | 7 2 | 1 47 | 2 53 | 14 29 | 21 20 | 21 6 | 16 39 | 5 29 | 5 57 | | T 28 |
| F 29 | 16 58 | 15 49 | 4 11 | 5 56 | 3 30 | 21 10 | 2 21 | 23 32 | 0 11 | 23 16 | 0 4 | 5 27 | 2 38 | 6 31 | 0 44 | 7 1 | 1 47 | 2 52 | 14 29 | 21 18 | 21 5 | 16 41 | 5 30 | 5 57 | | F 29 |
| S 30 | 16 42 | 11 52 | 4 44 | 5 43 | 3 40 | 21 14 | 2 17 | 23 35 | 0 12 | 23 16 | 0 4 | 5 26 | 2 38 | 6 30 | 0 44 | 7 1 | 1 48 | 2 52 | 14 30 | 21 16 | 21 5 | 16 42 | 5 31 | 5 57 | | S 30 |
| S 31 | 16n25 | 7s13 | 5n 0 | 5n32 | 3s50 | 21n17 | 2s14 | 23n37 | 0n13 | 23s16 | 0n 4 | 5n26 | 2s38 | 6n29 | 0n44 | 7n 1 | 1s48 | 2n52 | 14s30 | 21s14 | 21s 4 | 16s44 | 5s32 | 5n57 | | S 31 |

Julian Day Number = 2224918.5, Delta T = 08m25s
Ecliptic obliquity = 23°31'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'05, Lahiri = 15°12'06 Julian Calendar 1 July 1379 == Greg. Calendar 9 July 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## AUGUST 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 8 54 | 15♌52'26 | 12♓53 | 6°R41 | 2♋ 9 | 25♊10 | 23°R 2 | 20°R 4 | 15♍22 | 22°R13 | 16♉21 | 5°R 2 | 4♐13 | 9♏31 | 1°R 5 | M 1 |
| T 2 | 21 12 51 | 16°50'08 | 27° 5 | 6♍35 | 3°14 | 25°49 | 23♐ 0 | 20♈ 3 | 15°26 | 22♈12 | 16°21 | 4♐53 | 4°10 | 9°38 | 1♓ 2 | T 2 |
| W 3 | 21 16 47 | 17°47'53 | 11♈21 | 6°24 | 4°20 | 26°28 | 22°58 | 20° 2 | 15°29 | 22°12 | 16°21 | 4°46 | 4° 6 | 9°44 | 1° 0 | W 3 |
| T 4 | 21 20 44 | 18°45'38 | 25°37 | 6° 6 | 5°26 | 27° 6 | 22°57 | 20° 1 | 15°33 | 22°11 | 16°21 | 4°42 | 4° 3 | 9°51 | 0°57 | T 4 |
| F 5 | 21 24 40 | 19°43'26 | 9♉50 | 5°43 | 6°32 | 27°45 | 22°55 | 20° 0 | 15°36 | 22°11 | 16°21 | 4°40 | 4° 0 | 9°58 | 0°54 | F 5 |
| S 6 | 21 28 37 | 20°41'16 | 23°57 | 5°15 | 7°38 | 28°24 | 22°54 | 19°59 | 15°40 | 22°10 | 16°21 | 4°D40 | 3°57 | 10° 4 | 0°51 | S 6 |
| S 7 | 21 32 34 | 21°39'07 | 7♊59 | 4°41 | 8°44 | 29° 2 | 22°53 | 19°58 | 15°43 | 22°10 | 16°21 | 4°R40 | 3°54 | 10°11 | 0°48 | S 7 |
| M 8 | 21 36 30 | 22°37'00 | 21°54 | 4° 1 | 9°51 | 29°41 | 22°52 | 19°56 | 15°47 | 22° 9 | 16°21 | 4°39 | 3°51 | 10°18 | 0°45 | M 8 |
| T 9 | 21 40 27 | 23°34'55 | 5♋42 | 3°17 | 10°58 | 0♋19 | 22°51 | 19°55 | 15°50 | 22° 8 | 16°R21 | 4°36 | 3°47 | 10°24 | 0°42 | T 9 |
| W10 | 21 44 23 | 24°32'52 | 19°22 | 2°29 | 12° 5 | 0°58 | 22°51 | 19°53 | 15°54 | 22° 8 | 16°21 | 4°31 | 3°44 | 10°31 | 0°40 | W10 |
| T 11 | 21 48 20 | 25°30'51 | 2♌52 | 1°38 | 13°12 | 1°36 | 22°51 | 19°51 | 15°57 | 22° 7 | 16°21 | 4°22 | 3°41 | 10°38 | 0°37 | T 11 |
| F 12 | 21 52 16 | 26°28'51 | 16°11 | 0°43 | 14°19 | 2°14 | 22°D50 | 19°50 | 16° 1 | 22° 6 | 16°21 | 4°11 | 3°38 | 10°44 | 0°34 | F 12 |
| S 13 | 21 56 13 | 27°26'53 | 29°16 | 29♌47 | 15°27 | 2°52 | 22°51 | 19°48 | 16° 5 | 22° 5 | 16°21 | 3°58 | 3°35 | 10°51 | 0°31 | S 13 |
| S 14 | 22 0 9 | 28°24'56 | 12♍ 6 | 28°51 | 16°34 | 3°30 | 22°51 | 19°46 | 16° 8 | 22° 4 | 16°21 | 3°45 | 3°31 | 10°58 | 0°28 | S 14 |
| M15 | 22 4 6 | 29°23'02 | 24°41 | 27°55 | 17°42 | 4° 8 | 22°51 | 19°44 | 16°12 | 22° 4 | 16°21 | 3°33 | 3°28 | 11° 4 | 0°25 | M15 |
| T 16 | 22 8 3 | 0♍21'08 | 7♎ 0 | 27° 2 | 18°50 | 4°46 | 22°52 | 19°41 | 16°15 | 22° 3 | 16°21 | 3°23 | 3°25 | 11°11 | 0°22 | T 16 |
| W17 | 22 11 59 | 1°19'16 | 19° 6 | 26°11 | 19°58 | 5°23 | 22°53 | 19°39 | 16°19 | 22° 2 | 16°21 | 3°15 | 3°22 | 11°17 | 0°19 | W17 |
| T 18 | 22 15 56 | 2°17'26 | 1♏ 2 | 25°25 | 21° 6 | 6° 1 | 22°54 | 19°37 | 16°23 | 22° 1 | 16°21 | 3° 9 | 3°19 | 11°24 | 0°16 | T 18 |
| F 19 | 22 19 52 | 3°15'37 | 12°52 | 24°44 | 22°15 | 6°39 | 22°55 | 19°34 | 16°27 | 22° 0 | 16°20 | 3° 6 | 3°16 | 11°31 | 0°13 | F 19 |
| S 20 | 22 23 49 | 4°13'50 | 24°40 | 24° 9 | 23°23 | 7°16 | 22°57 | 19°32 | 16°30 | 21°59 | 16°20 | 3° 5 | 3°12 | 11°37 | 0°11 | S 20 |
| S 21 | 22 27 45 | 5°12'05 | 6♐31 | 23°42 | 24°32 | 7°53 | 22°58 | 19°29 | 16°34 | 21°58 | 16°20 | 3° 5 | 3° 9 | 11°44 | 0° 8 | S 21 |
| M22 | 22 31 42 | 6°10'21 | 18°32 | 23°22 | 25°41 | 8°31 | 23° 0 | 19°26 | 16°38 | 21°57 | 16°20 | 3° 5 | 3° 6 | 11°51 | 0° 5 | M22 |
| T 23 | 22 35 38 | 7° 8'38 | 0♑47 | 23°11 | 26°50 | 9° 8 | 23° 2 | 19°24 | 16°41 | 21°56 | 16°19 | 3° 3 | 3° 3 | 11°57 | 0° 2 | T 23 |
| W24 | 22 39 35 | 8° 6'57 | 13°21 | 23°D 9 | 27°59 | 9°45 | 23° 4 | 19°21 | 16°45 | 21°55 | 16°19 | 3° 0 | 3° 0 | 12° 4 | 29♒59 | W24 |
| T 25 | 22 43 32 | 9° 5'18 | 26°19 | 23°16 | 29° 8 | 10°22 | 23° 7 | 19°18 | 16°49 | 21°54 | 16°19 | 2°53 | 2°57 | 12°11 | 29°56 | T 25 |
| F 26 | 22 47 28 | 10° 3'41 | 9♒42 | 23°32 | 0♌18 | 10°59 | 23° 9 | 19°15 | 16°53 | 21°53 | 16°18 | 2°45 | 2°53 | 12°17 | 29°53 | F 26 |
| S 27 | 22 51 25 | 11° 2'05 | 23°30 | 23°58 | 1°27 | 11°35 | 23°12 | 19°11 | 16°56 | 21°51 | 16°18 | 2°34 | 2°50 | 12°24 | 29°50 | S 27 |
| S 28 | 22 55 21 | 12° 0'30 | 7♓40 | 24°32 | 2°37 | 12°12 | 23°15 | 19° 8 | 17° 0 | 21°50 | 16°18 | 2°22 | 2°47 | 12°31 | 29°48 | S 28 |
| M29 | 22 59 18 | 12°58'58 | 22° 8 | 25°14 | 3°47 | 12°49 | 23°18 | 19° 5 | 17° 4 | 21°49 | 16°17 | 2°11 | 2°44 | 12°37 | 29°45 | M29 |
| T 30 | 23 3 14 | 13°57'28 | 6♈46 | 26° 5 | 4°57 | 13°25 | 23°21 | 19° 1 | 17° 8 | 21°48 | 16°17 | 2° 1 | 2°41 | 12°44 | 29°42 | T 30 |
| W31 | 23 7 11 | 14♍55'59 | 21♈27 | 27♌ 4 | 6♌ 7 | 14♋ 1 | 23♐25 | 18♈58 | 17♍12 | 21♈46 | 16♉16 | 1♐54 | 2♐37 | 12♏51 | 29♒39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n 8 | 2s 8 | 4n59 | 5n23 | 3s59 | 21n20 | 2s10 | 23n40 | 0n14 | 23s16 | 0n 4 | 5n25 | 2s39 | 6n27 | 0n44 | 7n 1 | 1s48 | 2n52 | 14s30 | 21s12 | 21s 3 | 16s45 | 5s33 | 5n58 |
| T 2 | 15 51 | 3n 7 | 4 40 | 5 18 | 4 7 | 21 23 | 2 6 | 23 42 | 0 15 | 23 17 | 0 3 | 5 25 | 2 39 | 6 26 | 0 44 | 7 1 | 1 48 | 2 52 | 14 30 | 21 11 | 21 3 | 16 46 | 5 34 | 5 58 |
| W 3 | 15 33 | 8 14 | 4 3 | 5 15 | 4 15 | 21 24 | 2 2 | 23 44 | 0 15 | 23 17 | 0 3 | 5 24 | 2 39 | 6 25 | 0 44 | 7 0 | 1 48 | 2 51 | 14 31 | 21 10 | 21 2 | 16 48 | 5 35 | 5 58 |
| T 4 | 15 15 | 12 54 | 3 11 | 5 15 | 4 22 | 21 26 | 1 59 | 23 46 | 0 16 | 23 17 | 0 3 | 5 23 | 2 39 | 6 23 | 0 44 | 7 0 | 1 48 | 2 51 | 14 31 | 21 9 | 21 2 | 16 49 | 5 36 | 5 58 |
| F 5 | 14 57 | 16 50 | 2 8 | 5 18 | 4 27 | 21 27 | 1 55 | 23 47 | 0 17 | 23 17 | 0 3 | 5 23 | 2 40 | 6 22 | 0 44 | 7 0 | 1 48 | 2 51 | 14 31 | 21 9 | 21 1 | 16 51 | 5 37 | 5 58 |
| S 6 | 14 39 | 19 44 | 0 57 | 5 24 | 4 32 | 21 27 | 1 51 | 23 49 | 0 18 | 23 17 | 0 3 | 5 22 | 2 40 | 6 21 | 0 44 | 7 0 | 1 48 | 2 51 | 14 31 | 21 8 | 21 1 | 16 52 | 5 38 | 5 58 |
| S 7 | 14 20 | 21 25 | 0s18 | 5 34 | 4 34 | 21 27 | 1 47 | 23 50 | 0 19 | 23 17 | 0 3 | 5 21 | 2 40 | 6 19 | 0 44 | 6 59 | 1 48 | 2 50 | 14 32 | 21 8 | 21 0 | 16 53 | 5 39 | 5 58 |
| M 8 | 14 1 | 21 46 | 1 30 | 5 47 | 4 36 | 21 26 | 1 43 | 23 51 | 0 20 | 23 17 | 0 3 | 5 21 | 2 41 | 6 18 | 0 44 | 6 59 | 1 48 | 2 50 | 14 32 | 21 8 | 20 59 | 16 55 | 5 40 | 5 58 |
| T 9 | 13 42 | 20 47 | 2 36 | 6 3 | 4 35 | 21 25 | 1 39 | 23 52 | 0 21 | 23 17 | 0 2 | 5 20 | 2 41 | 6 17 | 0 44 | 6 59 | 1 48 | 2 50 | 14 32 | 21 8 | 20 59 | 16 56 | 5 41 | 5 58 |
| W10 | 13 23 | 18 36 | 3 33 | 6 22 | 4 33 | 21 23 | 1 35 | 23 52 | 0 21 | 23 17 | 0 2 | 5 19 | 2 41 | 6 15 | 0 44 | 6 58 | 1 48 | 2 50 | 14 33 | 21 7 | 20 58 | 16 57 | 5 42 | 5 58 |
| T 11 | 13 3 | 15 25 | 4 17 | 6 44 | 4 29 | 21 21 | 1 31 | 23 53 | 0 22 | 23 17 | 0 2 | 5 18 | 2 41 | 6 14 | 0 44 | 6 58 | 1 48 | 2 49 | 14 33 | 21 5 | 20 58 | 16 59 | 5 43 | 5 58 |
| F 12 | 12 44 | 11 29 | 4 46 | 7 9 | 4 23 | 21 18 | 1 28 | 23 53 | 0 23 | 23 17 | 0 2 | 5 17 | 2 42 | 6 12 | 0 44 | 6 58 | 1 48 | 2 49 | 14 33 | 21 3 | 20 57 | 17 0 | 5 44 | 5 58 |
| S 13 | 12 24 | 7 5 | 4 59 | 7 36 | 4 15 | 21 14 | 1 24 | 23 53 | 0 24 | 23 18 | 0 2 | 5 16 | 2 42 | 6 11 | 0 44 | 6 57 | 1 48 | 2 49 | 14 33 | 21 1 | 20 56 | 17 1 | 5 45 | 5 58 |
| S 14 | 12 4 | 2 28 | 4 57 | 8 4 | 4 6 | 21 10 | 1 20 | 23 53 | 0 25 | 23 18 | 0 2 | 5 15 | 2 42 | 6 9 | 0 44 | 6 57 | 1 48 | 2 48 | 14 34 | 20 58 | 20 56 | 17 3 | 5 46 | 5 58 |
| M15 | 11 44 | 2s10 | 4 41 | 8 34 | 3 54 | 21 6 | 1 16 | 23 53 | 0 26 | 23 18 | 0 2 | 5 14 | 2 42 | 6 8 | 0 44 | 6 57 | 1 48 | 2 48 | 14 34 | 20 56 | 20 55 | 17 4 | 5 47 | 5 57 |
| T 16 | 11 23 | 6 38 | 4 11 | 9 5 | 3 41 | 21 0 | 1 12 | 23 53 | 0 27 | 23 18 | 0 2 | 5 13 | 2 43 | 6 7 | 0 44 | 6 56 | 1 48 | 2 48 | 14 34 | 20 54 | 20 54 | 17 5 | 5 48 | 5 57 |
| W17 | 11 2 | 10 45 | 3 30 | 9 36 | 3 26 | 20 55 | 1 8 | 23 52 | 0 28 | 23 18 | 0 1 | 5 12 | 2 43 | 6 5 | 0 44 | 6 56 | 1 49 | 2 48 | 14 34 | 20 52 | 20 54 | 17 7 | 5 49 | 5 57 |
| T 18 | 10 42 | 14 23 | 2 41 | 10 7 | 3 10 | 20 48 | 1 4 | 23 51 | 0 29 | 23 18 | 0 1 | 5 11 | 2 43 | 6 4 | 0 44 | 6 55 | 1 49 | 2 47 | 14 35 | 20 51 | 20 53 | 17 8 | 5 50 | 5 57 |
| F 19 | 10 21 | 17 25 | 1 45 | 10 37 | 2 52 | 20 42 | 1 0 | 23 51 | 0 30 | 23 19 | 0 1 | 5 10 | 2 43 | 6 2 | 0 44 | 6 55 | 1 49 | 2 47 | 14 35 | 20 51 | 20 53 | 17 9 | 5 51 | 5 57 |
| S 20 | 9 59 | 19 43 | 0 45 | 11 5 | 2 34 | 20 34 | 0 56 | 23 50 | 0 30 | 23 19 | 0 1 | 5 9 | 2 43 | 6 1 | 0 44 | 6 55 | 1 49 | 2 47 | 14 35 | 20 51 | 20 52 | 17 10 | 5 52 | 5 57 |
| S 21 | 9 38 | 21 10 | 0n18 | 11 32 | 2 15 | 20 26 | 0 52 | 23 48 | 0 31 | 23 19 | 0 1 | 5 7 | 2 44 | 5 59 | 0 44 | 6 54 | 1 49 | 2 46 | 14 35 | 20 51 | 20 51 | 17 12 | 5 53 | 5 57 |
| M22 | 9 17 | 21 41 | 1 21 | 11 57 | 1 56 | 20 18 | 0 48 | 23 47 | 0 32 | 23 19 | 0 1 | 5 6 | 2 44 | 5 58 | 0 44 | 6 54 | 1 49 | 2 46 | 14 36 | 20 51 | 20 51 | 17 13 | 5 55 | 5 57 |
| T 23 | 8 55 | 21 10 | 2 21 | 12 18 | 1 37 | 20 8 | 0 44 | 23 45 | 0 33 | 23 19 | 0 1 | 5 5 | 2 44 | 5 56 | 0 44 | 6 53 | 1 49 | 2 46 | 14 36 | 20 50 | 20 50 | 17 14 | 5 56 | 5 57 |
| W24 | 8 33 | 19 36 | 3 16 | 12 37 | 1 18 | 19 59 | 0 40 | 23 44 | 0 34 | 23 20 | 0 0 | 5 4 | 2 44 | 5 55 | 0 44 | 6 53 | 1 49 | 2 45 | 14 36 | 20 50 | 20 50 | 17 16 | 5 57 | 5 57 |
| T 25 | 8 11 | 16 59 | 4 3 | 12 52 | 0 59 | 19 49 | 0 36 | 23 42 | 0 35 | 23 20 | 0 0 | 5 2 | 2 45 | 5 53 | 0 44 | 6 52 | 1 49 | 2 45 | 14 36 | 20 48 | 20 49 | 17 17 | 5 58 | 5 57 |
| F 26 | 7 49 | 13 25 | 4 37 | 13 4 | 0 41 | 19 38 | 0 32 | 23 40 | 0 36 | 23 20 | 0 0 | 5 1 | 2 45 | 5 52 | 0 44 | 6 52 | 1 49 | 2 45 | 14 37 | 20 47 | 20 48 | 17 18 | 5 59 | 5 57 |
| S 27 | 7 27 | 9 3 | 4 57 | 13 12 | 0 24 | 19 26 | 0 28 | 23 38 | 0 37 | 23 20 | 0 0 | 5 0 | 2 45 | 5 51 | 0 44 | 6 51 | 1 49 | 2 44 | 14 37 | 20 45 | 20 48 | 17 19 | 6 0 | 5 56 |
| S 28 | 7 5 | 4 5 | 5 0 | 13 17 | 0 7 | 19 14 | 0 25 | 23 35 | 0 38 | 23 21 | 0s 0 | 4 58 | 2 45 | 5 49 | 0 44 | 6 51 | 1 49 | 2 44 | 14 37 | 20 42 | 20 47 | 17 21 | 6 1 | 5 56 |
| M29 | 6 42 | 1n12 | 4 43 | 13 17 | 0n 9 | 19 2 | 0 21 | 23 33 | 0 39 | 23 21 | 0 0 | 4 57 | 2 45 | 5 48 | 0 44 | 6 51 | 1 49 | 2 44 | 14 37 | 20 40 | 20 47 | 17 22 | 6 2 | 5 56 |
| T 30 | 6 20 | 6 29 | 4 8 | 13 14 | 0 24 | 18 49 | 0 17 | 23 30 | 0 40 | 23 21 | 0 0 | 4 55 | 2 46 | 5 46 | 0 44 | 6 50 | 1 49 | 2 43 | 14 38 | 20 38 | 20 46 | 17 23 | 6 3 | 5 56 |
| W31 | 5n57 | 11n25 | 3n16 | 13n 7 | 0n37 | 18n35 | 0s13 | 23n27 | 0n41 | 23s22 | 0s 0 | 4n54 | 2s46 | 5n45 | 0n44 | 6n50 | 1s49 | 2n43 | 14s38 | 20s37 | 20s45 | 17s24 | 6s 4 | 5n56 |

Julian Day Number = 2224949.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'10, Lahiri = 15°12'10 Julian Calendar 1 Aug. 1379 == Greg. Calendar 9 Aug. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## SEPTEMBER 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 11 7 | 15♍54'33 | 6♉ 4 | 28♌10 | 7♌17 | 14♋38 | 23♐28 | 18°R54 | 17♍15 | 21°R45 | 16°R16 | 1°R49 | 2♐34 | 12♏57 | 29°R36 | T 1 |
| F 2 | 23 15 4 | 16°53'09 | 20°32 | 29°22 | 8°27 | 15°14 | 23°32 | 18♈51 | 17°19 | 21♈44 | 16♉15 | 1♐47 | 2°31 | 13° 4 | 29♒34 | F 2 |
| S 3 | 23 19 1 | 17°51'48 | 4♊47 | 0♍40 | 9°37 | 15°50 | 23°36 | 18°47 | 17°23 | 21°43 | 16°15 | 1°D47 | 2°28 | 13°11 | 29°31 | S 3 |
| S 4 | 23 22 57 | 18°50'29 | 18°48 | 2° 4 | 10°48 | 16°26 | 23°40 | 18°43 | 17°27 | 21°41 | 16°14 | 1°R47 | 2°25 | 13°17 | 29°28 | S 4 |
| M 5 | 23 26 54 | 19°49'12 | 2♋36 | 3°33 | 11°59 | 17° 2 | 23°44 | 18°40 | 17°30 | 21°40 | 16°14 | 1°47 | 2°22 | 13°24 | 29°26 | M 5 |
| T 6 | 23 30 50 | 20°47'57 | 16° 9 | 5° 5 | 13° 9 | 17°37 | 23°49 | 18°36 | 17°34 | 21°39 | 16°13 | 1°44 | 2°18 | 13°31 | 29°23 | T 6 |
| W 7 | 23 34 47 | 21°46'45 | 29°30 | 6°41 | 14°20 | 18°13 | 23°54 | 18°32 | 17°38 | 21°37 | 16°13 | 1°39 | 2°15 | 13°37 | 29°20 | W 7 |
| T 8 | 23 38 43 | 22°45'35 | 12♌38 | 8°20 | 15°31 | 18°49 | 23°58 | 18°28 | 17°42 | 21°36 | 16°12 | 1°31 | 2°12 | 13°44 | 29°18 | T 8 |
| F 9 | 23 42 40 | 23°44'27 | 25°35 | 10° 2 | 16°42 | 19°24 | 24° 3 | 18°24 | 17°46 | 21°34 | 16°11 | 1°21 | 2° 9 | 13°51 | 29°15 | F 9 |
| S 10 | 23 46 36 | 24°43'21 | 8♍19 | 11°45 | 17°54 | 19°59 | 24° 9 | 18°19 | 17°49 | 21°33 | 16°11 | 1°10 | 2° 6 | 13°57 | 29°13 | S 10 |
| S 11 | 23 50 33 | 25°42'17 | 20°52 | 13°30 | 19° 5 | 20°34 | 24°14 | 18°15 | 17°53 | 21°31 | 16°10 | 0°58 | 2° 3 | 14° 4 | 29°10 | S 11 |
| M12 | 23 54 29 | 26°41'15 | 3♎13 | 15°16 | 20°16 | 21°10 | 24°19 | 18°11 | 17°57 | 21°30 | 16° 9 | 0°46 | 1°59 | 14°10 | 29° 8 | M12 |
| T 13 | 23 58 26 | 27°40'16 | 15°23 | 17° 4 | 21°28 | 21°44 | 24°25 | 18° 7 | 18° 1 | 21°28 | 16° 9 | 0°36 | 1°56 | 14°17 | 29° 5 | T 13 |
| W14 | 0 2 23 | 28°39'18 | 27°23 | 18°51 | 22°40 | 22°19 | 24°31 | 18° 2 | 18° 4 | 21°27 | 16° 8 | 0°29 | 1°53 | 14°24 | 29° 3 | W14 |
| T 15 | 0 6 19 | 29°38'22 | 9♏14 | 20°39 | 23°51 | 22°54 | 24°37 | 17°58 | 18° 8 | 21°25 | 16° 7 | 0°24 | 1°50 | 14°30 | 29° 0 | T 15 |
| F 16 | 0 10 16 | 0♎37'29 | 21° 2 | 22°27 | 25° 3 | 23°29 | 24°43 | 17°53 | 18°12 | 21°24 | 16° 7 | 0°22 | 1°47 | 14°37 | 28°58 | F 16 |
| S 17 | 0 14 12 | 1°36'37 | 2♐48 | 24°15 | 26°15 | 24° 3 | 24°49 | 17°49 | 18°15 | 21°22 | 16° 6 | 0°D21 | 1°43 | 14°44 | 28°56 | S 17 |
| S 18 | 0 18 9 | 2°35'47 | 14°38 | 26° 3 | 27°27 | 24°37 | 24°56 | 17°44 | 18°19 | 21°21 | 16° 5 | 0°22 | 1°40 | 14°50 | 28°53 | S 18 |
| M19 | 0 22 5 | 3°34'59 | 26°36 | 27°50 | 28°39 | 25°12 | 25° 2 | 17°40 | 18°23 | 21°19 | 16° 4 | 0°23 | 1°37 | 14°57 | 28°51 | M19 |
| T 20 | 0 26 2 | 4°34'12 | 8♑49 | 29°37 | 29°51 | 25°46 | 25° 9 | 17°35 | 18°27 | 21°18 | 16° 4 | 0°R23 | 1°34 | 15° 4 | 28°49 | T 20 |
| W21 | 0 29 58 | 5°33'28 | 21°21 | 1♎23 | 1♍ 4 | 26°19 | 25°16 | 17°31 | 18°30 | 21°16 | 16° 3 | 0°21 | 1°31 | 15°10 | 28°47 | W21 |
| T 22 | 0 33 55 | 6°32'45 | 4♒17 | 3° 9 | 2°16 | 26°53 | 25°23 | 17°26 | 18°34 | 21°14 | 16° 2 | 0°18 | 1°28 | 15°17 | 28°45 | T 22 |
| F 23 | 0 37 52 | 7°32'04 | 17°40 | 4°55 | 3°28 | 27°27 | 25°30 | 17°21 | 18°37 | 21°13 | 16° 1 | 0°12 | 1°24 | 15°24 | 28°43 | F 23 |
| S 24 | 0 41 48 | 8°31'25 | 1♓32 | 6°39 | 4°41 | 28° 0 | 25°38 | 17°17 | 18°41 | 21°11 | 16° 0 | 0° 5 | 1°21 | 15°30 | 28°41 | S 24 |
| S 25 | 0 45 45 | 9°30'47 | 15°50 | 8°23 | 5°53 | 28°34 | 25°45 | 17°12 | 18°45 | 21° 9 | 15°59 | 29♏57 | 1°18 | 15°37 | 28°39 | S 25 |
| M26 | 0 49 41 | 10°30'12 | 0♈32 | 10° 7 | 7° 6 | 29° 7 | 25°53 | 17° 7 | 18°48 | 21° 8 | 15°58 | 29°49 | 1°15 | 15°44 | 28°37 | M26 |
| T 27 | 0 53 38 | 11°29'38 | 15°28 | 11°49 | 8°19 | 29°40 | 26° 1 | 17° 2 | 18°52 | 21° 6 | 15°58 | 29°42 | 1°12 | 15°50 | 28°35 | T 27 |
| W28 | 0 57 34 | 12°29'07 | 0♉32 | 13°31 | 9°32 | 0♌13 | 26° 9 | 16°58 | 18°55 | 21° 4 | 15°57 | 29°37 | 1° 8 | 15°57 | 28°33 | W28 |
| T 29 | 1 1 31 | 13°28'38 | 15°32 | 15°12 | 10°45 | 0°46 | 26°17 | 16°53 | 18°59 | 21° 3 | 15°56 | 29°34 | 1° 5 | 16° 4 | 28°31 | T 29 |
| F 30 | 1 5 27 | 14♎28'11 | 0♊21 | 16♎53 | 11♍58 | 1♌19 | 26♐25 | 16♈48 | 19♍ 2 | 21♈ 1 | 15♉55 | 29°D34 | 1♐ 2 | 16♏10 | 28♒29 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n35 | 15n40 | 2n12 | 12n56 | 0n50 | 18n21 | 0s10 | 23n24 | 0n42 | 23s22 | 0s 0 | 4n52 | 2s46 | 5n43 | 0n44 | 6n49 | 1s49 | 2n43 | 14s38 | 20s36 | 20s45 | 17s26 | 6s 5 | 5n56 |
| F 2 | 5 12 | 18 54 | 0 59 | 12 41 | 1 1 | 18 7 | 0 6 | 23 21 | 0 43 | 23 22 | 0 1 | 4 51 | 2 46 | 5 42 | 0 44 | 6 48 | 1 49 | 2 42 | 14 38 | 20 35 | 20 44 | 17 27 | 6 7 | 5 56 |
| S 3 | 4 49 | 20 54 | 0s16 | 12 23 | 1 11 | 17 52 | 0 2 | 23 18 | 0 44 | 23 23 | 0 1 | 4 49 | 2 46 | 5 40 | 0 44 | 6 48 | 1 49 | 2 42 | 14 39 | 20 35 | 20 43 | 17 28 | 6 8 | 5 55 |
| S 4 | 4 26 | 21 34 | 1 29 | 12 1 | 1 20 | 17 36 | 0n 1 | 23 15 | 0 45 | 23 23 | 0 1 | 4 48 | 2 46 | 5 39 | 0 44 | 6 47 | 1 49 | 2 41 | 14 39 | 20 35 | 20 43 | 17 29 | 6 9 | 5 55 |
| M 5 | 4 3 | 20 54 | 2 36 | 11 36 | 1 28 | 17 20 | 0 5 | 23 11 | 0 46 | 23 23 | 0 1 | 4 46 | 2 47 | 5 37 | 0 44 | 6 47 | 1 49 | 2 41 | 14 39 | 20 35 | 20 42 | 17 31 | 6 10 | 5 55 |
| T 6 | 3 39 | 19 1 | 3 33 | 11 8 | 1 34 | 17 3 | 0 8 | 23 7 | 0 47 | 23 24 | 0 1 | 4 44 | 2 47 | 5 36 | 0 44 | 6 46 | 1 49 | 2 41 | 14 39 | 20 35 | 20 41 | 17 32 | 6 11 | 5 55 |
| W 7 | 3 16 | 16 8 | 4 17 | 10 38 | 1 40 | 16 46 | 0 12 | 23 4 | 0 48 | 23 24 | 0 1 | 4 43 | 2 47 | 5 34 | 0 44 | 6 46 | 1 49 | 2 40 | 14 40 | 20 34 | 20 41 | 17 33 | 6 12 | 5 55 |
| T 8 | 2 53 | 12 29 | 4 47 | 10 5 | 1 44 | 16 28 | 0 15 | 23 0 | 0 49 | 23 24 | 0 1 | 4 41 | 2 47 | 5 33 | 0 44 | 6 45 | 1 49 | 2 40 | 14 40 | 20 32 | 20 40 | 17 34 | 6 13 | 5 54 |
| F 9 | 2 30 | 8 19 | 5 1 | 9 30 | 1 48 | 16 10 | 0 18 | 22 56 | 0 50 | 23 25 | 0 1 | 4 39 | 2 47 | 5 31 | 0 44 | 6 45 | 1 50 | 2 40 | 14 40 | 20 30 | 20 40 | 17 35 | 6 14 | 5 54 |
| S 10 | 2 6 | 3 50 | 5 0 | 8 53 | 1 50 | 15 52 | 0 22 | 22 52 | 0 51 | 23 25 | 0 2 | 4 38 | 2 47 | 5 30 | 0 44 | 6 44 | 1 50 | 2 39 | 14 40 | 20 28 | 20 39 | 17 37 | 6 15 | 5 54 |
| S 11 | 1 43 | 0s44 | 4 45 | 8 14 | 1 52 | 15 33 | 0 25 | 22 47 | 0 52 | 23 25 | 0 2 | 4 36 | 2 47 | 5 28 | 0 44 | 6 44 | 1 50 | 2 39 | 14 40 | 20 25 | 20 38 | 17 38 | 6 16 | 5 54 |
| M12 | 1 19 | 5 12 | 4 16 | 7 33 | 1 53 | 15 13 | 0 28 | 22 43 | 0 53 | 23 26 | 0 2 | 4 34 | 2 48 | 5 27 | 0 44 | 6 43 | 1 50 | 2 38 | 14 41 | 20 23 | 20 38 | 17 39 | 6 17 | 5 54 |
| T 13 | 0 56 | 9 24 | 3 36 | 6 51 | 1 53 | 14 53 | 0 31 | 22 38 | 0 54 | 23 26 | 0 2 | 4 33 | 2 48 | 5 25 | 0 44 | 6 42 | 1 50 | 2 38 | 14 41 | 20 21 | 20 37 | 17 40 | 6 18 | 5 53 |
| W14 | 0 32 | 13 10 | 2 47 | 6 8 | 1 52 | 14 33 | 0 34 | 22 34 | 0 55 | 23 26 | 0 2 | 4 31 | 2 48 | 5 24 | 0 44 | 6 42 | 1 50 | 2 38 | 14 41 | 20 19 | 20 36 | 17 41 | 6 19 | 5 53 |
| T 15 | 0 9 | 16 22 | 1 51 | 5 25 | 1 51 | 14 12 | 0 37 | 22 29 | 0 56 | 23 27 | 0 2 | 4 29 | 2 48 | 5 23 | 0 44 | 6 41 | 1 50 | 2 37 | 14 41 | 20 18 | 20 36 | 17 43 | 6 21 | 5 53 |
| F 16 | 0s15 | 18 52 | 0 50 | 4 40 | 1 49 | 13 51 | 0 40 | 22 24 | 0 57 | 23 27 | 0 2 | 4 27 | 2 48 | 5 21 | 0 44 | 6 41 | 1 50 | 2 37 | 14 41 | 20 18 | 20 35 | 17 44 | 6 22 | 5 53 |
| S 17 | 0 39 | 20 34 | 0n13 | 3 55 | 1 46 | 13 29 | 0 43 | 22 19 | 0 58 | 23 27 | 0 2 | 4 25 | 2 48 | 5 20 | 0 44 | 6 40 | 1 50 | 2 37 | 14 42 | 20 18 | 20 34 | 17 45 | 6 23 | 5 52 |
| S 18 | 1 2 | 21 22 | 1 16 | 3 9 | 1 43 | 13 7 | 0 46 | 22 14 | 0 59 | 23 28 | 0 2 | 4 24 | 2 48 | 5 18 | 0 44 | 6 39 | 1 50 | 2 36 | 14 42 | 20 18 | 20 34 | 17 46 | 6 24 | 5 52 |
| M19 | 1 26 | 21 12 | 2 16 | 2 23 | 1 39 | 12 45 | 0 49 | 22 9 | 1 0 | 23 28 | 0 3 | 4 22 | 2 48 | 5 17 | 0 44 | 6 39 | 1 50 | 2 36 | 14 42 | 20 18 | 20 33 | 17 47 | 6 25 | 5 52 |
| T 20 | 1 49 | 20 2 | 3 12 | 1 37 | 1 36 | 12 22 | 0 52 | 22 4 | 1 1 | 23 28 | 0 3 | 4 20 | 2 48 | 5 15 | 0 44 | 6 38 | 1 50 | 2 35 | 14 42 | 20 18 | 20 33 | 17 48 | 6 26 | 5 52 |
| W21 | 2 13 | 17 53 | 3 59 | 0 50 | 1 31 | 11 59 | 0 54 | 21 58 | 1 2 | 23 29 | 0 3 | 4 18 | 2 48 | 5 14 | 0 44 | 6 38 | 1 50 | 2 35 | 14 42 | 20 18 | 20 32 | 17 50 | 6 27 | 5 51 |
| T 22 | 2 36 | 14 46 | 4 36 | 0 4 | 1 27 | 11 35 | 0 57 | 21 53 | 1 3 | 23 29 | 0 3 | 4 16 | 2 48 | 5 12 | 0 44 | 6 37 | 1 50 | 2 35 | 14 43 | 20 17 | 20 31 | 17 51 | 6 28 | 5 51 |
| F 23 | 3 0 | 10 49 | 5 0 | 0s43 | 1 22 | 11 11 | 0 59 | 21 47 | 1 4 | 23 30 | 0 3 | 4 14 | 2 49 | 5 11 | 0 44 | 6 36 | 1 50 | 2 34 | 14 43 | 20 16 | 20 31 | 17 52 | 6 29 | 5 51 |
| S 24 | 3 23 | 6 11 | 5 7 | 1 29 | 1 16 | 10 47 | 1 2 | 21 42 | 1 5 | 23 30 | 0 3 | 4 13 | 2 49 | 5 10 | 0 44 | 6 36 | 1 50 | 2 34 | 14 43 | 20 14 | 20 30 | 17 53 | 6 30 | 5 50 |
| S 25 | 3 47 | 1 4 | 4 56 | 2 15 | 1 11 | 10 23 | 1 4 | 21 36 | 1 7 | 23 30 | 0 3 | 4 11 | 2 49 | 5 8 | 0 44 | 6 35 | 1 50 | 2 33 | 14 43 | 20 12 | 20 29 | 17 54 | 6 30 | 5 50 |
| M26 | 4 10 | 4n15 | 4 25 | 3 1 | 1 5 | 9 58 | 1 6 | 21 30 | 1 8 | 23 31 | 0 3 | 4 9 | 2 49 | 5 7 | 0 44 | 6 34 | 1 50 | 2 33 | 14 43 | 20 11 | 20 29 | 17 55 | 6 31 | 5 50 |
| T 27 | 4 34 | 9 25 | 3 35 | 3 47 | 0 59 | 9 32 | 1 9 | 21 24 | 1 9 | 23 31 | 0 3 | 4 7 | 2 49 | 5 5 | 0 44 | 6 34 | 1 50 | 2 33 | 14 43 | 20 9 | 20 28 | 17 56 | 6 32 | 5 50 |
| W28 | 4 57 | 14 2 | 2 30 | 4 32 | 0 53 | 9 7 | 1 11 | 21 19 | 1 10 | 23 31 | 0 3 | 4 5 | 2 49 | 5 4 | 0 44 | 6 33 | 1 50 | 2 32 | 14 44 | 20 8 | 20 27 | 17 58 | 6 33 | 5 49 |
| T 29 | 5 20 | 17 45 | 1 15 | 5 17 | 0 47 | 8 41 | 1 13 | 21 12 | 1 11 | 23 32 | 0 4 | 4 3 | 2 49 | 5 3 | 0 44 | 6 32 | 1 50 | 2 32 | 14 44 | 20 8 | 20 27 | 17 59 | 6 34 | 5 49 |
| F 30 | 5s43 | 20n13 | 0s 4 | 6s 2 | 0n41 | 8n15 | 1n15 | 21n 6 | 1n12 | 23s32 | 0s 4 | 4n 2 | 2s49 | 5n 1 | 0n44 | 6n32 | 1s50 | 2n32 | 14s44 | 20s 7 | 20s26 | 18s 0 | 6s35 | 5n49 |

Julian Day Number = 2224980.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'14, Lahiri = 15°12'14 Julian Calendar 1 Sept. 1379 == Greg. Calendar 9 Sept. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## OCTOBER 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 9 24 | 15♎27'47 | 14♊54 | 18♎33 | 13♍11 | 1♌51 | 26♐33 | 16°R43 | 19♍ 6 | 20°R59 | 15°R54 | 29♏34 | 0♐59 | 16♏17 | 28°R28 | S 1 |
| S 2 | 1 13 21 | 16°27'25 | 29° 6 | 20°12 | 14°24 | 2°23 | 26°42 | 16♈38 | 19° 9 | 20♈58 | 15♉53 | 29°36 | 0°56 | 16°23 | 28♒26 | S 2 |
| M 3 | 1 17 17 | 17°27'05 | 12♋58 | 21°51 | 15°37 | 2°56 | 26°50 | 16°34 | 19°13 | 20°56 | 15°52 | 29°R37 | 0°53 | 16°30 | 28°24 | M 3 |
| T 4 | 1 21 14 | 18°26'47 | 26°28 | 23°29 | 16°50 | 3°28 | 26°59 | 16°29 | 19°16 | 20°54 | 15°51 | 29°36 | 0°49 | 16°37 | 28°23 | T 4 |
| W 5 | 1 25 10 | 19°26'32 | 9♌40 | 25° 6 | 18° 4 | 4° 0 | 27° 8 | 16°24 | 19°20 | 20°53 | 15°50 | 29°34 | 0°46 | 16°43 | 28°21 | W 5 |
| T 6 | 1 29 7 | 20°26'19 | 22°35 | 26°43 | 19°17 | 4°31 | 27°17 | 16°19 | 19°23 | 20°51 | 15°49 | 29°31 | 0°43 | 16°50 | 28°20 | T 6 |
| F 7 | 1 33 3 | 21°26'08 | 5♍15 | 28°19 | 20°31 | 5° 3 | 27°26 | 16°14 | 19°26 | 20°49 | 15°48 | 29°25 | 0°40 | 16°57 | 28°18 | F 7 |
| S 8 | 1 37 0 | 22°26'00 | 17°43 | 29°55 | 21°44 | 5°34 | 27°35 | 16°10 | 19°30 | 20°48 | 15°47 | 29°19 | 0°37 | 17° 3 | 28°17 | S 8 |
| S 9 | 1 40 56 | 23°25'53 | 29°59 | 1♏30 | 22°58 | 6° 6 | 27°45 | 16° 5 | 19°33 | 20°46 | 15°46 | 29°12 | 0°34 | 17°10 | 28°16 | S 9 |
| M10 | 1 44 53 | 24°25'49 | 12♎ 6 | 3° 4 | 24°12 | 6°37 | 27°54 | 16° 0 | 19°36 | 20°44 | 15°45 | 29° 6 | 0°30 | 17°17 | 28°14 | M10 |
| T 11 | 1 48 50 | 25°25'46 | 24° 6 | 4°39 | 25°25 | 7° 7 | 28° 4 | 15°55 | 19°40 | 20°43 | 15°44 | 29° 0 | 0°27 | 17°23 | 28°13 | T 11 |
| W12 | 1 52 46 | 26°25'46 | 5♏59 | 6°12 | 26°39 | 7°38 | 28°13 | 15°51 | 19°43 | 20°41 | 15°43 | 28°56 | 0°24 | 17°30 | 28°12 | W12 |
| T 13 | 1 56 43 | 27°25'48 | 17°47 | 7°45 | 27°53 | 8° 9 | 28°23 | 15°46 | 19°46 | 20°39 | 15°42 | 28°54 | 0°21 | 17°37 | 28°11 | T 13 |
| F 14 | 2 0 39 | 28°25'51 | 29°33 | 9°18 | 29° 7 | 8°39 | 28°33 | 15°41 | 19°49 | 20°38 | 15°41 | 28°D53 | 0°18 | 17°43 | 28°10 | F 14 |
| S 15 | 2 4 36 | 29°25'56 | 11♐20 | 10°50 | 0♎21 | 9° 9 | 28°43 | 15°37 | 19°52 | 20°36 | 15°40 | 28°54 | 0°14 | 17°50 | 28° 9 | S 15 |
| S 16 | 2 8 32 | 0♏26'03 | 23°11 | 12°22 | 1°35 | 9°39 | 28°53 | 15°32 | 19°56 | 20°34 | 15°39 | 28°55 | 0°11 | 17°57 | 28° 8 | S 16 |
| M17 | 2 12 29 | 1°26'12 | 5♑10 | 13°53 | 2°49 | 10° 8 | 29° 4 | 15°28 | 19°59 | 20°33 | 15°37 | 28°57 | 0° 8 | 18° 3 | 28° 7 | M17 |
| T 18 | 2 16 25 | 2°26'22 | 17°22 | 15°24 | 4° 3 | 10°38 | 29°14 | 15°23 | 20° 2 | 20°31 | 15°36 | 28°59 | 0° 5 | 18°10 | 28° 6 | T 18 |
| W19 | 2 20 22 | 3°26'34 | 29°50 | 16°54 | 5°17 | 11° 7 | 29°24 | 15°19 | 20° 5 | 20°29 | 15°35 | 29°R 0 | 0° 2 | 18°16 | 28° 5 | W19 |
| T 20 | 2 24 19 | 4°26'47 | 12♒41 | 18°24 | 6°31 | 11°36 | 29°35 | 15°14 | 20° 8 | 20°28 | 15°34 | 28°59 | 29♏59 | 18°23 | 28° 5 | T 20 |
| F 21 | 2 28 15 | 5°27'02 | 25°56 | 19°54 | 7°46 | 12° 5 | 29°46 | 15°10 | 20°11 | 20°26 | 15°33 | 28°58 | 29°55 | 18°30 | 28° 4 | F 21 |
| S 22 | 2 32 12 | 6°27'18 | 9♓40 | 21°23 | 9° 0 | 12°34 | 29°56 | 15° 6 | 20°14 | 20°25 | 15°32 | 28°56 | 29°52 | 18°36 | 28° 3 | S 22 |
| S 23 | 2 36 8 | 7°27'36 | 23°52 | 22°52 | 10°14 | 13° 2 | 0♑ 7 | 15° 1 | 20°16 | 20°23 | 15°31 | 28°53 | 29°49 | 18°43 | 28° 3 | S 23 |
| M24 | 2 40 5 | 8°27'55 | 8♈30 | 24°20 | 11°29 | 13°30 | 0°18 | 14°57 | 20°19 | 20°21 | 15°30 | 28°50 | 29°46 | 18°50 | 28° 2 | M24 |
| T 25 | 2 44 1 | 9°28'16 | 23°29 | 25°47 | 12°43 | 13°58 | 0°29 | 14°53 | 20°22 | 20°20 | 15°29 | 28°47 | 29°43 | 18°56 | 28° 2 | T 25 |
| W26 | 2 47 58 | 10°28'38 | 8♉41 | 27°14 | 13°58 | 14°26 | 0°41 | 14°49 | 20°25 | 20°18 | 15°27 | 28°46 | 29°39 | 19° 3 | 28° 2 | W26 |
| T 27 | 2 51 54 | 11°29'02 | 23°55 | 28°41 | 15°12 | 14°53 | 0°52 | 14°45 | 20°28 | 20°17 | 15°26 | 28°D45 | 29°36 | 19°10 | 28° 1 | T 27 |
| F 28 | 2 55 51 | 12°29'28 | 9♊ 3 | 0♐ 7 | 16°27 | 15°21 | 1° 3 | 14°41 | 20°30 | 20°15 | 15°25 | 28°45 | 29°33 | 19°16 | 28° 1 | F 28 |
| S 29 | 2 59 47 | 13°29'56 | 23°54 | 1°32 | 17°41 | 15°47 | 1°15 | 14°37 | 20°33 | 20°14 | 15°24 | 28°46 | 29°30 | 19°23 | 28° 1 | S 29 |
| S 30 | 3 3 44 | 14°30'26 | 8♋24 | 2°57 | 18°56 | 16°14 | 1°26 | 14°33 | 20°35 | 20°12 | 15°23 | 28°47 | 29°27 | 19°30 | 28° 1 | S 30 |
| M31 | 3 7 41 | 15♏30'57 | 22♋29 | 4♐20 | 20♎11 | 16♌41 | 1♑38 | 14♈30 | 20♍38 | 20♈11 | 15♉22 | 28♏48 | 29♏24 | 19♏36 | 28♒ 1 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s 6 | 21n18 | 1s22 | 6s46 | 0n34 | 7n49 | 1n17 | 21n 0 | 1n13 | 23s32 | 0s 4 | 4n 0 | 2s49 | 5n 0 | 0n44 | 6n31 | 1s50 | 2n31 | 14s44 | 20s 8 | 20s25 | 18s 1 | 6s36 | 5n48 |
| S 2 | 6 29 | 20 58 | 2 33 | 7 30 | 0 28 | 7 22 | 1 19 | 20 54 | 1 14 | 23 33 | 0 4 | 3 58 | 2 49 | 4 59 | 0 44 | 6 31 | 1 50 | 2 31 | 14 44 | 20 8 | 20 25 | 18 2 | 6 37 | 5 48 |
| M 3 | 6 52 | 19 20 | 3 34 | 8 13 | 0 21 | 6 56 | 1 21 | 20 48 | 1 16 | 23 33 | 0 4 | 3 56 | 2 49 | 4 57 | 0 44 | 6 30 | 1 50 | 2 30 | 14 44 | 20 8 | 20 24 | 18 3 | 6 38 | 5 48 |
| T 4 | 7 15 | 16 40 | 4 21 | 8 55 | 0 14 | 6 29 | 1 22 | 20 41 | 1 17 | 23 33 | 0 4 | 3 54 | 2 49 | 4 56 | 0 44 | 6 29 | 1 50 | 2 30 | 14 44 | 20 8 | 20 23 | 18 4 | 6 39 | 5 47 |
| W 5 | 7 38 | 13 11 | 4 52 | 9 38 | 0 8 | 6 1 | 1 24 | 20 35 | 1 18 | 23 33 | 0 4 | 3 52 | 2 49 | 4 55 | 0 44 | 6 29 | 1 50 | 2 30 | 14 44 | 20 8 | 20 23 | 18 5 | 6 39 | 5 47 |
| T 6 | 8 1 | 9 10 | 5 8 | 10 19 | 0 1 | 5 34 | 1 26 | 20 29 | 1 19 | 23 34 | 0 4 | 3 51 | 2 49 | 4 53 | 0 44 | 6 28 | 1 50 | 2 29 | 14 45 | 20 7 | 20 22 | 18 6 | 6 40 | 5 47 |
| F 7 | 8 23 | 4 49 | 5 9 | 11 0 | 0s 6 | 5 6 | 1 27 | 20 22 | 1 20 | 23 34 | 0 4 | 3 49 | 2 49 | 4 52 | 0 44 | 6 27 | 1 50 | 2 29 | 14 45 | 20 6 | 20 21 | 18 8 | 6 41 | 5 46 |
| S 8 | 8 46 | 0 21 | 4 55 | 11 40 | 0 13 | 4 38 | 1 28 | 20 15 | 1 22 | 23 34 | 0 5 | 3 47 | 2 49 | 4 51 | 0 44 | 6 27 | 1 50 | 2 29 | 14 45 | 20 4 | 20 21 | 18 9 | 6 42 | 5 46 |
| S 9 | 9 8 | 4s 5 | 4 27 | 12 20 | 0 19 | 4 11 | 1 30 | 20 9 | 1 23 | 23 35 | 0 5 | 3 45 | 2 49 | 4 49 | 0 44 | 6 26 | 1 50 | 2 28 | 14 45 | 20 3 | 20 20 | 18 10 | 6 43 | 5 46 |
| M10 | 9 30 | 8 18 | 3 48 | 12 59 | 0 26 | 3 42 | 1 31 | 20 2 | 1 24 | 23 35 | 0 5 | 3 43 | 2 49 | 4 48 | 0 44 | 6 26 | 1 50 | 2 28 | 14 45 | 20 1 | 20 19 | 18 11 | 6 43 | 5 45 |
| T 11 | 9 52 | 12 9 | 2 59 | 13 37 | 0 33 | 3 14 | 1 32 | 19 56 | 1 25 | 23 35 | 0 5 | 3 42 | 2 49 | 4 47 | 0 44 | 6 25 | 1 50 | 2 27 | 14 45 | 20 0 | 20 19 | 18 12 | 6 44 | 5 45 |
| W12 | 10 14 | 15 29 | 2 2 | 14 15 | 0 39 | 2 46 | 1 33 | 19 49 | 1 27 | 23 35 | 0 5 | 3 40 | 2 48 | 4 46 | 0 44 | 6 24 | 1 50 | 2 27 | 14 45 | 19 59 | 20 18 | 18 13 | 6 45 | 5 45 |
| T 13 | 10 36 | 18 10 | 1 1 | 14 52 | 0 46 | 2 17 | 1 34 | 19 42 | 1 28 | 23 36 | 0 5 | 3 38 | 2 48 | 4 44 | 0 44 | 6 24 | 1 50 | 2 27 | 14 45 | 19 59 | 20 17 | 18 14 | 6 45 | 5 44 |
| F 14 | 10 57 | 20 4 | 0n 4 | 15 28 | 0 53 | 1 49 | 1 35 | 19 35 | 1 29 | 23 36 | 0 5 | 3 36 | 2 48 | 4 43 | 0 44 | 6 23 | 1 50 | 2 26 | 14 45 | 19 59 | 20 17 | 18 15 | 6 46 | 5 44 |
| S 15 | 11 19 | 21 6 | 1 8 | 16 3 | 0 59 | 1 20 | 1 36 | 19 29 | 1 30 | 23 36 | 0 5 | 3 35 | 2 48 | 4 42 | 0 44 | 6 22 | 1 50 | 2 26 | 14 45 | 19 59 | 20 16 | 18 16 | 6 47 | 5 44 |
| S 16 | 11 40 | 21 11 | 2 10 | 16 38 | 1 5 | 0 51 | 1 37 | 19 22 | 1 32 | 23 36 | 0 5 | 3 33 | 2 48 | 4 41 | 0 44 | 6 22 | 1 50 | 2 26 | 14 45 | 19 59 | 20 15 | 18 17 | 6 47 | 5 43 |
| M17 | 12 1 | 20 19 | 3 7 | 17 12 | 1 12 | 0 22 | 1 38 | 19 15 | 1 33 | 23 36 | 0 5 | 3 31 | 2 48 | 4 39 | 0 44 | 6 21 | 1 50 | 2 25 | 14 45 | 20 0 | 20 15 | 18 18 | 6 48 | 5 43 |
| T 18 | 12 22 | 18 29 | 3 56 | 17 45 | 1 18 | 0s 7 | 1 38 | 19 8 | 1 34 | 23 36 | 0 5 | 3 30 | 2 48 | 4 38 | 0 44 | 6 21 | 1 50 | 2 25 | 14 45 | 20 0 | 20 14 | 18 19 | 6 49 | 5 42 |
| W19 | 12 42 | 15 45 | 4 36 | 18 17 | 1 24 | 0 36 | 1 39 | 19 2 | 1 36 | 23 37 | 0 6 | 3 28 | 2 48 | 4 37 | 0 44 | 6 20 | 1 50 | 2 25 | 14 45 | 20 0 | 20 13 | 18 20 | 6 49 | 5 42 |
| T 20 | 13 3 | 12 13 | 5 3 | 18 48 | 1 29 | 1 5 | 1 39 | 18 55 | 1 37 | 23 37 | 0 6 | 3 27 | 2 48 | 4 36 | 0 44 | 6 19 | 1 50 | 2 24 | 14 46 | 20 0 | 20 13 | 18 21 | 6 50 | 5 42 |
| F 21 | 13 23 | 7 58 | 5 15 | 19 18 | 1 35 | 1 34 | 1 40 | 18 48 | 1 38 | 23 37 | 0 6 | 3 25 | 2 48 | 4 35 | 0 44 | 6 19 | 1 50 | 2 24 | 14 46 | 20 0 | 20 12 | 18 22 | 6 51 | 5 41 |
| S 22 | 13 43 | 3 11 | 5 10 | 19 47 | 1 41 | 2 3 | 1 40 | 18 41 | 1 40 | 23 37 | 0 6 | 3 23 | 2 48 | 4 34 | 0 44 | 6 18 | 1 50 | 2 24 | 14 46 | 19 59 | 20 11 | 18 23 | 6 51 | 5 41 |
| S 23 | 14 3 | 1n56 | 4 46 | 20 15 | 1 46 | 2 32 | 1 40 | 18 34 | 1 41 | 23 37 | 0 6 | 3 22 | 2 47 | 4 33 | 0 44 | 6 18 | 1 50 | 2 23 | 14 46 | 19 59 | 20 11 | 18 24 | 6 52 | 5 41 |
| M24 | 14 22 | 7 6 | 4 3 | 20 43 | 1 51 | 3 1 | 1 40 | 18 27 | 1 42 | 23 37 | 0 6 | 3 20 | 2 47 | 4 32 | 0 44 | 6 17 | 1 50 | 2 23 | 14 46 | 19 58 | 20 10 | 18 25 | 6 52 | 5 40 |
| T 25 | 14 42 | 11 59 | 3 3 | 21 9 | 1 56 | 3 30 | 1 40 | 18 21 | 1 44 | 23 37 | 0 6 | 3 19 | 2 47 | 4 30 | 0 44 | 6 16 | 1 50 | 2 23 | 14 46 | 19 57 | 20 9 | 18 26 | 6 53 | 5 40 |
| W26 | 15 1 | 16 10 | 1 49 | 21 34 | 2 1 | 3 59 | 1 40 | 18 14 | 1 45 | 23 37 | 0 6 | 3 17 | 2 47 | 4 29 | 0 44 | 6 16 | 1 50 | 2 22 | 14 46 | 19 57 | 20 9 | 18 27 | 6 53 | 5 40 |
| T 27 | 15 20 | 19 15 | 0 27 | 21 58 | 2 5 | 4 28 | 1 40 | 18 7 | 1 46 | 23 37 | 0 6 | 3 16 | 2 47 | 4 28 | 0 44 | 6 15 | 1 50 | 2 22 | 14 46 | 19 57 | 20 8 | 18 28 | 6 54 | 5 39 |
| F 28 | 15 38 | 20 57 | 0s57 | 22 21 | 2 9 | 4 57 | 1 40 | 18 0 | 1 48 | 23 37 | 0 6 | 3 15 | 2 47 | 4 27 | 0 44 | 6 15 | 1 50 | 2 22 | 14 46 | 19 57 | 20 7 | 18 29 | 6 54 | 5 39 |
| S 29 | 15 57 | 21 8 | 2 15 | 22 43 | 2 13 | 5 26 | 1 40 | 17 54 | 1 49 | 23 37 | 0 6 | 3 13 | 2 47 | 4 26 | 0 44 | 6 14 | 1 50 | 2 22 | 14 46 | 19 57 | 20 7 | 18 30 | 6 54 | 5 38 |
| S 30 | 16 15 | 19 53 | 3 23 | 23 3 | 2 17 | 5 54 | 1 39 | 17 47 | 1 51 | 23 37 | 0 7 | 3 12 | 2 46 | 4 25 | 0 44 | 6 14 | 1 50 | 2 21 | 14 46 | 19 57 | 20 6 | 18 31 | 6 55 | 5 38 |
| M31 | 16s32 | 17n25 | 4s16 | 23s23 | 2s20 | 6s23 | 1n39 | 17n40 | 1n52 | 23s37 | 0s 7 | 3n11 | 2s46 | 4n24 | 0n45 | 6n13 | 1s50 | 2n21 | 14s46 | 19s58 | 20s 5 | 18s32 | 6s55 | 5n38 |

Julian Day Number = 2225010.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'18, Lahiri = 15°12'19 Julian Calendar 1 Oct. 1379 == Greg. Calendar 9 Oct. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## NOVEMBER 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 11 37 | 16♏31'30 | 6♌ 8 | 5♐43 | 21♎25 | 17♌ 7 | 1♑49 | 14°R26 | 20♍41 | 20°R 9 | 15°R21 | 28♏49 | 29♏20 | 19♏43 | 28°D 1 | T 1 |
| W 2 | 3 15 34 | 17°32'05 | 19°22 | 7° 5 | 22°40 | 17°33 | 2° 1 | 14♈22 | 20°43 | 20♈ 8 | 15♉20 | 28°R49 | 29°17 | 19°50 | 28♒ 1 | W 2 |
| T 3 | 3 19 30 | 18°32'42 | 2♍13 | 8°26 | 23°55 | 17°58 | 2°13 | 14°19 | 20°45 | 20° 6 | 15°18 | 28°49 | 29°14 | 19°56 | 28° 1 | T 3 |
| F 4 | 3 23 27 | 19°33'21 | 14°46 | 9°45 | 25°10 | 18°24 | 2°25 | 14°15 | 20°48 | 20° 5 | 15°17 | 28°48 | 29°11 | 20° 3 | 28° 1 | F 4 |
| S 5 | 3 27 23 | 20°34'01 | 27° 3 | 11° 3 | 26°25 | 18°49 | 2°37 | 14°12 | 20°50 | 20° 3 | 15°16 | 28°47 | 29° 8 | 20° 9 | 28° 1 | S 5 |
| S 6 | 3 31 20 | 21°34'43 | 9♎ 9 | 12°20 | 27°39 | 19°14 | 2°49 | 14° 9 | 20°53 | 20° 2 | 15°15 | 28°46 | 29° 5 | 20°16 | 28° 2 | S 6 |
| M 7 | 3 35 16 | 22°35'26 | 21° 6 | 13°34 | 28°54 | 19°38 | 3° 1 | 14° 5 | 20°55 | 20° 1 | 15°14 | 28°45 | 29° 1 | 20°23 | 28° 2 | M 7 |
| T 8 | 3 39 13 | 23°36'11 | 2♏57 | 14°47 | 0♏ 9 | 20° 2 | 3°13 | 14° 2 | 20°57 | 19°59 | 15°13 | 28°44 | 28°58 | 20°29 | 28° 2 | T 8 |
| W 9 | 3 43 10 | 24°36'58 | 14°45 | 15°57 | 1°24 | 20°26 | 3°26 | 13°59 | 20°59 | 19°58 | 15°12 | 28°44 | 28°55 | 20°36 | 28° 3 | W 9 |
| T 10 | 3 47 6 | 25°37'46 | 26°33 | 17° 5 | 2°39 | 20°50 | 3°38 | 13°56 | 21° 1 | 19°57 | 15°11 | 28°D44 | 28°52 | 20°43 | 28° 3 | T 10 |
| F 11 | 3 51 3 | 26°38'35 | 8♐21 | 18° 9 | 3°54 | 21°13 | 3°51 | 13°53 | 21° 3 | 19°55 | 15°10 | 28°44 | 28°49 | 20°49 | 28° 4 | F 11 |
| S 12 | 3 54 59 | 27°39'25 | 20°13 | 19°10 | 5° 9 | 21°36 | 4° 3 | 13°50 | 21° 5 | 19°54 | 15° 8 | 28°44 | 28°45 | 20°56 | 28° 5 | S 12 |
| S 13 | 3 58 56 | 28°40'17 | 2♑10 | 20° 6 | 6°24 | 21°58 | 4°16 | 13°48 | 21° 7 | 19°53 | 15° 7 | 28°R44 | 28°42 | 21° 3 | 28° 5 | S 13 |
| M14 | 4 2 52 | 29°41'10 | 14°16 | 20°58 | 7°39 | 22°20 | 4°28 | 13°45 | 21° 9 | 19°52 | 15° 6 | 28°44 | 28°39 | 21° 9 | 28° 6 | M14 |
| T 15 | 4 6 49 | 0♐42'03 | 26°33 | 21°45 | 8°54 | 22°42 | 4°41 | 13°43 | 21°11 | 19°51 | 15° 5 | 28°44 | 28°36 | 21°16 | 28° 7 | T 15 |
| W16 | 4 10 45 | 1°42'58 | 9♒ 4 | 22°26 | 10° 9 | 23° 3 | 4°54 | 13°40 | 21°13 | 19°49 | 15° 4 | 28°43 | 28°33 | 21°23 | 28° 8 | W16 |
| T 17 | 4 14 42 | 2°43'53 | 21°52 | 23° 0 | 11°25 | 23°24 | 5° 7 | 13°38 | 21°15 | 19°48 | 15° 3 | 28°43 | 28°30 | 21°29 | 28° 9 | T 17 |
| F 18 | 4 18 39 | 3°44'49 | 5♓ 1 | 23°26 | 12°40 | 23°45 | 5°20 | 13°36 | 21°17 | 19°47 | 15° 2 | 28°D43 | 28°26 | 21°36 | 28°10 | F 18 |
| S 19 | 4 22 35 | 4°45'46 | 18°34 | 23°44 | 13°55 | 24° 5 | 5°33 | 13°34 | 21°18 | 19°46 | 15° 1 | 28°43 | 28°23 | 21°43 | 28°11 | S 19 |
| S 20 | 4 26 32 | 5°46'43 | 2♈31 | 23°R53 | 15°10 | 24°25 | 5°46 | 13°32 | 21°20 | 19°45 | 15° 0 | 28°44 | 28°20 | 21°49 | 28°12 | S 20 |
| M21 | 4 30 28 | 6°47'41 | 16°53 | 23°52 | 16°25 | 24°45 | 5°59 | 13°30 | 21°22 | 19°44 | 14°59 | 28°44 | 28°17 | 21°56 | 28°13 | M21 |
| T 22 | 4 34 25 | 7°48'40 | 1♉36 | 23°40 | 17°40 | 25° 4 | 6°12 | 13°28 | 21°23 | 19°43 | 14°58 | 28°45 | 28°14 | 22° 2 | 28°14 | T 22 |
| W23 | 4 38 21 | 8°49'40 | 16°37 | 23°16 | 18°56 | 25°22 | 6°25 | 13°26 | 21°25 | 19°42 | 14°57 | 28°46 | 28°11 | 22° 9 | 28°16 | W23 |
| T 24 | 4 42 18 | 9°50'40 | 1♊47 | 22°41 | 20°11 | 25°41 | 6°38 | 13°25 | 21°26 | 19°41 | 14°56 | 28°R46 | 28° 7 | 22°16 | 28°17 | T 24 |
| F 25 | 4 46 15 | 10°51'42 | 16°57 | 21°55 | 21°26 | 25°58 | 6°51 | 13°23 | 21°27 | 19°40 | 14°55 | 28°45 | 28° 4 | 22°22 | 28°19 | F 25 |
| S 26 | 4 50 11 | 11°52'44 | 1♋57 | 20°59 | 22°41 | 26°16 | 7° 5 | 13°22 | 21°29 | 19°39 | 14°54 | 28°44 | 28° 1 | 22°29 | 28°20 | S 26 |
| S 27 | 4 54 8 | 12°53'47 | 16°40 | 19°52 | 23°57 | 26°33 | 7°18 | 13°21 | 21°30 | 19°38 | 14°53 | 28°43 | 27°58 | 22°36 | 28°22 | S 27 |
| M28 | 4 58 4 | 13°54'50 | 0♌59 | 18°38 | 25°12 | 26°49 | 7°31 | 13°19 | 21°31 | 19°37 | 14°52 | 28°41 | 27°55 | 22°42 | 28°23 | M28 |
| T 29 | 5 2 1 | 14°55'55 | 14°50 | 17°19 | 26°27 | 27° 5 | 7°45 | 13°18 | 21°32 | 19°37 | 14°51 | 28°39 | 27°51 | 22°49 | 28°25 | T 29 |
| W30 | 5 5 57 | 15♐57'01 | 28♌13 | 15♐56 | 27♏42 | 27♌20 | 7♑58 | 13♈17 | 21♍33 | 19♈36 | 14♉50 | 28♏37 | 27♏48 | 22♏56 | 28♒26 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s50 | 14n 4 | 4s53 | 23s41 | 2s23 | 6s51 | 1n39 | 17n34 | 1n54 | 23s37 | 0s 7 | 3n 9 | 2s46 | 4n23 | 0n45 | 6n13 | 1s50 | 2n21 | 14s46 | 19s58 | 20s 5 | 18s33 | 6s56 | 5n37 |
| W 2 | 17 7 | 10 6 | 5 13 | 23 57 | 2 26 | 7 20 | 1 38 | 17 27 | 1 55 | 23 37 | 0 7 | 3 8 | 2 46 | 4 22 | 0 45 | 6 12 | 1 50 | 2 20 | 14 45 | 19 58 | 20 4 | 18 34 | 6 56 | 5 37 |
| T 3 | 17 24 | 5 47 | 5 17 | 24 13 | 2 28 | 7 48 | 1 37 | 17 21 | 1 57 | 23 37 | 0 7 | 3 7 | 2 46 | 4 21 | 0 45 | 6 12 | 1 50 | 2 20 | 14 45 | 19 58 | 20 3 | 18 35 | 6 56 | 5 36 |
| F 4 | 17 41 | 1 19 | 5 5 | 24 27 | 2 29 | 8 16 | 1 37 | 17 14 | 1 58 | 23 37 | 0 7 | 3 6 | 2 45 | 4 21 | 0 45 | 6 11 | 1 50 | 2 20 | 14 45 | 19 57 | 20 2 | 18 36 | 6 56 | 5 36 |
| S 5 | 17 57 | 3s 6 | 4 40 | 24 40 | 2 31 | 8 44 | 1 36 | 17 8 | 2 0 | 23 37 | 0 7 | 3 5 | 2 45 | 4 20 | 0 45 | 6 11 | 1 50 | 2 20 | 14 45 | 19 57 | 20 2 | 18 37 | 6 57 | 5 36 |
| S 6 | 18 13 | 7 21 | 4 2 | 24 51 | 2 31 | 9 12 | 1 35 | 17 2 | 2 1 | 23 37 | 0 7 | 3 4 | 2 45 | 4 19 | 0 45 | 6 10 | 1 50 | 2 19 | 14 45 | 19 57 | 20 1 | 18 38 | 6 57 | 5 35 |
| M 7 | 18 29 | 11 16 | 3 14 | 25 0 | 2 31 | 9 39 | 1 34 | 16 55 | 2 3 | 23 36 | 0 7 | 3 3 | 2 45 | 4 18 | 0 45 | 6 10 | 1 49 | 2 19 | 14 45 | 19 57 | 20 0 | 18 39 | 6 57 | 5 35 |
| T 8 | 18 44 | 14 42 | 2 19 | 25 9 | 2 31 | 10 6 | 1 33 | 16 49 | 2 4 | 23 36 | 0 7 | 3 2 | 2 45 | 4 17 | 0 45 | 6 9 | 1 49 | 2 19 | 14 45 | 19 57 | 20 0 | 18 40 | 6 57 | 5 35 |
| W 9 | 18 59 | 17 33 | 1 17 | 25 15 | 2 30 | 10 33 | 1 32 | 16 43 | 2 6 | 23 36 | 0 7 | 3 1 | 2 44 | 4 16 | 0 45 | 6 9 | 1 49 | 2 19 | 14 45 | 19 57 | 19 59 | 18 41 | 6 58 | 5 34 |
| T 10 | 19 14 | 19 39 | 0 12 | 25 20 | 2 28 | 11 0 | 1 31 | 16 37 | 2 8 | 23 36 | 0 8 | 3 0 | 2 44 | 4 15 | 0 45 | 6 8 | 1 49 | 2 18 | 14 45 | 19 57 | 19 58 | 18 42 | 6 58 | 5 34 |
| F 11 | 19 28 | 20 54 | 0n53 | 25 24 | 2 25 | 11 27 | 1 30 | 16 31 | 2 9 | 23 35 | 0 8 | 2 59 | 2 44 | 4 15 | 0 45 | 6 8 | 1 49 | 2 18 | 14 45 | 19 57 | 19 58 | 18 43 | 6 58 | 5 33 |
| S 12 | 19 42 | 21 13 | 1 57 | 25 25 | 2 21 | 11 53 | 1 29 | 16 25 | 2 11 | 23 35 | 0 8 | 2 58 | 2 44 | 4 14 | 0 45 | 6 7 | 1 49 | 2 18 | 14 45 | 19 57 | 19 57 | 18 44 | 6 58 | 5 33 |
| S 13 | 19 56 | 20 34 | 2 56 | 25 25 | 2 17 | 12 19 | 1 28 | 16 19 | 2 13 | 23 35 | 0 8 | 2 57 | 2 44 | 4 13 | 0 45 | 6 7 | 1 49 | 2 18 | 14 45 | 19 57 | 19 56 | 18 44 | 6 58 | 5 33 |
| M14 | 20 9 | 18 59 | 3 47 | 25 24 | 2 11 | 12 45 | 1 26 | 16 14 | 2 14 | 23 34 | 0 8 | 2 56 | 2 43 | 4 12 | 0 45 | 6 6 | 1 49 | 2 18 | 14 45 | 19 57 | 19 56 | 18 45 | 6 58 | 5 32 |
| T 15 | 20 22 | 16 30 | 4 29 | 25 20 | 2 5 | 13 10 | 1 25 | 16 8 | 2 16 | 23 34 | 0 8 | 2 55 | 2 43 | 4 12 | 0 45 | 6 6 | 1 49 | 2 17 | 14 44 | 19 56 | 19 55 | 18 46 | 6 58 | 5 32 |
| W16 | 20 34 | 13 14 | 5 0 | 25 15 | 1 57 | 13 36 | 1 23 | 16 3 | 2 18 | 23 34 | 0 8 | 2 55 | 2 43 | 4 11 | 0 45 | 6 6 | 1 49 | 2 17 | 14 44 | 19 56 | 19 54 | 18 47 | 6 58 | 5 32 |
| T 17 | 20 46 | 9 17 | 5 16 | 25 8 | 1 48 | 14 0 | 1 22 | 15 57 | 2 19 | 23 33 | 0 8 | 2 54 | 2 43 | 4 10 | 0 45 | 6 5 | 1 49 | 2 17 | 14 44 | 19 56 | 19 53 | 18 48 | 6 59 | 5 31 |
| F 18 | 20 58 | 4 48 | 5 16 | 24 59 | 1 38 | 14 25 | 1 20 | 15 52 | 2 21 | 23 33 | 0 8 | 2 53 | 2 42 | 4 10 | 0 45 | 6 5 | 1 49 | 2 17 | 14 44 | 19 56 | 19 53 | 18 49 | 6 59 | 5 31 |
| S 19 | 21 10 | 0n 3 | 4 59 | 24 48 | 1 26 | 14 49 | 1 19 | 15 47 | 2 23 | 23 32 | 0 8 | 2 53 | 2 42 | 4 9 | 0 45 | 6 4 | 1 49 | 2 17 | 14 44 | 19 56 | 19 52 | 18 50 | 6 58 | 5 30 |
| S 20 | 21 20 | 5 3 | 4 25 | 24 36 | 1 13 | 15 13 | 1 17 | 15 42 | 2 25 | 23 32 | 0 8 | 2 52 | 2 42 | 4 8 | 0 45 | 6 4 | 1 49 | 2 17 | 14 44 | 19 57 | 19 51 | 18 51 | 6 58 | 5 30 |
| M21 | 21 31 | 9 55 | 3 33 | 24 21 | 0 59 | 15 36 | 1 15 | 15 37 | 2 26 | 23 32 | 0 9 | 2 52 | 2 42 | 4 8 | 0 45 | 6 4 | 1 49 | 2 16 | 14 44 | 19 57 | 19 51 | 18 52 | 6 58 | 5 30 |
| T 22 | 21 41 | 14 21 | 2 25 | 24 5 | 0 43 | 15 59 | 1 14 | 15 32 | 2 28 | 23 31 | 0 9 | 2 51 | 2 41 | 4 7 | 0 45 | 6 3 | 1 49 | 2 16 | 14 44 | 19 57 | 19 50 | 18 53 | 6 58 | 5 29 |
| W23 | 21 51 | 17 56 | 1 7 | 23 47 | 0 26 | 16 21 | 1 12 | 15 28 | 2 30 | 23 30 | 0 9 | 2 51 | 2 41 | 4 7 | 0 45 | 6 3 | 1 49 | 2 16 | 14 43 | 19 57 | 19 49 | 18 53 | 6 58 | 5 29 |
| T 24 | 22 0 | 20 19 | 0s17 | 23 27 | 0 8 | 16 44 | 1 10 | 15 23 | 2 32 | 23 30 | 0 9 | 2 50 | 2 41 | 4 6 | 0 45 | 6 3 | 1 49 | 2 16 | 14 43 | 19 57 | 19 48 | 18 54 | 6 58 | 5 29 |
| F 25 | 22 9 | 21 14 | 1 39 | 23 5 | 0n12 | 17 5 | 1 8 | 15 19 | 2 34 | 23 29 | 0 9 | 2 50 | 2 41 | 4 6 | 0 45 | 6 2 | 1 49 | 2 16 | 14 43 | 19 57 | 19 48 | 18 55 | 6 58 | 5 28 |
| S 26 | 22 17 | 20 36 | 2 54 | 22 41 | 0 32 | 17 26 | 1 6 | 15 15 | 2 36 | 23 29 | 0 9 | 2 50 | 2 40 | 4 5 | 0 45 | 6 2 | 1 49 | 2 16 | 14 43 | 19 57 | 19 47 | 18 56 | 6 58 | 5 28 |
| S 27 | 22 25 | 18 35 | 3 56 | 22 16 | 0 52 | 17 47 | 1 4 | 15 10 | 2 37 | 23 28 | 0 9 | 2 50 | 2 40 | 4 5 | 0 46 | 6 2 | 1 49 | 2 16 | 14 43 | 19 56 | 19 46 | 18 57 | 6 58 | 5 27 |
| M28 | 22 33 | 15 26 | 4 41 | 21 50 | 1 12 | 18 7 | 1 2 | 15 7 | 2 39 | 23 27 | 0 9 | 2 49 | 2 40 | 4 4 | 0 46 | 6 2 | 1 49 | 2 16 | 14 43 | 19 56 | 19 46 | 18 58 | 6 57 | 5 27 |
| T 29 | 22 40 | 11 32 | 5 8 | 21 23 | 1 32 | 18 27 | 1 0 | 15 3 | 2 41 | 23 27 | 0 9 | 2 49 | 2 39 | 4 4 | 0 46 | 6 1 | 1 49 | 2 15 | 14 42 | 19 55 | 19 45 | 18 59 | 6 57 | 5 27 |
| W30 | 22s46 | 7n11 | 5s17 | 20s57 | 1n50 | 18s47 | 0n58 | 14n59 | 2n43 | 23s26 | 0s 9 | 2n49 | 2s39 | 4n 3 | 0n46 | 6n 1 | 1s49 | 2n15 | 14s42 | 19s55 | 19s44 | 18s59 | 6s57 | 5n26 |

Julian Day Number = 2225041.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'07, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'22, Lahiri = 15°12'23 Julian Calendar 1 Nov. 1379 == Greg. Calendar 9 Nov. 1379


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# ASTRODIENST EPHEMERIS for the year 1379
# geocentric

## DECEMBER 1379 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 9 54 | 16♐58'07 | 11♍ 9 | 14°R33 | 28♏58 | 27♌35 | 8♉12 | 13°R16 | 21♍35 | 19°R35 | 14°R49 | 28°R36 | 27♏45 | 23♏ 2 | 28♒28 | T 1 |
| F 2 | 5 13 50 | 17°59'14 | 23°43 | 13♐13 | 0♐13 | 27°50 | 8°25 | 13♈16 | 21°36 | 19♈34 | 14♉48 | 28°D36 | 27°42 | 23° 9 | 28°30 | F 2 |
| S 3 | 5 17 47 | 19° 0'22 | 5♎59 | 11°59 | 1°28 | 28° 4 | 8°39 | 13°15 | 21°36 | 19°34 | 14°47 | 28♏37 | 27°39 | 23°16 | 28°32 | S 3 |
| S 4 | 5 21 44 | 20° 1'31 | 18° 0 | 10°51 | 2°44 | 28°17 | 8°53 | 13°15 | 21°37 | 19°33 | 14°46 | 28°38 | 27°36 | 23°22 | 28°34 | S 4 |
| M 5 | 5 25 40 | 21° 2'41 | 29°52 | 9°52 | 3°59 | 28°30 | 9° 6 | 13°14 | 21°38 | 19°32 | 14°45 | 28°40 | 27°32 | 23°29 | 28°36 | M 5 |
| T 6 | 5 29 37 | 22° 3'51 | 11♏39 | 9° 4 | 5°14 | 28°42 | 9°20 | 13°14 | 21°39 | 19°32 | 14°44 | 28°42 | 27°29 | 23°36 | 28°38 | T 6 |
| W 7 | 5 33 33 | 23° 5'02 | 23°25 | 8°26 | 6°30 | 28°54 | 9°34 | 13°14 | 21°40 | 19°31 | 14°44 | 28°R43 | 27°26 | 23°42 | 28°40 | W 7 |
| T 8 | 5 37 30 | 24° 6'13 | 5♐14 | 7°59 | 7°45 | 29° 5 | 9°47 | 13°D14 | 21°40 | 19°31 | 14°43 | 28°43 | 27°23 | 23°49 | 28°42 | T 8 |
| F 9 | 5 41 26 | 25° 7'25 | 17° 8 | 7°42 | 9° 0 | 29°15 | 10° 1 | 13°14 | 21°41 | 19°30 | 14°42 | 28°41 | 27°20 | 23°55 | 28°44 | F 9 |
| S 10 | 5 45 23 | 26° 8'37 | 29° 8 | 7°D36 | 10°16 | 29°25 | 10°15 | 13°14 | 21°41 | 19°30 | 14°41 | 28°39 | 27°17 | 24° 2 | 28°46 | S 10 |
| S 11 | 5 49 19 | 27° 9'49 | 11♑18 | 7°39 | 11°31 | 29°34 | 10°29 | 13°14 | 21°42 | 19°29 | 14°40 | 28°34 | 27°13 | 24° 9 | 28°48 | S 11 |
| M12 | 5 53 16 | 28°11'01 | 23°37 | 7°51 | 12°47 | 29°43 | 10°43 | 13°15 | 21°42 | 19°29 | 14°39 | 28°29 | 27°10 | 24°15 | 28°51 | M12 |
| T 13 | 5 57 13 | 29°12'14 | 6♒ 8 | 8°11 | 14° 2 | 29°51 | 10°57 | 13°15 | 21°43 | 19°29 | 14°39 | 28°24 | 27° 7 | 24°22 | 28°53 | T 13 |
| W14 | 6 1 9 | 0♑13'26 | 18°51 | 8°39 | 15°17 | 29°58 | 11°11 | 13°16 | 21°43 | 19°28 | 14°38 | 28°18 | 27° 4 | 24°29 | 28°55 | W14 |
| T 15 | 6 5 6 | 1°14'38 | 1♓48 | 9°13 | 16°33 | 0♍ 5 | 11°25 | 13°16 | 21°43 | 19°28 | 14°37 | 28°14 | 27° 1 | 24°35 | 28°58 | T 15 |
| F 16 | 6 9 2 | 2°15'50 | 14°59 | 9°53 | 17°48 | 0°11 | 11°39 | 13°17 | 21°44 | 19°28 | 14°36 | 28°11 | 26°57 | 24°42 | 29° 0 | F 16 |
| S 17 | 6 12 59 | 3°17'02 | 28°27 | 10°38 | 19° 3 | 0°16 | 11°52 | 13°18 | 21°44 | 19°28 | 14°36 | 28°D10 | 26°54 | 24°49 | 29° 3 | S 17 |
| S 18 | 6 16 55 | 4°18'13 | 12♈13 | 11°28 | 20°19 | 0°21 | 12° 6 | 13°19 | 21°44 | 19°27 | 14°35 | 28°10 | 26°51 | 24°55 | 29° 6 | S 18 |
| M19 | 6 20 52 | 5°19'24 | 26°17 | 12°22 | 21°34 | 0°25 | 12°20 | 13°20 | 21°R44 | 19°27 | 14°34 | 28°11 | 26°48 | 25° 2 | 29° 8 | M19 |
| T 20 | 6 24 48 | 6°20'34 | 10♉39 | 13°20 | 22°50 | 0°28 | 12°34 | 13°22 | 21°44 | 19°27 | 14°34 | 28°12 | 26°45 | 25° 9 | 29°11 | T 20 |
| W21 | 6 28 45 | 7°21'44 | 25°16 | 14°21 | 24° 5 | 0°31 | 12°48 | 13°23 | 21°44 | 19°27 | 14°33 | 28°R13 | 26°42 | 25°15 | 29°14 | W21 |
| T 22 | 6 32 42 | 8°22'54 | 10♊ 5 | 15°25 | 25°20 | 0°33 | 13° 3 | 13°25 | 21°44 | 19°27 | 14°33 | 28°13 | 26°38 | 25°22 | 29°16 | T 22 |
| F 23 | 6 36 38 | 9°24'03 | 24°58 | 16°32 | 26°36 | 0°34 | 13°17 | 13°26 | 21°43 | 19°D27 | 14°32 | 28°10 | 26°35 | 25°28 | 29°19 | F 23 |
| S 24 | 6 40 35 | 10°25'13 | 9♋49 | 17°42 | 27°51 | 0°R34 | 13°31 | 13°28 | 21°43 | 19°27 | 14°31 | 28° 6 | 26°32 | 25°35 | 29°22 | S 24 |
| S 25 | 6 44 31 | 11°26'21 | 24°28 | 18°53 | 29° 6 | 0°34 | 13°45 | 13°30 | 21°43 | 19°27 | 14°31 | 27°59 | 26°29 | 25°42 | 29°25 | S 25 |
| M26 | 6 48 28 | 12°27'30 | 8♌49 | 20° 6 | 0♑22 | 0°32 | 13°59 | 13°32 | 21°43 | 19°27 | 14°30 | 27°52 | 26°26 | 25°48 | 29°28 | M26 |
| T 27 | 6 52 24 | 13°28'38 | 22°46 | 21°21 | 1°37 | 0°30 | 14°13 | 13°34 | 21°42 | 19°27 | 14°30 | 27°44 | 26°23 | 25°55 | 29°31 | T 27 |
| W28 | 6 56 21 | 14°29'45 | 6♍16 | 22°38 | 2°52 | 0°28 | 14°27 | 13°36 | 21°42 | 19°27 | 14°29 | 27°37 | 26°19 | 26° 2 | 29°34 | W28 |
| T 29 | 7 0 17 | 15°30'53 | 19°20 | 23°56 | 4° 8 | 0°24 | 14°41 | 13°38 | 21°41 | 19°28 | 14°29 | 27°32 | 26°16 | 26° 8 | 29°37 | T 29 |
| F 30 | 7 4 14 | 16°32'00 | 1♎58 | 25°15 | 5°23 | 0°20 | 14°55 | 13°41 | 21°41 | 19°28 | 14°28 | 27°29 | 26°13 | 26°15 | 29°40 | F 30 |
| S 31 | 7 8 11 | 17♑33'07 | 14♎17 | 26♐36 | 6♑39 | 0♍15 | 15♑ 9 | 13♈43 | 21♍40 | 19♈28 | 14♉28 | 27°D27 | 26♏10 | 26♏22 | 29♒43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s53 | 2n38 | 5s 9 | 20s32 | 2n 7 | 19s 5 | 0n56 | 14n56 | 2n45 | 23s25 | 0s 9 | 2n49 | 2s39 | 4n 3 | 0n46 | 6n 1 | 1s48 | 2n15 | 14s42 | 19s55 | 19s43 | 19s 0 | 6s57 | 5n26 |
| F 2 | 22 58 | 1s53 | 4 47 | 20 7 | 2 21 | 19 24 | 0 53 | 14 53 | 2 47 | 23 25 | 0 10 | 2 49 | 2 39 | 4 3 | 0 46 | 6 1 | 1 48 | 2 15 | 14 42 | 19 55 | 19 43 | 19 1 | 6 56 | 5 26 |
| S 3 | 23 4 | 6 14 | 4 12 | 19 46 | 2 34 | 19 41 | 0 51 | 14 50 | 2 49 | 23 24 | 0 10 | 2 49 | 2 38 | 4 2 | 0 46 | 6 0 | 1 48 | 2 15 | 14 42 | 19 55 | 19 42 | 19 2 | 6 56 | 5 25 |
| S 4 | 23 9 | 10 16 | 3 27 | 19 26 | 2 44 | 19 58 | 0 49 | 14 47 | 2 51 | 23 23 | 0 10 | 2 49 | 2 38 | 4 2 | 0 46 | 6 0 | 1 48 | 2 15 | 14 41 | 19 55 | 19 41 | 19 3 | 6 56 | 5 25 |
| M 5 | 23 13 | 13 51 | 2 33 | 19 10 | 2 52 | 20 15 | 0 47 | 14 44 | 2 53 | 23 22 | 0 10 | 2 49 | 2 38 | 4 2 | 0 46 | 6 0 | 1 48 | 2 15 | 14 41 | 19 56 | 19 41 | 19 4 | 6 55 | 5 25 |
| T 6 | 23 17 | 16 51 | 1 33 | 18 58 | 2 57 | 20 31 | 0 44 | 14 42 | 2 55 | 23 21 | 0 10 | 2 49 | 2 38 | 4 1 | 0 46 | 6 0 | 1 48 | 2 15 | 14 41 | 19 56 | 19 40 | 19 4 | 6 55 | 5 24 |
| W 7 | 23 20 | 19 10 | 0 29 | 18 49 | 3 0 | 20 46 | 0 42 | 14 40 | 2 57 | 23 20 | 0 10 | 2 50 | 2 37 | 4 1 | 0 46 | 6 0 | 1 48 | 2 15 | 14 41 | 19 56 | 19 39 | 19 5 | 6 55 | 5 24 |
| T 8 | 23 23 | 20 39 | 0n36 | 18 43 | 3 2 | 21 1 | 0 40 | 14 38 | 2 59 | 23 19 | 0 10 | 2 50 | 2 37 | 4 1 | 0 46 | 6 0 | 1 48 | 2 15 | 14 41 | 19 56 | 19 38 | 19 6 | 6 54 | 5 24 |
| F 9 | 23 26 | 21 14 | 1 40 | 18 41 | 3 1 | 21 15 | 0 37 | 14 36 | 3 2 | 23 18 | 0 10 | 2 50 | 2 37 | 4 1 | 0 46 | 5 59 | 1 48 | 2 15 | 14 40 | 19 56 | 19 38 | 19 7 | 6 54 | 5 23 |
| S 10 | 23 28 | 20 51 | 2 40 | 18 42 | 2 59 | 21 29 | 0 35 | 14 35 | 3 4 | 23 18 | 0 10 | 2 50 | 2 36 | 4 1 | 0 46 | 5 59 | 1 48 | 2 15 | 14 40 | 19 55 | 19 37 | 19 8 | 6 53 | 5 23 |
| S 11 | 23 29 | 19 30 | 3 33 | 18 46 | 2 56 | 21 42 | 0 33 | 14 33 | 3 6 | 23 17 | 0 10 | 2 51 | 2 36 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 40 | 19 54 | 19 36 | 19 8 | 6 53 | 5 23 |
| M12 | 23 30 | 17 13 | 4 17 | 18 52 | 2 51 | 21 54 | 0 30 | 14 32 | 3 8 | 23 15 | 0 10 | 2 51 | 2 36 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 40 | 19 53 | 19 35 | 19 9 | 6 52 | 5 22 |
| T 13 | 23 31 | 14 8 | 4 49 | 19 1 | 2 46 | 22 6 | 0 28 | 14 31 | 3 10 | 23 14 | 0 11 | 2 52 | 2 36 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 39 | 19 52 | 19 35 | 19 10 | 6 52 | 5 22 |
| W14 | 23 31 | 10 20 | 5 8 | 19 11 | 2 40 | 22 17 | 0 25 | 14 31 | 3 12 | 23 13 | 0 11 | 2 52 | 2 35 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 39 | 19 51 | 19 34 | 19 11 | 6 51 | 5 22 |
| T 15 | 23 31 | 6 1 | 5 12 | 19 23 | 2 33 | 22 27 | 0 23 | 14 30 | 3 14 | 23 12 | 0 11 | 2 53 | 2 35 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 39 | 19 50 | 19 33 | 19 11 | 6 51 | 5 21 |
| F 16 | 23 30 | 1 20 | 4 59 | 19 36 | 2 25 | 22 37 | 0 20 | 14 30 | 3 17 | 23 11 | 0 11 | 2 53 | 2 35 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 39 | 19 49 | 19 33 | 19 12 | 6 50 | 5 21 |
| S 17 | 23 29 | 3n31 | 4 30 | 19 51 | 2 18 | 22 46 | 0 18 | 14 31 | 3 19 | 23 10 | 0 11 | 2 54 | 2 34 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 38 | 19 49 | 19 32 | 19 13 | 6 50 | 5 21 |
| S 18 | 23 27 | 8 18 | 3 45 | 20 6 | 2 9 | 22 54 | 0 16 | 14 31 | 3 21 | 23 9 | 0 11 | 2 55 | 2 34 | 4 0 | 0 46 | 5 59 | 1 48 | 2 15 | 14 38 | 19 49 | 19 31 | 19 14 | 6 49 | 5 20 |
| M19 | 23 25 | 12 45 | 2 45 | 20 21 | 2 1 | 23 2 | 0 13 | 14 32 | 3 23 | 23 8 | 0 11 | 2 55 | 2 34 | 4 0 | 0 46 | 5 59 | 1 47 | 2 15 | 14 38 | 19 49 | 19 30 | 19 14 | 6 48 | 5 20 |
| T 20 | 23 22 | 16 34 | 1 34 | 20 37 | 1 52 | 23 9 | 0 11 | 14 32 | 3 25 | 23 6 | 0 11 | 2 56 | 2 34 | 4 0 | 0 46 | 5 59 | 1 47 | 2 15 | 14 38 | 19 50 | 19 30 | 19 15 | 6 48 | 5 20 |
| W21 | 23 19 | 19 24 | 0 16 | 20 53 | 1 44 | 23 15 | 0 8 | 14 34 | 3 28 | 23 5 | 0 11 | 2 57 | 2 33 | 4 0 | 0 47 | 5 59 | 1 47 | 2 16 | 14 37 | 19 50 | 19 29 | 19 16 | 6 47 | 5 20 |
| T 22 | 23 15 | 20 59 | 1s 4 | 21 9 | 1 35 | 23 21 | 0 6 | 14 35 | 3 30 | 23 4 | 0 11 | 2 58 | 2 33 | 4 0 | 0 47 | 5 59 | 1 47 | 2 16 | 14 37 | 19 50 | 19 28 | 19 17 | 6 47 | 5 19 |
| F 23 | 23 11 | 21 5 | 2 20 | 21 24 | 1 26 | 23 25 | 0 3 | 14 37 | 3 32 | 23 3 | 0 12 | 2 59 | 2 33 | 4 0 | 0 47 | 5 59 | 1 47 | 2 16 | 14 37 | 19 49 | 19 27 | 19 17 | 6 46 | 5 19 |
| S 24 | 23 6 | 19 43 | 3 27 | 21 40 | 1 17 | 23 29 | 0 1 | 14 39 | 3 34 | 23 1 | 0 12 | 3 0 | 2 32 | 4 0 | 0 47 | 5 59 | 1 47 | 2 16 | 14 37 | 19 48 | 19 27 | 19 18 | 6 45 | 5 19 |
| S 25 | 23 1 | 17 4 | 4 18 | 21 55 | 1 8 | 23 33 | 0s 2 | 14 41 | 3 36 | 23 0 | 0 12 | 3 1 | 2 32 | 4 1 | 0 47 | 5 59 | 1 47 | 2 16 | 14 36 | 19 47 | 19 26 | 19 19 | 6 44 | 5 18 |
| M26 | 22 56 | 13 25 | 4 52 | 22 9 | 1 0 | 23 35 | 0 4 | 14 43 | 3 39 | 22 59 | 0 12 | 3 2 | 2 32 | 4 1 | 0 47 | 5 59 | 1 47 | 2 16 | 14 36 | 19 45 | 19 25 | 19 20 | 6 44 | 5 18 |
| T 27 | 22 50 | 9 7 | 5 8 | 22 23 | 0 51 | 23 37 | 0 7 | 14 46 | 3 41 | 22 57 | 0 12 | 3 3 | 2 32 | 4 1 | 0 47 | 5 59 | 1 47 | 2 16 | 14 36 | 19 43 | 19 24 | 19 20 | 6 43 | 5 18 |
| W28 | 22 44 | 4 31 | 5 5 | 22 37 | 0 42 | 23 38 | 0 9 | 14 49 | 3 43 | 22 56 | 0 12 | 3 4 | 2 31 | 4 1 | 0 47 | 5 59 | 1 47 | 2 16 | 14 35 | 19 42 | 19 24 | 19 21 | 6 42 | 5 18 |
| T 29 | 22 37 | 0s10 | 4 47 | 22 49 | 0 34 | 23 39 | 0 12 | 14 53 | 3 45 | 22 54 | 0 12 | 3 5 | 2 31 | 4 1 | 0 47 | 6 0 | 1 47 | 2 16 | 14 35 | 19 40 | 19 23 | 19 22 | 6 41 | 5 17 |
| F 30 | 22 29 | 4 41 | 4 15 | 23 1 | 0 25 | 23 39 | 0 14 | 14 56 | 3 48 | 22 53 | 0 12 | 3 6 | 2 31 | 4 2 | 0 47 | 6 0 | 1 47 | 2 17 | 14 35 | 19 40 | 19 22 | 19 22 | 6 40 | 5 17 |
| S 31 | 22s22 | 8s54 | 3s32 | 23s11 | 0n17 | 23s38 | 0s16 | 15n 0 | 3n50 | 22s51 | 0s12 | 3n 7 | 2s30 | 4n 2 | 0n47 | 6n 0 | 1s47 | 2n17 | 14s34 | 19s39 | 19s21 | 19s23 | 6s40 | 5n17 |

Julian Day Number = 2225071.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'26, Lahiri = 15°12'27 Julian Calendar 1 Dec. 1379 == Greg. Calendar 9 Dec. 1379


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## JANUARY 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 12 7 | 18♉34'14 | 26♎19 | 27♐57 | 7♉54 | 0°R 9 | 15♉23 | 13♈46 | 21°R39 | 19♈28 | 14°R27 | 27♏28 | 26♏ 7 | 26♏28 | 29♒46 | S 1 |
| M 2 | 7 16 4 | 19°35'20 | 8♏11 | 29°20 | 9° 9 | 0♍ 2 | 15°37 | 13°48 | 21♍39 | 19°29 | 14♉27 | 27°29 | 26° 3 | 26°35 | 29°49 | M 2 |
| T 3 | 7 20 0 | 20°36'27 | 19°58 | 0♉43 | 10°25 | 29♌54 | 15°51 | 13°51 | 21°38 | 19°29 | 14°27 | 27°30 | 26° 0 | 26°42 | 29°52 | T 3 |
| W 4 | 7 23 57 | 21°37'32 | 1♐44 | 2° 8 | 11°40 | 29°46 | 16° 5 | 13°54 | 21°37 | 19°30 | 14°26 | 27°R30 | 25°57 | 26°48 | 29°56 | W 4 |
| T 5 | 7 27 53 | 22°38'37 | 13°36 | 3°33 | 12°55 | 29°37 | 16°19 | 13°57 | 21°36 | 19°30 | 14°26 | 27°29 | 25°54 | 26°55 | 29°59 | T 5 |
| F 6 | 7 31 50 | 23°39'42 | 25°35 | 5° 0 | 14°11 | 29°27 | 16°33 | 14° 0 | 21°35 | 19°30 | 14°26 | 27°25 | 25°51 | 27° 2 | 0♓ 2 | F 6 |
| S 7 | 7 35 46 | 24°40'46 | 7♉46 | 6°27 | 15°26 | 29°16 | 16°47 | 14° 3 | 21°34 | 19°31 | 14°25 | 27°18 | 25°48 | 27° 8 | 0° 6 | S 7 |
| S 8 | 7 39 43 | 25°41'49 | 20° 9 | 7°55 | 16°41 | 29° 5 | 17° 1 | 14° 6 | 21°33 | 19°32 | 14°25 | 27° 9 | 25°44 | 27°15 | 0° 9 | S 8 |
| M 9 | 7 43 40 | 26°42'51 | 2♒47 | 9°23 | 17°57 | 28°52 | 17°15 | 14°10 | 21°32 | 19°32 | 14°25 | 26°58 | 25°41 | 27°21 | 0°12 | M 9 |
| T 10 | 7 47 36 | 27°43'53 | 15°38 | 10°53 | 19°12 | 28°39 | 17°29 | 14°13 | 21°31 | 19°33 | 14°25 | 26°47 | 25°38 | 27°28 | 0°16 | T 10 |
| W11 | 7 51 33 | 28°44'53 | 28°42 | 12°23 | 20°27 | 28°25 | 17°43 | 14°17 | 21°30 | 19°33 | 14°24 | 26°35 | 25°35 | 27°35 | 0°19 | W11 |
| T 12 | 7 55 29 | 29°45'52 | 11♓58 | 13°53 | 21°43 | 28°10 | 17°57 | 14°21 | 21°28 | 19°34 | 14°24 | 26°26 | 25°32 | 27°41 | 0°23 | T 12 |
| F 13 | 7 59 26 | 0♒46'50 | 25°25 | 15°25 | 22°58 | 27°55 | 18°11 | 14°24 | 21°27 | 19°35 | 14°24 | 26°18 | 25°29 | 27°48 | 0°26 | F 13 |
| S 14 | 8 3 22 | 1°47'46 | 9♈ 2 | 16°57 | 24°13 | 27°39 | 18°25 | 14°28 | 21°26 | 19°36 | 14°24 | 26°13 | 25°25 | 27°55 | 0°30 | S 14 |
| S 15 | 8 7 19 | 2°48'42 | 22°49 | 18°30 | 25°29 | 27°22 | 18°39 | 14°32 | 21°24 | 19°36 | 14°24 | 26°11 | 25°22 | 28° 1 | 0°33 | S 15 |
| M16 | 8 11 15 | 3°49'36 | 6♉46 | 20° 3 | 26°44 | 27° 5 | 18°53 | 14°36 | 21°23 | 19°37 | 14°24 | 26°D11 | 25°19 | 28° 8 | 0°37 | M16 |
| T 17 | 8 15 12 | 4°50'28 | 20°52 | 21°38 | 27°59 | 26°47 | 19° 7 | 14°40 | 21°21 | 19°38 | 14°24 | 26°R11 | 25°16 | 28°15 | 0°40 | T 17 |
| W18 | 8 19 9 | 5°51'19 | 5♊ 7 | 23°13 | 29°14 | 26°28 | 19°21 | 14°45 | 21°20 | 19°39 | 14°23 | 26°11 | 25°13 | 28°21 | 0°44 | W18 |
| T 19 | 8 23 5 | 6°52'09 | 19°30 | 24°48 | 0♒30 | 26° 9 | 19°34 | 14°49 | 21°18 | 19°40 | 14°23 | 26° 9 | 25° 9 | 28°28 | 0°48 | T 19 |
| F 20 | 8 27 2 | 7°52'57 | 3♋56 | 26°25 | 1°45 | 25°49 | 19°48 | 14°53 | 21°17 | 19°41 | 14°D23 | 26° 4 | 25° 6 | 28°35 | 0°51 | F 20 |
| S 21 | 8 30 58 | 8°53'44 | 18°22 | 28° 2 | 3° 0 | 25°28 | 20° 2 | 14°58 | 21°15 | 19°42 | 14°23 | 25°57 | 25° 3 | 28°41 | 0°55 | S 21 |
| S 22 | 8 34 55 | 9°54'29 | 2♌41 | 29°40 | 4°15 | 25° 8 | 20°16 | 15° 2 | 21°13 | 19°43 | 14°23 | 25°47 | 25° 0 | 28°48 | 0°59 | S 22 |
| M23 | 8 38 51 | 10°55'13 | 16°48 | 1♒19 | 5°30 | 24°46 | 20°29 | 15° 7 | 21°11 | 19°44 | 14°23 | 25°35 | 24°57 | 28°54 | 1° 2 | M23 |
| T 24 | 8 42 48 | 11°55'55 | 0♍36 | 2°59 | 6°46 | 24°24 | 20°43 | 15°12 | 21°10 | 19°45 | 14°24 | 25°22 | 24°54 | 29° 1 | 1° 6 | T 24 |
| W25 | 8 46 45 | 12°56'36 | 14° 2 | 4°39 | 8° 1 | 24° 2 | 20°56 | 15°17 | 21° 8 | 19°46 | 14°24 | 25°11 | 24°50 | 29° 8 | 1°10 | W25 |
| T 26 | 8 50 41 | 13°57'16 | 27° 6 | 6°20 | 9°16 | 23°40 | 21°10 | 15°21 | 21° 6 | 19°47 | 14°24 | 25° 1 | 24°47 | 29°14 | 1°14 | T 26 |
| F 27 | 8 54 38 | 14°57'55 | 9♎46 | 8° 2 | 10°31 | 23°17 | 21°24 | 15°26 | 21° 4 | 19°48 | 14°24 | 24°54 | 24°44 | 29°21 | 1°17 | F 27 |
| S 28 | 8 58 34 | 15°58'32 | 22° 7 | 9°45 | 11°46 | 22°54 | 21°37 | 15°31 | 21° 2 | 19°49 | 14°24 | 24°49 | 24°41 | 29°28 | 1°21 | S 28 |
| S 29 | 9 2 31 | 16°59'08 | 4♏11 | 11°29 | 13° 1 | 22°30 | 21°50 | 15°37 | 21° 0 | 19°51 | 14°24 | 24°47 | 24°38 | 29°34 | 1°25 | S 29 |
| M30 | 9 6 27 | 17°59'43 | 16° 5 | 13°14 | 14°17 | 22° 7 | 22° 4 | 15°42 | 20°58 | 19°52 | 14°24 | 24°47 | 24°35 | 29°41 | 1°29 | M30 |
| T 31 | 9 10 24 | 19♒ 0'17 | 27♏53 | 14♒59 | 15♒32 | 21♌43 | 22♉17 | 15♈47 | 20♍56 | 19♈53 | 14♉25 | 24♏47 | 24♏31 | 29♏48 | 1♓33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s14 | 12s41 | 2s40 | 23s21 | 0n 9 | 23s36 | 0s19 | 15n 4 | 3n52 | 22s50 | 0s12 | 3n 8 | 2s30 | 4n 2 | 0n47 | 6n 0 | 1s47 | 2n17 | 14s34 | 19s39 | 19s21 | 19s24 | 6s39 | 5n17 |
| M 2 | 22 5 | 15 54 | 1 42 | 23 30 | 0 1 | 23 33 | 0 21 | 15 9 | 3 54 | 22 48 | 0 12 | 3 10 | 2 30 | 4 3 | 0 47 | 6 0 | 1 47 | 2 17 | 14 34 | 19 40 | 19 20 | 19 25 | 6 38 | 5 16 |
| T 3 | 21 56 | 18 26 | 0 41 | 23 38 | 0s 7 | 23 30 | 0 24 | 15 13 | 3 56 | 22 47 | 0 13 | 3 11 | 2 30 | 4 3 | 0 47 | 6 0 | 1 47 | 2 17 | 14 34 | 19 40 | 19 19 | 19 25 | 6 37 | 5 16 |
| W 4 | 21 46 | 20 12 | 0n23 | 23 45 | 0 15 | 23 26 | 0 26 | 15 18 | 3 58 | 22 45 | 0 13 | 3 12 | 2 29 | 4 3 | 0 47 | 6 1 | 1 47 | 2 18 | 14 33 | 19 40 | 19 18 | 19 26 | 6 36 | 5 16 |
| T 5 | 21 37 | 21 6 | 1 25 | 23 50 | 0 22 | 23 21 | 0 28 | 15 23 | 4 0 | 22 44 | 0 13 | 3 14 | 2 29 | 4 4 | 0 47 | 6 1 | 1 46 | 2 18 | 14 33 | 19 40 | 19 18 | 19 27 | 6 35 | 5 16 |
| F 6 | 21 26 | 21 2 | 2 25 | 23 55 | 0 29 | 23 16 | 0 30 | 15 29 | 4 2 | 22 42 | 0 13 | 3 15 | 2 29 | 4 4 | 0 47 | 6 1 | 1 46 | 2 18 | 14 33 | 19 39 | 19 17 | 19 27 | 6 34 | 5 15 |
| S 7 | 21 16 | 19 59 | 3 19 | 23 58 | 0 36 | 23 10 | 0 33 | 15 35 | 4 4 | 22 40 | 0 13 | 3 17 | 2 29 | 4 5 | 0 47 | 6 1 | 1 46 | 2 18 | 14 32 | 19 37 | 19 16 | 19 28 | 6 33 | 5 15 |
| S 8 | 21 4 | 17 59 | 4 4 | 24 0 | 0 43 | 23 3 | 0 35 | 15 40 | 4 6 | 22 39 | 0 13 | 3 18 | 2 28 | 4 5 | 0 47 | 6 2 | 1 46 | 2 18 | 14 32 | 19 35 | 19 15 | 19 29 | 6 32 | 5 15 |
| M 9 | 20 53 | 15 6 | 4 38 | 24 1 | 0 50 | 22 55 | 0 37 | 15 47 | 4 8 | 22 37 | 0 13 | 3 20 | 2 28 | 4 6 | 0 47 | 6 2 | 1 46 | 2 19 | 14 32 | 19 33 | 19 15 | 19 29 | 6 31 | 5 15 |
| T 10 | 20 41 | 11 27 | 4 58 | 24 0 | 0 56 | 22 47 | 0 39 | 15 53 | 4 10 | 22 35 | 0 13 | 3 21 | 2 28 | 4 6 | 0 47 | 6 2 | 1 46 | 2 19 | 14 31 | 19 30 | 19 14 | 19 30 | 6 30 | 5 15 |
| W11 | 20 29 | 7 13 | 5 4 | 23 59 | 1 3 | 22 38 | 0 41 | 16 0 | 4 12 | 22 34 | 0 13 | 3 23 | 2 27 | 4 7 | 0 47 | 6 2 | 1 46 | 2 19 | 14 31 | 19 27 | 19 13 | 19 31 | 6 29 | 5 14 |
| T 12 | 20 16 | 2 35 | 4 53 | 23 56 | 1 8 | 22 28 | 0 43 | 16 6 | 4 14 | 22 32 | 0 14 | 3 25 | 2 27 | 4 7 | 0 47 | 6 3 | 1 46 | 2 19 | 14 31 | 19 25 | 19 12 | 19 31 | 6 28 | 5 14 |
| F 13 | 20 3 | 2n14 | 4 26 | 23 51 | 1 14 | 22 18 | 0 45 | 16 13 | 4 15 | 22 30 | 0 14 | 3 26 | 2 27 | 4 8 | 0 47 | 6 3 | 1 46 | 2 20 | 14 30 | 19 23 | 19 12 | 19 32 | 6 27 | 5 14 |
| S 14 | 19 50 | 7 1 | 3 44 | 23 45 | 1 20 | 22 7 | 0 47 | 16 21 | 4 17 | 22 28 | 0 14 | 3 28 | 2 27 | 4 8 | 0 47 | 6 3 | 1 46 | 2 20 | 14 30 | 19 22 | 19 11 | 19 32 | 6 26 | 5 14 |
| S 15 | 19 36 | 11 30 | 2 48 | 23 38 | 1 25 | 21 55 | 0 49 | 16 28 | 4 18 | 22 27 | 0 14 | 3 30 | 2 26 | 4 9 | 0 47 | 6 4 | 1 46 | 2 20 | 14 30 | 19 22 | 19 10 | 19 33 | 6 25 | 5 14 |
| M16 | 19 22 | 15 25 | 1 42 | 23 30 | 1 30 | 21 43 | 0 51 | 16 35 | 4 20 | 22 25 | 0 14 | 3 32 | 2 26 | 4 9 | 0 47 | 6 4 | 1 46 | 2 20 | 14 29 | 19 22 | 19 9 | 19 34 | 6 24 | 5 13 |
| T 17 | 19 7 | 18 29 | 0 28 | 23 20 | 1 34 | 21 30 | 0 53 | 16 43 | 4 21 | 22 23 | 0 14 | 3 33 | 2 26 | 4 10 | 0 48 | 6 4 | 1 46 | 2 21 | 14 29 | 19 22 | 19 9 | 19 34 | 6 23 | 5 13 |
| W18 | 18 52 | 20 27 | 0s47 | 23 8 | 1 39 | 21 17 | 0 55 | 16 51 | 4 23 | 22 21 | 0 14 | 3 35 | 2 26 | 4 11 | 0 48 | 6 5 | 1 46 | 2 21 | 14 29 | 19 22 | 19 8 | 19 35 | 6 22 | 5 13 |
| T 19 | 18 37 | 21 6 | 2 1 | 22 55 | 1 43 | 21 2 | 0 57 | 16 59 | 4 24 | 22 19 | 0 14 | 3 37 | 2 25 | 4 11 | 0 48 | 6 5 | 1 46 | 2 21 | 14 28 | 19 21 | 19 7 | 19 36 | 6 21 | 5 13 |
| F 20 | 18 21 | 20 21 | 3 6 | 22 41 | 1 47 | 20 47 | 0 59 | 17 7 | 4 25 | 22 17 | 0 14 | 3 39 | 2 25 | 4 12 | 0 48 | 6 6 | 1 46 | 2 22 | 14 28 | 19 20 | 19 6 | 19 36 | 6 20 | 5 13 |
| S 21 | 18 6 | 18 18 | 4 0 | 22 25 | 1 50 | 20 32 | 1 0 | 17 15 | 4 26 | 22 15 | 0 14 | 3 41 | 2 25 | 4 13 | 0 48 | 6 6 | 1 46 | 2 22 | 14 28 | 19 18 | 19 6 | 19 37 | 6 19 | 5 13 |
| S 22 | 17 49 | 15 7 | 4 38 | 22 8 | 1 53 | 20 16 | 1 2 | 17 23 | 4 27 | 22 13 | 0 15 | 3 43 | 2 25 | 4 13 | 0 48 | 6 6 | 1 45 | 2 22 | 14 27 | 19 16 | 19 5 | 19 37 | 6 18 | 5 12 |
| M23 | 17 33 | 11 7 | 4 58 | 21 49 | 1 56 | 19 59 | 1 4 | 17 31 | 4 28 | 22 12 | 0 15 | 3 45 | 2 25 | 4 14 | 0 48 | 6 7 | 1 45 | 2 23 | 14 27 | 19 13 | 19 4 | 19 38 | 6 16 | 5 12 |
| T 24 | 17 16 | 6 37 | 5 0 | 21 29 | 1 58 | 19 42 | 1 5 | 17 39 | 4 29 | 22 10 | 0 15 | 3 47 | 2 24 | 4 15 | 0 48 | 6 7 | 1 45 | 2 23 | 14 27 | 19 10 | 19 3 | 19 39 | 6 15 | 5 12 |
| W25 | 16 59 | 1 54 | 4 45 | 21 7 | 2 0 | 19 24 | 1 7 | 17 47 | 4 30 | 22 8 | 0 15 | 3 49 | 2 24 | 4 16 | 0 48 | 6 8 | 1 45 | 2 23 | 14 26 | 19 7 | 19 2 | 19 39 | 6 14 | 5 12 |
| T 26 | 16 42 | 2s45 | 4 16 | 20 43 | 2 2 | 19 5 | 1 8 | 17 56 | 4 31 | 22 6 | 0 15 | 3 51 | 2 24 | 4 16 | 0 48 | 6 8 | 1 45 | 2 24 | 14 26 | 19 5 | 19 2 | 19 40 | 6 13 | 5 12 |
| F 27 | 16 24 | 7 10 | 3 35 | 20 18 | 2 3 | 18 46 | 1 10 | 18 4 | 4 31 | 22 4 | 0 15 | 3 53 | 2 24 | 4 17 | 0 48 | 6 9 | 1 45 | 2 24 | 14 26 | 19 3 | 19 1 | 19 40 | 6 12 | 5 12 |
| S 28 | 16 6 | 11 10 | 2 44 | 19 52 | 2 4 | 18 27 | 1 11 | 18 12 | 4 31 | 22 2 | 0 15 | 3 56 | 2 23 | 4 18 | 0 48 | 6 9 | 1 45 | 2 24 | 14 26 | 19 2 | 19 0 | 19 41 | 6 10 | 5 12 |
| S 29 | 15 48 | 14 38 | 1 47 | 19 23 | 2 5 | 18 7 | 1 12 | 18 20 | 4 32 | 22 0 | 0 15 | 3 58 | 2 23 | 4 19 | 0 48 | 6 10 | 1 45 | 2 25 | 14 25 | 19 2 | 18 59 | 19 41 | 6 9 | 5 11 |
| M30 | 15 29 | 17 26 | 0 46 | 18 54 | 2 5 | 17 46 | 1 13 | 18 28 | 4 32 | 21 58 | 0 15 | 4 0 | 2 23 | 4 20 | 0 48 | 6 10 | 1 45 | 2 25 | 14 25 | 19 2 | 18 59 | 19 42 | 6 8 | 5 11 |
| T 31 | 15s11 | 19s29 | 0n16 | 18s23 | 2s 4 | 17s25 | 1s15 | 18n36 | 4n32 | 21s56 | 0s16 | 4n 2 | 2s23 | 4n20 | 0n48 | 6n11 | 1s45 | 2n25 | 14s25 | 19s 2 | 18s58 | 19s43 | 6s 7 | 5n11 |

Julian Day Number = 2225102.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'31, Lahiri = 15°12'31 Julian Calendar 1 Jan. 1380 == Greg. Calendar 9 Jan. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## FEBRUARY 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 14 20 | 20♒ 0'50 | 9♐41 | 16♒46 | 16♒47 | 21°R19 | 22♑31 | 15♈52 | 20°R54 | 19♈54 | 14♉25 | 24°R46 | 24♏28 | 29♏54 | 1♓36 | W 1 |
| T 2 | 9 18 17 | 21° 1'21 | 21°34 | 18°33 | 18° 2 | 20♌55 | 22°44 | 15°58 | 20♍52 | 19°56 | 14°25 | 24♏44 | 24°25 | 0♐ 1 | 1°40 | T 2 |
| F 3 | 9 22 13 | 22° 1'51 | 3♑38 | 20°21 | 19°17 | 20°31 | 22°57 | 16° 3 | 20°50 | 19°57 | 14°25 | 24°39 | 24°22 | 0° 8 | 1°44 | F 3 |
| S 4 | 9 26 10 | 23° 2'19 | 15°56 | 22°11 | 20°32 | 20° 7 | 23°10 | 16° 9 | 20°47 | 19°59 | 14°26 | 24°31 | 24°19 | 0°14 | 1°48 | S 4 |
| S 5 | 9 30 7 | 24° 2'46 | 28°31 | 24° 1 | 21°47 | 19°43 | 23°23 | 16°15 | 20°45 | 20° 0 | 14°26 | 24°21 | 24°15 | 0°21 | 1°52 | S 5 |
| M 6 | 9 34 3 | 25° 3'11 | 11♒25 | 25°51 | 23° 2 | 19°20 | 23°36 | 16°20 | 20°43 | 20° 1 | 14°26 | 24° 9 | 24°12 | 0°28 | 1°56 | M 6 |
| T 7 | 9 38 0 | 26° 3'34 | 24°36 | 27°43 | 24°17 | 18°56 | 23°49 | 16°26 | 20°41 | 20° 3 | 14°27 | 23°55 | 24° 9 | 0°34 | 2° 0 | T 7 |
| W 8 | 9 41 56 | 27° 3'56 | 8♓ 4 | 29°36 | 25°32 | 18°33 | 24° 2 | 16°32 | 20°38 | 20° 4 | 14°27 | 23°42 | 24° 6 | 0°41 | 2° 3 | W 8 |
| T 9 | 9 45 53 | 28° 4'16 | 21°46 | 1♓29 | 26°47 | 18°10 | 24°15 | 16°38 | 20°36 | 20° 6 | 14°28 | 23°30 | 24° 3 | 0°47 | 2° 7 | T 9 |
| F 10 | 9 49 49 | 29° 4'34 | 5♈37 | 3°23 | 28° 2 | 17°47 | 24°28 | 16°44 | 20°34 | 20° 8 | 14°28 | 23°21 | 24° 0 | 0°54 | 2°11 | F 10 |
| S 11 | 9 53 46 | 0♓ 4'50 | 19°36 | 5°17 | 29°17 | 17°25 | 24°41 | 16°50 | 20°31 | 20° 9 | 14°29 | 23°15 | 23°56 | 1° 1 | 2°15 | S 11 |
| S 12 | 9 57 42 | 1° 5'04 | 3♉38 | 7°12 | 0♓32 | 17° 3 | 24°54 | 16°56 | 20°29 | 20°11 | 14°29 | 23°12 | 23°53 | 1° 7 | 2°19 | S 12 |
| M13 | 10 1 39 | 2° 5'17 | 17°42 | 9° 7 | 1°47 | 16°41 | 25° 6 | 17° 2 | 20°27 | 20°12 | 14°29 | 23°11 | 23°50 | 1°14 | 2°23 | M13 |
| T 14 | 10 5 36 | 3° 5'26 | 1♊47 | 11° 2 | 3° 2 | 16°20 | 25°19 | 17° 8 | 20°24 | 20°14 | 14°30 | 23°11 | 23°47 | 1°21 | 2°27 | T 14 |
| W15 | 10 9 32 | 4° 5'34 | 15°53 | 12°57 | 4°17 | 16° 0 | 25°31 | 17°15 | 20°22 | 20°16 | 14°31 | 23°10 | 23°44 | 1°27 | 2°31 | W15 |
| T 16 | 10 13 29 | 5° 5'40 | 29°57 | 14°52 | 5°32 | 15°40 | 25°44 | 17°21 | 20°19 | 20°17 | 14°31 | 23° 8 | 23°40 | 1°34 | 2°35 | T 16 |
| F 17 | 10 17 25 | 6° 5'43 | 14♋ 0 | 16°46 | 6°47 | 15°20 | 25°56 | 17°27 | 20°17 | 20°19 | 14°32 | 23° 4 | 23°37 | 1°41 | 2°38 | F 17 |
| S 18 | 10 21 22 | 7° 5'45 | 27°58 | 18°39 | 8° 2 | 15° 1 | 26° 9 | 17°34 | 20°14 | 20°21 | 14°32 | 22°56 | 23°34 | 1°47 | 2°42 | S 18 |
| S 19 | 10 25 18 | 8° 5'44 | 11♌50 | 20°31 | 9°17 | 14°43 | 26°21 | 17°40 | 20°12 | 20°23 | 14°33 | 22°47 | 23°31 | 1°54 | 2°46 | S 19 |
| M20 | 10 29 15 | 9° 5'41 | 25°31 | 22°21 | 10°32 | 14°25 | 26°33 | 17°47 | 20° 9 | 20°24 | 14°34 | 22°35 | 23°28 | 2° 1 | 2°50 | M20 |
| T 21 | 10 33 11 | 10° 5'36 | 8♍58 | 24° 9 | 11°46 | 14° 9 | 26°45 | 17°54 | 20° 7 | 20°26 | 14°34 | 22°23 | 23°25 | 2° 7 | 2°54 | T 21 |
| W22 | 10 37 8 | 11° 5'28 | 22° 9 | 25°54 | 13° 1 | 13°52 | 26°57 | 18° 0 | 20° 4 | 20°28 | 14°35 | 22°11 | 23°21 | 2°14 | 2°58 | W22 |
| T 23 | 10 41 5 | 12° 5'19 | 5♎ 1 | 27°37 | 14°16 | 13°37 | 27° 9 | 18° 7 | 20° 1 | 20°30 | 14°36 | 22° 1 | 23°18 | 2°20 | 3° 2 | T 23 |
| F 24 | 10 45 1 | 13° 5'09 | 17°36 | 29°15 | 15°31 | 13°22 | 27°21 | 18°14 | 19°59 | 20°32 | 14°36 | 21°53 | 23°15 | 2°27 | 3° 6 | F 24 |
| S 25 | 10 48 58 | 14° 4'56 | 29°54 | 0♈50 | 16°45 | 13° 8 | 27°33 | 18°20 | 19°56 | 20°34 | 14°37 | 21°49 | 23°12 | 2°34 | 3° 9 | S 25 |
| S 26 | 10 52 54 | 15° 4'42 | 11♏58 | 2°21 | 18° 0 | 12°54 | 27°45 | 18°27 | 19°54 | 20°36 | 14°38 | 21°46 | 23° 9 | 2°40 | 3°13 | S 26 |
| M27 | 10 56 51 | 16° 4'25 | 23°51 | 3°46 | 19°15 | 12°42 | 27°56 | 18°34 | 19°51 | 20°37 | 14°38 | 21°D46 | 23° 6 | 2°47 | 3°17 | M27 |
| T 28 | 11 0 47 | 17° 4'07 | 5♐40 | 5° 5 | 20°30 | 12°30 | 28° 8 | 18°41 | 19°48 | 20°39 | 14°39 | 21°46 | 23° 2 | 2°54 | 3°21 | T 28 |
| W29 | 11 4 44 | 18♓ 3'48 | 17♐29 | 6♈19 | 21♓44 | 12♌18 | 28♑19 | 18♈48 | 19♍46 | 20♈41 | 14♉40 | 21°R47 | 22♏59 | 3♐ 0 | 3♓25 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 14s51 | 20s41 | 1n18 | 17s50 | 2s 4 | 17s 4 | 1s16 | 18n44 | 4n32 | 21s53 | 0s16 | 4n 4 | 2s23 | 4n21 | 0n48 | 6n11 | 1s45 | 2n26 | 14s24 | 19s 1 | 18s57 | 19s43 | 6s 6 | 5n11 | W 1 |
| T 2 | 14 32 | 20 58 | 2 17 | 17 15 | 2 2 | 16 42 | 1 17 | 18 52 | 4 32 | 21 51 | 0 16 | 4 7 | 2 22 | 4 22 | 0 48 | 6 12 | 1 45 | 2 26 | 14 24 | 19 1 | 18 56 | 19 44 | 6 4 | 5 11 | T 2 |
| F 3 | 14 13 | 20 18 | 3 10 | 16 39 | 2 1 | 16 19 | 1 18 | 18 59 | 4 32 | 21 49 | 0 16 | 4 9 | 2 22 | 4 23 | 0 48 | 6 13 | 1 45 | 2 27 | 14 24 | 19 0 | 18 55 | 19 44 | 6 3 | 5 11 | F 3 |
| S 4 | 13 53 | 18 40 | 3 56 | 16 2 | 1 58 | 15 56 | 1 19 | 19 7 | 4 32 | 21 47 | 0 16 | 4 11 | 2 22 | 4 24 | 0 48 | 6 13 | 1 45 | 2 27 | 14 23 | 18 58 | 18 55 | 19 45 | 6 2 | 5 11 | S 4 |
| S 5 | 13 33 | 16 6 | 4 31 | 15 23 | 1 56 | 15 33 | 1 20 | 19 14 | 4 31 | 21 45 | 0 16 | 4 14 | 2 22 | 4 25 | 0 48 | 6 14 | 1 45 | 2 27 | 14 23 | 18 55 | 18 54 | 19 45 | 6 0 | 5 11 | S 5 |
| M 6 | 13 13 | 12 43 | 4 53 | 14 42 | 1 52 | 15 9 | 1 21 | 19 21 | 4 31 | 21 43 | 0 16 | 4 16 | 2 22 | 4 26 | 0 48 | 6 14 | 1 45 | 2 28 | 14 23 | 18 52 | 18 53 | 19 46 | 5 59 | 5 11 | M 6 |
| T 7 | 12 52 | 8 39 | 5 0 | 14 0 | 1 48 | 14 45 | 1 21 | 19 28 | 4 30 | 21 41 | 0 16 | 4 19 | 2 21 | 4 27 | 0 48 | 6 15 | 1 45 | 2 28 | 14 22 | 18 49 | 18 52 | 19 46 | 5 58 | 5 11 | T 7 |
| W 8 | 12 32 | 4 4 | 4 51 | 13 16 | 1 44 | 14 20 | 1 22 | 19 35 | 4 29 | 21 39 | 0 17 | 4 21 | 2 21 | 4 27 | 0 48 | 6 15 | 1 45 | 2 29 | 14 22 | 18 46 | 18 52 | 19 47 | 5 57 | 5 10 | W 8 |
| T 9 | 12 11 | 0n47 | 4 25 | 12 31 | 1 39 | 13 55 | 1 23 | 19 41 | 4 28 | 21 37 | 0 17 | 4 23 | 2 21 | 4 28 | 0 48 | 6 16 | 1 45 | 2 29 | 14 22 | 18 43 | 18 51 | 19 47 | 5 55 | 5 10 | T 9 |
| F 10 | 11 50 | 5 39 | 3 43 | 11 45 | 1 33 | 13 30 | 1 23 | 19 47 | 4 27 | 21 34 | 0 17 | 4 26 | 2 21 | 4 29 | 0 48 | 6 17 | 1 45 | 2 29 | 14 21 | 18 40 | 18 50 | 19 48 | 5 54 | 5 10 | F 10 |
| S 11 | 11 29 | 10 16 | 2 48 | 10 57 | 1 27 | 13 4 | 1 24 | 19 53 | 4 26 | 21 32 | 0 17 | 4 28 | 2 21 | 4 30 | 0 48 | 6 17 | 1 44 | 2 30 | 14 21 | 18 39 | 18 49 | 19 48 | 5 53 | 5 10 | S 11 |
| S 12 | 11 7 | 14 21 | 1 42 | 10 8 | 1 20 | 12 38 | 1 24 | 19 59 | 4 25 | 21 30 | 0 17 | 4 31 | 2 20 | 4 31 | 0 48 | 6 18 | 1 44 | 2 30 | 14 21 | 18 38 | 18 48 | 19 49 | 5 51 | 5 10 | S 12 |
| M13 | 10 46 | 17 38 | 0 29 | 9 18 | 1 13 | 12 12 | 1 25 | 20 4 | 4 24 | 21 28 | 0 17 | 4 33 | 2 20 | 4 32 | 0 48 | 6 19 | 1 44 | 2 31 | 14 20 | 18 38 | 18 48 | 19 49 | 5 50 | 5 10 | M13 |
| T 14 | 10 24 | 19 51 | 0s45 | 8 27 | 1 5 | 11 45 | 1 25 | 20 10 | 4 23 | 21 26 | 0 17 | 4 36 | 2 20 | 4 33 | 0 48 | 6 19 | 1 44 | 2 31 | 14 20 | 18 38 | 18 47 | 19 50 | 5 49 | 5 10 | T 14 |
| W15 | 10 2 | 20 49 | 1 57 | 7 35 | 0 56 | 11 18 | 1 25 | 20 15 | 4 21 | 21 24 | 0 17 | 4 38 | 2 20 | 4 34 | 0 48 | 6 20 | 1 44 | 2 32 | 14 20 | 18 38 | 18 46 | 19 50 | 5 47 | 5 10 | W15 |
| T 16 | 9 40 | 20 29 | 3 2 | 6 42 | 0 47 | 10 50 | 1 26 | 20 19 | 4 20 | 21 21 | 0 18 | 4 41 | 2 20 | 4 35 | 0 48 | 6 21 | 1 44 | 2 32 | 14 19 | 18 37 | 18 45 | 19 51 | 5 46 | 5 10 | T 16 |
| F 17 | 9 18 | 18 53 | 3 55 | 5 49 | 0 37 | 10 23 | 1 26 | 20 24 | 4 18 | 21 19 | 0 18 | 4 44 | 2 20 | 4 36 | 0 48 | 6 21 | 1 44 | 2 33 | 14 19 | 18 36 | 18 44 | 19 51 | 5 45 | 5 10 | F 17 |
| S 18 | 8 56 | 16 10 | 4 34 | 4 55 | 0 27 | 9 55 | 1 26 | 20 28 | 4 16 | 21 17 | 0 18 | 4 46 | 2 19 | 4 37 | 0 48 | 6 22 | 1 44 | 2 33 | 14 19 | 18 34 | 18 44 | 19 52 | 5 43 | 5 10 | S 18 |
| S 19 | 8 34 | 12 33 | 4 56 | 4 1 | 0 16 | 9 27 | 1 26 | 20 32 | 4 15 | 21 15 | 0 18 | 4 49 | 2 19 | 4 38 | 0 48 | 6 23 | 1 44 | 2 33 | 14 19 | 18 32 | 18 43 | 19 52 | 5 42 | 5 10 | S 19 |
| M20 | 8 11 | 8 20 | 5 1 | 3 7 | 0 4 | 8 58 | 1 26 | 20 35 | 4 13 | 21 13 | 0 18 | 4 51 | 2 19 | 4 39 | 0 48 | 6 23 | 1 44 | 2 34 | 14 18 | 18 29 | 18 42 | 19 53 | 5 41 | 5 10 | M20 |
| T 21 | 7 49 | 3 46 | 4 49 | 2 13 | 0n 8 | 8 30 | 1 26 | 20 38 | 4 11 | 21 10 | 0 18 | 4 54 | 2 19 | 4 40 | 0 48 | 6 24 | 1 44 | 2 34 | 14 18 | 18 25 | 18 41 | 19 53 | 5 39 | 5 10 | T 21 |
| W22 | 7 26 | 0s53 | 4 22 | 1 20 | 0 20 | 8 1 | 1 26 | 20 41 | 4 9 | 21 8 | 0 18 | 4 57 | 2 19 | 4 41 | 0 48 | 6 25 | 1 44 | 2 35 | 14 18 | 18 22 | 18 40 | 19 54 | 5 38 | 5 10 | W22 |
| T 23 | 7 3 | 5 23 | 3 42 | 0 27 | 0 33 | 7 32 | 1 25 | 20 44 | 4 7 | 21 6 | 0 19 | 5 0 | 2 19 | 4 42 | 0 48 | 6 26 | 1 44 | 2 35 | 14 17 | 18 20 | 18 40 | 19 54 | 5 36 | 5 10 | T 23 |
| F 24 | 6 40 | 9 34 | 2 51 | 0n24 | 0 46 | 7 2 | 1 25 | 20 46 | 4 5 | 21 4 | 0 19 | 5 2 | 2 18 | 4 43 | 0 48 | 6 26 | 1 44 | 2 36 | 14 17 | 18 18 | 18 39 | 19 55 | 5 35 | 5 10 | F 24 |
| S 25 | 6 17 | 13 15 | 1 54 | 1 14 | 0 59 | 6 33 | 1 25 | 20 49 | 4 3 | 21 2 | 0 19 | 5 5 | 2 18 | 4 44 | 0 48 | 6 27 | 1 44 | 2 36 | 14 17 | 18 17 | 18 38 | 19 55 | 5 34 | 5 10 | S 25 |
| S 26 | 5 54 | 16 18 | 0 52 | 2 2 | 1 12 | 6 3 | 1 24 | 20 51 | 4 1 | 20 59 | 0 19 | 5 8 | 2 18 | 4 45 | 0 48 | 6 28 | 1 44 | 2 37 | 14 17 | 18 16 | 18 37 | 19 56 | 5 32 | 5 10 | S 26 |
| M27 | 5 31 | 18 37 | 0n11 | 2 48 | 1 25 | 5 33 | 1 24 | 20 52 | 3 59 | 20 57 | 0 19 | 5 10 | 2 18 | 4 46 | 0 48 | 6 29 | 1 44 | 2 37 | 14 16 | 18 16 | 18 36 | 19 56 | 5 31 | 5 10 | M27 |
| T 28 | 5 7 | 20 7 | 1 14 | 3 32 | 1 39 | 5 3 | 1 23 | 20 53 | 3 57 | 20 55 | 0 19 | 5 13 | 2 18 | 4 47 | 0 48 | 6 29 | 1 44 | 2 38 | 14 16 | 18 16 | 18 36 | 19 56 | 5 30 | 5 10 | T 28 |
| W29 | 4s44 | 20s43 | 2n13 | 4n13 | 1n51 | 4s33 | 1s23 | 20n55 | 3n54 | 20s53 | 0s19 | 5n16 | 2s18 | 4n48 | 0n48 | 6n30 | 1s44 | 2n38 | 14s16 | 18s16 | 18s35 | 19s57 | 5s28 | 5n10 | W29 |

Julian Day Number = 2225133.5, Delta T = 08m24s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'35, Lahiri = 15°12'35 Julian Calendar 1 Feb. 1380 == Greg. Calendar 9 Feb. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## MARCH 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 8 40 | 19♓ 3'26 | 29♐23 | 7♈26 | 22♓59 | 12°R 8 | 28♑31 | 18♈55 | 19°R43 | 20♈43 | 14♉41 | 21°R46 | 22♏56 | 3♐ 7 | 3♓28 | T 1 |
| F 2 | 11 12 37 | 20° 3'03 | 11♑28 | 8°27 | 24°14 | 11♌59 | 28°42 | 19° 2 | 19♍41 | 20°45 | 14°42 | 21♏44 | 22°53 | 3°14 | 3°32 | F 2 |
| S 3 | 11 16 34 | 21° 2'38 | 23°49 | 9°20 | 25°28 | 11°50 | 28°53 | 19° 9 | 19°38 | 20°47 | 14°43 | 21°39 | 22°50 | 3°20 | 3°36 | S 3 |
| S 4 | 11 20 30 | 22° 2'11 | 6♒29 | 10° 7 | 26°43 | 11°42 | 29° 4 | 19°16 | 19°35 | 20°49 | 14°43 | 21°32 | 22°46 | 3°27 | 3°40 | S 4 |
| M 5 | 11 24 27 | 23° 1'42 | 19°32 | 10°45 | 27°57 | 11°34 | 29°15 | 19°24 | 19°33 | 20°51 | 14°44 | 21°23 | 22°43 | 3°34 | 3°43 | M 5 |
| T 6 | 11 28 23 | 24° 1'12 | 2♓57 | 11°16 | 29°12 | 11°28 | 29°26 | 19°31 | 19°30 | 20°53 | 14°45 | 21°13 | 22°40 | 3°40 | 3°47 | T 6 |
| W 7 | 11 32 20 | 25° 0'39 | 16°43 | 11°39 | 0♈27 | 11°22 | 29°37 | 19°38 | 19°28 | 20°56 | 14°46 | 21° 4 | 22°37 | 3°47 | 3°51 | W 7 |
| T 8 | 11 36 16 | 26° 0'04 | 0♈48 | 11°55 | 1°41 | 11°18 | 29°48 | 19°45 | 19°25 | 20°58 | 14°47 | 20°55 | 22°34 | 3°54 | 3°55 | T 8 |
| F 9 | 11 40 13 | 26°59'27 | 15° 5 | 12° 2 | 2°56 | 11°13 | 29°58 | 19°53 | 19°22 | 21° 0 | 14°48 | 20°48 | 22°31 | 4° 0 | 3°58 | F 9 |
| S 10 | 11 44 9 | 27°58'48 | 29°30 | 12°R 2 | 4°10 | 11°10 | 0♒ 9 | 20° 0 | 19°20 | 21° 2 | 14°49 | 20°44 | 22°27 | 4° 7 | 4° 2 | S 10 |
| S 11 | 11 48 6 | 28°58'07 | 13♉57 | 11°55 | 5°25 | 11° 8 | 0°19 | 20° 7 | 19°17 | 21° 4 | 14°50 | 20°D42 | 22°24 | 4°13 | 4° 5 | S 11 |
| M12 | 11 52 2 | 29°57'24 | 28°21 | 11°41 | 6°39 | 11° 6 | 0°30 | 20°15 | 19°15 | 21° 6 | 14°51 | 20°42 | 22°21 | 4°20 | 4° 9 | M12 |
| T 13 | 11 55 59 | 0♈56'38 | 12♊39 | 11°20 | 7°54 | 11° 5 | 0°40 | 20°22 | 19°12 | 21° 8 | 14°52 | 20°43 | 22°18 | 4°27 | 4°13 | T 13 |
| W14 | 11 59 56 | 1°55'50 | 26°49 | 10°53 | 9° 8 | 11°D 5 | 0°50 | 20°29 | 19°10 | 21°10 | 14°53 | 20°R44 | 22°15 | 4°33 | 4°16 | W14 |
| T 15 | 12 3 52 | 2°54'59 | 10♋49 | 10°20 | 10°22 | 11° 5 | 1° 0 | 20°37 | 19° 7 | 21°13 | 14°54 | 20°44 | 22°12 | 4°40 | 4°20 | T 15 |
| F 16 | 12 7 49 | 3°54'06 | 24°39 | 9°43 | 11°37 | 11° 6 | 1°10 | 20°44 | 19° 5 | 21°15 | 14°55 | 20°42 | 22° 8 | 4°47 | 4°23 | F 16 |
| S 17 | 12 11 45 | 4°53'11 | 8♌18 | 9° 2 | 12°51 | 11° 8 | 1°20 | 20°52 | 19° 2 | 21°17 | 14°56 | 20°38 | 22° 5 | 4°53 | 4°27 | S 17 |
| S 18 | 12 15 42 | 5°52'13 | 21°46 | 8°18 | 14° 5 | 11°11 | 1°29 | 20°59 | 19° 0 | 21°19 | 14°57 | 20°32 | 22° 2 | 5° 0 | 4°30 | S 18 |
| M19 | 12 19 38 | 6°51'13 | 5♍ 1 | 7°32 | 15°20 | 11°14 | 1°39 | 21° 7 | 18°57 | 21°21 | 14°58 | 20°25 | 21°59 | 5° 7 | 4°34 | M19 |
| T 20 | 12 23 35 | 7°50'11 | 18° 4 | 6°44 | 16°34 | 11°18 | 1°48 | 21°15 | 18°55 | 21°23 | 14°59 | 20°17 | 21°56 | 5°13 | 4°37 | T 20 |
| W21 | 12 27 31 | 8°49'07 | 0♎53 | 5°57 | 17°48 | 11°23 | 1°58 | 21°22 | 18°52 | 21°26 | 15° 1 | 20°10 | 21°52 | 5°20 | 4°40 | W21 |
| T 22 | 12 31 28 | 9°48'00 | 13°28 | 5°10 | 19° 2 | 11°28 | 2° 7 | 21°30 | 18°50 | 21°28 | 15° 2 | 20° 4 | 21°49 | 5°27 | 4°44 | T 22 |
| F 23 | 12 35 25 | 10°46'52 | 25°50 | 4°25 | 20°17 | 11°34 | 2°16 | 21°37 | 18°48 | 21°30 | 15° 3 | 20° 0 | 21°46 | 5°33 | 4°47 | F 23 |
| S 24 | 12 39 21 | 11°45'41 | 8♏ 0 | 3°42 | 21°31 | 11°41 | 2°25 | 21°45 | 18°45 | 21°32 | 15° 4 | 19°57 | 21°43 | 5°40 | 4°50 | S 24 |
| S 25 | 12 43 18 | 12°44'29 | 19°59 | 3° 2 | 22°45 | 11°48 | 2°34 | 21°53 | 18°43 | 21°35 | 15° 5 | 19°D56 | 21°40 | 5°47 | 4°53 | S 25 |
| M26 | 12 47 14 | 13°43'15 | 1♐51 | 2°25 | 23°59 | 11°56 | 2°42 | 22° 0 | 18°41 | 21°37 | 15° 6 | 19°57 | 21°37 | 5°53 | 4°57 | M26 |
| T 27 | 12 51 11 | 14°41'59 | 13°39 | 1°53 | 25°13 | 12° 5 | 2°51 | 22° 8 | 18°38 | 21°39 | 15° 7 | 19°58 | 21°33 | 6° 0 | 5° 0 | T 27 |
| W28 | 12 55 7 | 15°40'41 | 25°28 | 1°25 | 26°27 | 12°14 | 2°59 | 22°16 | 18°36 | 21°41 | 15° 9 | 20° 0 | 21°30 | 6° 6 | 5° 3 | W28 |
| T 29 | 12 59 4 | 16°39'22 | 7♑23 | 1° 2 | 27°41 | 12°24 | 3° 8 | 22°23 | 18°34 | 21°44 | 15°10 | 20° 2 | 21°27 | 6°13 | 5° 6 | T 29 |
| F 30 | 13 3 0 | 17°38'01 | 19°27 | 0°44 | 28°55 | 12°34 | 3°16 | 22°31 | 18°32 | 21°46 | 15°11 | 20°R 2 | 21°24 | 6°20 | 5° 9 | F 30 |
| S 31 | 13 6 57 | 18♈36'38 | 1♒47 | 0♈31 | 0♉ 9 | 12♌45 | 3♒24 | 22♈39 | 18♍30 | 21♈48 | 15♉12 | 20♏ 1 | 21♏21 | 6♐26 | 5♓12 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s21 | 20s24 | 3n 7 | 4n52 | 2n 4 | 4s 3 | 1s22 | 20n55 | 3n52 | 20s51 | 0s20 | 5n19 | 2s18 | 4n49 | 0n48 | 6n31 | 1s44 | 2n39 | 14s15 | 18s16 | 18s34 | 19s57 | 5s27 | 5n10 |
| F 2 | 3 57 | 19 9 | 3 54 | 5 27 | 2 16 | 3 33 | 1 21 | 20 56 | 3 50 | 20 49 | 0 20 | 5 21 | 2 18 | 4 50 | 0 48 | 6 32 | 1 44 | 2 39 | 14 15 | 18 15 | 18 33 | 19 58 | 5 26 | 5 10 |
| S 3 | 3 34 | 16 58 | 4 30 | 5 58 | 2 28 | 3 2 | 1 21 | 20 56 | 3 48 | 20 46 | 0 20 | 5 24 | 2 17 | 4 51 | 0 48 | 6 32 | 1 44 | 2 40 | 14 15 | 18 14 | 18 32 | 19 58 | 5 24 | 5 10 |
| S 4 | 3 10 | 13 57 | 4 55 | 6 27 | 2 38 | 2 32 | 1 20 | 20 56 | 3 45 | 20 44 | 0 20 | 5 27 | 2 17 | 4 52 | 0 48 | 6 33 | 1 44 | 2 40 | 14 15 | 18 12 | 18 32 | 19 59 | 5 23 | 5 10 |
| M 5 | 2 47 | 10 11 | 5 5 | 6 51 | 2 49 | 2 1 | 1 19 | 20 56 | 3 43 | 20 42 | 0 20 | 5 30 | 2 17 | 4 53 | 0 48 | 6 34 | 1 44 | 2 41 | 14 14 | 18 10 | 18 31 | 19 59 | 5 21 | 5 10 |
| T 6 | 2 23 | 5 48 | 4 59 | 7 12 | 2 58 | 1 31 | 1 18 | 20 56 | 3 40 | 20 40 | 0 20 | 5 33 | 2 17 | 4 55 | 0 48 | 6 35 | 1 44 | 2 41 | 14 14 | 18 7 | 18 30 | 19 59 | 5 20 | 5 10 |
| W 7 | 1 59 | 1 2 | 4 35 | 7 28 | 3 6 | 1 0 | 1 17 | 20 55 | 3 38 | 20 38 | 0 20 | 5 36 | 2 17 | 4 56 | 0 48 | 6 36 | 1 44 | 2 42 | 14 14 | 18 5 | 18 29 | 20 0 | 5 19 | 5 10 |
| T 8 | 1 36 | 3n55 | 3 55 | 7 40 | 3 12 | 0 29 | 1 16 | 20 54 | 3 36 | 20 36 | 0 21 | 5 38 | 2 17 | 4 57 | 0 48 | 6 36 | 1 44 | 2 42 | 14 14 | 18 3 | 18 28 | 20 0 | 5 17 | 5 10 |
| F 9 | 1 12 | 8 43 | 2 59 | 7 49 | 3 18 | 0n 2 | 1 15 | 20 53 | 3 33 | 20 34 | 0 21 | 5 41 | 2 17 | 4 58 | 0 48 | 6 37 | 1 44 | 2 43 | 14 13 | 18 1 | 18 28 | 20 1 | 5 16 | 5 10 |
| S 10 | 0 48 | 13 4 | 1 52 | 7 52 | 3 22 | 0 32 | 1 13 | 20 51 | 3 31 | 20 32 | 0 21 | 5 44 | 2 17 | 4 59 | 0 48 | 6 38 | 1 44 | 2 43 | 14 13 | 18 0 | 18 27 | 20 1 | 5 15 | 5 10 |
| S 11 | 0 25 | 16 39 | 0 36 | 7 52 | 3 25 | 1 3 | 1 12 | 20 50 | 3 29 | 20 29 | 0 21 | 5 47 | 2 17 | 5 0 | 0 48 | 6 39 | 1 44 | 2 44 | 14 13 | 17 59 | 18 26 | 20 1 | 5 13 | 5 10 |
| M12 | 0 1 | 19 11 | 0s41 | 7 47 | 3 26 | 1 34 | 1 11 | 20 48 | 3 26 | 20 27 | 0 21 | 5 50 | 2 17 | 5 1 | 0 48 | 6 40 | 1 44 | 2 44 | 14 13 | 17 59 | 18 25 | 20 2 | 5 12 | 5 10 |
| T 13 | 0n23 | 20 29 | 1 56 | 7 39 | 3 26 | 2 5 | 1 10 | 20 46 | 3 24 | 20 25 | 0 21 | 5 53 | 2 16 | 5 2 | 0 48 | 6 40 | 1 44 | 2 45 | 14 12 | 17 59 | 18 24 | 20 2 | 5 10 | 5 11 |
| W14 | 0 46 | 20 27 | 3 2 | 7 26 | 3 23 | 2 35 | 1 8 | 20 44 | 3 21 | 20 23 | 0 21 | 5 55 | 2 16 | 5 3 | 0 48 | 6 41 | 1 43 | 2 45 | 14 12 | 18 0 | 18 23 | 20 2 | 5 9 | 5 11 |
| T 15 | 1 10 | 19 8 | 3 57 | 7 10 | 3 19 | 3 6 | 1 7 | 20 41 | 3 19 | 20 21 | 0 22 | 5 58 | 2 16 | 5 4 | 0 48 | 6 42 | 1 43 | 2 46 | 14 12 | 18 0 | 18 23 | 20 3 | 5 8 | 5 11 |
| F 16 | 1 33 | 16 43 | 4 38 | 6 50 | 3 14 | 3 37 | 1 5 | 20 39 | 3 17 | 20 19 | 0 22 | 6 1 | 2 16 | 5 4 | 0 48 | 6 43 | 1 43 | 2 46 | 14 12 | 17 59 | 18 22 | 20 3 | 5 6 | 5 11 |
| S 17 | 1 57 | 13 24 | 5 2 | 6 27 | 3 7 | 4 7 | 1 4 | 20 36 | 3 14 | 20 17 | 0 22 | 6 4 | 2 16 | 5 5 | 0 48 | 6 44 | 1 43 | 2 47 | 14 11 | 17 58 | 18 21 | 20 3 | 5 5 | 5 11 |
| S 18 | 2 20 | 9 26 | 5 9 | 6 1 | 2 58 | 4 37 | 1 2 | 20 33 | 3 12 | 20 15 | 0 22 | 6 7 | 2 16 | 5 6 | 0 48 | 6 45 | 1 43 | 2 47 | 14 11 | 17 57 | 18 20 | 20 4 | 5 4 | 5 11 |
| M19 | 2 44 | 5 4 | 4 59 | 5 33 | 2 47 | 5 8 | 1 0 | 20 30 | 3 9 | 20 13 | 0 22 | 6 10 | 2 16 | 5 7 | 0 48 | 6 45 | 1 43 | 2 48 | 14 11 | 17 55 | 18 19 | 20 4 | 5 2 | 5 11 |
| T 20 | 3 7 | 0 32 | 4 34 | 5 4 | 2 36 | 5 38 | 0 59 | 20 26 | 3 7 | 20 11 | 0 22 | 6 13 | 2 16 | 5 8 | 0 48 | 6 46 | 1 43 | 2 48 | 14 11 | 17 53 | 18 19 | 20 4 | 5 1 | 5 11 |
| W21 | 3 30 | 3s56 | 3 55 | 4 33 | 2 23 | 6 8 | 0 57 | 20 23 | 3 5 | 20 9 | 0 23 | 6 16 | 2 16 | 5 9 | 0 48 | 6 47 | 1 43 | 2 49 | 14 11 | 17 51 | 18 18 | 20 5 | 5 0 | 5 11 |
| T 22 | 3 54 | 8 10 | 3 5 | 4 2 | 2 9 | 6 38 | 0 55 | 20 19 | 3 2 | 20 7 | 0 23 | 6 19 | 2 16 | 5 10 | 0 48 | 6 48 | 1 43 | 2 49 | 14 10 | 17 49 | 18 17 | 20 5 | 4 58 | 5 11 |
| F 23 | 4 17 | 11 59 | 2 7 | 3 30 | 1 54 | 7 8 | 0 53 | 20 15 | 3 0 | 20 6 | 0 23 | 6 21 | 2 16 | 5 11 | 0 48 | 6 49 | 1 43 | 2 50 | 14 10 | 17 48 | 18 16 | 20 5 | 4 57 | 5 12 |
| S 24 | 4 40 | 15 14 | 1 5 | 2 59 | 1 38 | 7 37 | 0 51 | 20 11 | 2 58 | 20 4 | 0 23 | 6 24 | 2 16 | 5 12 | 0 48 | 6 50 | 1 43 | 2 50 | 14 10 | 17 47 | 18 15 | 20 6 | 4 56 | 5 12 |
| S 25 | 5 3 | 17 47 | 0n 0 | 2 28 | 1 22 | 8 7 | 0 49 | 20 7 | 2 56 | 20 2 | 0 23 | 6 27 | 2 16 | 5 13 | 0 48 | 6 50 | 1 43 | 2 51 | 14 10 | 17 47 | 18 14 | 20 6 | 4 55 | 5 12 |
| M26 | 5 26 | 19 33 | 1 5 | 1 59 | 1 6 | 8 36 | 0 47 | 20 2 | 2 53 | 20 0 | 0 23 | 6 30 | 2 16 | 5 14 | 0 48 | 6 51 | 1 43 | 2 51 | 14 10 | 17 47 | 18 14 | 20 6 | 4 53 | 5 12 |
| T 27 | 5 49 | 20 26 | 2 6 | 1 31 | 0 50 | 9 5 | 0 45 | 19 58 | 2 51 | 19 58 | 0 24 | 6 33 | 2 16 | 5 15 | 0 48 | 6 52 | 1 43 | 2 52 | 14 10 | 17 48 | 18 13 | 20 7 | 4 52 | 5 12 |
| W28 | 6 11 | 20 24 | 3 2 | 1 5 | 0 33 | 9 34 | 0 43 | 19 53 | 2 49 | 19 56 | 0 24 | 6 36 | 2 16 | 5 15 | 0 48 | 6 53 | 1 43 | 2 52 | 14 9 | 17 48 | 18 12 | 20 7 | 4 51 | 5 12 |
| T 29 | 6 34 | 19 28 | 3 51 | 0 40 | 0 17 | 10 3 | 0 41 | 19 48 | 2 47 | 19 55 | 0 24 | 6 39 | 2 15 | 5 16 | 0 48 | 6 54 | 1 43 | 2 53 | 14 9 | 17 48 | 18 11 | 20 7 | 4 49 | 5 12 |
| F 30 | 6 57 | 17 39 | 4 30 | 0 19 | 0 1 | 10 31 | 0 39 | 19 43 | 2 44 | 19 53 | 0 24 | 6 42 | 2 15 | 5 17 | 0 48 | 6 55 | 1 43 | 2 53 | 14 9 | 17 48 | 18 10 | 20 8 | 4 48 | 5 12 |
| S 31 | 7n19 | 14s59 | 4n58 | 0s 1 | 0s14 | 11n 0 | 0s37 | 19n38 | 2n42 | 19s51 | 0s24 | 6n45 | 2s15 | 5n18 | 0n48 | 6n56 | 1s43 | 2n54 | 14s 9 | 17s48 | 18s 9 | 20s 8 | 4s47 | 5n13 |

Julian Day Number = 2225162.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'39, Lahiri = 15°12'39 Julian Calendar 1 March 1380 == Greg. Calendar 9 March 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## APRIL 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 10 54 | 19♈35'13 | 14♒27 | 0°R23 | 1♉24 | 12♌56 | 3♒32 | 22♈46 | 18°R27 | 21♈50 | 15♉14 | 19°R59 | 21♏17 | 6♐33 | 5♓15 | S 1 |
| M 2 | 13 14 50 | 20°33'47 | 27°30 | 0°D21 | 2°37 | 13° 8 | 3°39 | 22°54 | 18♍25 | 21°53 | 15°15 | 19♏56 | 21°14 | 6°40 | 5°18 | M 2 |
| T 3 | 13 18 47 | 21°32'19 | 10♓58 | 0♈23 | 3°51 | 13°20 | 3°47 | 23° 2 | 18°23 | 21°55 | 15°16 | 19°52 | 21°11 | 6°46 | 5°21 | T 3 |
| W 4 | 13 22 43 | 22°30'49 | 24°52 | 0°31 | 5° 5 | 13°33 | 3°55 | 23° 9 | 18°21 | 21°57 | 15°17 | 19°47 | 21° 8 | 6°53 | 5°24 | W 4 |
| T 5 | 13 26 40 | 23°29'18 | 9♈ 9 | 0°43 | 6°19 | 13°47 | 4° 2 | 23°17 | 18°19 | 21°59 | 15°19 | 19°44 | 21° 5 | 7° 0 | 5°27 | T 5 |
| F 6 | 13 30 36 | 24°27'44 | 23°44 | 1° 0 | 7°33 | 14° 1 | 4° 9 | 23°25 | 18°17 | 22° 2 | 15°20 | 19°41 | 21° 2 | 7° 6 | 5°30 | F 6 |
| S 7 | 13 34 33 | 25°26'09 | 8♉31 | 1°22 | 8°47 | 14°15 | 4°16 | 23°32 | 18°15 | 22° 4 | 15°21 | 19°39 | 20°58 | 7°13 | 5°33 | S 7 |
| S 8 | 13 38 29 | 26°24'32 | 23°23 | 1°48 | 10° 1 | 14°30 | 4°23 | 23°40 | 18°14 | 22° 6 | 15°22 | 19°D39 | 20°55 | 7°20 | 5°36 | S 8 |
| M 9 | 13 42 26 | 27°22'53 | 8♊12 | 2°19 | 11°15 | 14°46 | 4°30 | 23°48 | 18°12 | 22° 8 | 15°24 | 19°40 | 20°52 | 7°26 | 5°38 | M 9 |
| T 10 | 13 46 23 | 28°21'12 | 22°51 | 2°53 | 12°29 | 15° 2 | 4°36 | 23°56 | 18°10 | 22°11 | 15°25 | 19°41 | 20°49 | 7°33 | 5°41 | T 10 |
| W11 | 13 50 19 | 29°19'29 | 7♋16 | 3°31 | 13°42 | 15°18 | 4°43 | 24° 3 | 18° 8 | 22°13 | 15°26 | 19°42 | 20°46 | 7°40 | 5°44 | W11 |
| T 12 | 13 54 16 | 0♉17'44 | 21°24 | 4°14 | 14°56 | 15°35 | 4°49 | 24°11 | 18° 6 | 22°15 | 15°28 | 19°43 | 20°43 | 7°46 | 5°46 | T 12 |
| F 13 | 13 58 12 | 1°15'56 | 5♌13 | 4°59 | 16°10 | 15°52 | 4°55 | 24°19 | 18° 5 | 22°17 | 15°29 | 19°R43 | 20°39 | 7°53 | 5°49 | F 13 |
| S 14 | 14 2 9 | 2°14'07 | 18°44 | 5°49 | 17°24 | 16°10 | 5° 1 | 24°26 | 18° 3 | 22°20 | 15°30 | 19°43 | 20°36 | 8° 0 | 5°51 | S 14 |
| S 15 | 14 6 5 | 3°12'15 | 1♍57 | 6°41 | 18°37 | 16°28 | 5° 7 | 24°34 | 18° 1 | 22°22 | 15°32 | 19°41 | 20°33 | 8° 6 | 5°54 | S 15 |
| M16 | 14 10 2 | 4°10'22 | 14°55 | 7°37 | 19°51 | 16°47 | 5°13 | 24°42 | 18° 0 | 22°24 | 15°33 | 19°39 | 20°30 | 8°13 | 5°56 | M16 |
| T 17 | 14 13 58 | 5° 8'26 | 27°37 | 8°36 | 21° 5 | 17° 5 | 5°18 | 24°49 | 17°58 | 22°26 | 15°34 | 19°37 | 20°27 | 8°19 | 5°59 | T 17 |
| W18 | 14 17 55 | 6° 6'29 | 10♎ 6 | 9°37 | 22°18 | 17°25 | 5°23 | 24°57 | 17°57 | 22°29 | 15°36 | 19°35 | 20°23 | 8°26 | 6° 1 | W18 |
| T 19 | 14 21 51 | 7° 4'29 | 22°24 | 10°42 | 23°32 | 17°44 | 5°29 | 25° 4 | 17°55 | 22°31 | 15°37 | 19°34 | 20°20 | 8°33 | 6° 3 | T 19 |
| F 20 | 14 25 48 | 8° 2'29 | 4♏32 | 11°49 | 24°45 | 18° 5 | 5°34 | 25°12 | 17°54 | 22°33 | 15°38 | 19°32 | 20°17 | 8°39 | 6° 6 | F 20 |
| S 21 | 14 29 45 | 9° 0'26 | 16°32 | 12°59 | 25°59 | 18°25 | 5°38 | 25°20 | 17°53 | 22°35 | 15°40 | 19°D32 | 20°14 | 8°46 | 6° 8 | S 21 |
| S 22 | 14 33 41 | 9°58'22 | 28°25 | 14°12 | 27°12 | 18°46 | 5°43 | 25°27 | 17°51 | 22°37 | 15°41 | 19°32 | 20°11 | 8°53 | 6°10 | S 22 |
| M23 | 14 37 38 | 10°56'17 | 10♐15 | 15°27 | 28°26 | 19° 7 | 5°48 | 25°35 | 17°50 | 22°40 | 15°42 | 19°33 | 20° 8 | 8°59 | 6°12 | M23 |
| T 24 | 14 41 34 | 11°54'10 | 22° 3 | 16°44 | 29°39 | 19°28 | 5°52 | 25°42 | 17°49 | 22°42 | 15°44 | 19°33 | 20° 4 | 9° 6 | 6°14 | T 24 |
| W25 | 14 45 31 | 12°52'02 | 3♑53 | 18° 4 | 0♊53 | 19°50 | 5°56 | 25°50 | 17°48 | 22°44 | 15°45 | 19°34 | 20° 1 | 9°13 | 6°16 | W25 |
| T 26 | 14 49 27 | 13°49'52 | 15°49 | 19°27 | 2° 6 | 20°12 | 6° 0 | 25°57 | 17°47 | 22°46 | 15°46 | 19°35 | 19°58 | 9°19 | 6°18 | T 26 |
| F 27 | 14 53 24 | 14°47'41 | 27°54 | 20°51 | 3°19 | 20°35 | 6° 4 | 26° 5 | 17°46 | 22°48 | 15°48 | 19°35 | 19°55 | 9°26 | 6°20 | F 27 |
| S 28 | 14 57 20 | 15°45'29 | 10♒13 | 22°18 | 4°33 | 20°57 | 6° 7 | 26°12 | 17°45 | 22°50 | 15°49 | 19°36 | 19°52 | 9°33 | 6°22 | S 28 |
| S 29 | 15 1 17 | 16°43'16 | 22°50 | 23°48 | 5°46 | 21°20 | 6°11 | 26°20 | 17°44 | 22°52 | 15°50 | 19°R36 | 19°49 | 9°39 | 6°24 | S 29 |
| M30 | 15 5 14 | 17♉41'01 | 5♓48 | 25♈19 | 6♊59 | 21♌44 | 6♒14 | 26♈27 | 17♍43 | 22♈55 | 15♉52 | 19♏35 | 19♏45 | 9♐46 | 6♓25 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n41 | 11s34 | 5n12 | 0s18 | 0s29 | 11n27 | 0s34 | 19n33 | 2n40 | 19s50 | 0s25 | 6n47 | 2s15 | 5n19 | 0n48 | 6n56 | 1s43 | 2n54 | 14s 9 | 17s48 | 18s 9 | 20s 8 | 4s46 | 5n13 |
| M 2 | 8 3 | 7 31 | 5 11 | 0 32 | 0 44 | 11 55 | 0 32 | 19 27 | 2 38 | 19 48 | 0 25 | 6 50 | 2 15 | 5 20 | 0 48 | 6 57 | 1 43 | 2 55 | 14 9 | 17 47 | 18 8 | 20 8 | 4 45 | 5 13 |
| T 3 | 8 25 | 2 58 | 4 53 | 0 44 | 0 58 | 12 23 | 0 30 | 19 21 | 2 36 | 19 46 | 0 25 | 6 53 | 2 15 | 5 20 | 0 48 | 6 58 | 1 43 | 2 55 | 14 8 | 17 46 | 18 7 | 20 9 | 4 43 | 5 13 |
| W 4 | 8 47 | 1n53 | 4 17 | 0 53 | 1 11 | 12 50 | 0 28 | 19 16 | 2 34 | 19 45 | 0 25 | 6 56 | 2 15 | 5 21 | 0 48 | 6 59 | 1 43 | 2 56 | 14 8 | 17 45 | 18 6 | 20 9 | 4 42 | 5 13 |
| T 5 | 9 9 | 6 46 | 3 25 | 0 59 | 1 23 | 13 16 | 0 25 | 19 10 | 2 32 | 19 43 | 0 25 | 6 59 | 2 15 | 5 22 | 0 48 | 7 0 | 1 43 | 2 56 | 14 8 | 17 44 | 18 5 | 20 9 | 4 41 | 5 13 |
| F 6 | 9 31 | 11 23 | 2 18 | 1 3 | 1 35 | 13 43 | 0 23 | 19 4 | 2 30 | 19 42 | 0 25 | 7 2 | 2 15 | 5 23 | 0 48 | 7 1 | 1 43 | 2 56 | 14 8 | 17 43 | 18 4 | 20 10 | 4 40 | 5 14 |
| S 7 | 9 52 | 15 21 | 1 1 | 1 5 | 1 46 | 14 9 | 0 21 | 18 57 | 2 28 | 19 40 | 0 26 | 7 5 | 2 15 | 5 23 | 0 48 | 7 1 | 1 43 | 2 57 | 14 8 | 17 42 | 18 4 | 20 10 | 4 39 | 5 14 |
| S 8 | 10 13 | 18 21 | 0s21 | 1 3 | 1 56 | 14 35 | 0 18 | 18 51 | 2 25 | 19 39 | 0 26 | 7 7 | 2 15 | 5 24 | 0 48 | 7 2 | 1 43 | 2 57 | 14 8 | 17 42 | 18 3 | 20 10 | 4 37 | 5 14 |
| M 9 | 10 35 | 20 5 | 1 41 | 1 0 | 2 6 | 15 0 | 0 16 | 18 45 | 2 23 | 19 37 | 0 26 | 7 10 | 2 15 | 5 25 | 0 48 | 7 3 | 1 43 | 2 58 | 14 8 | 17 42 | 18 2 | 20 10 | 4 36 | 5 14 |
| T 10 | 10 55 | 20 27 | 2 53 | 0 54 | 2 14 | 15 25 | 0 13 | 18 38 | 2 21 | 19 36 | 0 26 | 7 13 | 2 15 | 5 25 | 0 48 | 7 4 | 1 43 | 2 58 | 14 7 | 17 43 | 18 1 | 20 11 | 4 35 | 5 14 |
| W11 | 11 16 | 19 26 | 3 54 | 0 46 | 2 22 | 15 50 | 0 11 | 18 31 | 2 20 | 19 35 | 0 26 | 7 16 | 2 15 | 5 26 | 0 48 | 7 5 | 1 43 | 2 59 | 14 7 | 17 43 | 18 0 | 20 11 | 4 34 | 5 14 |
| T 12 | 11 37 | 17 14 | 4 38 | 0 36 | 2 30 | 16 14 | 0 8 | 18 24 | 2 18 | 19 33 | 0 27 | 7 19 | 2 15 | 5 27 | 0 48 | 7 6 | 1 43 | 2 59 | 14 7 | 17 43 | 17 59 | 20 11 | 4 33 | 5 15 |
| F 13 | 11 57 | 14 5 | 5 6 | 0 24 | 2 36 | 16 38 | 0 6 | 18 17 | 2 16 | 19 32 | 0 27 | 7 21 | 2 15 | 5 27 | 0 48 | 7 6 | 1 43 | 3 0 | 14 7 | 17 43 | 17 58 | 20 11 | 4 32 | 5 15 |
| S 14 | 12 17 | 10 15 | 5 16 | 0 9 | 2 42 | 17 1 | 0 4 | 18 10 | 2 14 | 19 31 | 0 27 | 7 24 | 2 15 | 5 28 | 0 48 | 7 7 | 1 43 | 3 0 | 14 7 | 17 43 | 17 58 | 20 12 | 4 31 | 5 15 |
| S 15 | 12 37 | 6 0 | 5 9 | 0n 7 | 2 47 | 17 24 | 0 1 | 18 3 | 2 12 | 19 29 | 0 27 | 7 27 | 2 15 | 5 29 | 0 47 | 7 8 | 1 43 | 3 1 | 14 7 | 17 43 | 17 57 | 20 12 | 4 30 | 5 15 |
| M16 | 12 57 | 1 34 | 4 46 | 0 25 | 2 51 | 17 47 | 0n 2 | 17 55 | 2 10 | 19 28 | 0 27 | 7 30 | 2 15 | 5 29 | 0 47 | 7 9 | 1 43 | 3 1 | 14 7 | 17 42 | 17 56 | 20 12 | 4 28 | 5 15 |
| T 17 | 13 17 | 2s52 | 4 9 | 0 45 | 2 54 | 18 9 | 0 4 | 17 48 | 2 8 | 19 27 | 0 28 | 7 33 | 2 15 | 5 30 | 0 47 | 7 10 | 1 43 | 3 1 | 14 7 | 17 42 | 17 55 | 20 12 | 4 27 | 5 16 |
| W18 | 13 36 | 7 6 | 3 22 | 1 7 | 2 57 | 18 31 | 0 7 | 17 40 | 2 6 | 19 26 | 0 28 | 7 35 | 2 15 | 5 30 | 0 47 | 7 11 | 1 43 | 3 2 | 14 7 | 17 41 | 17 54 | 20 12 | 4 26 | 5 16 |
| T 19 | 13 55 | 10 59 | 2 25 | 1 30 | 2 59 | 18 52 | 0 9 | 17 32 | 2 4 | 19 25 | 0 28 | 7 38 | 2 15 | 5 31 | 0 47 | 7 11 | 1 43 | 3 2 | 14 7 | 17 41 | 17 53 | 20 13 | 4 25 | 5 16 |
| F 20 | 14 14 | 14 22 | 1 22 | 1 55 | 3 1 | 19 12 | 0 12 | 17 24 | 2 3 | 19 24 | 0 28 | 7 41 | 2 16 | 5 31 | 0 47 | 7 12 | 1 43 | 3 3 | 14 7 | 17 41 | 17 53 | 20 13 | 4 24 | 5 16 |
| S 21 | 14 33 | 17 6 | 0 17 | 2 22 | 3 2 | 19 33 | 0 14 | 17 16 | 2 1 | 19 23 | 0 28 | 7 44 | 2 16 | 5 32 | 0 47 | 7 13 | 1 43 | 3 3 | 14 7 | 17 40 | 17 52 | 20 13 | 4 23 | 5 16 |
| S 22 | 14 51 | 19 5 | 0n49 | 2 50 | 3 2 | 19 52 | 0 17 | 17 8 | 1 59 | 19 22 | 0 29 | 7 46 | 2 16 | 5 32 | 0 47 | 7 14 | 1 44 | 3 4 | 14 6 | 17 40 | 17 51 | 20 13 | 4 22 | 5 17 |
| M23 | 15 9 | 20 12 | 1 53 | 3 19 | 3 1 | 20 11 | 0 19 | 17 0 | 1 57 | 19 21 | 0 29 | 7 49 | 2 16 | 5 33 | 0 47 | 7 14 | 1 44 | 3 4 | 14 6 | 17 41 | 17 50 | 20 13 | 4 21 | 5 17 |
| T 24 | 15 27 | 20 26 | 2 51 | 3 50 | 3 0 | 20 30 | 0 22 | 16 52 | 1 56 | 19 20 | 0 29 | 7 52 | 2 16 | 5 33 | 0 47 | 7 15 | 1 44 | 3 4 | 14 6 | 17 41 | 17 49 | 20 14 | 4 20 | 5 17 |
| W25 | 15 45 | 19 45 | 3 42 | 4 22 | 2 58 | 20 48 | 0 24 | 16 43 | 1 54 | 19 19 | 0 29 | 7 54 | 2 16 | 5 34 | 0 47 | 7 16 | 1 44 | 3 5 | 14 6 | 17 41 | 17 48 | 20 14 | 4 19 | 5 17 |
| T 26 | 16 3 | 18 12 | 4 24 | 4 55 | 2 56 | 21 5 | 0 27 | 16 34 | 1 52 | 19 19 | 0 29 | 7 57 | 2 16 | 5 34 | 0 47 | 7 17 | 1 44 | 3 5 | 14 6 | 17 41 | 17 47 | 20 14 | 4 18 | 5 18 |
| F 27 | 16 20 | 15 49 | 4 55 | 5 30 | 2 53 | 21 22 | 0 29 | 16 26 | 1 51 | 19 18 | 0 30 | 8 0 | 2 16 | 5 34 | 0 47 | 7 18 | 1 44 | 3 6 | 14 6 | 17 41 | 17 47 | 20 14 | 4 18 | 5 18 |
| S 28 | 16 37 | 12 42 | 5 14 | 6 5 | 2 50 | 21 38 | 0 32 | 16 17 | 1 49 | 19 17 | 0 30 | 8 2 | 2 16 | 5 35 | 0 47 | 7 18 | 1 44 | 3 6 | 14 6 | 17 41 | 17 46 | 20 14 | 4 17 | 5 18 |
| S 29 | 16 53 | 8 57 | 5 17 | 6 42 | 2 46 | 21 54 | 0 34 | 16 8 | 1 47 | 19 17 | 0 30 | 8 5 | 2 16 | 5 35 | 0 47 | 7 19 | 1 44 | 3 6 | 14 6 | 17 41 | 17 45 | 20 14 | 4 16 | 5 18 |
| M30 | 17n10 | 4s41 | 5n 5 | 7n20 | 2s41 | 22n 9 | 0n37 | 15n59 | 1n46 | 19s16 | 0s30 | 8n 7 | 2s16 | 5n35 | 0n47 | 7n20 | 1s44 | 3n 7 | 14s 6 | 17s41 | 17s44 | 20s15 | 4s15 | 5n19 |

Julian Day Number = 2225193.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'43, Lahiri = 15°12'44 Julian Calendar 1 Apr. 1380 == Greg. Calendar 9 Apr. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## MAY 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 9 10 | 18♉38'45 | 19♓12 | 26♈53 | 8♊13 | 22♌ 7 | 6♒17 | 26♈34 | 17°R42 | 22♈57 | 15♉53 | 19°R35 | 19♏42 | 9♐53 | 6♓27 | T 1 |
| W 2 | 15 13 7 | 19°36'29 | 3♈ 2 | 28°29 | 9°26 | 22°31 | 6°20 | 26°42 | 17♍41 | 22°59 | 15°54 | 19°D35 | 19°39 | 9°59 | 6°29 | W 2 |
| T 3 | 15 17 3 | 20°34'11 | 17°18 | 0♉ 7 | 10°39 | 22°56 | 6°23 | 26°49 | 17°40 | 23° 1 | 15°56 | 19♏35 | 19°36 | 10° 6 | 6°31 | T 3 |
| F 4 | 15 21 0 | 21°31'52 | 1♉58 | 1°47 | 11°52 | 23°20 | 6°25 | 26°56 | 17°40 | 23° 3 | 15°57 | 19°35 | 19°33 | 10°13 | 6°32 | F 4 |
| S 5 | 15 24 56 | 22°29'32 | 16°54 | 3°30 | 13° 5 | 23°45 | 6°28 | 27° 3 | 17°39 | 23° 5 | 15°59 | 19°R36 | 19°29 | 10°19 | 6°34 | S 5 |
| S 6 | 15 28 53 | 23°27'10 | 2♊ 1 | 5°14 | 14°19 | 24°10 | 6°30 | 27°11 | 17°38 | 23° 7 | 16° 0 | 19°35 | 19°26 | 10°26 | 6°35 | S 6 |
| M 7 | 15 32 49 | 24°24'48 | 17° 8 | 7° 1 | 15°32 | 24°35 | 6°32 | 27°18 | 17°38 | 23° 9 | 16° 1 | 19°35 | 19°23 | 10°33 | 6°37 | M 7 |
| T 8 | 15 36 46 | 25°22'24 | 2♋ 8 | 8°50 | 16°45 | 25° 1 | 6°34 | 27°25 | 17°37 | 23°11 | 16° 3 | 19°35 | 19°20 | 10°39 | 6°38 | T 8 |
| W 9 | 15 40 43 | 26°19'59 | 16°51 | 10°42 | 17°58 | 25°27 | 6°35 | 27°32 | 17°37 | 23°13 | 16° 4 | 19°34 | 19°17 | 10°46 | 6°39 | W 9 |
| T 10 | 15 44 39 | 27°17'32 | 1♌13 | 12°35 | 19°11 | 25°53 | 6°37 | 27°39 | 17°36 | 23°15 | 16° 5 | 19°33 | 19°14 | 10°53 | 6°40 | T 10 |
| F 11 | 15 48 36 | 28°15'04 | 15°11 | 14°31 | 20°24 | 26°19 | 6°38 | 27°46 | 17°36 | 23°17 | 16° 7 | 19°33 | 19°10 | 10°59 | 6°42 | F 11 |
| S 12 | 15 52 32 | 29°12'34 | 28°43 | 16°28 | 21°37 | 26°46 | 6°39 | 27°53 | 17°36 | 23°19 | 16° 8 | 19°D33 | 19° 7 | 11° 6 | 6°43 | S 12 |
| S 13 | 15 56 29 | 0♊10'03 | 11♍53 | 18°28 | 22°50 | 27°13 | 6°40 | 28° 0 | 17°36 | 23°21 | 16° 9 | 19°33 | 19° 4 | 11°13 | 6°44 | S 13 |
| M14 | 16 0 25 | 1° 7'31 | 24°41 | 20°30 | 24° 3 | 27°40 | 6°40 | 28° 7 | 17°35 | 23°22 | 16°11 | 19°33 | 19° 1 | 11°19 | 6°45 | M14 |
| T 15 | 16 4 22 | 2° 4'57 | 7♎11 | 22°33 | 25°16 | 28° 7 | 6°41 | 28°14 | 17°35 | 23°24 | 16°12 | 19°34 | 18°58 | 11°26 | 6°46 | T 15 |
| W16 | 16 8 18 | 3° 2'22 | 19°27 | 24°38 | 26°29 | 28°35 | 6°41 | 28°21 | 17°35 | 23°26 | 16°13 | 19°36 | 18°54 | 11°32 | 6°47 | W16 |
| T 17 | 16 12 15 | 3°59'46 | 1♏33 | 26°45 | 27°41 | 29° 3 | 6°R41 | 28°27 | 17°D35 | 23°28 | 16°14 | 19°37 | 18°51 | 11°39 | 6°48 | T 17 |
| F 18 | 16 16 12 | 4°57'09 | 13°30 | 28°53 | 28°54 | 29°31 | 6°41 | 28°34 | 17°35 | 23°30 | 16°16 | 19°37 | 18°48 | 11°46 | 6°49 | F 18 |
| S 19 | 16 20 8 | 5°54'31 | 25°22 | 1♊ 3 | 0♋ 7 | 29°59 | 6°41 | 28°41 | 17°35 | 23°32 | 16°17 | 19°R37 | 18°45 | 11°52 | 6°49 | S 19 |
| S 20 | 16 24 5 | 6°51'52 | 7♐11 | 3°13 | 1°20 | 0♍27 | 6°40 | 28°48 | 17°35 | 23°33 | 16°18 | 19°36 | 18°42 | 11°59 | 6°50 | S 20 |
| M21 | 16 28 1 | 7°49'12 | 18°59 | 5°24 | 2°32 | 0°56 | 6°39 | 28°54 | 17°36 | 23°35 | 16°20 | 19°35 | 18°39 | 12° 6 | 6°51 | M21 |
| T 22 | 16 31 58 | 8°46'32 | 0♑49 | 7°36 | 3°45 | 1°24 | 6°39 | 29° 1 | 17°36 | 23°37 | 16°21 | 19°32 | 18°35 | 12°12 | 6°51 | T 22 |
| W23 | 16 35 54 | 9°43'50 | 12°43 | 9°48 | 4°58 | 1°53 | 6°37 | 29° 7 | 17°36 | 23°39 | 16°22 | 19°29 | 18°32 | 12°19 | 6°52 | W23 |
| T 24 | 16 39 51 | 10°41'09 | 24°44 | 12° 0 | 6°10 | 2°23 | 6°36 | 29°14 | 17°36 | 23°40 | 16°23 | 19°26 | 18°29 | 12°26 | 6°52 | T 24 |
| F 25 | 16 43 47 | 11°38'26 | 6♒53 | 14°12 | 7°23 | 2°52 | 6°35 | 29°20 | 17°37 | 23°42 | 16°25 | 19°23 | 18°26 | 12°32 | 6°53 | F 25 |
| S 26 | 16 47 44 | 12°35'43 | 19°15 | 16°23 | 8°36 | 3°22 | 6°33 | 29°26 | 17°37 | 23°44 | 16°26 | 19°20 | 18°23 | 12°39 | 6°53 | S 26 |
| S 27 | 16 51 41 | 13°33'00 | 1♓51 | 18°33 | 9°48 | 3°51 | 6°31 | 29°33 | 17°38 | 23°45 | 16°27 | 19°19 | 18°20 | 12°46 | 6°53 | S 27 |
| M28 | 16 55 37 | 14°30'16 | 14°47 | 20°42 | 11° 1 | 4°21 | 6°29 | 29°39 | 17°38 | 23°47 | 16°28 | 19°D18 | 18°16 | 12°52 | 6°54 | M28 |
| T 29 | 16 59 34 | 15°27'32 | 28° 4 | 22°50 | 12°13 | 4°51 | 6°27 | 29°45 | 17°39 | 23°48 | 16°30 | 19°19 | 18°13 | 12°59 | 6°54 | T 29 |
| W30 | 17 3 30 | 16°24'48 | 11♈45 | 24°57 | 13°26 | 5°22 | 6°25 | 29°51 | 17°40 | 23°50 | 16°31 | 19°20 | 18°10 | 13° 6 | 6°54 | W30 |
| T 31 | 17 7 27 | 17♊22'03 | 25♈52 | 27♊ 1 | 14♋38 | 5♍52 | 6♒22 | 29♈57 | 17♍40 | 23♈51 | 16♉32 | 19♏21 | 18♏ 7 | 13♐12 | 6♓54 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n26 | 0s 3 | 4n37 | 7n58 | 2s36 | 22n24 | 0n39 | 15n49 | 1n44 | 19s15 | 0s31 | 8n10 | 2s16 | 5n36 | 0n47 | 7n21 | 1s44 | 3n 7 | 14s 6 | 17s41 | 17s43 | 20s15 | 4s14 | 5n19 |
| W 2 | 17 42 | 4n45 | 3 51 | 8 38 | 2 30 | 22 38 | 0 42 | 15 40 | 1 43 | 19 15 | 0 31 | 8 13 | 2 16 | 5 36 | 0 47 | 7 21 | 1 44 | 3 8 | 14 6 | 17 41 | 17 42 | 20 15 | 4 13 | 5 19 |
| T 3 | 17 57 | 9 26 | 2 50 | 9 18 | 2 24 | 22 51 | 0 44 | 15 30 | 1 41 | 19 14 | 0 31 | 8 15 | 2 16 | 5 36 | 0 47 | 7 22 | 1 44 | 3 8 | 14 6 | 17 41 | 17 41 | 20 15 | 4 12 | 5 19 |
| F 4 | 18 12 | 13 42 | 1 37 | 9 59 | 2 17 | 23 3 | 0 47 | 15 21 | 1 39 | 19 14 | 0 31 | 8 18 | 2 16 | 5 37 | 0 47 | 7 23 | 1 44 | 3 8 | 14 6 | 17 41 | 17 41 | 20 15 | 4 12 | 5 19 |
| S 5 | 18 27 | 17 11 | 0 15 | 10 41 | 2 10 | 23 15 | 0 49 | 15 11 | 1 38 | 19 14 | 0 31 | 8 20 | 2 16 | 5 37 | 0 47 | 7 24 | 1 44 | 3 9 | 14 6 | 17 41 | 17 40 | 20 15 | 4 11 | 5 20 |
| S 6 | 18 42 | 19 31 | 1s 9 | 11 24 | 2 2 | 23 26 | 0 51 | 15 1 | 1 36 | 19 13 | 0 32 | 8 23 | 2 16 | 5 37 | 0 47 | 7 24 | 1 44 | 3 9 | 14 6 | 17 41 | 17 39 | 20 15 | 4 10 | 5 20 |
| M 7 | 18 56 | 20 27 | 2 27 | 12 6 | 1 54 | 23 37 | 0 54 | 14 51 | 1 35 | 19 13 | 0 32 | 8 25 | 2 17 | 5 37 | 0 47 | 7 25 | 1 44 | 3 9 | 14 6 | 17 41 | 17 38 | 20 16 | 4 9 | 5 20 |
| T 8 | 19 10 | 19 55 | 3 35 | 12 50 | 1 45 | 23 47 | 0 56 | 14 41 | 1 33 | 19 13 | 0 32 | 8 28 | 2 17 | 5 37 | 0 47 | 7 26 | 1 44 | 3 10 | 14 6 | 17 41 | 17 37 | 20 16 | 4 9 | 5 20 |
| W 9 | 19 24 | 18 2 | 4 27 | 13 33 | 1 36 | 23 56 | 0 58 | 14 31 | 1 32 | 19 13 | 0 32 | 8 30 | 2 17 | 5 37 | 0 47 | 7 26 | 1 44 | 3 10 | 14 6 | 17 41 | 17 36 | 20 16 | 4 8 | 5 21 |
| T 10 | 19 37 | 15 3 | 5 1 | 14 17 | 1 27 | 24 5 | 1 0 | 14 21 | 1 30 | 19 12 | 0 33 | 8 33 | 2 17 | 5 38 | 0 47 | 7 27 | 1 44 | 3 10 | 14 6 | 17 41 | 17 35 | 20 16 | 4 7 | 5 21 |
| F 11 | 19 50 | 11 17 | 5 17 | 15 1 | 1 17 | 24 13 | 1 3 | 14 11 | 1 29 | 19 12 | 0 33 | 8 35 | 2 17 | 5 38 | 0 46 | 7 28 | 1 44 | 3 11 | 14 6 | 17 41 | 17 34 | 20 16 | 4 6 | 5 21 |
| S 12 | 20 3 | 7 3 | 5 13 | 15 45 | 1 7 | 24 20 | 1 5 | 14 0 | 1 27 | 19 12 | 0 33 | 8 37 | 2 17 | 5 38 | 0 46 | 7 28 | 1 44 | 3 11 | 14 6 | 17 41 | 17 34 | 20 16 | 4 6 | 5 21 |
| S 13 | 20 15 | 2 36 | 4 54 | 16 28 | 0 57 | 24 26 | 1 7 | 13 49 | 1 26 | 19 12 | 0 33 | 8 40 | 2 17 | 5 38 | 0 46 | 7 29 | 1 44 | 3 11 | 14 6 | 17 41 | 17 33 | 20 16 | 4 5 | 5 22 |
| M14 | 20 27 | 1s51 | 4 20 | 17 11 | 0 47 | 24 32 | 1 9 | 13 39 | 1 25 | 19 12 | 0 33 | 8 42 | 2 17 | 5 38 | 0 46 | 7 30 | 1 44 | 3 12 | 14 6 | 17 41 | 17 32 | 20 16 | 4 5 | 5 22 |
| T 15 | 20 39 | 6 8 | 3 34 | 17 53 | 0 36 | 24 37 | 1 11 | 13 28 | 1 23 | 19 12 | 0 34 | 8 44 | 2 17 | 5 38 | 0 46 | 7 30 | 1 44 | 3 12 | 14 6 | 17 41 | 17 31 | 20 16 | 4 4 | 5 22 |
| W16 | 20 50 | 10 6 | 2 40 | 18 35 | 0 25 | 24 41 | 1 13 | 13 17 | 1 22 | 19 13 | 0 34 | 8 47 | 2 17 | 5 38 | 0 46 | 7 31 | 1 44 | 3 12 | 14 6 | 17 41 | 17 30 | 20 16 | 4 3 | 5 22 |
| T 17 | 21 1 | 13 35 | 1 39 | 19 16 | 0 14 | 24 45 | 1 15 | 13 6 | 1 20 | 19 13 | 0 34 | 8 49 | 2 18 | 5 38 | 0 46 | 7 32 | 1 44 | 3 13 | 14 6 | 17 42 | 17 29 | 20 17 | 4 3 | 5 23 |
| F 18 | 21 12 | 16 29 | 0 34 | 19 55 | 0 4 | 24 48 | 1 17 | 12 55 | 1 19 | 19 13 | 0 34 | 8 51 | 2 18 | 5 38 | 0 46 | 7 32 | 1 44 | 3 13 | 14 7 | 17 42 | 17 28 | 20 17 | 4 2 | 5 23 |
| S 19 | 21 22 | 18 39 | 0n32 | 20 33 | 0n 7 | 24 50 | 1 19 | 12 44 | 1 18 | 19 13 | 0 35 | 8 54 | 2 18 | 5 38 | 0 46 | 7 33 | 1 44 | 3 13 | 14 7 | 17 42 | 17 27 | 20 17 | 4 2 | 5 23 |
| S 20 | 21 32 | 20 0 | 1 36 | 21 9 | 0 18 | 24 51 | 1 21 | 12 32 | 1 16 | 19 14 | 0 35 | 8 56 | 2 18 | 5 38 | 0 46 | 7 34 | 1 44 | 3 13 | 14 7 | 17 42 | 17 27 | 20 17 | 4 1 | 5 24 |
| M21 | 21 41 | 20 29 | 2 35 | 21 44 | 0 28 | 24 52 | 1 22 | 12 21 | 1 15 | 19 14 | 0 35 | 8 58 | 2 18 | 5 37 | 0 46 | 7 34 | 1 44 | 3 14 | 14 7 | 17 41 | 17 26 | 20 17 | 4 1 | 5 24 |
| T 22 | 21 50 | 20 3 | 3 28 | 22 16 | 0 38 | 24 52 | 1 24 | 12 9 | 1 14 | 19 15 | 0 35 | 9 0 | 2 18 | 5 37 | 0 46 | 7 35 | 1 44 | 3 14 | 14 7 | 17 40 | 17 25 | 20 17 | 4 0 | 5 24 |
| W23 | 21 59 | 18 43 | 4 13 | 22 47 | 0 48 | 24 51 | 1 26 | 11 58 | 1 12 | 19 15 | 0 35 | 9 2 | 2 18 | 5 37 | 0 46 | 7 35 | 1 44 | 3 14 | 14 7 | 17 40 | 17 24 | 20 17 | 4 0 | 5 24 |
| T 24 | 22 7 | 16 33 | 4 46 | 23 14 | 0 57 | 24 50 | 1 27 | 11 46 | 1 11 | 19 16 | 0 36 | 9 5 | 2 19 | 5 37 | 0 46 | 7 36 | 1 45 | 3 15 | 14 7 | 17 39 | 17 23 | 20 17 | 3 59 | 5 25 |
| F 25 | 22 15 | 13 39 | 5 7 | 23 40 | 1 5 | 24 47 | 1 29 | 11 34 | 1 10 | 19 16 | 0 36 | 9 7 | 2 19 | 5 37 | 0 46 | 7 37 | 1 45 | 3 15 | 14 7 | 17 38 | 17 22 | 20 17 | 3 59 | 5 25 |
| S 26 | 22 23 | 10 7 | 5 15 | 24 2 | 1 14 | 24 44 | 1 30 | 11 22 | 1 8 | 19 17 | 0 36 | 9 9 | 2 19 | 5 37 | 0 46 | 7 37 | 1 45 | 3 15 | 14 7 | 17 37 | 17 21 | 20 17 | 3 59 | 5 25 |
| S 27 | 22 30 | 6 4 | 5 7 | 24 22 | 1 21 | 24 41 | 1 32 | 11 10 | 1 7 | 19 17 | 0 36 | 9 11 | 2 19 | 5 36 | 0 46 | 7 38 | 1 45 | 3 15 | 14 7 | 17 37 | 17 20 | 20 17 | 3 58 | 5 25 |
| M28 | 22 37 | 1 39 | 4 44 | 24 39 | 1 28 | 24 36 | 1 33 | 10 58 | 1 6 | 19 18 | 0 37 | 9 13 | 2 19 | 5 36 | 0 46 | 7 38 | 1 45 | 3 15 | 14 7 | 17 37 | 17 20 | 20 17 | 3 58 | 5 26 |
| T 29 | 22 43 | 2n59 | 4 6 | 24 54 | 1 34 | 24 31 | 1 34 | 10 46 | 1 5 | 19 19 | 0 37 | 9 15 | 2 19 | 5 36 | 0 46 | 7 39 | 1 45 | 3 16 | 14 8 | 17 37 | 17 19 | 20 17 | 3 58 | 5 26 |
| W30 | 22 49 | 7 36 | 3 12 | 25 5 | 1 40 | 24 25 | 1 36 | 10 34 | 1 3 | 19 20 | 0 37 | 9 17 | 2 19 | 5 36 | 0 46 | 7 39 | 1 45 | 3 16 | 14 8 | 17 37 | 17 18 | 20 17 | 3 57 | 5 26 |
| T 31 | 22n55 | 11n58 | 2n 6 | 25n14 | 1n45 | 24n19 | 1n37 | 10n21 | 1n 2 | 19s21 | 0s37 | 9n19 | 2s20 | 5n35 | 0n46 | 7n40 | 1s45 | 3n16 | 14s 8 | 17s37 | 17s17 | 20s17 | 3s57 | 5n26 |

Julian Day Number = 2225223.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'47, Lahiri = 15°12'48 Julian Calendar 1 May 1380 == Greg. Calendar 9 May 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## JUNE 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 11 23 | 18♊19'18 | 10♉23 | 29♊ 5 | 15♋50 | 6♍23 | 6°R19 | 0♉ 3 | 17♍41 | 23♈53 | 16♉33 | 19♏22 | 18♏ 4 | 13♐19 | 6°R54 | F 1 |
| S 2 | 17 15 20 | 19°16'33 | 25°15 | 1♋ 6 | 17° 3 | 6°53 | 6♒16 | 0° 9 | 17°42 | 23°54 | 16°34 | 19°R23 | 18° 0 | 13°26 | 6♓54 | S 2 |
| S 3 | 17 19 16 | 20°13'48 | 10♊21 | 3° 5 | 18°15 | 7°24 | 6°13 | 0°15 | 17°43 | 23°56 | 16°35 | 19°21 | 17°57 | 13°32 | 6°54 | S 3 |
| M 4 | 17 23 13 | 21°11'03 | 25°34 | 5° 2 | 19°27 | 7°56 | 6°10 | 0°21 | 17°44 | 23°57 | 16°37 | 19°19 | 17°54 | 13°39 | 6°54 | M 4 |
| T 5 | 17 27 10 | 22° 8'17 | 10♋43 | 6°57 | 20°40 | 8°27 | 6° 7 | 0°27 | 17°45 | 23°59 | 16°38 | 19°15 | 17°51 | 13°46 | 6°54 | T 5 |
| W 6 | 17 31 6 | 23° 5'30 | 25°38 | 8°50 | 21°52 | 8°58 | 6° 3 | 0°33 | 17°46 | 24° 0 | 16°39 | 19°10 | 17°48 | 13°52 | 6°54 | W 6 |
| T 7 | 17 35 3 | 24° 2'43 | 10♌12 | 10°41 | 23° 4 | 9°30 | 5°59 | 0°38 | 17°47 | 24° 1 | 16°40 | 19° 5 | 17°45 | 13°59 | 6°53 | T 7 |
| F 8 | 17 38 59 | 24°59'56 | 24°20 | 12°30 | 24°16 | 10° 2 | 5°55 | 0°44 | 17°48 | 24° 3 | 16°41 | 19° 1 | 17°41 | 14° 6 | 6°53 | F 8 |
| S 9 | 17 42 56 | 25°57'08 | 7♍59 | 14°17 | 25°28 | 10°34 | 5°51 | 0°49 | 17°49 | 24° 4 | 16°42 | 18°58 | 17°38 | 14°12 | 6°53 | S 9 |
| S 10 | 17 46 52 | 26°54'19 | 21°11 | 16° 1 | 26°40 | 11° 6 | 5°47 | 0°55 | 17°50 | 24° 5 | 16°43 | 18°D57 | 17°35 | 14°19 | 6°52 | S 10 |
| M11 | 17 50 49 | 27°51'30 | 3♎58 | 17°43 | 27°52 | 11°38 | 5°42 | 1° 0 | 17°51 | 24° 6 | 16°44 | 18°57 | 17°32 | 14°26 | 6°52 | M11 |
| T 12 | 17 54 46 | 28°48'40 | 16°24 | 19°23 | 29° 4 | 12°10 | 5°37 | 1° 5 | 17°53 | 24° 8 | 16°45 | 18°58 | 17°29 | 14°32 | 6°51 | T 12 |
| W13 | 17 58 42 | 29°45'51 | 28°34 | 21° 0 | 0♌16 | 12°43 | 5°33 | 1°11 | 17°54 | 24° 9 | 16°46 | 18°59 | 17°26 | 14°39 | 6°50 | W13 |
| T 14 | 18 2 39 | 0♋43'01 | 10♏33 | 22°36 | 1°28 | 13°16 | 5°28 | 1°16 | 17°56 | 24°10 | 16°48 | 19° 1 | 17°22 | 14°46 | 6°50 | T 14 |
| F 15 | 18 6 35 | 1°40'10 | 22°24 | 24° 9 | 2°40 | 13°48 | 5°23 | 1°21 | 17°57 | 24°11 | 16°49 | 19°R 1 | 17°19 | 14°52 | 6°49 | F 15 |
| S 16 | 18 10 32 | 2°37'20 | 4♐12 | 25°40 | 3°52 | 14°21 | 5°17 | 1°26 | 17°59 | 24°12 | 16°50 | 19° 0 | 17°16 | 14°59 | 6°48 | S 16 |
| S 17 | 18 14 28 | 3°34'29 | 16° 0 | 27° 9 | 5° 4 | 14°54 | 5°12 | 1°31 | 18° 0 | 24°13 | 16°51 | 18°56 | 17°13 | 15° 6 | 6°47 | S 17 |
| M18 | 18 18 25 | 4°31'38 | 27°51 | 28°35 | 6°15 | 15°28 | 5° 6 | 1°36 | 18° 2 | 24°14 | 16°52 | 18°51 | 17°10 | 15°12 | 6°46 | M18 |
| T 19 | 18 22 21 | 5°28'48 | 9♑46 | 29°59 | 7°27 | 16° 1 | 5° 1 | 1°41 | 18° 4 | 24°15 | 16°52 | 18°44 | 17° 6 | 15°19 | 6°45 | T 19 |
| W20 | 18 26 18 | 6°25'57 | 21°48 | 1♌21 | 8°39 | 16°34 | 4°55 | 1°45 | 18° 5 | 24°16 | 16°53 | 18°36 | 17° 3 | 15°26 | 6°44 | W20 |
| T 21 | 18 30 15 | 7°23'07 | 3♒58 | 2°40 | 9°50 | 17° 8 | 4°49 | 1°50 | 18° 7 | 24°17 | 16°54 | 18°27 | 17° 0 | 15°32 | 6°43 | T 21 |
| F 22 | 18 34 11 | 8°20'17 | 16°17 | 3°57 | 11° 2 | 17°42 | 4°43 | 1°54 | 18° 9 | 24°18 | 16°55 | 18°18 | 16°57 | 15°39 | 6°42 | F 22 |
| S 23 | 18 38 8 | 9°17'28 | 28°47 | 5°11 | 12°13 | 18°16 | 4°36 | 1°59 | 18°11 | 24°19 | 16°56 | 18°11 | 16°54 | 15°46 | 6°41 | S 23 |
| S 24 | 18 42 4 | 10°14'38 | 11♓30 | 6°23 | 13°25 | 18°50 | 4°30 | 2° 3 | 18°13 | 24°20 | 16°57 | 18° 5 | 16°51 | 15°52 | 6°40 | S 24 |
| M25 | 18 46 1 | 11°11'50 | 24°28 | 7°32 | 14°36 | 19°24 | 4°24 | 2° 8 | 18°15 | 24°21 | 16°58 | 18° 2 | 16°47 | 15°59 | 6°39 | M25 |
| T 26 | 18 49 57 | 12° 9'01 | 7♈43 | 8°39 | 15°47 | 19°58 | 4°17 | 2°12 | 18°17 | 24°21 | 16°59 | 18°D 1 | 16°44 | 16° 6 | 6°37 | T 26 |
| W27 | 18 53 54 | 13° 6'14 | 21°17 | 9°42 | 16°59 | 20°32 | 4°10 | 2°16 | 18°19 | 24°22 | 17° 0 | 18° 1 | 16°41 | 16°12 | 6°36 | W27 |
| T 28 | 18 57 50 | 14° 3'27 | 5♉13 | 10°43 | 18°10 | 21° 7 | 4° 4 | 2°20 | 18°21 | 24°23 | 17° 0 | 18° 2 | 16°38 | 16°19 | 6°35 | T 28 |
| F 29 | 19 1 47 | 15° 0'41 | 19°30 | 11°41 | 19°21 | 21°42 | 3°57 | 2°24 | 18°23 | 24°24 | 17° 1 | 18°R 2 | 16°35 | 16°26 | 6°33 | F 29 |
| S 30 | 19 5 44 | 15♋57'56 | 4♊ 7 | 12♌36 | 20♌32 | 22♍16 | 3♒50 | 2♉28 | 18♍25 | 24♈24 | 17♉ 2 | 18♏ 1 | 16♏32 | 16♐32 | 6♓32 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n 0 | 15n46 | 0n49 | 25n20 | 1n49 | 24n12 | 1n38 | 10n 9 | 1n 1 | 19s22 | 0s38 | 9n21 | 2s20 | 5n35 | 0n46 | 7n40 | 1s45 | 3n16 | 14s 8 | 17s38 | 17s16 | 20s17 | 3s57 | 5n27 |
| S 2 | 23 5 | 18 37 | 0s32 | 25 23 | 1 52 | 24 4 | 1 39 | 9 56 | 1 0 | 19 23 | 0 38 | 9 23 | 2 20 | 5 35 | 0 46 | 7 41 | 1 45 | 3 17 | 14 8 | 17 38 | 17 15 | 20 17 | 3 57 | 5 27 |
| S 3 | 23 9 | 20 13 | 1 52 | 25 24 | 1 55 | 23 55 | 1 40 | 9 43 | 0 59 | 19 24 | 0 38 | 9 25 | 2 20 | 5 34 | 0 45 | 7 41 | 1 45 | 3 17 | 14 8 | 17 37 | 17 14 | 20 17 | 3 56 | 5 27 |
| M 4 | 23 13 | 20 21 | 3 5 | 25 22 | 1 57 | 23 46 | 1 41 | 9 31 | 0 57 | 19 25 | 0 38 | 9 27 | 2 20 | 5 34 | 0 45 | 7 42 | 1 45 | 3 17 | 14 8 | 17 37 | 17 13 | 20 17 | 3 56 | 5 27 |
| T 5 | 23 17 | 19 1 | 4 5 | 25 18 | 1 58 | 23 36 | 1 42 | 9 18 | 0 56 | 19 26 | 0 38 | 9 28 | 2 20 | 5 33 | 0 45 | 7 42 | 1 45 | 3 17 | 14 8 | 17 36 | 17 12 | 20 17 | 3 56 | 5 28 |
| W 6 | 23 20 | 16 24 | 4 46 | 25 12 | 1 59 | 23 25 | 1 43 | 9 5 | 0 55 | 19 27 | 0 39 | 9 30 | 2 21 | 5 33 | 0 45 | 7 43 | 1 45 | 3 17 | 14 9 | 17 34 | 17 12 | 20 17 | 3 56 | 5 28 |
| T 7 | 23 23 | 12 48 | 5 8 | 25 3 | 1 58 | 23 14 | 1 43 | 8 52 | 0 54 | 19 28 | 0 39 | 9 32 | 2 21 | 5 32 | 0 45 | 7 43 | 1 45 | 3 17 | 14 9 | 17 33 | 17 11 | 20 17 | 3 56 | 5 28 |
| F 8 | 23 25 | 8 34 | 5 11 | 24 53 | 1 57 | 23 2 | 1 44 | 8 39 | 0 53 | 19 29 | 0 39 | 9 34 | 2 21 | 5 32 | 0 45 | 7 44 | 1 45 | 3 18 | 14 9 | 17 32 | 17 10 | 20 17 | 3 56 | 5 28 |
| S 9 | 23 27 | 4 2 | 4 55 | 24 40 | 1 56 | 22 50 | 1 44 | 8 26 | 0 52 | 19 30 | 0 39 | 9 36 | 2 21 | 5 31 | 0 45 | 7 44 | 1 45 | 3 18 | 14 9 | 17 31 | 17 9 | 20 17 | 3 56 | 5 29 |
| S 10 | 23 29 | 0s32 | 4 24 | 24 26 | 1 53 | 22 36 | 1 45 | 8 12 | 0 50 | 19 32 | 0 40 | 9 37 | 2 21 | 5 31 | 0 45 | 7 44 | 1 45 | 3 18 | 14 9 | 17 31 | 17 8 | 20 17 | 3 55 | 5 29 |
| M11 | 23 30 | 4 57 | 3 41 | 24 10 | 1 51 | 22 22 | 1 45 | 7 59 | 0 49 | 19 33 | 0 40 | 9 39 | 2 21 | 5 30 | 0 45 | 7 45 | 1 45 | 3 18 | 14 9 | 17 31 | 17 7 | 20 17 | 3 55 | 5 29 |
| T 12 | 23 31 | 9 3 | 2 48 | 23 53 | 1 47 | 22 8 | 1 46 | 7 46 | 0 48 | 19 34 | 0 40 | 9 41 | 2 22 | 5 30 | 0 45 | 7 45 | 1 45 | 3 18 | 14 9 | 17 31 | 17 6 | 20 17 | 3 55 | 5 29 |
| W13 | 23 31 | 12 42 | 1 49 | 23 34 | 1 43 | 21 53 | 1 46 | 7 32 | 0 47 | 19 36 | 0 40 | 9 42 | 2 22 | 5 29 | 0 45 | 7 46 | 1 46 | 3 18 | 14 10 | 17 31 | 17 5 | 20 17 | 3 55 | 5 30 |
| T 14 | 23 31 | 15 46 | 0 46 | 23 14 | 1 38 | 21 37 | 1 46 | 7 18 | 0 46 | 19 37 | 0 40 | 9 44 | 2 22 | 5 29 | 0 45 | 7 46 | 1 46 | 3 18 | 14 10 | 17 32 | 17 4 | 20 17 | 3 55 | 5 30 |
| F 15 | 23 30 | 18 8 | 0n18 | 22 52 | 1 33 | 21 21 | 1 46 | 7 5 | 0 45 | 19 39 | 0 41 | 9 46 | 2 22 | 5 28 | 0 45 | 7 46 | 1 46 | 3 18 | 14 10 | 17 32 | 17 4 | 20 17 | 3 55 | 5 30 |
| S 16 | 23 30 | 19 43 | 1 22 | 22 30 | 1 27 | 21 4 | 1 46 | 6 51 | 0 44 | 19 40 | 0 41 | 9 47 | 2 22 | 5 27 | 0 45 | 7 47 | 1 46 | 3 18 | 14 10 | 17 32 | 17 3 | 20 17 | 3 56 | 5 30 |
| S 17 | 23 28 | 20 27 | 2 21 | 22 7 | 1 20 | 20 47 | 1 46 | 6 37 | 0 43 | 19 42 | 0 41 | 9 49 | 2 23 | 5 27 | 0 45 | 7 47 | 1 46 | 3 19 | 14 10 | 17 31 | 17 2 | 20 17 | 3 56 | 5 31 |
| M18 | 23 26 | 20 16 | 3 14 | 21 43 | 1 13 | 20 29 | 1 46 | 6 23 | 0 42 | 19 43 | 0 41 | 9 50 | 2 23 | 5 26 | 0 45 | 7 47 | 1 46 | 3 19 | 14 10 | 17 29 | 17 1 | 20 17 | 3 56 | 5 31 |
| T 19 | 23 24 | 19 10 | 4 0 | 21 18 | 1 6 | 20 10 | 1 46 | 6 9 | 0 41 | 19 45 | 0 42 | 9 52 | 2 23 | 5 25 | 0 45 | 7 48 | 1 46 | 3 19 | 14 11 | 17 27 | 17 0 | 20 17 | 3 56 | 5 31 |
| W20 | 23 22 | 17 14 | 4 35 | 20 52 | 0 58 | 19 51 | 1 45 | 5 55 | 0 39 | 19 47 | 0 42 | 9 53 | 2 23 | 5 25 | 0 45 | 7 48 | 1 46 | 3 19 | 14 11 | 17 25 | 16 59 | 20 17 | 3 56 | 5 31 |
| T 21 | 23 19 | 14 30 | 4 57 | 20 26 | 0 49 | 19 32 | 1 45 | 5 41 | 0 38 | 19 48 | 0 42 | 9 54 | 2 23 | 5 24 | 0 45 | 7 48 | 1 46 | 3 19 | 14 11 | 17 22 | 16 58 | 20 17 | 3 56 | 5 32 |
| F 22 | 23 15 | 11 7 | 5 7 | 19 59 | 0 41 | 19 11 | 1 44 | 5 27 | 0 37 | 19 50 | 0 42 | 9 56 | 2 24 | 5 23 | 0 45 | 7 48 | 1 46 | 3 19 | 14 11 | 17 20 | 16 57 | 20 17 | 3 56 | 5 32 |
| S 23 | 23 11 | 7 13 | 5 2 | 19 32 | 0 31 | 18 51 | 1 44 | 5 13 | 0 36 | 19 52 | 0 42 | 9 57 | 2 24 | 5 22 | 0 45 | 7 49 | 1 46 | 3 19 | 14 11 | 17 18 | 16 56 | 20 17 | 3 57 | 5 32 |
| S 24 | 23 7 | 2 56 | 4 42 | 19 5 | 0 21 | 18 30 | 1 43 | 4 59 | 0 35 | 19 53 | 0 43 | 9 58 | 2 24 | 5 22 | 0 45 | 7 49 | 1 46 | 3 19 | 14 12 | 17 17 | 16 55 | 20 17 | 3 57 | 5 32 |
| M25 | 23 3 | 1n35 | 4 7 | 18 38 | 0 11 | 18 8 | 1 42 | 4 44 | 0 34 | 19 55 | 0 43 | 10 0 | 2 24 | 5 21 | 0 45 | 7 49 | 1 46 | 3 19 | 14 12 | 17 16 | 16 54 | 20 17 | 3 57 | 5 33 |
| T 26 | 22 58 | 6 7 | 3 19 | 18 10 | 0 0 | 17 46 | 1 42 | 4 30 | 0 33 | 19 57 | 0 43 | 10 1 | 2 24 | 5 20 | 0 45 | 7 49 | 1 46 | 3 19 | 14 12 | 17 15 | 16 54 | 20 16 | 3 57 | 5 33 |
| W27 | 22 52 | 10 28 | 2 19 | 17 43 | 0s11 | 17 24 | 1 41 | 4 15 | 0 32 | 19 59 | 0 43 | 10 2 | 2 25 | 5 19 | 0 44 | 7 50 | 1 46 | 3 19 | 14 12 | 17 15 | 16 53 | 20 16 | 3 58 | 5 33 |
| T 28 | 22 46 | 14 23 | 1 8 | 17 15 | 0 22 | 17 1 | 1 40 | 4 1 | 0 31 | 20 0 | 0 43 | 10 3 | 2 25 | 5 18 | 0 44 | 7 50 | 1 46 | 3 19 | 14 13 | 17 15 | 16 52 | 20 16 | 3 58 | 5 33 |
| F 29 | 22 40 | 17 32 | 0s 8 | 16 48 | 0 34 | 16 37 | 1 39 | 3 46 | 0 30 | 20 2 | 0 44 | 10 4 | 2 25 | 5 17 | 0 44 | 7 50 | 1 46 | 3 19 | 14 13 | 17 16 | 16 51 | 20 16 | 3 58 | 5 33 |
| S 30 | 22n34 | 19n39 | 1s25 | 16n21 | 0s46 | 16n14 | 1n37 | 3n31 | 0n29 | 20s 4 | 0s44 | 10n 6 | 2s25 | 5n17 | 0n44 | 7n50 | 1s47 | 3n19 | 14s13 | 17s15 | 16s50 | 20s16 | 3s59 | 5n34 |

Julian Day Number = 2225254.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'52, Lahiri = 15°12'52 Julian Calendar 1 June 1380 == Greg. Calendar 9 June 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## JULY 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 9 40 | 16♋55'11 | 19♊ 0 | 13♌28 | 21♌43 | 22♍51 | 3°R43 | 2♉32 | 18♍27 | 24♈25 | 17♉ 3 | 17°R58 | 16♏28 | 16♐39 | 6°R30 | S 1 |
| M 2 | 19 13 37 | 17°52'27 | 4♋ 3 | 14°16 | 22°55 | 23°26 | 3♒35 | 2°35 | 18°29 | 24°26 | 17° 4 | 17♏52 | 16°25 | 16°46 | 6♓28 | M 2 |
| T 3 | 19 17 33 | 18°49'44 | 19° 6 | 15° 1 | 24° 6 | 24° 1 | 3°28 | 2°39 | 18°32 | 24°26 | 17° 4 | 17°45 | 16°22 | 16°52 | 6°27 | T 3 |
| W 4 | 19 21 30 | 19°47'01 | 4♌ 0 | 15°42 | 25°16 | 24°36 | 3°21 | 2°43 | 18°34 | 24°27 | 17° 5 | 17°35 | 16°19 | 16°59 | 6°25 | W 4 |
| T 5 | 19 25 26 | 20°44'19 | 18°36 | 16°19 | 26°27 | 25°12 | 3°13 | 2°46 | 18°36 | 24°27 | 17° 6 | 17°26 | 16°16 | 17° 6 | 6°23 | T 5 |
| F 6 | 19 29 23 | 21°41'37 | 2♍48 | 16°53 | 27°38 | 25°47 | 3° 6 | 2°49 | 18°39 | 24°28 | 17° 6 | 17°17 | 16°12 | 17°12 | 6°22 | F 6 |
| S 7 | 19 33 19 | 22°38'56 | 16°32 | 17°22 | 28°49 | 26°23 | 2°58 | 2°53 | 18°41 | 24°28 | 17° 7 | 17°11 | 16° 9 | 17°19 | 6°20 | S 7 |
| S 8 | 19 37 16 | 23°36'15 | 29°48 | 17°47 | 29°59 | 26°58 | 2°51 | 2°56 | 18°44 | 24°28 | 17° 8 | 17° 6 | 16° 6 | 17°26 | 6°18 | S 8 |
| M 9 | 19 41 13 | 24°33'34 | 12♎37 | 18° 8 | 1♍10 | 27°34 | 2°43 | 2°59 | 18°46 | 24°29 | 17° 8 | 17° 4 | 16° 3 | 17°32 | 6°16 | M 9 |
| T 10 | 19 45 9 | 25°30'54 | 25° 4 | 18°24 | 2°21 | 28°10 | 2°36 | 3° 2 | 18°49 | 24°29 | 17° 9 | 17°D 3 | 16° 0 | 17°39 | 6°14 | T 10 |
| W11 | 19 49 6 | 26°28'15 | 7♏13 | 18°35 | 3°31 | 28°46 | 2°28 | 3° 5 | 18°52 | 24°29 | 17°10 | 17° 3 | 15°57 | 17°46 | 6°12 | W11 |
| T 12 | 19 53 2 | 27°25'36 | 19°11 | 18°42 | 4°42 | 29°22 | 2°20 | 3° 8 | 18°54 | 24°30 | 17°10 | 17°R 3 | 15°53 | 17°52 | 6°10 | T 12 |
| F 13 | 19 56 59 | 28°22'57 | 1♐ 1 | 18°R43 | 5°52 | 29°59 | 2°12 | 3°10 | 18°57 | 24°30 | 17°11 | 17° 3 | 15°50 | 17°59 | 6° 8 | F 13 |
| S 14 | 20 0 55 | 29°20'20 | 12°48 | 18°39 | 7° 3 | 0♎35 | 2° 5 | 3°13 | 19° 0 | 24°30 | 17°11 | 17° 0 | 15°47 | 18° 6 | 6° 6 | S 14 |
| S 15 | 20 4 52 | 0♌17'43 | 24°38 | 18°30 | 8°13 | 1°11 | 1°57 | 3°15 | 19° 2 | 24°30 | 17°12 | 16°54 | 15°44 | 18°12 | 6° 4 | S 15 |
| M16 | 20 8 48 | 1°15'07 | 6♑33 | 18°16 | 9°23 | 1°48 | 1°49 | 3°18 | 19° 5 | 24°31 | 17°12 | 16°46 | 15°41 | 18°19 | 6° 1 | M16 |
| T 17 | 20 12 45 | 2°12'31 | 18°37 | 17°57 | 10°33 | 2°24 | 1°41 | 3°20 | 19° 8 | 24°31 | 17°13 | 16°36 | 15°38 | 18°26 | 5°59 | T 17 |
| W18 | 20 16 42 | 3° 9'57 | 0♒49 | 17°32 | 11°43 | 3° 1 | 1°34 | 3°22 | 19°11 | 24°31 | 17°13 | 16°24 | 15°34 | 18°32 | 5°57 | W18 |
| T 19 | 20 20 38 | 4° 7'23 | 13°13 | 17° 3 | 12°53 | 3°38 | 1°26 | 3°24 | 19°14 | 24°31 | 17°14 | 16°11 | 15°31 | 18°39 | 5°55 | T 19 |
| F 20 | 20 24 35 | 5° 4'51 | 25°47 | 16°29 | 14° 3 | 4°15 | 1°18 | 3°26 | 19°17 | 24°R31 | 17°14 | 15°58 | 15°28 | 18°46 | 5°52 | F 20 |
| S 21 | 20 28 31 | 6° 2'20 | 8♓33 | 15°51 | 15°13 | 4°52 | 1°10 | 3°28 | 19°20 | 24°31 | 17°14 | 15°47 | 15°25 | 18°52 | 5°50 | S 21 |
| S 22 | 20 32 28 | 6°59'50 | 21°30 | 15° 9 | 16°22 | 5°29 | 1° 2 | 3°30 | 19°23 | 24°31 | 17°15 | 15°39 | 15°22 | 18°59 | 5°47 | S 22 |
| M23 | 20 36 24 | 7°57'21 | 4♈39 | 14°25 | 17°32 | 6° 6 | 0°55 | 3°32 | 19°26 | 24°31 | 17°15 | 15°33 | 15°18 | 19° 6 | 5°45 | M23 |
| T 24 | 20 40 21 | 8°54'54 | 18° 0 | 13°38 | 18°42 | 6°44 | 0°47 | 3°33 | 19°29 | 24°31 | 17°15 | 15°30 | 15°15 | 19°12 | 5°43 | T 24 |
| W25 | 20 44 17 | 9°52'28 | 1♉36 | 12°49 | 19°51 | 7°21 | 0°39 | 3°35 | 19°32 | 24°30 | 17°16 | 15°28 | 15°12 | 19°19 | 5°40 | W25 |
| T 26 | 20 48 14 | 10°50'04 | 15°26 | 12° 0 | 21° 0 | 7°59 | 0°32 | 3°36 | 19°35 | 24°30 | 17°16 | 15°28 | 15° 9 | 19°26 | 5°38 | T 26 |
| F 27 | 20 52 11 | 11°47'41 | 29°31 | 11°10 | 22°10 | 8°36 | 0°24 | 3°38 | 19°38 | 24°30 | 17°16 | 15°28 | 15° 6 | 19°32 | 5°35 | F 27 |
| S 28 | 20 56 7 | 12°45'20 | 13♊52 | 10°22 | 23°19 | 9°14 | 0°17 | 3°39 | 19°41 | 24°30 | 17°17 | 15°26 | 15° 3 | 19°39 | 5°32 | S 28 |
| S 29 | 21 0 4 | 13°43'01 | 28°26 | 9°36 | 24°28 | 9°52 | 0° 9 | 3°40 | 19°45 | 24°29 | 17°17 | 15°22 | 14°59 | 19°46 | 5°30 | S 29 |
| M30 | 21 4 0 | 14°40'43 | 13♋ 7 | 8°54 | 25°37 | 10°30 | 0° 2 | 3°41 | 19°48 | 24°29 | 17°17 | 15°15 | 14°56 | 19°52 | 5°27 | M30 |
| T 31 | 21 7 57 | 15♌38'26 | 27♋51 | 8♌15 | 26♍46 | 11♎ 8 | 29♑55 | 3♉42 | 19♍51 | 24♈29 | 17♉17 | 15♏ 6 | 14♏53 | 19♐59 | 5♓25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n27 | 20n26 | 2s38 | 15n55 | 0s58 | 15n50 | 1n36 | 3n17 | 0n28 | 20s 6 | 0s44 | 10n 7 | 2s26 | 5n16 | 0n44 | 7n50 | 1s47 | 3n19 | 14s13 | 17s14 | 16s49 | 20s16 | 3s59 | 5n34 |
| M 2 | 22 19 | 19 47 | 3 40 | 15 29 | 1 10 | 15 25 | 1 35 | 3 2 | 0 27 | 20 8 | 0 44 | 10 8 | 2 26 | 5 15 | 0 44 | 7 51 | 1 47 | 3 19 | 14 13 | 17 13 | 16 48 | 20 16 | 3 59 | 5 34 |
| T 3 | 22 11 | 17 44 | 4 27 | 15 4 | 1 23 | 15 0 | 1 33 | 2 47 | 0 26 | 20 10 | 0 44 | 10 9 | 2 26 | 5 14 | 0 44 | 7 51 | 1 47 | 3 19 | 14 14 | 17 11 | 16 47 | 20 16 | 4 0 | 5 34 |
| W 4 | 22 3 | 14 32 | 4 56 | 14 39 | 1 36 | 14 35 | 1 32 | 2 32 | 0 25 | 20 11 | 0 44 | 10 10 | 2 26 | 5 13 | 0 44 | 7 51 | 1 47 | 3 19 | 14 14 | 17 8 | 16 46 | 20 16 | 4 0 | 5 34 |
| T 5 | 21 55 | 10 29 | 5 4 | 14 15 | 1 49 | 14 9 | 1 30 | 2 17 | 0 24 | 20 13 | 0 45 | 10 11 | 2 27 | 5 12 | 0 44 | 7 51 | 1 47 | 3 19 | 14 14 | 17 5 | 16 45 | 20 16 | 4 1 | 5 35 |
| F 6 | 21 46 | 5 57 | 4 53 | 13 53 | 2 3 | 13 43 | 1 28 | 2 2 | 0 23 | 20 15 | 0 45 | 10 12 | 2 27 | 5 11 | 0 44 | 7 51 | 1 47 | 3 19 | 14 14 | 17 3 | 16 44 | 20 15 | 4 1 | 5 35 |
| S 7 | 21 37 | 1 15 | 4 26 | 13 31 | 2 16 | 13 17 | 1 27 | 1 47 | 0 22 | 20 17 | 0 45 | 10 12 | 2 27 | 5 10 | 0 44 | 7 51 | 1 47 | 3 19 | 14 15 | 17 1 | 16 44 | 20 15 | 4 2 | 5 35 |
| S 8 | 21 27 | 3s21 | 3 44 | 13 11 | 2 29 | 12 50 | 1 25 | 1 32 | 0 22 | 20 19 | 0 45 | 10 13 | 2 27 | 5 9 | 0 44 | 7 51 | 1 47 | 3 19 | 14 15 | 17 0 | 16 43 | 20 15 | 4 2 | 5 35 |
| M 9 | 21 17 | 7 39 | 2 53 | 12 52 | 2 43 | 12 23 | 1 23 | 1 17 | 0 21 | 20 21 | 0 45 | 10 14 | 2 28 | 5 8 | 0 44 | 7 51 | 1 47 | 3 19 | 14 15 | 16 59 | 16 42 | 20 15 | 4 3 | 5 35 |
| T 10 | 21 6 | 11 30 | 1 54 | 12 35 | 2 56 | 11 56 | 1 21 | 1 2 | 0 20 | 20 23 | 0 45 | 10 15 | 2 28 | 5 7 | 0 44 | 7 52 | 1 47 | 3 19 | 14 15 | 16 59 | 16 41 | 20 15 | 4 3 | 5 35 |
| W11 | 20 56 | 14 47 | 0 52 | 12 19 | 3 9 | 11 28 | 1 19 | 0 47 | 0 19 | 20 25 | 0 46 | 10 16 | 2 28 | 5 6 | 0 44 | 7 52 | 1 47 | 3 19 | 14 16 | 16 59 | 16 40 | 20 15 | 4 4 | 5 36 |
| T 12 | 20 45 | 17 24 | 0n11 | 12 5 | 3 21 | 11 0 | 1 16 | 0 31 | 0 18 | 20 27 | 0 46 | 10 16 | 2 28 | 5 5 | 0 44 | 7 52 | 1 47 | 3 18 | 14 16 | 16 59 | 16 39 | 20 15 | 4 5 | 5 36 |
| F 13 | 20 33 | 19 14 | 1 14 | 11 52 | 3 34 | 10 32 | 1 14 | 0 16 | 0 17 | 20 29 | 0 46 | 10 17 | 2 28 | 5 4 | 0 44 | 7 52 | 1 47 | 3 18 | 14 16 | 16 59 | 16 38 | 20 14 | 4 5 | 5 36 |
| S 14 | 20 21 | 20 13 | 2 12 | 11 42 | 3 46 | 10 4 | 1 12 | 0 1 | 0 16 | 20 31 | 0 46 | 10 18 | 2 29 | 5 3 | 0 44 | 7 52 | 1 47 | 3 18 | 14 16 | 16 58 | 16 37 | 20 14 | 4 6 | 5 36 |
| S 15 | 20 9 | 20 19 | 3 6 | 11 34 | 3 57 | 9 35 | 1 9 | 0s15 | 0 15 | 20 32 | 0 46 | 10 18 | 2 29 | 5 1 | 0 44 | 7 52 | 1 47 | 3 18 | 14 17 | 16 56 | 16 36 | 20 14 | 4 6 | 5 36 |
| M16 | 19 57 | 19 31 | 3 51 | 11 29 | 4 8 | 9 6 | 1 7 | 0 30 | 0 14 | 20 34 | 0 46 | 10 19 | 2 29 | 5 0 | 0 44 | 7 52 | 1 48 | 3 18 | 14 17 | 16 54 | 16 35 | 20 14 | 4 7 | 5 36 |
| T 17 | 19 44 | 17 49 | 4 26 | 11 25 | 4 17 | 8 37 | 1 4 | 0 45 | 0 13 | 20 36 | 0 46 | 10 19 | 2 29 | 4 59 | 0 44 | 7 52 | 1 48 | 3 18 | 14 17 | 16 51 | 16 34 | 20 14 | 4 8 | 5 36 |
| W18 | 19 31 | 15 19 | 4 50 | 11 24 | 4 26 | 8 8 | 1 1 | 1 1 | 0 12 | 20 38 | 0 47 | 10 20 | 2 30 | 4 58 | 0 44 | 7 52 | 1 48 | 3 18 | 14 17 | 16 48 | 16 33 | 20 14 | 4 8 | 5 37 |
| T 19 | 19 17 | 12 6 | 5 0 | 11 26 | 4 34 | 7 39 | 0 59 | 1 16 | 0 12 | 20 40 | 0 47 | 10 20 | 2 30 | 4 57 | 0 44 | 7 52 | 1 48 | 3 18 | 14 18 | 16 44 | 16 32 | 20 13 | 4 9 | 5 37 |
| F 20 | 19 4 | 8 19 | 4 56 | 11 30 | 4 40 | 7 9 | 0 56 | 1 32 | 0 11 | 20 42 | 0 47 | 10 21 | 2 30 | 4 56 | 0 44 | 7 52 | 1 48 | 3 18 | 14 18 | 16 40 | 16 32 | 20 13 | 4 10 | 5 37 |
| S 21 | 18 49 | 4 6 | 4 38 | 11 36 | 4 45 | 6 39 | 0 53 | 1 47 | 0 10 | 20 44 | 0 47 | 10 21 | 2 31 | 4 54 | 0 44 | 7 51 | 1 48 | 3 17 | 14 18 | 16 37 | 16 31 | 20 13 | 4 11 | 5 37 |
| S 22 | 18 35 | 0n22 | 4 5 | 11 45 | 4 48 | 6 10 | 0 50 | 2 3 | 0 9 | 20 45 | 0 47 | 10 22 | 2 31 | 4 53 | 0 44 | 7 51 | 1 48 | 3 17 | 14 18 | 16 35 | 16 30 | 20 13 | 4 11 | 5 37 |
| M23 | 18 20 | 4 53 | 3 18 | 11 56 | 4 50 | 5 39 | 0 47 | 2 19 | 0 8 | 20 47 | 0 47 | 10 22 | 2 31 | 4 52 | 0 44 | 7 51 | 1 48 | 3 17 | 14 19 | 16 33 | 16 29 | 20 13 | 4 12 | 5 37 |
| T 24 | 18 5 | 9 14 | 2 20 | 12 10 | 4 49 | 5 9 | 0 43 | 2 34 | 0 7 | 20 49 | 0 47 | 10 22 | 2 31 | 4 51 | 0 44 | 7 51 | 1 48 | 3 17 | 14 19 | 16 32 | 16 28 | 20 12 | 4 13 | 5 37 |
| W25 | 17 50 | 13 12 | 1 13 | 12 25 | 4 48 | 4 39 | 0 40 | 2 50 | 0 6 | 20 51 | 0 47 | 10 23 | 2 32 | 4 50 | 0 44 | 7 51 | 1 48 | 3 17 | 14 19 | 16 32 | 16 27 | 20 12 | 4 14 | 5 37 |
| T 26 | 17 34 | 16 31 | 0 0 | 12 42 | 4 44 | 4 8 | 0 37 | 3 5 | 0 5 | 20 53 | 0 47 | 10 23 | 2 32 | 4 48 | 0 44 | 7 51 | 1 48 | 3 17 | 14 19 | 16 32 | 16 26 | 20 12 | 4 15 | 5 37 |
| F 27 | 17 18 | 18 55 | 1s14 | 13 1 | 4 38 | 3 38 | 0 33 | 3 21 | 0 5 | 20 54 | 0 48 | 10 23 | 2 32 | 4 47 | 0 44 | 7 51 | 1 48 | 3 16 | 14 20 | 16 32 | 16 25 | 20 12 | 4 16 | 5 38 |
| S 28 | 17 2 | 20 9 | 2 24 | 13 21 | 4 30 | 3 7 | 0 30 | 3 37 | 0 4 | 20 56 | 0 48 | 10 23 | 2 32 | 4 46 | 0 44 | 7 51 | 1 48 | 3 16 | 14 20 | 16 31 | 16 24 | 20 12 | 4 16 | 5 38 |
| S 29 | 16 46 | 20 4 | 3 26 | 13 42 | 4 21 | 2 37 | 0 26 | 3 52 | 0 3 | 20 58 | 0 48 | 10 23 | 2 33 | 4 44 | 0 43 | 7 51 | 1 48 | 3 16 | 14 20 | 16 30 | 16 23 | 20 11 | 4 17 | 5 38 |
| M30 | 16 29 | 18 38 | 4 15 | 14 4 | 4 10 | 2 6 | 0 23 | 4 8 | 0 2 | 20 59 | 0 48 | 10 23 | 2 33 | 4 43 | 0 43 | 7 50 | 1 48 | 3 16 | 14 20 | 16 28 | 16 22 | 20 11 | 4 18 | 5 38 |
| T 31 | 16n12 | 15n58 | 4s47 | 14n26 | 3s58 | 1n35 | 0n19 | 4s24 | 0n 1 | 21s 1 | 0s48 | 10n23 | 2s33 | 4n42 | 0n43 | 7n50 | 1s48 | 3n16 | 14s21 | 16s25 | 16s21 | 20s11 | 4s19 | 5n38 |

Julian Day Number = 2225284.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°05'56, Lahiri = 15°12'56 Julian Calendar 1 July 1380 == Greg. Calendar 9 July 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## AUGUST 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 11 53 | 16♌36'11 | 12♌30 | 7°R41 | 27♍55 | 11♎46 | 29°R48 | 3♉42 | 19♍54 | 24°R28 | 17♉17 | 14°R55 | 14♏50 | 20♐ 6 | 5°R22 | W 1 |
| T 2 | 21 15 50 | 17°33'58 | 26°55 | 7♌12 | 29° 4 | 12°24 | 29♋41 | 3°43 | 19°58 | 24♈28 | 17°18 | 14♏43 | 14°47 | 20°12 | 5♓19 | T 2 |
| F 3 | 21 19 46 | 18°31'45 | 11♍ 0 | 6°50 | 0♎12 | 13° 2 | 29°34 | 3°44 | 20° 1 | 24°28 | 17°18 | 14°32 | 14°44 | 20°19 | 5°17 | F 3 |
| S 4 | 21 23 43 | 19°29'34 | 24°40 | 6°34 | 1°21 | 13°41 | 29°27 | 3°44 | 20° 4 | 24°27 | 17°18 | 14°23 | 14°40 | 20°26 | 5°14 | S 4 |
| S 5 | 21 27 40 | 20°27'25 | 7♎55 | 6°26 | 2°29 | 14°19 | 29°20 | 3°44 | 20° 8 | 24°27 | 17°18 | 14°17 | 14°37 | 20°32 | 5°11 | S 5 |
| M 6 | 21 31 36 | 21°25'16 | 20°45 | 6°D25 | 3°38 | 14°58 | 29°13 | 3°45 | 20°11 | 24°26 | 17°18 | 14°13 | 14°34 | 20°39 | 5° 8 | M 6 |
| T 7 | 21 35 33 | 22°23'09 | 3♏14 | 6°32 | 4°46 | 15°37 | 29° 6 | 3°45 | 20°15 | 24°25 | 17°18 | 14°11 | 14°31 | 20°46 | 5° 6 | T 7 |
| W 8 | 21 39 29 | 23°21'03 | 15°24 | 6°47 | 5°54 | 16°15 | 29° 0 | 3°R45 | 20°18 | 24°25 | 17°18 | 14°D11 | 14°28 | 20°52 | 5° 3 | W 8 |
| T 9 | 21 43 26 | 24°18'59 | 27°22 | 7°10 | 7° 2 | 16°54 | 28°54 | 3°45 | 20°22 | 24°24 | 17°R18 | 14°R11 | 14°24 | 20°59 | 5° 0 | T 9 |
| F 10 | 21 47 22 | 25°16'56 | 9♐13 | 7°41 | 8°10 | 17°33 | 28°47 | 3°44 | 20°25 | 24°24 | 17°18 | 14°10 | 14°21 | 21° 6 | 4°57 | F 10 |
| S 11 | 21 51 19 | 26°14'54 | 21° 2 | 8°20 | 9°18 | 18°12 | 28°41 | 3°44 | 20°29 | 24°23 | 17°18 | 14° 8 | 14°18 | 21°12 | 4°54 | S 11 |
| S 12 | 21 55 15 | 27°12'54 | 2♑55 | 9° 6 | 10°25 | 18°51 | 28°35 | 3°44 | 20°32 | 24°22 | 17°18 | 14° 3 | 14°15 | 21°19 | 4°51 | S 12 |
| M13 | 21 59 12 | 28°10'55 | 14°54 | 10° 0 | 11°33 | 19°31 | 28°29 | 3°43 | 20°36 | 24°21 | 17°18 | 13°55 | 14°12 | 21°26 | 4°49 | M13 |
| T 14 | 22 3 9 | 29° 8'57 | 27° 5 | 11° 1 | 12°40 | 20°10 | 28°24 | 3°42 | 20°39 | 24°21 | 17°18 | 13°46 | 14° 9 | 21°32 | 4°46 | T 14 |
| W15 | 22 7 5 | 0♍ 7'01 | 9♒29 | 12° 9 | 13°47 | 20°49 | 28°18 | 3°42 | 20°43 | 24°20 | 17°18 | 13°34 | 14° 5 | 21°39 | 4°43 | W15 |
| T 16 | 22 11 2 | 1° 5'07 | 22° 7 | 13°23 | 14°54 | 21°29 | 28°13 | 3°41 | 20°46 | 24°19 | 17°17 | 13°22 | 14° 2 | 21°46 | 4°40 | T 16 |
| F 17 | 22 14 58 | 2° 3'14 | 4♓59 | 14°43 | 16° 1 | 22° 8 | 28° 7 | 3°40 | 20°50 | 24°18 | 17°17 | 13°10 | 13°59 | 21°52 | 4°37 | F 17 |
| S 18 | 22 18 55 | 3° 1'23 | 18° 5 | 16° 9 | 17° 8 | 22°48 | 28° 2 | 3°39 | 20°54 | 24°17 | 17°17 | 12°59 | 13°56 | 21°59 | 4°34 | S 18 |
| S 19 | 22 22 51 | 3°59'34 | 1♈24 | 17°39 | 18°15 | 23°28 | 27°57 | 3°38 | 20°57 | 24°16 | 17°17 | 12°51 | 13°53 | 22° 6 | 4°31 | S 19 |
| M20 | 22 26 48 | 4°57'46 | 14°53 | 19°14 | 19°21 | 24° 8 | 27°52 | 3°36 | 21° 1 | 24°15 | 17°17 | 12°45 | 13°49 | 22°12 | 4°29 | M20 |
| T 21 | 22 30 44 | 5°56'01 | 28°31 | 20°53 | 20°27 | 24°47 | 27°48 | 3°35 | 21° 5 | 24°14 | 17°16 | 12°42 | 13°46 | 22°19 | 4°26 | T 21 |
| W22 | 22 34 41 | 6°54'18 | 12♉18 | 22°35 | 21°34 | 25°27 | 27°43 | 3°34 | 21° 8 | 24°13 | 17°16 | 12°D42 | 13°43 | 22°26 | 4°23 | W22 |
| T 23 | 22 38 37 | 7°52'37 | 26°14 | 24°20 | 22°40 | 26° 7 | 27°39 | 3°32 | 21°12 | 24°12 | 17°16 | 12°42 | 13°40 | 22°32 | 4°20 | T 23 |
| F 24 | 22 42 34 | 8°50'58 | 10♊17 | 26° 7 | 23°46 | 26°48 | 27°35 | 3°30 | 21°16 | 24°11 | 17°16 | 12°R42 | 13°37 | 22°39 | 4°17 | F 24 |
| S 25 | 22 46 31 | 9°49'21 | 24°27 | 27°56 | 24°51 | 27°28 | 27°31 | 3°29 | 21°20 | 24°10 | 17°15 | 12°41 | 13°34 | 22°46 | 4°14 | S 25 |
| S 26 | 22 50 27 | 10°47'47 | 8♋43 | 29°46 | 25°57 | 28° 8 | 27°27 | 3°27 | 21°23 | 24° 9 | 17°15 | 12°38 | 13°30 | 22°52 | 4°11 | S 26 |
| M27 | 22 54 24 | 11°46'15 | 23° 2 | 1♍38 | 27° 2 | 28°49 | 27°23 | 3°25 | 21°27 | 24° 8 | 17°15 | 12°33 | 13°27 | 22°59 | 4° 9 | M27 |
| T 28 | 22 58 20 | 12°44'44 | 7♌20 | 3°30 | 28° 7 | 29°29 | 27°20 | 3°23 | 21°31 | 24° 7 | 17°14 | 12°26 | 13°24 | 23° 6 | 4° 6 | T 28 |
| W29 | 23 2 17 | 13°43'16 | 21°33 | 5°23 | 29°12 | 0♏10 | 27°17 | 3°20 | 21°35 | 24° 6 | 17°14 | 12°16 | 13°21 | 23°12 | 4° 3 | W29 |
| T 30 | 23 6 13 | 14°41'50 | 5♍35 | 7°16 | 0♏17 | 0°50 | 27°14 | 3°18 | 21°38 | 24° 5 | 17°13 | 12° 7 | 13°18 | 23°19 | 4° 0 | T 30 |
| F 31 | 23 10 10 | 15♍40'26 | 19♍21 | 9♍ 9 | 1♏22 | 1♏31 | 27♋11 | 3♉16 | 21♍42 | 24♈ 3 | 17♉13 | 11♏58 | 13♏15 | 23♐26 | 3♓57 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n55 | 12n18 | 5s 0 | 14n48 | 3s44 | 1n 4 | 0n15 | 4s40 | 0n 0 | 21s 3 | 0s48 | 10n23 | 2s33 | 4n40 | 0n43 | 7n50 | 1s49 | 3n15 | 14s21 | 16s22 | 16s20 | 20s11 | 4s20 | 5n38 |
| T 2 | 15 37 | 7 59 | 4 54 | 15 10 | 3 29 | 0 33 | 0 12 | 4 55 | 0s 0 | 21 4 | 0 48 | 10 23 | 2 34 | 4 39 | 0 43 | 7 50 | 1 49 | 3 15 | 14 21 | 16 18 | 16 19 | 20 11 | 4 21 | 5 38 |
| F 3 | 15 19 | 3 19 | 4 30 | 15 31 | 3 13 | 0 2 | 0 8 | 5 11 | 0 1 | 21 6 | 0 48 | 10 23 | 2 34 | 4 38 | 0 43 | 7 50 | 1 49 | 3 15 | 14 22 | 16 15 | 16 18 | 20 10 | 4 22 | 5 38 |
| S 4 | 15 1 | 1s24 | 3 50 | 15 51 | 2 56 | 0s29 | 0 4 | 5 27 | 0 2 | 21 7 | 0 48 | 10 23 | 2 34 | 4 36 | 0 43 | 7 49 | 1 49 | 3 15 | 14 22 | 16 12 | 16 18 | 20 10 | 4 23 | 5 38 |
| S 5 | 14 43 | 5 54 | 2 59 | 16 10 | 2 39 | 1 0 | 0s 0 | 5 42 | 0 3 | 21 9 | 0 48 | 10 23 | 2 34 | 4 35 | 0 43 | 7 49 | 1 49 | 3 14 | 14 22 | 16 11 | 16 17 | 20 10 | 4 24 | 5 38 |
| M 6 | 14 25 | 10 0 | 2 1 | 16 27 | 2 21 | 1 31 | 0 4 | 5 58 | 0 4 | 21 10 | 0 48 | 10 23 | 2 35 | 4 34 | 0 43 | 7 49 | 1 49 | 3 14 | 14 22 | 16 9 | 16 16 | 20 10 | 4 25 | 5 38 |
| T 7 | 14 6 | 13 32 | 0 58 | 16 43 | 2 3 | 2 2 | 0 8 | 6 14 | 0 4 | 21 12 | 0 48 | 10 23 | 2 35 | 4 32 | 0 43 | 7 49 | 1 49 | 3 14 | 14 23 | 16 9 | 16 15 | 20 9 | 4 26 | 5 38 |
| W 8 | 13 47 | 16 24 | 0n 6 | 16 57 | 1 45 | 2 33 | 0 13 | 6 30 | 0 5 | 21 13 | 0 48 | 10 22 | 2 35 | 4 31 | 0 43 | 7 48 | 1 49 | 3 14 | 14 23 | 16 9 | 16 14 | 20 9 | 4 27 | 5 38 |
| T 9 | 13 28 | 18 31 | 1 9 | 17 8 | 1 27 | 3 3 | 0 17 | 6 45 | 0 6 | 21 14 | 0 49 | 10 22 | 2 35 | 4 30 | 0 43 | 7 48 | 1 49 | 3 13 | 14 23 | 16 9 | 16 13 | 20 9 | 4 28 | 5 38 |
| F 10 | 13 8 | 19 47 | 2 9 | 17 17 | 1 10 | 3 34 | 0 21 | 7 1 | 0 7 | 21 16 | 0 49 | 10 22 | 2 36 | 4 28 | 0 43 | 7 48 | 1 49 | 3 13 | 14 23 | 16 9 | 16 12 | 20 8 | 4 29 | 5 38 |
| S 11 | 12 49 | 20 11 | 3 2 | 17 24 | 0 52 | 4 5 | 0 25 | 7 17 | 0 8 | 21 17 | 0 49 | 10 21 | 2 36 | 4 27 | 0 43 | 7 47 | 1 49 | 3 13 | 14 24 | 16 8 | 16 11 | 20 8 | 4 30 | 5 38 |
| S 12 | 12 29 | 19 41 | 3 48 | 17 28 | 0 36 | 4 36 | 0 30 | 7 32 | 0 8 | 21 18 | 0 49 | 10 21 | 2 36 | 4 25 | 0 43 | 7 47 | 1 49 | 3 13 | 14 24 | 16 6 | 16 10 | 20 8 | 4 31 | 5 38 |
| M13 | 12 9 | 18 18 | 4 24 | 17 29 | 0 20 | 5 6 | 0 34 | 7 48 | 0 9 | 21 20 | 0 49 | 10 21 | 2 36 | 4 24 | 0 43 | 7 47 | 1 49 | 3 12 | 14 24 | 16 4 | 16 9 | 20 8 | 4 32 | 5 38 |
| T 14 | 11 48 | 16 5 | 4 49 | 17 27 | 0 5 | 5 37 | 0 39 | 8 4 | 0 10 | 21 21 | 0 49 | 10 20 | 2 37 | 4 23 | 0 43 | 7 46 | 1 49 | 3 12 | 14 25 | 16 1 | 16 8 | 20 7 | 4 33 | 5 38 |
| W15 | 11 28 | 13 6 | 5 1 | 17 22 | 0n10 | 6 7 | 0 43 | 8 19 | 0 11 | 21 22 | 0 49 | 10 20 | 2 37 | 4 21 | 0 43 | 7 46 | 1 49 | 3 12 | 14 25 | 15 58 | 16 7 | 20 7 | 4 34 | 5 38 |
| T 16 | 11 7 | 9 29 | 4 58 | 17 14 | 0 23 | 6 38 | 0 48 | 8 35 | 0 11 | 21 23 | 0 49 | 10 19 | 2 37 | 4 20 | 0 43 | 7 46 | 1 49 | 3 12 | 14 25 | 15 54 | 16 6 | 20 7 | 4 35 | 5 38 |
| F 17 | 10 47 | 5 22 | 4 40 | 17 3 | 0 36 | 7 8 | 0 52 | 8 50 | 0 12 | 21 24 | 0 49 | 10 19 | 2 37 | 4 18 | 0 43 | 7 45 | 1 49 | 3 11 | 14 25 | 15 50 | 16 5 | 20 7 | 4 36 | 5 38 |
| S 18 | 10 26 | 0 56 | 4 8 | 16 48 | 0 48 | 7 38 | 0 57 | 9 6 | 0 13 | 21 25 | 0 49 | 10 18 | 2 38 | 4 17 | 0 43 | 7 45 | 1 49 | 3 11 | 14 26 | 15 47 | 16 4 | 20 6 | 4 37 | 5 38 |
| S 19 | 10 5 | 3n38 | 3 21 | 16 31 | 0 58 | 8 8 | 1 2 | 9 21 | 0 14 | 21 26 | 0 49 | 10 17 | 2 38 | 4 15 | 0 43 | 7 45 | 1 50 | 3 11 | 14 26 | 15 45 | 16 3 | 20 6 | 4 38 | 5 38 |
| M20 | 9 43 | 8 4 | 2 22 | 16 11 | 1 8 | 8 37 | 1 6 | 9 37 | 0 14 | 21 27 | 0 49 | 10 17 | 2 38 | 4 14 | 0 43 | 7 44 | 1 50 | 3 10 | 14 26 | 15 43 | 16 2 | 20 6 | 4 39 | 5 38 |
| T 21 | 9 22 | 12 9 | 1 15 | 15 47 | 1 16 | 9 7 | 1 11 | 9 52 | 0 15 | 21 28 | 0 49 | 10 16 | 2 38 | 4 12 | 0 43 | 7 44 | 1 50 | 3 10 | 14 26 | 15 42 | 16 1 | 20 5 | 4 40 | 5 38 |
| W22 | 9 0 | 15 37 | 0 2 | 15 21 | 1 24 | 9 36 | 1 16 | 10 7 | 0 16 | 21 29 | 0 49 | 10 15 | 2 39 | 4 11 | 0 43 | 7 43 | 1 50 | 3 10 | 14 27 | 15 42 | 16 1 | 20 5 | 4 41 | 5 38 |
| T 23 | 8 39 | 18 13 | 1s12 | 14 52 | 1 30 | 10 5 | 1 21 | 10 23 | 0 17 | 21 30 | 0 49 | 10 15 | 2 39 | 4 10 | 0 43 | 7 43 | 1 50 | 3 9 | 14 27 | 15 42 | 16 0 | 20 5 | 4 43 | 5 38 |
| F 24 | 8 17 | 19 44 | 2 22 | 14 21 | 1 36 | 10 35 | 1 26 | 10 38 | 0 17 | 21 31 | 0 49 | 10 14 | 2 39 | 4 8 | 0 43 | 7 43 | 1 50 | 3 9 | 14 27 | 15 42 | 15 59 | 20 4 | 4 44 | 5 37 |
| S 25 | 7 55 | 20 1 | 3 24 | 13 48 | 1 40 | 11 3 | 1 30 | 10 53 | 0 18 | 21 32 | 0 49 | 10 13 | 2 39 | 4 7 | 0 43 | 7 42 | 1 50 | 3 9 | 14 27 | 15 42 | 15 58 | 20 4 | 4 45 | 5 37 |
| S 26 | 7 33 | 19 1 | 4 13 | 13 12 | 1 44 | 11 32 | 1 35 | 11 8 | 0 19 | 21 32 | 0 49 | 10 12 | 2 39 | 4 5 | 0 43 | 7 42 | 1 50 | 3 8 | 14 28 | 15 41 | 15 57 | 20 4 | 4 46 | 5 37 |
| M27 | 7 10 | 16 49 | 4 47 | 12 35 | 1 46 | 12 0 | 1 40 | 11 23 | 0 19 | 21 33 | 0 49 | 10 11 | 2 40 | 4 4 | 0 43 | 7 41 | 1 50 | 3 8 | 14 28 | 15 39 | 15 56 | 20 3 | 4 47 | 5 37 |
| T 28 | 6 48 | 13 36 | 5 3 | 11 56 | 1 48 | 12 28 | 1 45 | 11 38 | 0 20 | 21 34 | 0 49 | 10 10 | 2 40 | 4 2 | 0 43 | 7 41 | 1 50 | 3 8 | 14 28 | 15 37 | 15 55 | 20 3 | 4 48 | 5 37 |
| W29 | 6 25 | 9 37 | 5 1 | 11 15 | 1 49 | 12 56 | 1 50 | 11 53 | 0 21 | 21 34 | 0 49 | 10 10 | 2 40 | 4 1 | 0 43 | 7 40 | 1 50 | 3 7 | 14 28 | 15 34 | 15 54 | 20 3 | 4 49 | 5 37 |
| T 30 | 6 3 | 5 9 | 4 40 | 10 33 | 1 49 | 13 24 | 1 55 | 12 8 | 0 21 | 21 35 | 0 49 | 10 9 | 2 40 | 3 59 | 0 43 | 7 40 | 1 50 | 3 7 | 14 29 | 15 31 | 15 53 | 20 2 | 4 50 | 5 37 |
| F 31 | 5n40 | 0n30 | 4s 3 | 9n51 | 1n49 | 13s51 | 2s 0 | 12s23 | 0s22 | 21s35 | 0s49 | 10n 8 | 2s41 | 3n58 | 0n43 | 7n39 | 1s50 | 3n 7 | 14s29 | 15s29 | 15s52 | 20s 2 | 4s52 | 5n37 |

Julian Day Number = 2225315.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'00, Lahiri = 15°13'00 Julian Calendar 1 Aug. 1380 == Greg. Calendar 9 Aug. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## SEPTEMBER 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 14 6 | 16♍39'04 | 2♎49 | 11♍ 2 | 2♏26 | 2♏12 | 27°R 8 | 3°R13 | 21♍46 | 24°R 2 | 17°R12 | 11°R50 | 13♏11 | 23♐32 | 3°R55 | S 1 |
| S 2 | 23 18 3 | 17°37'43 | 15°55 | 12°55 | 3°30 | 2°53 | 27♑ 6 | 3♉11 | 21°50 | 24♈ 1 | 17♉12 | 11♏45 | 13° 8 | 23°39 | 3♓52 | S 2 |
| M 3 | 23 22 0 | 18°36'25 | 28°40 | 14°46 | 4°34 | 3°34 | 27° 3 | 3° 8 | 21°53 | 24° 0 | 17°11 | 11°42 | 13° 5 | 23°46 | 3°49 | M 3 |
| T 4 | 23 25 56 | 19°35'08 | 11♏ 7 | 16°38 | 5°38 | 4°15 | 27° 1 | 3° 5 | 21°57 | 23°58 | 17°11 | 11°D41 | 13° 2 | 23°53 | 3°46 | T 4 |
| W 5 | 23 29 53 | 20°33'53 | 23°17 | 18°28 | 6°41 | 4°56 | 26°59 | 3° 2 | 22° 1 | 23°57 | 17°10 | 11°42 | 12°59 | 23°59 | 3°44 | W 5 |
| T 6 | 23 33 49 | 21°32'40 | 5♐15 | 20°18 | 7°45 | 5°38 | 26°57 | 3° 0 | 22° 5 | 23°56 | 17°10 | 11°43 | 12°55 | 24° 6 | 3°41 | T 6 |
| F 7 | 23 37 46 | 22°31'29 | 17° 7 | 22° 7 | 8°48 | 6°19 | 26°56 | 2°57 | 22° 8 | 23°54 | 17° 9 | 11°R44 | 12°52 | 24°13 | 3°38 | F 7 |
| S 8 | 23 41 42 | 23°30'19 | 28°57 | 23°55 | 9°50 | 7° 0 | 26°55 | 2°53 | 22°12 | 23°53 | 17° 9 | 11°44 | 12°49 | 24°19 | 3°36 | S 8 |
| S 9 | 23 45 39 | 24°29'11 | 10♑51 | 25°43 | 10°53 | 7°42 | 26°53 | 2°50 | 22°16 | 23°51 | 17° 8 | 11°42 | 12°46 | 24°26 | 3°33 | S 9 |
| M10 | 23 49 35 | 25°28'05 | 22°53 | 27°29 | 11°55 | 8°23 | 26°52 | 2°47 | 22°20 | 23°50 | 17° 7 | 11°39 | 12°43 | 24°33 | 3°30 | M10 |
| T 11 | 23 53 32 | 26°27'01 | 5♒ 8 | 29°15 | 12°57 | 9° 5 | 26°52 | 2°44 | 22°24 | 23°49 | 17° 7 | 11°33 | 12°40 | 24°39 | 3°28 | T 11 |
| W12 | 23 57 29 | 27°25'59 | 17°39 | 0♎59 | 13°58 | 9°47 | 26°51 | 2°40 | 22°27 | 23°47 | 17° 6 | 11°26 | 12°36 | 24°46 | 3°25 | W12 |
| T 13 | 0 1 25 | 28°24'58 | 0♓27 | 2°43 | 15° 0 | 10°29 | 26°51 | 2°37 | 22°31 | 23°46 | 17° 5 | 11°19 | 12°33 | 24°53 | 3°23 | T 13 |
| F 14 | 0 5 22 | 29°23'59 | 13°35 | 4°26 | 16° 1 | 11°10 | 26°D51 | 2°33 | 22°35 | 23°44 | 17° 5 | 11°12 | 12°30 | 24°59 | 3°20 | F 14 |
| S 15 | 0 9 18 | 0♎23'03 | 27° 1 | 6° 8 | 17° 1 | 11°52 | 26°51 | 2°29 | 22°39 | 23°43 | 17° 4 | 11° 5 | 12°27 | 25° 6 | 3°18 | S 15 |
| S 16 | 0 13 15 | 1°22'08 | 10♈42 | 7°49 | 18° 2 | 12°34 | 26°51 | 2°26 | 22°42 | 23°41 | 17° 3 | 11° 0 | 12°24 | 25°13 | 3°15 | S 16 |
| M17 | 0 17 11 | 2°21'15 | 24°37 | 9°29 | 19° 1 | 13°16 | 26°51 | 2°22 | 22°46 | 23°40 | 17° 3 | 10°57 | 12°20 | 25°19 | 3°13 | M17 |
| T 18 | 0 21 8 | 3°20'25 | 8♉41 | 11° 9 | 20° 1 | 13°59 | 26°52 | 2°18 | 22°50 | 23°38 | 17° 2 | 10°D56 | 12°17 | 25°26 | 3°10 | T 18 |
| W19 | 0 25 4 | 4°19'37 | 22°51 | 12°48 | 21° 0 | 14°41 | 26°53 | 2°14 | 22°54 | 23°36 | 17° 1 | 10°56 | 12°14 | 25°33 | 3° 8 | W19 |
| T 20 | 0 29 1 | 5°18'51 | 7♊ 4 | 14°26 | 21°59 | 15°23 | 26°54 | 2°10 | 22°57 | 23°35 | 17° 0 | 10°58 | 12°11 | 25°39 | 3° 6 | T 20 |
| F 21 | 0 32 57 | 6°18'08 | 21°17 | 16° 3 | 22°57 | 16° 6 | 26°55 | 2° 6 | 23° 1 | 23°33 | 16°59 | 10°59 | 12° 8 | 25°46 | 3° 4 | F 21 |
| S 22 | 0 36 54 | 7°17'27 | 5♋28 | 17°39 | 23°55 | 16°48 | 26°56 | 2° 2 | 23° 5 | 23°32 | 16°59 | 11°R 0 | 12° 5 | 25°53 | 3° 1 | S 22 |
| S 23 | 0 40 51 | 8°16'49 | 19°36 | 19°15 | 24°53 | 17°31 | 26°58 | 1°58 | 23° 8 | 23°30 | 16°58 | 10°59 | 12° 1 | 25°59 | 2°59 | S 23 |
| M24 | 0 44 47 | 9°16'12 | 3♌38 | 20°50 | 25°50 | 18°13 | 27° 0 | 1°54 | 23°12 | 23°29 | 16°57 | 10°57 | 11°58 | 26° 6 | 2°57 | M24 |
| T 25 | 0 48 44 | 10°15'38 | 17°33 | 22°24 | 26°47 | 18°56 | 27° 2 | 1°49 | 23°16 | 23°27 | 16°56 | 10°54 | 11°55 | 26°13 | 2°55 | T 25 |
| W26 | 0 52 40 | 11°15'07 | 1♍19 | 23°57 | 27°43 | 19°39 | 27° 4 | 1°45 | 23°19 | 23°25 | 16°55 | 10°50 | 11°52 | 26°19 | 2°53 | W26 |
| T 27 | 0 56 37 | 12°14'37 | 14°53 | 25°30 | 28°39 | 20°22 | 27° 6 | 1°40 | 23°23 | 23°24 | 16°54 | 10°45 | 11°49 | 26°26 | 2°51 | T 27 |
| F 28 | 1 0 33 | 13°14'10 | 28°14 | 27° 2 | 29°34 | 21° 5 | 27° 9 | 1°36 | 23°27 | 23°22 | 16°53 | 10°41 | 11°46 | 26°33 | 2°49 | F 28 |
| S 29 | 1 4 30 | 14°13'45 | 11♎20 | 28°34 | 0♐29 | 21°48 | 27°12 | 1°32 | 23°30 | 23°20 | 16°52 | 10°37 | 11°42 | 26°40 | 2°47 | S 29 |
| S 30 | 1 8 26 | 15♎13'22 | 24♎10 | 0♏ 5 | 1♐23 | 22♏31 | 27♑14 | 1♉27 | 23♍34 | 23♈19 | 16♉51 | 10♏35 | 11♏39 | 26♐46 | 2♓45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n17 | 4s 4 | 3s13 | 9n 7 | 1n48 | 14s18 | 2s 4 | 12s38 | 0s23 | 21s36 | 0s49 | 10n 7 | 2s41 | 3n56 | 0n43 | 7n39 | 1s50 | 3n 6 | 14s29 | 15s26 | 15s51 | 20s 2 | 4s53 | 5n37 |
| S 2 | 4 54 | 8 20 | 2 14 | 8 22 | 1 46 | 14 45 | 2 9 | 12 53 | 0 24 | 21 36 | 0 49 | 10 5 | 2 41 | 3 55 | 0 43 | 7 38 | 1 50 | 3 6 | 14 29 | 15 25 | 15 50 | 20 1 | 4 54 | 5 36 |
| M 3 | 4 31 | 12 7 | 1 9 | 7 37 | 1 44 | 15 11 | 2 14 | 13 8 | 0 24 | 21 37 | 0 49 | 10 4 | 2 41 | 3 53 | 0 43 | 7 38 | 1 50 | 3 6 | 14 30 | 15 24 | 15 49 | 20 1 | 4 55 | 5 36 |
| T 4 | 4 8 | 15 16 | 0 3 | 6 51 | 1 41 | 15 38 | 2 19 | 13 22 | 0 25 | 21 37 | 0 49 | 10 3 | 2 41 | 3 52 | 0 43 | 7 37 | 1 50 | 3 5 | 14 30 | 15 23 | 15 48 | 20 1 | 4 56 | 5 36 |
| W 5 | 3 45 | 17 39 | 1n 2 | 6 4 | 1 38 | 16 3 | 2 24 | 13 37 | 0 26 | 21 38 | 0 49 | 10 2 | 2 42 | 3 50 | 0 43 | 7 37 | 1 50 | 3 5 | 14 30 | 15 24 | 15 47 | 20 0 | 4 57 | 5 36 |
| T 6 | 3 22 | 19 13 | 2 4 | 5 18 | 1 34 | 16 29 | 2 29 | 13 51 | 0 26 | 21 38 | 0 49 | 10 1 | 2 42 | 3 49 | 0 43 | 7 36 | 1 50 | 3 5 | 14 30 | 15 24 | 15 46 | 20 0 | 4 58 | 5 36 |
| F 7 | 2 59 | 19 55 | 2 59 | 4 31 | 1 30 | 16 54 | 2 34 | 14 6 | 0 27 | 21 38 | 0 49 | 10 0 | 2 42 | 3 47 | 0 43 | 7 36 | 1 50 | 3 4 | 14 30 | 15 24 | 15 45 | 19 59 | 4 59 | 5 36 |
| S 8 | 2 35 | 19 44 | 3 47 | 3 44 | 1 25 | 17 19 | 2 39 | 14 20 | 0 28 | 21 39 | 0 49 | 9 59 | 2 42 | 3 46 | 0 43 | 7 35 | 1 50 | 3 4 | 14 31 | 15 24 | 15 44 | 19 59 | 5 0 | 5 36 |
| S 9 | 2 12 | 18 40 | 4 26 | 2 57 | 1 21 | 17 43 | 2 43 | 14 34 | 0 28 | 21 39 | 0 49 | 9 57 | 2 42 | 3 44 | 0 43 | 7 35 | 1 50 | 3 3 | 14 31 | 15 24 | 15 43 | 19 59 | 5 2 | 5 35 |
| M10 | 1 48 | 16 46 | 4 53 | 2 10 | 1 16 | 18 7 | 2 48 | 14 48 | 0 29 | 21 39 | 0 49 | 9 56 | 2 42 | 3 43 | 0 43 | 7 34 | 1 50 | 3 3 | 14 31 | 15 23 | 15 42 | 19 58 | 5 3 | 5 35 |
| T 11 | 1 25 | 14 5 | 5 7 | 1 22 | 1 10 | 18 31 | 2 53 | 15 2 | 0 29 | 21 39 | 0 49 | 9 55 | 2 43 | 3 41 | 0 43 | 7 33 | 1 51 | 3 3 | 14 31 | 15 21 | 15 41 | 19 58 | 5 4 | 5 35 |
| W12 | 1 1 | 10 43 | 5 7 | 0 36 | 1 5 | 18 54 | 2 58 | 15 16 | 0 30 | 21 39 | 0 49 | 9 53 | 2 43 | 3 40 | 0 43 | 7 33 | 1 51 | 3 2 | 14 32 | 15 19 | 15 40 | 19 57 | 5 5 | 5 35 |
| T 13 | 0 38 | 6 48 | 4 52 | 0s11 | 0 59 | 19 17 | 3 2 | 15 30 | 0 31 | 21 39 | 0 49 | 9 52 | 2 43 | 3 38 | 0 43 | 7 32 | 1 51 | 3 2 | 14 32 | 15 16 | 15 39 | 19 57 | 5 6 | 5 35 |
| F 14 | 0 14 | 2 27 | 4 21 | 0 58 | 0 53 | 19 40 | 3 7 | 15 44 | 0 31 | 21 39 | 0 49 | 9 51 | 2 43 | 3 37 | 0 43 | 7 32 | 1 51 | 3 2 | 14 32 | 15 14 | 15 38 | 19 57 | 5 7 | 5 34 |
| S 15 | 0s 9 | 2n 6 | 3 36 | 1 44 | 0 47 | 20 2 | 3 12 | 15 57 | 0 32 | 21 39 | 0 49 | 9 49 | 2 43 | 3 35 | 0 43 | 7 31 | 1 51 | 3 1 | 14 32 | 15 12 | 15 37 | 19 56 | 5 8 | 5 34 |
| S 16 | 0 33 | 6 39 | 2 37 | 2 30 | 0 40 | 20 24 | 3 16 | 16 11 | 0 33 | 21 39 | 0 49 | 9 48 | 2 43 | 3 34 | 0 43 | 7 31 | 1 51 | 3 1 | 14 32 | 15 11 | 15 36 | 19 56 | 5 9 | 5 34 |
| M17 | 0 56 | 10 56 | 1 28 | 3 15 | 0 34 | 20 45 | 3 21 | 16 24 | 0 33 | 21 39 | 0 48 | 9 46 | 2 44 | 3 32 | 0 43 | 7 30 | 1 51 | 3 0 | 14 32 | 15 10 | 15 35 | 19 55 | 5 10 | 5 34 |
| T 18 | 1 20 | 14 38 | 0 12 | 4 0 | 0 27 | 21 6 | 3 25 | 16 37 | 0 34 | 21 39 | 0 48 | 9 45 | 2 44 | 3 31 | 0 43 | 7 29 | 1 51 | 3 0 | 14 33 | 15 9 | 15 34 | 19 55 | 5 11 | 5 33 |
| W19 | 1 44 | 17 30 | 1s 5 | 4 45 | 0 21 | 21 26 | 3 29 | 16 51 | 0 34 | 21 39 | 0 48 | 9 44 | 2 44 | 3 29 | 0 43 | 7 29 | 1 51 | 3 0 | 14 33 | 15 9 | 15 34 | 19 55 | 5 12 | 5 33 |
| T 20 | 2 7 | 19 18 | 2 18 | 5 30 | 0 14 | 21 46 | 3 34 | 17 4 | 0 35 | 21 38 | 0 48 | 9 42 | 2 44 | 3 28 | 0 43 | 7 28 | 1 51 | 2 59 | 14 33 | 15 10 | 15 33 | 19 54 | 5 13 | 5 33 |
| F 21 | 2 31 | 19 52 | 3 23 | 6 13 | 0 7 | 22 5 | 3 38 | 17 17 | 0 36 | 21 38 | 0 48 | 9 41 | 2 44 | 3 26 | 0 43 | 7 28 | 1 51 | 2 59 | 14 33 | 15 10 | 15 32 | 19 54 | 5 14 | 5 33 |
| S 22 | 2 54 | 19 10 | 4 15 | 6 57 | 0 0 | 22 24 | 3 42 | 17 29 | 0 36 | 21 38 | 0 48 | 9 39 | 2 44 | 3 25 | 0 43 | 7 27 | 1 51 | 2 59 | 14 33 | 15 11 | 15 31 | 19 53 | 5 15 | 5 33 |
| S 23 | 3 18 | 17 17 | 4 51 | 7 40 | 0s 7 | 22 43 | 3 46 | 17 42 | 0 37 | 21 37 | 0 48 | 9 37 | 2 44 | 3 23 | 0 43 | 7 26 | 1 51 | 2 58 | 14 34 | 15 10 | 15 30 | 19 53 | 5 16 | 5 32 |
| M24 | 3 41 | 14 23 | 5 10 | 8 22 | 0 14 | 23 0 | 3 50 | 17 55 | 0 37 | 21 37 | 0 48 | 9 36 | 2 44 | 3 22 | 0 43 | 7 26 | 1 51 | 2 58 | 14 34 | 15 10 | 15 29 | 19 52 | 5 17 | 5 32 |
| T 25 | 4 5 | 10 41 | 5 11 | 9 4 | 0 21 | 23 18 | 3 54 | 18 7 | 0 38 | 21 37 | 0 48 | 9 34 | 2 45 | 3 20 | 0 43 | 7 25 | 1 51 | 2 57 | 14 34 | 15 9 | 15 28 | 19 52 | 5 18 | 5 32 |
| W26 | 4 28 | 6 29 | 4 53 | 9 45 | 0 28 | 23 35 | 3 58 | 18 19 | 0 39 | 21 36 | 0 48 | 9 33 | 2 45 | 3 19 | 0 43 | 7 25 | 1 51 | 2 57 | 14 34 | 15 7 | 15 27 | 19 52 | 5 19 | 5 31 |
| T 27 | 4 51 | 1 59 | 4 19 | 10 26 | 0 35 | 23 51 | 4 2 | 18 31 | 0 39 | 21 36 | 0 48 | 9 31 | 2 45 | 3 18 | 0 43 | 7 24 | 1 51 | 2 57 | 14 34 | 15 6 | 15 26 | 19 51 | 5 20 | 5 31 |
| F 28 | 5 15 | 2s32 | 3 32 | 11 6 | 0 42 | 24 7 | 4 6 | 18 43 | 0 40 | 21 35 | 0 48 | 9 30 | 2 45 | 3 16 | 0 43 | 7 23 | 1 51 | 2 56 | 14 34 | 15 5 | 15 25 | 19 51 | 5 21 | 5 31 |
| S 29 | 5 38 | 6 51 | 2 34 | 11 45 | 0 48 | 24 23 | 4 9 | 18 55 | 0 40 | 21 34 | 0 48 | 9 28 | 2 45 | 3 15 | 0 43 | 7 23 | 1 51 | 2 56 | 14 34 | 15 3 | 15 24 | 19 50 | 5 22 | 5 31 |
| S 30 | 6s 1 | 10s47 | 1s29 | 12s24 | 0s55 | 24s38 | 4s13 | 19s 7 | 0s41 | 21s34 | 0s48 | 9n26 | 2s45 | 3n13 | 0n43 | 7n22 | 1s51 | 2n55 | 14s35 | 15s 3 | 15s23 | 19s50 | 5s23 | 5n30 |

Julian Day Number = 2225346.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'04, Lahiri = 15°13'05 Julian Calendar 1 Sept. 1380 == Greg. Calendar 9 Sept. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## OCTOBER 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 12 23 | 16♎13'01 | 6♏44 | 1♏35 | 2♐16 | 23♏14 | 27♑18 | 1°R22 | 23♍38 | 23°R17 | 16°R51 | 10°D34 | 11♏36 | 26♐53 | 2°R43 | M 1 |
| T 2 | 1 16 20 | 17°12'42 | 19° 4 | 3° 5 | 3° 9 | 23°57 | 27°21 | 1♉18 | 23°41 | 23♈15 | 16♉50 | 10♏34 | 11°33 | 27° 0 | 2♓41 | T 2 |
| W 3 | 1 20 16 | 18°12'25 | 1♐11 | 4°34 | 4° 2 | 24°40 | 27°24 | 1°13 | 23°45 | 23°14 | 16°49 | 10°35 | 11°30 | 27° 6 | 2°39 | W 3 |
| T 4 | 1 24 13 | 19°12'10 | 13° 8 | 6° 2 | 4°53 | 25°24 | 27°28 | 1° 8 | 23°48 | 23°12 | 16°48 | 10°37 | 11°26 | 27°13 | 2°38 | T 4 |
| F 5 | 1 28 9 | 20°11'56 | 25° 0 | 7°29 | 5°44 | 26° 7 | 27°32 | 1° 4 | 23°52 | 23°10 | 16°47 | 10°39 | 11°23 | 27°20 | 2°36 | F 5 |
| S 6 | 1 32 6 | 21°11'44 | 6♑49 | 8°56 | 6°35 | 26°51 | 27°36 | 0°59 | 23°55 | 23° 9 | 16°46 | 10°40 | 11°20 | 27°26 | 2°34 | S 6 |
| S 7 | 1 36 2 | 22°11'35 | 18°42 | 10°22 | 7°24 | 27°34 | 27°40 | 0°54 | 23°59 | 23° 7 | 16°45 | 10°R41 | 11°17 | 27°33 | 2°33 | S 7 |
| M 8 | 1 39 59 | 23°11'26 | 0♒43 | 11°48 | 8°13 | 28°18 | 27°45 | 0°49 | 24° 2 | 23° 5 | 16°44 | 10°40 | 11°14 | 27°40 | 2°31 | M 8 |
| T 9 | 1 43 55 | 24°11'20 | 12°57 | 13°13 | 9° 1 | 29° 2 | 27°50 | 0°45 | 24° 5 | 23° 4 | 16°43 | 10°39 | 11°11 | 27°46 | 2°30 | T 9 |
| W10 | 1 47 52 | 25°11'15 | 25°28 | 14°37 | 9°48 | 29°46 | 27°54 | 0°40 | 24° 9 | 23° 2 | 16°42 | 10°38 | 11° 7 | 27°53 | 2°28 | W10 |
| T 11 | 1 51 49 | 26°11'11 | 8♓19 | 16° 0 | 10°34 | 0♐29 | 27°59 | 0°35 | 24°12 | 23° 0 | 16°41 | 10°36 | 11° 4 | 28° 0 | 2°27 | T 11 |
| F 12 | 1 55 45 | 27°11'10 | 21°33 | 17°22 | 11°20 | 1°13 | 28° 4 | 0°30 | 24°16 | 22°58 | 16°40 | 10°34 | 11° 1 | 28° 6 | 2°25 | F 12 |
| S 13 | 1 59 42 | 28°11'10 | 5♈11 | 18°43 | 12° 4 | 1°57 | 28°10 | 0°25 | 24°19 | 22°57 | 16°38 | 10°32 | 10°58 | 28°13 | 2°24 | S 13 |
| S 14 | 2 3 38 | 29°11'12 | 19°10 | 20° 3 | 12°48 | 2°41 | 28°15 | 0°20 | 24°22 | 22°55 | 16°37 | 10°31 | 10°55 | 28°20 | 2°23 | S 14 |
| M15 | 2 7 35 | 0♏11'16 | 3♉27 | 21°22 | 13°30 | 3°25 | 28°21 | 0°16 | 24°25 | 22°53 | 16°36 | 10°D30 | 10°52 | 28°26 | 2°22 | M15 |
| T 16 | 2 11 31 | 1°11'22 | 17°58 | 22°40 | 14°11 | 4°10 | 28°27 | 0°11 | 24°29 | 22°52 | 16°35 | 10°30 | 10°48 | 28°33 | 2°21 | T 16 |
| W17 | 2 15 28 | 2°11'29 | 2♊37 | 23°57 | 14°52 | 4°54 | 28°33 | 0° 6 | 24°32 | 22°50 | 16°34 | 10°31 | 10°45 | 28°40 | 2°20 | W17 |
| T 18 | 2 19 24 | 3°11'39 | 17°16 | 25°12 | 15°31 | 5°38 | 28°39 | 0° 1 | 24°35 | 22°48 | 16°33 | 10°31 | 10°42 | 28°47 | 2°19 | T 18 |
| F 19 | 2 23 21 | 4°11'51 | 1♋51 | 26°25 | 16° 9 | 6°22 | 28°45 | 29♈56 | 24°38 | 22°47 | 16°32 | 10°32 | 10°39 | 28°53 | 2°18 | F 19 |
| S 20 | 2 27 18 | 5°12'05 | 16°16 | 27°37 | 16°45 | 7° 7 | 28°52 | 29°51 | 24°41 | 22°45 | 16°31 | 10°33 | 10°36 | 29° 0 | 2°17 | S 20 |
| S 21 | 2 31 14 | 6°12'21 | 0♌29 | 28°46 | 17°21 | 7°51 | 28°59 | 29°47 | 24°44 | 22°44 | 16°30 | 10°R33 | 10°32 | 29° 7 | 2°16 | S 21 |
| M22 | 2 35 11 | 7°12'39 | 14°26 | 29°54 | 17°55 | 8°36 | 29° 5 | 29°42 | 24°47 | 22°42 | 16°29 | 10°33 | 10°29 | 29°13 | 2°15 | M22 |
| T 23 | 2 39 7 | 8°12'59 | 28° 7 | 0♐59 | 18°27 | 9°21 | 29°12 | 29°37 | 24°50 | 22°40 | 16°28 | 10°33 | 10°26 | 29°20 | 2°14 | T 23 |
| W24 | 2 43 4 | 9°13'21 | 11♍33 | 2° 1 | 18°59 | 10° 5 | 29°19 | 29°32 | 24°53 | 22°39 | 16°26 | 10°33 | 10°23 | 29°27 | 2°14 | W24 |
| T 25 | 2 47 0 | 10°13'45 | 24°44 | 3° 0 | 19°28 | 10°50 | 29°27 | 29°27 | 24°56 | 22°37 | 16°25 | 10°D32 | 10°20 | 29°33 | 2°13 | T 25 |
| F 26 | 2 50 57 | 11°14'11 | 7♎40 | 3°55 | 19°56 | 11°35 | 29°34 | 29°23 | 24°59 | 22°36 | 16°24 | 10°32 | 10°17 | 29°40 | 2°12 | F 26 |
| S 27 | 2 54 53 | 12°14'39 | 20°23 | 4°46 | 20°23 | 12°20 | 29°42 | 29°18 | 25° 2 | 22°34 | 16°23 | 10°33 | 10°13 | 29°47 | 2°12 | S 27 |
| S 28 | 2 58 50 | 13°15'09 | 2♏54 | 5°33 | 20°48 | 13° 5 | 29°50 | 29°13 | 25° 5 | 22°32 | 16°22 | 10°33 | 10°10 | 29°53 | 2°12 | S 28 |
| M29 | 3 2 47 | 14°15'40 | 15°13 | 6°15 | 21°11 | 13°50 | 29°57 | 29° 9 | 25° 8 | 22°31 | 16°21 | 10°R33 | 10° 7 | 0♑ 0 | 2°11 | M29 |
| T 30 | 3 6 43 | 15°16'13 | 27°23 | 6°51 | 21°32 | 14°35 | 0♒ 5 | 29° 4 | 25°11 | 22°29 | 16°20 | 10°33 | 10° 4 | 0° 7 | 2°11 | T 30 |
| W31 | 3 10 40 | 16♏16'47 | 9♐24 | 7♐21 | 21♐51 | 15♐20 | 0♒14 | 29♈ 0 | 25♍13 | 22♈28 | 16♉19 | 10♏32 | 10♏ 1 | 0♑14 | 2♓11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s24 | 14s 8 | 0s21 | 13s 2 | 1s 2 | 24s52 | 4s16 | 19s18 | 0s41 | 21s33 | 0s48 | 9n25 | 2s45 | 3n12 | 0n43 | 7n21 | 1s51 | 2n55 | 14s35 | 15s 2 | 15s22 | 19s49 | 5s24 | 5n30 |
| T 2 | 6 47 | 16 48 | 0n47 | 13 39 | 1 9 | 25 6 | 4 19 | 19 30 | 0 42 | 21 32 | 0 48 | 9 23 | 2 45 | 3 11 | 0 43 | 7 21 | 1 51 | 2 55 | 14 35 | 15 2 | 15 21 | 19 49 | 5 25 | 5 30 |
| W 3 | 7 10 | 18 39 | 1 51 | 14 16 | 1 15 | 25 19 | 4 23 | 19 41 | 0 42 | 21 32 | 0 48 | 9 21 | 2 45 | 3 9 | 0 43 | 7 20 | 1 51 | 2 54 | 14 35 | 15 3 | 15 20 | 19 48 | 5 26 | 5 30 |
| T 4 | 7 32 | 19 38 | 2 50 | 14 52 | 1 22 | 25 32 | 4 26 | 19 52 | 0 43 | 21 31 | 0 48 | 9 20 | 2 45 | 3 8 | 0 43 | 7 20 | 1 51 | 2 54 | 14 35 | 15 3 | 15 19 | 19 48 | 5 27 | 5 29 |
| F 5 | 7 55 | 19 44 | 3 41 | 15 27 | 1 28 | 25 44 | 4 28 | 20 3 | 0 43 | 21 30 | 0 48 | 9 18 | 2 45 | 3 6 | 0 43 | 7 19 | 1 51 | 2 54 | 14 35 | 15 4 | 15 18 | 19 47 | 5 28 | 5 29 |
| S 6 | 8 18 | 18 58 | 4 23 | 16 1 | 1 34 | 25 56 | 4 31 | 20 14 | 0 44 | 21 29 | 0 48 | 9 16 | 2 45 | 3 5 | 0 43 | 7 18 | 1 51 | 2 53 | 14 35 | 15 4 | 15 17 | 19 47 | 5 29 | 5 29 |
| S 7 | 8 40 | 17 22 | 4 53 | 16 34 | 1 40 | 26 7 | 4 34 | 20 24 | 0 44 | 21 28 | 0 48 | 9 15 | 2 45 | 3 4 | 0 43 | 7 18 | 1 51 | 2 53 | 14 35 | 15 4 | 15 16 | 19 46 | 5 30 | 5 28 |
| M 8 | 9 2 | 14 59 | 5 12 | 17 7 | 1 46 | 26 17 | 4 36 | 20 35 | 0 45 | 21 27 | 0 48 | 9 13 | 2 45 | 3 2 | 0 43 | 7 17 | 1 51 | 2 53 | 14 35 | 15 4 | 15 15 | 19 46 | 5 30 | 5 28 |
| T 9 | 9 25 | 11 56 | 5 16 | 17 38 | 1 52 | 26 27 | 4 38 | 20 45 | 0 45 | 21 26 | 0 47 | 9 11 | 2 45 | 3 1 | 0 43 | 7 16 | 1 51 | 2 52 | 14 36 | 15 4 | 15 14 | 19 45 | 5 31 | 5 28 |
| W10 | 9 47 | 8 16 | 5 6 | 18 9 | 1 58 | 26 37 | 4 40 | 20 55 | 0 46 | 21 25 | 0 47 | 9 10 | 2 45 | 3 0 | 0 43 | 7 16 | 1 51 | 2 52 | 14 36 | 15 4 | 15 13 | 19 45 | 5 32 | 5 27 |
| T 11 | 10 9 | 4 9 | 4 40 | 18 39 | 2 3 | 26 46 | 4 42 | 21 5 | 0 46 | 21 24 | 0 47 | 9 8 | 2 45 | 2 58 | 0 43 | 7 15 | 1 51 | 2 51 | 14 36 | 15 3 | 15 12 | 19 44 | 5 33 | 5 27 |
| F 12 | 10 30 | 0n18 | 3 59 | 19 7 | 2 8 | 26 54 | 4 44 | 21 14 | 0 47 | 21 23 | 0 47 | 9 6 | 2 45 | 2 57 | 0 43 | 7 15 | 1 51 | 2 51 | 14 36 | 15 2 | 15 11 | 19 44 | 5 34 | 5 27 |
| S 13 | 10 52 | 4 52 | 3 4 | 19 35 | 2 13 | 27 2 | 4 46 | 21 24 | 0 47 | 21 22 | 0 47 | 9 5 | 2 45 | 2 56 | 0 43 | 7 14 | 1 51 | 2 51 | 14 36 | 15 2 | 15 10 | 19 43 | 5 34 | 5 26 |
| S 14 | 11 13 | 9 18 | 1 56 | 20 2 | 2 18 | 27 9 | 4 47 | 21 33 | 0 48 | 21 21 | 0 47 | 9 3 | 2 45 | 2 54 | 0 43 | 7 13 | 1 51 | 2 50 | 14 36 | 15 1 | 15 9 | 19 43 | 5 35 | 5 26 |
| M15 | 11 34 | 13 19 | 0 39 | 20 27 | 2 22 | 27 15 | 4 48 | 21 42 | 0 48 | 21 20 | 0 47 | 9 1 | 2 45 | 2 53 | 0 43 | 7 13 | 1 51 | 2 50 | 14 36 | 15 1 | 15 8 | 19 42 | 5 36 | 5 26 |
| T 16 | 11 56 | 16 35 | 0s41 | 20 51 | 2 26 | 27 22 | 4 49 | 21 51 | 0 49 | 21 19 | 0 47 | 9 0 | 2 45 | 2 52 | 0 43 | 7 12 | 1 51 | 2 50 | 14 36 | 15 1 | 15 7 | 19 42 | 5 36 | 5 25 |
| W17 | 12 16 | 18 48 | 2 0 | 21 15 | 2 30 | 27 27 | 4 50 | 21 59 | 0 49 | 21 17 | 0 47 | 8 58 | 2 45 | 2 51 | 0 43 | 7 12 | 1 51 | 2 49 | 14 36 | 15 1 | 15 6 | 19 41 | 5 37 | 5 25 |
| T 18 | 12 37 | 19 45 | 3 10 | 21 36 | 2 34 | 27 32 | 4 50 | 22 8 | 0 50 | 21 16 | 0 47 | 8 56 | 2 45 | 2 49 | 0 43 | 7 11 | 1 51 | 2 49 | 14 36 | 15 2 | 15 5 | 19 41 | 5 38 | 5 25 |
| F 19 | 12 58 | 19 22 | 4 8 | 21 57 | 2 36 | 27 36 | 4 50 | 22 16 | 0 50 | 21 15 | 0 47 | 8 55 | 2 45 | 2 48 | 0 43 | 7 10 | 1 51 | 2 49 | 14 36 | 15 2 | 15 4 | 19 40 | 5 38 | 5 24 |
| S 20 | 13 18 | 17 44 | 4 50 | 22 16 | 2 39 | 27 40 | 4 50 | 22 24 | 0 51 | 21 13 | 0 47 | 8 53 | 2 45 | 2 47 | 0 43 | 7 10 | 1 51 | 2 48 | 14 36 | 15 2 | 15 3 | 19 40 | 5 39 | 5 24 |
| S 21 | 13 38 | 15 1 | 5 13 | 22 34 | 2 41 | 27 43 | 4 50 | 22 32 | 0 51 | 21 12 | 0 47 | 8 51 | 2 45 | 2 46 | 0 43 | 7 9 | 1 51 | 2 48 | 14 36 | 15 2 | 15 2 | 19 39 | 5 40 | 5 24 |
| M22 | 13 58 | 11 30 | 5 17 | 22 50 | 2 43 | 27 46 | 4 49 | 22 40 | 0 52 | 21 10 | 0 47 | 8 50 | 2 45 | 2 45 | 0 44 | 7 9 | 1 51 | 2 48 | 14 36 | 15 2 | 15 1 | 19 39 | 5 40 | 5 23 |
| T 23 | 14 18 | 7 26 | 5 3 | 23 5 | 2 43 | 27 48 | 4 48 | 22 47 | 0 52 | 21 9 | 0 47 | 8 48 | 2 45 | 2 43 | 0 44 | 7 8 | 1 51 | 2 47 | 14 36 | 15 2 | 15 0 | 19 38 | 5 41 | 5 23 |
| W24 | 14 37 | 3 3 | 4 32 | 23 18 | 2 44 | 27 50 | 4 47 | 22 54 | 0 52 | 21 7 | 0 47 | 8 47 | 2 45 | 2 42 | 0 44 | 7 7 | 1 51 | 2 47 | 14 36 | 15 2 | 14 59 | 19 38 | 5 42 | 5 23 |
| T 25 | 14 56 | 1s23 | 3 48 | 23 30 | 2 43 | 27 50 | 4 46 | 23 1 | 0 53 | 21 6 | 0 47 | 8 45 | 2 45 | 2 41 | 0 44 | 7 7 | 1 51 | 2 47 | 14 36 | 15 2 | 14 58 | 19 37 | 5 42 | 5 22 |
| F 26 | 15 15 | 5 42 | 2 53 | 23 39 | 2 42 | 27 51 | 4 44 | 23 8 | 0 53 | 21 4 | 0 47 | 8 43 | 2 45 | 2 40 | 0 44 | 7 6 | 1 51 | 2 47 | 14 36 | 15 2 | 14 57 | 19 36 | 5 43 | 5 22 |
| S 27 | 15 34 | 9 41 | 1 50 | 23 47 | 2 40 | 27 51 | 4 41 | 23 14 | 0 54 | 21 2 | 0 47 | 8 42 | 2 44 | 2 39 | 0 44 | 7 6 | 1 51 | 2 46 | 14 36 | 15 2 | 14 56 | 19 36 | 5 43 | 5 22 |
| S 28 | 15 52 | 13 11 | 0 42 | 23 53 | 2 38 | 27 50 | 4 39 | 23 20 | 0 54 | 21 1 | 0 47 | 8 40 | 2 44 | 2 38 | 0 44 | 7 5 | 1 51 | 2 46 | 14 36 | 15 2 | 14 55 | 19 35 | 5 44 | 5 21 |
| M29 | 16 10 | 16 2 | 0n26 | 23 57 | 2 34 | 27 49 | 4 36 | 23 26 | 0 54 | 20 59 | 0 47 | 8 39 | 2 44 | 2 37 | 0 44 | 7 5 | 1 51 | 2 46 | 14 36 | 15 2 | 14 54 | 19 35 | 5 44 | 5 21 |
| T 30 | 16 28 | 18 9 | 1 32 | 23 58 | 2 29 | 27 47 | 4 33 | 23 32 | 0 55 | 20 57 | 0 47 | 8 37 | 2 44 | 2 36 | 0 44 | 7 4 | 1 51 | 2 45 | 14 36 | 15 2 | 14 53 | 19 34 | 5 45 | 5 21 |
| W31 | 16s46 | 19s24 | 2n33 | 23s57 | 2s23 | 27s44 | 4s29 | 23s37 | 0s55 | 20s55 | 0s46 | 8n36 | 2s44 | 2n34 | 0n44 | 7n 3 | 1s51 | 2n45 | 14s36 | 15s 2 | 14s52 | 19s34 | 5s45 | 5n20 |

Julian Day Number = 2225376.5, Delta T = 08m23s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'08, Lahiri = 15°13'09 Julian Calendar 1 Oct. 1380 == Greg. Calendar 9 Oct. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## NOVEMBER 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 14 36 | 17♏17'23 | 21♐18 | 7♐43 | 22♐ 8 | 16♐ 5 | 0♒22 | 28°R55 | 25♍16 | 22°R26 | 16°R17 | 10°R31 | 9♏57 | 0♑20 | 2°R10 | T 1 |
| F 2 | 3 18 33 | 18°18'00 | 3♑ 8 | 7°58 | 22°24 | 16°50 | 0°31 | 28♈51 | 25°19 | 22♈25 | 16♉16 | 10♏30 | 9°54 | 0°27 | 2♓10 | F 2 |
| S 3 | 3 22 29 | 19°18'38 | 14°58 | 8°R 4 | 22°37 | 17°36 | 0°39 | 28°46 | 25°21 | 22°23 | 16°15 | 10°29 | 9°51 | 0°34 | 2°10 | S 3 |
| S 4 | 3 26 26 | 20°19'18 | 26°50 | 8° 0 | 22°48 | 18°21 | 0°48 | 28°42 | 25°24 | 22°22 | 16°14 | 10°28 | 9°48 | 0°40 | 2°D10 | S 4 |
| M 5 | 3 30 22 | 21°19'59 | 8♒49 | 7°47 | 22°57 | 19° 6 | 0°57 | 28°38 | 25°26 | 22°20 | 16°13 | 10°27 | 9°45 | 0°47 | 2°10 | M 5 |
| T 6 | 3 34 19 | 22°20'41 | 20°59 | 7°23 | 23° 4 | 19°52 | 1° 6 | 28°33 | 25°29 | 22°19 | 16°12 | 10°D27 | 9°42 | 0°54 | 2°10 | T 6 |
| W 7 | 3 38 16 | 23°21'24 | 3♓25 | 6°49 | 23° 8 | 20°37 | 1°15 | 28°29 | 25°31 | 22°18 | 16°11 | 10°27 | 9°38 | 1° 0 | 2°10 | W 7 |
| T 8 | 3 42 12 | 24°22'08 | 16°11 | 6° 3 | 23°R10 | 21°23 | 1°24 | 28°25 | 25°34 | 22°16 | 16°10 | 10°28 | 9°35 | 1° 7 | 2°10 | T 8 |
| F 9 | 3 46 9 | 25°22'54 | 29°20 | 5° 8 | 23° 9 | 22° 8 | 1°34 | 28°21 | 25°36 | 22°15 | 16° 8 | 10°29 | 9°32 | 1°14 | 2°11 | F 9 |
| S 10 | 3 50 5 | 26°23'40 | 12♈56 | 4° 3 | 23° 6 | 22°54 | 1°43 | 28°17 | 25°38 | 22°14 | 16° 7 | 10°30 | 9°29 | 1°20 | 2°11 | S 10 |
| S 11 | 3 54 2 | 27°24'27 | 26°59 | 2°50 | 23° 1 | 23°40 | 1°53 | 28°13 | 25°41 | 22°12 | 16° 6 | 10°31 | 9°26 | 1°27 | 2°11 | S 11 |
| M12 | 3 57 58 | 28°25'16 | 11♉27 | 1°31 | 22°53 | 24°26 | 2° 3 | 28° 9 | 25°43 | 22°11 | 16° 5 | 10°R31 | 9°23 | 1°34 | 2°12 | M12 |
| T 13 | 4 1 55 | 29°26'05 | 26°15 | 0° 9 | 22°42 | 25°11 | 2°13 | 28° 6 | 25°45 | 22°10 | 16° 4 | 10°31 | 9°19 | 1°41 | 2°12 | T 13 |
| W14 | 4 5 51 | 0♐26'56 | 11♊17 | 28♏47 | 22°29 | 25°57 | 2°23 | 28° 2 | 25°47 | 22° 8 | 16° 3 | 10°29 | 9°16 | 1°47 | 2°13 | W14 |
| T 15 | 4 9 48 | 1°27'48 | 26°23 | 27°26 | 22°14 | 26°43 | 2°33 | 27°58 | 25°49 | 22° 7 | 16° 2 | 10°27 | 9°13 | 1°54 | 2°14 | T 15 |
| F 16 | 4 13 45 | 2°28'41 | 11♋25 | 26°11 | 21°56 | 27°29 | 2°43 | 27°55 | 25°51 | 22° 6 | 16° 1 | 10°24 | 9°10 | 2° 1 | 2°14 | F 16 |
| S 17 | 4 17 41 | 3°29'36 | 26°12 | 25° 2 | 21°36 | 28°15 | 2°53 | 27°51 | 25°53 | 22° 5 | 16° 0 | 10°21 | 9° 7 | 2° 7 | 2°15 | S 17 |
| S 18 | 4 21 38 | 4°30'32 | 10♌41 | 24° 3 | 21°14 | 29° 1 | 3° 4 | 27°48 | 25°55 | 22° 4 | 15°59 | 10°18 | 9° 3 | 2°14 | 2°16 | S 18 |
| M19 | 4 25 34 | 5°31'29 | 24°46 | 23°14 | 20°49 | 29°47 | 3°14 | 27°44 | 25°57 | 22° 3 | 15°58 | 10°17 | 9° 0 | 2°21 | 2°17 | M19 |
| T 20 | 4 29 31 | 6°32'27 | 8♍27 | 22°36 | 20°23 | 0♑33 | 3°25 | 27°41 | 25°59 | 22° 2 | 15°57 | 10°D16 | 8°57 | 2°27 | 2°17 | T 20 |
| W21 | 4 33 27 | 7°33'27 | 21°45 | 22° 9 | 19°54 | 1°19 | 3°36 | 27°38 | 26° 1 | 22° 0 | 15°56 | 10°17 | 8°54 | 2°34 | 2°18 | W21 |
| T 22 | 4 37 24 | 8°34'28 | 4♎43 | 21°54 | 19°24 | 2° 6 | 3°47 | 27°35 | 26° 2 | 21°59 | 15°54 | 10°18 | 8°51 | 2°41 | 2°19 | T 22 |
| F 23 | 4 41 20 | 9°35'29 | 17°22 | 21°D49 | 18°52 | 2°52 | 3°58 | 27°32 | 26° 4 | 21°58 | 15°53 | 10°20 | 8°48 | 2°47 | 2°21 | F 23 |
| S 24 | 4 45 17 | 10°36'32 | 29°48 | 21°55 | 18°19 | 3°38 | 4° 9 | 27°29 | 26° 6 | 21°57 | 15°52 | 10°22 | 8°44 | 2°54 | 2°22 | S 24 |
| S 25 | 4 49 14 | 11°37'36 | 12♏ 2 | 22°10 | 17°45 | 4°25 | 4°20 | 27°26 | 26° 7 | 21°56 | 15°51 | 10°R22 | 8°41 | 3° 1 | 2°23 | S 25 |
| M26 | 4 53 10 | 12°38'41 | 24° 7 | 22°34 | 17°10 | 5°11 | 4°32 | 27°24 | 26° 9 | 21°55 | 15°50 | 10°21 | 8°38 | 3° 8 | 2°24 | M26 |
| T 27 | 4 57 7 | 13°39'47 | 6♐ 6 | 23° 5 | 16°34 | 5°58 | 4°43 | 27°21 | 26°10 | 21°55 | 15°49 | 10°18 | 8°35 | 3°14 | 2°25 | T 27 |
| W28 | 5 1 3 | 14°40'54 | 18° 0 | 23°44 | 15°58 | 6°44 | 4°55 | 27°19 | 26°12 | 21°54 | 15°48 | 10°14 | 8°32 | 3°21 | 2°27 | W28 |
| T 29 | 5 5 0 | 15°42'01 | 29°52 | 24°28 | 15°22 | 7°31 | 5° 6 | 27°16 | 26°13 | 21°53 | 15°47 | 10° 8 | 8°29 | 3°28 | 2°28 | T 29 |
| F 30 | 5 8 56 | 16♐43'09 | 11♑42 | 25♏18 | 14♐45 | 8♑17 | 5♒18 | 27♈14 | 26♍14 | 21♈52 | 15♉47 | 10♏ 1 | 8♏25 | 3♑34 | 2♓30 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 3 | 19s47 | 3n27 | 23s54 | 2s16 | 27s41 | 4s25 | 23s43 | 0s56 | 20s54 | 0s46 | 8n34 | 2s44 | 2n33 | 0n44 | 7n 3 | 1s51 | 2n45 | 14s36 | 15s 2 | 14s51 | 19s33 | 5s45 | 5n20 |
| F 2 | 17 20 | 19 17 | 4 12 | 23 48 | 2 7 | 27 38 | 4 20 | 23 48 | 0 56 | 20 52 | 0 46 | 8 33 | 2 44 | 2 32 | 0 44 | 7 2 | 1 51 | 2 45 | 14 36 | 15 1 | 14 50 | 19 32 | 5 46 | 5 19 |
| S 3 | 17 37 | 17 56 | 4 46 | 23 39 | 1 57 | 27 33 | 4 15 | 23 52 | 0 56 | 20 50 | 0 46 | 8 31 | 2 44 | 2 31 | 0 44 | 7 2 | 1 51 | 2 44 | 14 36 | 15 1 | 14 49 | 19 32 | 5 46 | 5 19 |
| S 4 | 17 53 | 15 49 | 5 8 | 23 27 | 1 46 | 27 28 | 4 9 | 23 57 | 0 57 | 20 48 | 0 46 | 8 30 | 2 43 | 2 30 | 0 44 | 7 1 | 1 51 | 2 44 | 14 36 | 15 0 | 14 48 | 19 31 | 5 46 | 5 19 |
| M 5 | 18 9 | 13 1 | 5 17 | 23 12 | 1 32 | 27 23 | 4 4 | 24 1 | 0 57 | 20 46 | 0 46 | 8 29 | 2 43 | 2 29 | 0 44 | 7 1 | 1 51 | 2 44 | 14 36 | 15 0 | 14 47 | 19 31 | 5 47 | 5 18 |
| T 6 | 18 25 | 9 37 | 5 12 | 22 54 | 1 18 | 27 17 | 3 57 | 24 5 | 0 57 | 20 44 | 0 46 | 8 27 | 2 43 | 2 28 | 0 44 | 7 0 | 1 51 | 2 44 | 14 36 | 15 0 | 14 46 | 19 30 | 5 47 | 5 18 |
| W 7 | 18 40 | 5 45 | 4 52 | 22 32 | 1 2 | 27 10 | 3 50 | 24 9 | 0 58 | 20 42 | 0 46 | 8 26 | 2 43 | 2 28 | 0 44 | 7 0 | 1 50 | 2 43 | 14 36 | 15 0 | 14 45 | 19 29 | 5 47 | 5 18 |
| T 8 | 18 55 | 1 31 | 4 18 | 22 7 | 0 44 | 27 3 | 3 43 | 24 12 | 0 58 | 20 40 | 0 46 | 8 25 | 2 43 | 2 27 | 0 44 | 6 59 | 1 50 | 2 43 | 14 36 | 15 0 | 14 44 | 19 29 | 5 48 | 5 17 |
| F 9 | 19 10 | 2n56 | 3 29 | 21 38 | 0 25 | 26 55 | 3 35 | 24 15 | 0 58 | 20 38 | 0 46 | 8 23 | 2 43 | 2 26 | 0 44 | 6 59 | 1 50 | 2 43 | 14 36 | 15 1 | 14 43 | 19 28 | 5 48 | 5 17 |
| S 10 | 19 25 | 7 23 | 2 27 | 21 7 | 0 6 | 26 46 | 3 26 | 24 18 | 0 59 | 20 35 | 0 46 | 8 22 | 2 42 | 2 25 | 0 44 | 6 58 | 1 50 | 2 43 | 14 36 | 15 1 | 14 42 | 19 28 | 5 48 | 5 17 |
| S 11 | 19 39 | 11 35 | 1 14 | 20 33 | 0n15 | 26 37 | 3 17 | 24 21 | 0 59 | 20 33 | 0 46 | 8 21 | 2 42 | 2 24 | 0 44 | 6 58 | 1 50 | 2 42 | 14 36 | 15 2 | 14 41 | 19 27 | 5 48 | 5 16 |
| M12 | 19 52 | 15 14 | 0s 5 | 19 57 | 0 35 | 26 27 | 3 7 | 24 23 | 0 59 | 20 31 | 0 46 | 8 20 | 2 42 | 2 23 | 0 44 | 6 58 | 1 50 | 2 42 | 14 36 | 15 2 | 14 40 | 19 26 | 5 49 | 5 16 |
| T 13 | 20 6 | 17 59 | 1 26 | 19 21 | 0 56 | 26 16 | 2 57 | 24 25 | 1 0 | 20 29 | 0 46 | 8 19 | 2 42 | 2 22 | 0 44 | 6 57 | 1 50 | 2 42 | 14 35 | 15 1 | 14 39 | 19 26 | 5 49 | 5 15 |
| W14 | 20 19 | 19 32 | 2 42 | 18 44 | 1 15 | 26 4 | 2 46 | 24 27 | 1 0 | 20 26 | 0 46 | 8 17 | 2 42 | 2 21 | 0 44 | 6 57 | 1 50 | 2 42 | 14 35 | 15 1 | 14 38 | 19 25 | 5 49 | 5 15 |
| T 15 | 20 31 | 19 41 | 3 47 | 18 8 | 1 33 | 25 52 | 2 35 | 24 29 | 1 0 | 20 24 | 0 46 | 8 16 | 2 42 | 2 21 | 0 44 | 6 56 | 1 50 | 2 42 | 14 35 | 15 0 | 14 37 | 19 24 | 5 49 | 5 15 |
| F 16 | 20 43 | 18 27 | 4 36 | 17 35 | 1 50 | 25 39 | 2 23 | 24 30 | 1 1 | 20 22 | 0 46 | 8 15 | 2 41 | 2 20 | 0 44 | 6 56 | 1 50 | 2 41 | 14 35 | 14 59 | 14 36 | 19 24 | 5 49 | 5 14 |
| S 17 | 20 55 | 15 59 | 5 5 | 17 5 | 2 4 | 25 26 | 2 11 | 24 31 | 1 1 | 20 19 | 0 46 | 8 14 | 2 41 | 2 19 | 0 44 | 6 55 | 1 50 | 2 41 | 14 35 | 14 58 | 14 35 | 19 23 | 5 49 | 5 14 |
| S 18 | 21 7 | 12 34 | 5 15 | 16 39 | 2 16 | 25 11 | 1 58 | 24 32 | 1 1 | 20 17 | 0 46 | 8 13 | 2 41 | 2 18 | 0 44 | 6 55 | 1 50 | 2 41 | 14 35 | 14 57 | 14 34 | 19 23 | 5 49 | 5 14 |
| M19 | 21 18 | 8 31 | 5 5 | 16 17 | 2 26 | 24 56 | 1 45 | 24 32 | 1 1 | 20 14 | 0 46 | 8 12 | 2 41 | 2 18 | 0 44 | 6 55 | 1 50 | 2 41 | 14 35 | 14 57 | 14 33 | 19 22 | 5 49 | 5 13 |
| T 20 | 21 28 | 4 8 | 4 38 | 16 0 | 2 34 | 24 41 | 1 31 | 24 33 | 1 2 | 20 12 | 0 46 | 8 11 | 2 40 | 2 17 | 0 44 | 6 54 | 1 50 | 2 41 | 14 35 | 14 57 | 14 32 | 19 21 | 5 49 | 5 13 |
| W21 | 21 39 | 0s20 | 3 56 | 15 47 | 2 40 | 24 24 | 1 17 | 24 33 | 1 2 | 20 9 | 0 46 | 8 10 | 2 40 | 2 16 | 0 44 | 6 54 | 1 50 | 2 41 | 14 35 | 14 57 | 14 31 | 19 21 | 5 49 | 5 13 |
| T 22 | 21 48 | 4 41 | 3 3 | 15 40 | 2 44 | 24 8 | 1 2 | 24 32 | 1 2 | 20 7 | 0 46 | 8 10 | 2 40 | 2 16 | 0 45 | 6 54 | 1 50 | 2 40 | 14 34 | 14 58 | 14 30 | 19 20 | 5 49 | 5 12 |
| F 23 | 21 58 | 8 44 | 2 3 | 15 37 | 2 46 | 23 50 | 0 47 | 24 32 | 1 2 | 20 4 | 0 46 | 8 9 | 2 40 | 2 15 | 0 45 | 6 53 | 1 50 | 2 40 | 14 34 | 14 58 | 14 29 | 19 19 | 5 49 | 5 12 |
| S 24 | 22 7 | 12 20 | 0 58 | 15 38 | 2 46 | 23 32 | 0 32 | 24 31 | 1 3 | 20 1 | 0 46 | 8 8 | 2 39 | 2 14 | 0 45 | 6 53 | 1 50 | 2 40 | 14 34 | 14 59 | 14 28 | 19 19 | 5 49 | 5 12 |
| S 25 | 22 15 | 15 21 | 0n 9 | 15 43 | 2 45 | 23 14 | 0 17 | 24 29 | 1 3 | 19 59 | 0 46 | 8 7 | 2 39 | 2 14 | 0 45 | 6 53 | 1 50 | 2 40 | 14 34 | 14 59 | 14 27 | 19 18 | 5 49 | 5 11 |
| M26 | 22 23 | 17 39 | 1 15 | 15 51 | 2 43 | 22 55 | 0 1 | 24 28 | 1 3 | 19 56 | 0 46 | 8 6 | 2 39 | 2 13 | 0 45 | 6 52 | 1 50 | 2 40 | 14 34 | 14 58 | 14 26 | 19 17 | 5 49 | 5 11 |
| T 27 | 22 31 | 19 10 | 2 16 | 16 2 | 2 40 | 22 36 | 0n14 | 24 26 | 1 3 | 19 53 | 0 46 | 8 6 | 2 39 | 2 13 | 0 45 | 6 52 | 1 50 | 2 40 | 14 34 | 14 58 | 14 25 | 19 17 | 5 49 | 5 10 |
| W28 | 22 38 | 19 48 | 3 11 | 16 15 | 2 35 | 22 17 | 0 30 | 24 24 | 1 4 | 19 50 | 0 46 | 8 5 | 2 38 | 2 12 | 0 45 | 6 52 | 1 50 | 2 40 | 14 33 | 14 56 | 14 24 | 19 16 | 5 49 | 5 10 |
| T 29 | 22 45 | 19 34 | 3 57 | 16 31 | 2 30 | 21 57 | 0 46 | 24 22 | 1 4 | 19 48 | 0 46 | 8 4 | 2 38 | 2 12 | 0 45 | 6 51 | 1 50 | 2 40 | 14 33 | 14 54 | 14 23 | 19 15 | 5 48 | 5 10 |
| F 30 | 22s51 | 18s28 | 4n33 | 16s49 | 2n25 | 21s38 | 1n 1 | 24s19 | 1s 4 | 19s45 | 0s46 | 8n 4 | 2s38 | 2n11 | 0n45 | 6n51 | 1s50 | 2n40 | 14s33 | 14s52 | 14s21 | 19s15 | 5s48 | 5n 9 |

Julian Day Number = 2225407.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'13, Lahiri = 15°13'13 Julian Calendar 1 Nov. 1380 == Greg. Calendar 9 Nov. 1380


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# ASTRODIENST EPHEMERIS for the year 1380
# geocentric

## DECEMBER 1380 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 12 53 | 17♐44'17 | 23♑33 | 26♏13 | 14°R 9 | 9♑ 4 | 5♒30 | 27°R12 | 26♍16 | 21°R51 | 15°R46 | 9°R53 | 8♏22 | 3♑41 | 2♓31 | S 1 |
| S 2 | 5 16 49 | 18°45'26 | 5♒27 | 27°12 | 13♐34 | 9°50 | 5°42 | 27♈10 | 26°17 | 21♈50 | 15♉45 | 9♏46 | 8°19 | 3°48 | 2°33 | S 2 |
| M 3 | 5 20 46 | 19°46'34 | 17°27 | 28°15 | 12°59 | 10°37 | 5°54 | 27° 8 | 26°18 | 21°50 | 15°44 | 9°40 | 8°16 | 3°54 | 2°34 | M 3 |
| T 4 | 5 24 43 | 20°47'44 | 29°35 | 29°21 | 12°25 | 11°24 | 6° 6 | 27° 6 | 26°19 | 21°49 | 15°43 | 9°36 | 8°13 | 4° 1 | 2°36 | T 4 |
| W 5 | 5 28 39 | 21°48'53 | 11♓57 | 0♐30 | 11°53 | 12°11 | 6°18 | 27° 4 | 26°20 | 21°48 | 15°42 | 9°33 | 8° 9 | 4° 8 | 2°38 | W 5 |
| T 6 | 5 32 36 | 22°50'02 | 24°36 | 1°42 | 11°22 | 12°57 | 6°30 | 27° 2 | 26°21 | 21°48 | 15°41 | 9°D33 | 8° 6 | 4°15 | 2°40 | T 6 |
| F 7 | 5 36 32 | 23°51'12 | 7♈36 | 2°56 | 10°53 | 13°44 | 6°42 | 27° 1 | 26°22 | 21°47 | 15°40 | 9°34 | 8° 3 | 4°21 | 2°41 | F 7 |
| S 8 | 5 40 29 | 24°52'21 | 21° 2 | 4°11 | 10°25 | 14°31 | 6°55 | 26°59 | 26°23 | 21°47 | 15°39 | 9°35 | 8° 0 | 4°28 | 2°43 | S 8 |
| S 9 | 5 44 25 | 25°53'31 | 4♉55 | 5°29 | 10° 0 | 15°18 | 7° 7 | 26°58 | 26°24 | 21°46 | 15°39 | 9°R36 | 7°57 | 4°35 | 2°45 | S 9 |
| M10 | 5 48 22 | 26°54'40 | 19°17 | 6°48 | 9°36 | 16° 5 | 7°20 | 26°57 | 26°25 | 21°46 | 15°38 | 9°36 | 7°54 | 4°41 | 2°47 | M10 |
| T 11 | 5 52 18 | 27°55'50 | 4♊ 4 | 8° 8 | 9°15 | 16°52 | 7°32 | 26°56 | 26°25 | 21°45 | 15°37 | 9°33 | 7°50 | 4°48 | 2°49 | T 11 |
| W12 | 5 56 15 | 28°57'00 | 19°12 | 9°29 | 8°56 | 17°39 | 7°45 | 26°54 | 26°26 | 21°45 | 15°36 | 9°29 | 7°47 | 4°55 | 2°51 | W12 |
| T 13 | 6 0 12 | 29°58'10 | 4♋31 | 10°52 | 8°39 | 18°26 | 7°58 | 26°54 | 26°27 | 21°44 | 15°35 | 9°22 | 7°44 | 5° 1 | 2°54 | T 13 |
| F 14 | 6 4 8 | 0♑59'19 | 19°51 | 12°16 | 8°25 | 19°13 | 8°10 | 26°53 | 26°27 | 21°44 | 15°35 | 9°14 | 7°41 | 5° 8 | 2°56 | F 14 |
| S 15 | 6 8 5 | 2° 0'30 | 4♌59 | 13°40 | 8°14 | 20° 0 | 8°23 | 26°52 | 26°28 | 21°43 | 15°34 | 9° 6 | 7°38 | 5°15 | 2°58 | S 15 |
| S 16 | 6 12 1 | 3° 1'40 | 19°46 | 15° 5 | 8° 5 | 20°47 | 8°36 | 26°52 | 26°28 | 21°43 | 15°33 | 8°58 | 7°35 | 5°22 | 3° 0 | S 16 |
| M17 | 6 15 58 | 4° 2'50 | 4♍ 7 | 16°31 | 7°58 | 21°34 | 8°49 | 26°51 | 26°28 | 21°43 | 15°32 | 8°52 | 7°31 | 5°28 | 3° 3 | M17 |
| T 18 | 6 19 54 | 5° 4'01 | 17°58 | 17°58 | 7°54 | 22°21 | 9° 2 | 26°51 | 26°29 | 21°43 | 15°32 | 8°48 | 7°28 | 5°35 | 3° 5 | T 18 |
| W19 | 6 23 51 | 6° 5'11 | 1♎20 | 19°25 | 7°D52 | 23° 8 | 9°16 | 26°50 | 26°29 | 21°42 | 15°31 | 8°D47 | 7°25 | 5°42 | 3° 7 | W19 |
| T 20 | 6 27 47 | 7° 6'22 | 14°16 | 20°53 | 7°53 | 23°55 | 9°29 | 26°50 | 26°29 | 21°42 | 15°30 | 8°47 | 7°22 | 5°48 | 3°10 | T 20 |
| F 21 | 6 31 44 | 8° 7'33 | 26°50 | 22°22 | 7°57 | 24°42 | 9°42 | 26°D50 | 26°29 | 21°42 | 15°30 | 8°48 | 7°19 | 5°55 | 3°12 | F 21 |
| S 22 | 6 35 41 | 9° 8'44 | 9♏ 7 | 23°51 | 8° 2 | 25°30 | 9°55 | 26°50 | 26°30 | 21°42 | 15°29 | 8°R48 | 7°15 | 6° 2 | 3°15 | S 22 |
| S 23 | 6 39 37 | 10° 9'55 | 21°12 | 25°21 | 8°10 | 26°17 | 10° 9 | 26°51 | 26°R30 | 21°42 | 15°29 | 8°47 | 7°12 | 6° 9 | 3°18 | S 23 |
| M24 | 6 43 34 | 11°11'07 | 3♐ 9 | 26°51 | 8°21 | 27° 4 | 10°22 | 26°51 | 26°30 | 21°D42 | 15°28 | 8°44 | 7° 9 | 6°15 | 3°20 | M24 |
| T 25 | 6 47 30 | 12°12'17 | 15° 0 | 28°21 | 8°33 | 27°51 | 10°36 | 26°51 | 26°29 | 21°42 | 15°27 | 8°38 | 7° 6 | 6°22 | 3°23 | T 25 |
| W26 | 6 51 27 | 13°13'28 | 26°50 | 29°53 | 8°48 | 28°39 | 10°49 | 26°52 | 26°29 | 21°42 | 15°27 | 8°30 | 7° 3 | 6°29 | 3°26 | W26 |
| T 27 | 6 55 23 | 14°14'39 | 8♑41 | 1♑24 | 9° 5 | 29°26 | 11° 3 | 26°53 | 26°29 | 21°42 | 15°26 | 8°18 | 7° 0 | 6°35 | 3°28 | T 27 |
| F 28 | 6 59 20 | 15°15'48 | 20°33 | 2°56 | 9°23 | 0♒13 | 11°16 | 26°53 | 26°29 | 21°42 | 15°26 | 8° 5 | 6°56 | 6°42 | 3°31 | F 28 |
| S 29 | 7 3 16 | 16°16'58 | 2♒28 | 4°29 | 9°44 | 1° 1 | 11°30 | 26°54 | 26°29 | 21°42 | 15°25 | 7°51 | 6°53 | 6°49 | 3°34 | S 29 |
| S 30 | 7 7 13 | 17°18'07 | 14°29 | 6° 2 | 10° 7 | 1°48 | 11°44 | 26°55 | 26°28 | 21°43 | 15°25 | 7°38 | 6°50 | 6°55 | 3°37 | S 30 |
| M31 | 7 11 10 | 18♑19'15 | 26♒35 | 7♑36 | 10♐31 | 2♒35 | 11♒58 | 26♈56 | 26♍28 | 21♈43 | 15♉24 | 7♏26 | 6♏47 | 7♑ 2 | 3♓40 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s57 | 16s34 | 4n58 | 17s 7 | 2n19 | 21s18 | 1n16 | 24s16 | 1s 4 | 19s42 | 0s46 | 8n 3 | 2s38 | 2n11 | 0n45 | 6n51 | 1s49 | 2n40 | 14s33 | 14s50 | 14s20 | 19s14 | 5s48 | 5n 9 |
| S 2 | 23 2 | 13 58 | 5 9 | 17 27 | 2 12 | 20 59 | 1 32 | 24 13 | 1 4 | 19 39 | 0 46 | 8 3 | 2 37 | 2 10 | 0 45 | 6 51 | 1 49 | 2 39 | 14 33 | 14 47 | 14 19 | 19 13 | 5 48 | 5 9 |
| M 3 | 23 7 | 10 47 | 5 7 | 17 48 | 2 5 | 20 40 | 1 46 | 24 10 | 1 4 | 19 36 | 0 46 | 8 2 | 2 37 | 2 10 | 0 45 | 6 51 | 1 49 | 2 39 | 14 32 | 14 45 | 14 18 | 19 13 | 5 47 | 5 8 |
| T 4 | 23 12 | 7 6 | 4 51 | 18 10 | 1 58 | 20 22 | 2 1 | 24 6 | 1 5 | 19 33 | 0 46 | 8 2 | 2 37 | 2 9 | 0 45 | 6 50 | 1 49 | 2 39 | 14 32 | 14 44 | 14 17 | 19 12 | 5 47 | 5 8 |
| W 5 | 23 16 | 3 4 | 4 22 | 18 32 | 1 50 | 20 3 | 2 15 | 24 2 | 1 5 | 19 30 | 0 46 | 8 2 | 2 37 | 2 9 | 0 45 | 6 50 | 1 49 | 2 39 | 14 32 | 14 43 | 14 16 | 19 11 | 5 47 | 5 8 |
| T 6 | 23 19 | 1n12 | 3 39 | 18 54 | 1 42 | 19 46 | 2 29 | 23 58 | 1 5 | 19 27 | 0 46 | 8 1 | 2 36 | 2 9 | 0 45 | 6 50 | 1 49 | 2 39 | 14 32 | 14 43 | 14 15 | 19 11 | 5 47 | 5 7 |
| F 7 | 23 22 | 5 32 | 2 44 | 19 16 | 1 35 | 19 29 | 2 42 | 23 53 | 1 5 | 19 24 | 0 46 | 8 1 | 2 36 | 2 8 | 0 45 | 6 50 | 1 49 | 2 39 | 14 32 | 14 43 | 14 14 | 19 10 | 5 46 | 5 7 |
| S 8 | 23 25 | 9 45 | 1 39 | 19 38 | 1 27 | 19 12 | 2 55 | 23 48 | 1 5 | 19 20 | 0 46 | 8 1 | 2 36 | 2 8 | 0 45 | 6 50 | 1 49 | 2 39 | 14 31 | 14 44 | 14 13 | 19 9 | 5 46 | 5 7 |
| S 9 | 23 27 | 13 36 | 0 25 | 20 0 | 1 19 | 18 57 | 3 7 | 23 43 | 1 5 | 19 17 | 0 46 | 8 0 | 2 35 | 2 8 | 0 45 | 6 49 | 1 49 | 2 39 | 14 31 | 14 44 | 14 12 | 19 8 | 5 45 | 5 6 |
| M10 | 23 29 | 16 46 | 0s52 | 20 21 | 1 11 | 18 42 | 3 18 | 23 38 | 1 5 | 19 14 | 0 46 | 8 0 | 2 35 | 2 7 | 0 45 | 6 49 | 1 49 | 2 39 | 14 31 | 14 44 | 14 11 | 19 8 | 5 45 | 5 6 |
| T 11 | 23 30 | 18 56 | 2 8 | 20 42 | 1 3 | 18 28 | 3 29 | 23 32 | 1 6 | 19 11 | 0 46 | 8 0 | 2 35 | 2 7 | 0 45 | 6 49 | 1 49 | 2 39 | 14 31 | 14 43 | 14 10 | 19 7 | 5 45 | 5 6 |
| W12 | 23 31 | 19 48 | 3 17 | 21 3 | 0 54 | 18 15 | 3 40 | 23 26 | 1 6 | 19 8 | 0 46 | 8 0 | 2 35 | 2 7 | 0 45 | 6 49 | 1 49 | 2 39 | 14 30 | 14 42 | 14 9 | 19 6 | 5 44 | 5 6 |
| T 13 | 23 31 | 19 14 | 4 12 | 21 23 | 0 46 | 18 2 | 3 49 | 23 20 | 1 6 | 19 4 | 0 46 | 8 0 | 2 34 | 2 7 | 0 45 | 6 49 | 1 49 | 2 39 | 14 30 | 14 40 | 14 8 | 19 6 | 5 44 | 5 5 |
| F 14 | 23 31 | 17 17 | 4 49 | 21 42 | 0 38 | 17 51 | 3 59 | 23 13 | 1 6 | 19 1 | 0 46 | 8 0 | 2 34 | 2 6 | 0 45 | 6 49 | 1 49 | 2 39 | 14 30 | 14 37 | 14 7 | 19 5 | 5 43 | 5 5 |
| S 15 | 23 30 | 14 8 | 5 6 | 22 1 | 0 31 | 17 41 | 4 7 | 23 7 | 1 6 | 18 58 | 0 46 | 8 0 | 2 34 | 2 6 | 0 45 | 6 49 | 1 49 | 2 39 | 14 30 | 14 34 | 14 6 | 19 4 | 5 43 | 5 5 |
| S 16 | 23 29 | 10 10 | 5 1 | 22 18 | 0 23 | 17 32 | 4 15 | 23 0 | 1 6 | 18 54 | 0 46 | 8 0 | 2 33 | 2 6 | 0 45 | 6 49 | 1 49 | 2 39 | 14 29 | 14 32 | 14 5 | 19 3 | 5 42 | 5 4 |
| M17 | 23 27 | 5 43 | 4 37 | 22 35 | 0 15 | 17 23 | 4 23 | 22 52 | 1 6 | 18 51 | 0 46 | 8 0 | 2 33 | 2 6 | 0 45 | 6 49 | 1 49 | 2 39 | 14 29 | 14 30 | 14 4 | 19 3 | 5 42 | 5 4 |
| T 18 | 23 25 | 1 7 | 3 58 | 22 51 | 0 7 | 17 16 | 4 29 | 22 45 | 1 6 | 18 47 | 0 46 | 8 0 | 2 33 | 2 6 | 0 46 | 6 49 | 1 49 | 2 40 | 14 29 | 14 29 | 14 3 | 19 2 | 5 41 | 5 4 |
| W19 | 23 23 | 3s23 | 3 7 | 23 6 | 0s 0 | 17 10 | 4 36 | 22 37 | 1 6 | 18 44 | 0 46 | 8 1 | 2 33 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 29 | 14 28 | 14 2 | 19 1 | 5 40 | 5 3 |
| T 20 | 23 20 | 7 36 | 2 8 | 23 20 | 0 7 | 17 4 | 4 41 | 22 29 | 1 6 | 18 40 | 0 46 | 8 1 | 2 32 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 28 | 14 28 | 14 1 | 19 0 | 5 40 | 5 3 |
| F 21 | 23 16 | 11 22 | 1 4 | 23 32 | 0 15 | 16 59 | 4 47 | 22 21 | 1 6 | 18 37 | 0 46 | 8 1 | 2 32 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 28 | 14 29 | 14 0 | 19 0 | 5 39 | 5 3 |
| S 22 | 23 12 | 14 33 | 0n 2 | 23 44 | 0 22 | 16 56 | 4 51 | 22 12 | 1 6 | 18 33 | 0 46 | 8 1 | 2 32 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 28 | 14 29 | 13 59 | 18 59 | 5 39 | 5 3 |
| S 23 | 23 8 | 17 4 | 1 6 | 23 55 | 0 29 | 16 53 | 4 55 | 22 3 | 1 6 | 18 30 | 0 46 | 8 2 | 2 31 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 28 | 14 29 | 13 58 | 18 58 | 5 38 | 5 2 |
| M24 | 23 3 | 18 47 | 2 6 | 24 4 | 0 35 | 16 51 | 4 59 | 21 54 | 1 6 | 18 26 | 0 46 | 8 2 | 2 31 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 27 | 14 28 | 13 57 | 18 57 | 5 37 | 5 2 |
| T 25 | 22 57 | 19 41 | 3 0 | 24 13 | 0 42 | 16 50 | 5 2 | 21 45 | 1 6 | 18 22 | 0 46 | 8 3 | 2 31 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 27 | 14 26 | 13 56 | 18 57 | 5 37 | 5 2 |
| W26 | 22 51 | 19 42 | 3 47 | 24 20 | 0 48 | 16 49 | 5 5 | 21 35 | 1 6 | 18 19 | 0 46 | 8 3 | 2 30 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 27 | 14 23 | 13 55 | 18 56 | 5 36 | 5 1 |
| T 27 | 22 45 | 18 52 | 4 23 | 24 25 | 0 55 | 16 49 | 5 7 | 21 25 | 1 6 | 18 15 | 0 46 | 8 4 | 2 30 | 2 6 | 0 46 | 6 49 | 1 48 | 2 40 | 14 27 | 14 19 | 13 54 | 18 55 | 5 35 | 5 1 |
| F 28 | 22 38 | 17 12 | 4 48 | 24 30 | 1 1 | 16 50 | 5 9 | 21 15 | 1 6 | 18 11 | 0 46 | 8 4 | 2 30 | 2 6 | 0 46 | 6 49 | 1 48 | 2 41 | 14 26 | 14 15 | 13 53 | 18 54 | 5 34 | 5 1 |
| S 29 | 22 31 | 14 48 | 5 0 | 24 33 | 1 6 | 16 51 | 5 11 | 21 5 | 1 6 | 18 7 | 0 46 | 8 5 | 2 30 | 2 6 | 0 46 | 6 49 | 1 48 | 2 41 | 14 26 | 14 11 | 13 51 | 18 53 | 5 34 | 5 1 |
| S 30 | 22 24 | 11 46 | 4 59 | 24 35 | 1 12 | 16 54 | 5 12 | 20 54 | 1 6 | 18 4 | 0 46 | 8 5 | 2 29 | 2 7 | 0 46 | 6 49 | 1 48 | 2 41 | 14 26 | 14 6 | 13 50 | 18 53 | 5 33 | 5 0 |
| M31 | 22s16 | 8s14 | 4n45 | 24s35 | 1s17 | 16s56 | 5n13 | 20s43 | 1s 6 | 18s 0 | 0s46 | 8n 6 | 2s29 | 2n 7 | 0n46 | 6n49 | 1s48 | 2n41 | 14s25 | 14s 2 | 13s49 | 18s52 | 5s32 | 5n 0 |

Julian Day Number = 2225437.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'17, Lahiri = 15°13'17 Julian Calendar 1 Dec. 1380 == Greg. Calendar 9 Dec. 1380


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## JANUARY 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 15 6 | 19♉20'22 | 8♓49 | 9♉10 | 10♐57 | 3♒23 | 12♒11 | 26♈58 | 26°R27 | 21♈43 | 15°R24 | 7°R17 | 6♏44 | 7♉ 9 | 3♓43 | T 1 |
| W 2 | 7 19 3 | 20°21'28 | 21°13 | 10°45 | 11°25 | 4°10 | 12°25 | 26°59 | 26♍27 | 21°43 | 15♉24 | 7♏11 | 6°41 | 7°16 | 3°46 | W 2 |
| T 3 | 7 22 59 | 21°22'34 | 3♈51 | 12°20 | 11°54 | 4°58 | 12°39 | 27° 0 | 26°26 | 21°44 | 15°23 | 7° 7 | 6°37 | 7°22 | 3°49 | T 3 |
| F 4 | 7 26 56 | 22°23'38 | 16°47 | 13°56 | 12°25 | 5°45 | 12°53 | 27° 2 | 26°26 | 21°44 | 15°23 | 7° 6 | 6°34 | 7°29 | 3°52 | F 4 |
| S 5 | 7 30 52 | 23°24'42 | 0♉ 3 | 15°32 | 12°58 | 6°32 | 13° 7 | 27° 4 | 26°25 | 21°44 | 15°23 | 7° 6 | 6°31 | 7°36 | 3°55 | S 5 |
| S 6 | 7 34 49 | 24°25'44 | 13°43 | 17° 9 | 13°32 | 7°20 | 13°21 | 27° 5 | 26°24 | 21°45 | 15°22 | 7° 6 | 6°28 | 7°42 | 3°58 | S 6 |
| M 7 | 7 38 45 | 25°26'46 | 27°50 | 18°47 | 14° 7 | 8° 7 | 13°35 | 27° 7 | 26°23 | 21°45 | 15°22 | 7° 5 | 6°25 | 7°49 | 4° 1 | M 7 |
| T 8 | 7 42 42 | 26°27'46 | 12♊22 | 20°25 | 14°44 | 8°55 | 13°49 | 27° 9 | 26°23 | 21°46 | 15°22 | 7° 1 | 6°21 | 7°56 | 4° 4 | T 8 |
| W 9 | 7 46 39 | 27°28'45 | 27°18 | 22° 4 | 15°22 | 9°42 | 14° 3 | 27°11 | 26°22 | 21°46 | 15°21 | 6°54 | 6°18 | 8° 3 | 4° 8 | W 9 |
| T 10 | 7 50 35 | 28°29'43 | 12♋29 | 23°44 | 16° 1 | 10°30 | 14°17 | 27°14 | 26°21 | 21°47 | 15°21 | 6°45 | 6°15 | 8° 9 | 4°11 | T 10 |
| F 11 | 7 54 32 | 29°30'41 | 27°46 | 25°24 | 16°41 | 11°17 | 14°31 | 27°16 | 26°20 | 21°47 | 15°21 | 6°34 | 6°12 | 8°16 | 4°14 | F 11 |
| S 12 | 7 58 28 | 0♒31'37 | 12♌58 | 27° 5 | 17°23 | 12° 5 | 14°45 | 27°18 | 26°19 | 21°48 | 15°21 | 6°22 | 6° 9 | 8°23 | 4°18 | S 12 |
| S 13 | 8 2 25 | 1°32'32 | 27°54 | 28°46 | 18° 6 | 12°52 | 15° 0 | 27°21 | 26°18 | 21°49 | 15°21 | 6°11 | 6° 6 | 8°29 | 4°21 | S 13 |
| M14 | 8 6 21 | 2°33'26 | 12♍26 | 0♒28 | 18°49 | 13°39 | 15°14 | 27°24 | 26°16 | 21°49 | 15°20 | 6° 2 | 6° 2 | 8°36 | 4°24 | M14 |
| T 15 | 8 10 18 | 3°34'19 | 26°28 | 2°11 | 19°34 | 14°27 | 15°28 | 27°26 | 26°15 | 21°50 | 15°20 | 5°56 | 5°59 | 8°43 | 4°28 | T 15 |
| W16 | 8 14 15 | 4°35'11 | 9♎59 | 3°55 | 20°20 | 15°14 | 15°42 | 27°29 | 26°14 | 21°51 | 15°20 | 5°52 | 5°56 | 8°49 | 4°31 | W16 |
| T 17 | 8 18 11 | 5°36'03 | 23° 2 | 5°39 | 21° 7 | 16° 2 | 15°57 | 27°32 | 26°13 | 21°52 | 15°20 | 5°50 | 5°53 | 8°56 | 4°35 | T 17 |
| F 18 | 8 22 8 | 6°36'53 | 5♏40 | 7°25 | 21°54 | 16°49 | 16°11 | 27°35 | 26°11 | 21°53 | 15°20 | 5°50 | 5°50 | 9° 3 | 4°38 | F 18 |
| S 19 | 8 26 4 | 7°37'43 | 17°58 | 9°10 | 22°43 | 17°37 | 16°25 | 27°38 | 26°10 | 21°53 | 15°20 | 5°50 | 5°47 | 9°10 | 4°41 | S 19 |
| S 20 | 8 30 1 | 8°38'31 | 0♐ 1 | 10°57 | 23°32 | 18°24 | 16°40 | 27°42 | 26° 8 | 21°54 | 15°D20 | 5°49 | 5°43 | 9°16 | 4°45 | S 20 |
| M21 | 8 33 57 | 9°39'19 | 11°55 | 12°44 | 24°22 | 19°12 | 16°54 | 27°45 | 26° 7 | 21°55 | 15°20 | 5°45 | 5°40 | 9°23 | 4°49 | M21 |
| T 22 | 8 37 54 | 10°40'06 | 23°45 | 14°32 | 25°13 | 19°59 | 17° 8 | 27°48 | 26° 5 | 21°56 | 15°20 | 5°39 | 5°37 | 9°30 | 4°52 | T 22 |
| W23 | 8 41 50 | 11°40'51 | 5♑34 | 16°20 | 26° 4 | 20°47 | 17°23 | 27°52 | 26° 4 | 21°57 | 15°20 | 5°29 | 5°34 | 9°36 | 4°56 | W23 |
| T 24 | 8 45 47 | 12°41'36 | 17°25 | 18° 9 | 26°57 | 21°34 | 17°37 | 27°56 | 26° 2 | 21°58 | 15°20 | 5°17 | 5°31 | 9°43 | 4°59 | T 24 |
| F 25 | 8 49 44 | 13°42'19 | 29°21 | 19°58 | 27°50 | 22°21 | 17°51 | 27°59 | 26° 1 | 21°59 | 15°20 | 5° 4 | 5°27 | 9°50 | 5° 3 | F 25 |
| S 26 | 8 53 40 | 14°43'00 | 11♒24 | 21°48 | 28°43 | 23° 9 | 18° 6 | 28° 3 | 25°59 | 22° 0 | 15°20 | 4°49 | 5°24 | 9°57 | 5° 7 | S 26 |
| S 27 | 8 57 37 | 15°43'40 | 23°34 | 23°38 | 29°37 | 23°56 | 18°20 | 28° 7 | 25°57 | 22° 2 | 15°20 | 4°35 | 5°21 | 10° 3 | 5°10 | S 27 |
| M28 | 9 1 33 | 16°44'19 | 5♓52 | 25°28 | 0♑32 | 24°44 | 18°35 | 28°11 | 25°55 | 22° 3 | 15°21 | 4°22 | 5°18 | 10°10 | 5°14 | M28 |
| T 29 | 9 5 30 | 17°44'56 | 18°19 | 27°18 | 1°28 | 25°31 | 18°49 | 28°15 | 25°53 | 22° 4 | 15°21 | 4°12 | 5°15 | 10°17 | 5°18 | T 29 |
| W30 | 9 9 26 | 18°45'31 | 0♈56 | 29° 8 | 2°24 | 26°18 | 19° 3 | 28°19 | 25°52 | 22° 5 | 15°21 | 4° 4 | 5°12 | 10°23 | 5°21 | W30 |
| T 31 | 9 13 23 | 19♒46'05 | 13♈44 | 0♓58 | 3♑20 | 27♒ 6 | 19♒18 | 28♈24 | 25♍50 | 22♈ 6 | 15♉21 | 4♏ 0 | 5♏ 8 | 10♑30 | 5♓25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s 7 | 4s19 | 4n18 | 24s34 | 1s23 | 16s59 | 5n13 | 20s32 | 1s 6 | 17s56 | 0s46 | 8n 7 | 2s29 | 2n 7 | 0n46 | 6n50 | 1s48 | 2n41 | 14s25 | 13s59 | 13s48 | 18s51 | 5s31 | 5n 0 |
| W 2 | 21 58 | 0 9 | 3 38 | 24 32 | 1 27 | 17 3 | 5 13 | 20 21 | 1 6 | 17 52 | 0 46 | 8 8 | 2 28 | 2 7 | 0 46 | 6 50 | 1 48 | 2 41 | 14 25 | 13 57 | 13 47 | 18 50 | 5 30 | 5 0 |
| T 3 | 21 49 | 4n 5 | 2 46 | 24 28 | 1 32 | 17 7 | 5 13 | 20 10 | 1 6 | 17 48 | 0 46 | 8 8 | 2 28 | 2 8 | 0 46 | 6 50 | 1 48 | 2 42 | 14 24 | 13 56 | 13 46 | 18 50 | 5 29 | 4 59 |
| F 4 | 21 39 | 8 14 | 1 46 | 24 23 | 1 36 | 17 11 | 5 13 | 19 58 | 1 6 | 17 44 | 0 46 | 8 9 | 2 28 | 2 8 | 0 46 | 6 50 | 1 48 | 2 42 | 14 24 | 13 56 | 13 45 | 18 49 | 5 29 | 4 59 |
| S 5 | 21 29 | 12 6 | 0 37 | 24 16 | 1 40 | 17 16 | 5 12 | 19 46 | 1 6 | 17 40 | 0 46 | 8 10 | 2 27 | 2 8 | 0 46 | 6 50 | 1 47 | 2 42 | 14 24 | 13 56 | 13 44 | 18 48 | 5 28 | 4 59 |
| S 6 | 21 18 | 15 27 | 0s35 | 24 8 | 1 44 | 17 21 | 5 11 | 19 34 | 1 6 | 17 36 | 0 46 | 8 11 | 2 27 | 2 9 | 0 46 | 6 51 | 1 47 | 2 42 | 14 24 | 13 56 | 13 43 | 18 47 | 5 27 | 4 59 |
| M 7 | 21 7 | 18 0 | 1 47 | 23 58 | 1 48 | 17 26 | 5 10 | 19 22 | 1 6 | 17 32 | 0 46 | 8 12 | 2 27 | 2 9 | 0 46 | 6 51 | 1 47 | 2 42 | 14 23 | 13 55 | 13 42 | 18 46 | 5 26 | 4 58 |
| T 8 | 20 56 | 19 28 | 2 55 | 23 47 | 1 51 | 17 32 | 5 8 | 19 9 | 1 6 | 17 28 | 0 46 | 8 13 | 2 26 | 2 9 | 0 46 | 6 51 | 1 47 | 2 43 | 14 23 | 13 54 | 13 41 | 18 46 | 5 25 | 4 58 |
| W 9 | 20 44 | 19 37 | 3 52 | 23 35 | 1 54 | 17 38 | 5 6 | 18 56 | 1 6 | 17 24 | 0 46 | 8 14 | 2 26 | 2 10 | 0 46 | 6 51 | 1 47 | 2 43 | 14 23 | 13 52 | 13 40 | 18 45 | 5 24 | 4 58 |
| T 10 | 20 32 | 18 23 | 4 34 | 23 20 | 1 56 | 17 44 | 5 4 | 18 43 | 1 6 | 17 20 | 0 46 | 8 15 | 2 26 | 2 10 | 0 46 | 6 52 | 1 47 | 2 43 | 14 22 | 13 49 | 13 39 | 18 44 | 5 23 | 4 58 |
| F 11 | 20 19 | 15 49 | 4 57 | 23 4 | 1 59 | 17 50 | 5 2 | 18 30 | 1 6 | 17 16 | 0 46 | 8 16 | 2 26 | 2 10 | 0 46 | 6 52 | 1 47 | 2 43 | 14 22 | 13 45 | 13 38 | 18 43 | 5 22 | 4 58 |
| S 12 | 20 6 | 12 12 | 4 58 | 22 47 | 2 1 | 17 56 | 5 0 | 18 17 | 1 6 | 17 12 | 0 46 | 8 17 | 2 25 | 2 11 | 0 46 | 6 52 | 1 47 | 2 44 | 14 22 | 13 41 | 13 37 | 18 42 | 5 21 | 4 57 |
| S 13 | 19 53 | 7 52 | 4 39 | 22 28 | 2 2 | 18 3 | 4 57 | 18 3 | 1 5 | 17 8 | 0 46 | 8 18 | 2 25 | 2 11 | 0 47 | 6 52 | 1 47 | 2 44 | 14 21 | 13 38 | 13 36 | 18 41 | 5 20 | 4 57 |
| M14 | 19 39 | 3 11 | 4 3 | 22 7 | 2 3 | 18 9 | 4 55 | 17 49 | 1 5 | 17 4 | 0 46 | 8 20 | 2 25 | 2 12 | 0 47 | 6 53 | 1 47 | 2 44 | 14 21 | 13 35 | 13 35 | 18 41 | 5 19 | 4 57 |
| T 15 | 19 25 | 1s31 | 3 12 | 21 45 | 2 4 | 18 16 | 4 52 | 17 35 | 1 5 | 16 59 | 0 46 | 8 21 | 2 24 | 2 12 | 0 47 | 6 53 | 1 47 | 2 44 | 14 21 | 13 32 | 13 34 | 18 40 | 5 18 | 4 57 |
| W16 | 19 11 | 5 59 | 2 12 | 21 21 | 2 4 | 18 22 | 4 49 | 17 21 | 1 5 | 16 55 | 0 47 | 8 22 | 2 24 | 2 13 | 0 47 | 6 53 | 1 47 | 2 45 | 14 20 | 13 31 | 13 33 | 18 39 | 5 17 | 4 57 |
| T 17 | 18 56 | 10 1 | 1 7 | 20 55 | 2 4 | 18 28 | 4 45 | 17 7 | 1 5 | 16 51 | 0 47 | 8 24 | 2 24 | 2 13 | 0 47 | 6 54 | 1 47 | 2 45 | 14 20 | 13 31 | 13 32 | 18 38 | 5 16 | 4 56 |
| F 18 | 18 41 | 13 28 | 0 1 | 20 28 | 2 3 | 18 35 | 4 42 | 16 53 | 1 5 | 16 47 | 0 47 | 8 25 | 2 24 | 2 14 | 0 47 | 6 54 | 1 47 | 2 45 | 14 20 | 13 31 | 13 30 | 18 37 | 5 15 | 4 56 |
| S 19 | 18 25 | 16 13 | 1n 4 | 19 59 | 2 2 | 18 41 | 4 38 | 16 38 | 1 5 | 16 42 | 0 47 | 8 26 | 2 23 | 2 15 | 0 47 | 6 54 | 1 47 | 2 46 | 14 19 | 13 31 | 13 29 | 18 36 | 5 14 | 4 56 |
| S 20 | 18 10 | 18 12 | 2 4 | 19 29 | 2 1 | 18 47 | 4 35 | 16 23 | 1 4 | 16 38 | 0 47 | 8 28 | 2 23 | 2 15 | 0 47 | 6 55 | 1 47 | 2 46 | 14 19 | 13 30 | 13 28 | 18 36 | 5 12 | 4 56 |
| M21 | 17 53 | 19 21 | 2 58 | 18 56 | 1 59 | 18 53 | 4 31 | 16 8 | 1 4 | 16 34 | 0 47 | 8 29 | 2 23 | 2 16 | 0 47 | 6 55 | 1 47 | 2 46 | 14 19 | 13 29 | 13 27 | 18 35 | 5 11 | 4 56 |
| T 22 | 17 37 | 19 38 | 3 44 | 18 23 | 1 56 | 18 59 | 4 27 | 15 53 | 1 4 | 16 30 | 0 47 | 8 31 | 2 22 | 2 16 | 0 47 | 6 56 | 1 46 | 2 46 | 14 18 | 13 27 | 13 26 | 18 34 | 5 10 | 4 56 |
| W23 | 17 20 | 19 4 | 4 21 | 17 47 | 1 53 | 19 5 | 4 23 | 15 38 | 1 4 | 16 25 | 0 47 | 8 32 | 2 22 | 2 17 | 0 47 | 6 56 | 1 46 | 2 47 | 14 18 | 13 24 | 13 25 | 18 33 | 5 9 | 4 55 |
| T 24 | 17 3 | 17 40 | 4 46 | 17 10 | 1 49 | 19 10 | 4 19 | 15 22 | 1 4 | 16 21 | 0 47 | 8 34 | 2 22 | 2 18 | 0 47 | 6 57 | 1 46 | 2 47 | 14 18 | 13 20 | 13 24 | 18 32 | 5 8 | 4 55 |
| F 25 | 16 46 | 15 29 | 4 58 | 16 32 | 1 45 | 19 15 | 4 15 | 15 6 | 1 4 | 16 17 | 0 47 | 8 35 | 2 22 | 2 19 | 0 47 | 6 57 | 1 46 | 2 47 | 14 17 | 13 15 | 13 23 | 18 31 | 5 7 | 4 55 |
| S 26 | 16 28 | 12 39 | 4 58 | 15 52 | 1 40 | 19 20 | 4 10 | 14 51 | 1 3 | 16 12 | 0 47 | 8 37 | 2 21 | 2 19 | 0 47 | 6 57 | 1 46 | 2 48 | 14 17 | 13 10 | 13 22 | 18 31 | 5 6 | 4 55 |
| S 27 | 16 10 | 9 14 | 4 44 | 15 10 | 1 35 | 19 25 | 4 6 | 14 35 | 1 3 | 16 8 | 0 47 | 8 39 | 2 21 | 2 20 | 0 47 | 6 58 | 1 46 | 2 48 | 14 17 | 13 5 | 13 21 | 18 30 | 5 4 | 4 55 |
| M28 | 15 52 | 5 25 | 4 16 | 14 28 | 1 29 | 19 30 | 4 1 | 14 19 | 1 3 | 16 3 | 0 47 | 8 40 | 2 21 | 2 21 | 0 47 | 6 58 | 1 46 | 2 49 | 14 16 | 13 1 | 13 20 | 18 29 | 5 3 | 4 55 |
| T 29 | 15 34 | 1 19 | 3 36 | 13 44 | 1 22 | 19 34 | 3 57 | 14 2 | 1 3 | 15 59 | 0 47 | 8 42 | 2 21 | 2 21 | 0 47 | 6 59 | 1 46 | 2 49 | 14 16 | 12 58 | 13 19 | 18 28 | 5 2 | 4 54 |
| W30 | 15 15 | 2n54 | 2 45 | 12 58 | 1 14 | 19 38 | 3 52 | 13 46 | 1 2 | 15 54 | 0 47 | 8 44 | 2 20 | 2 22 | 0 47 | 6 59 | 1 46 | 2 49 | 14 16 | 12 55 | 13 18 | 18 27 | 5 1 | 4 54 |
| T 31 | 14s56 | 7n 3 | 1n45 | 12s12 | 1s 6 | 19s41 | 3n47 | 13s30 | 1s 2 | 15s50 | 0s47 | 8n45 | 2s20 | 2n23 | 0n47 | 7n 0 | 1s46 | 2n50 | 14s15 | 12s54 | 13s17 | 18s26 | 5s 0 | 4n54 |

Julian Day Number = 2225468.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'21, Lahiri = 15°13'21 Julian Calendar 1 Jan. 1381 == Greg. Calendar 9 Jan. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## FEBRUARY 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 17 19 | 20♒46'37 | 26♈45 | 2♓46 | 4♉17 | 27♒53 | 19♒32 | 28♈28 | 25°R48 | 22♈ 8 | 15♉21 | 3°R59 | 5♏ 5 | 10♉37 | 5♓29 | F 1 |
| S 2 | 9 21 16 | 21°47'07 | 10♉ 2 | 4°34 | 5°14 | 28°40 | 19°47 | 28°33 | 25♍46 | 22° 9 | 15°22 | 3°D59 | 5° 2 | 10°44 | 5°32 | S 2 |
| S 3 | 9 25 12 | 22°47'35 | 23°38 | 6°20 | 6°12 | 29°28 | 20° 1 | 28°37 | 25°44 | 22°10 | 15°22 | 3°R59 | 4°59 | 10°50 | 5°36 | S 3 |
| M 4 | 9 29 9 | 23°48'01 | 7♊33 | 8° 4 | 7°11 | 0♓15 | 20°15 | 28°42 | 25°42 | 22°12 | 15°22 | 3♏58 | 4°56 | 10°57 | 5°40 | M 4 |
| T 5 | 9 33 6 | 24°48'25 | 21°48 | 9°47 | 8° 9 | 1° 2 | 20°30 | 28°46 | 25°40 | 22°13 | 15°23 | 3°55 | 4°53 | 11° 4 | 5°44 | T 5 |
| W 6 | 9 37 2 | 25°48'47 | 6♋23 | 11°26 | 9° 9 | 1°50 | 20°44 | 28°51 | 25°37 | 22°14 | 15°23 | 3°50 | 4°49 | 11°10 | 5°48 | W 6 |
| T 7 | 9 40 59 | 26°49'08 | 21°12 | 13° 2 | 10° 8 | 2°37 | 20°59 | 28°56 | 25°35 | 22°16 | 15°23 | 3°42 | 4°46 | 11°17 | 5°51 | T 7 |
| F 8 | 9 44 55 | 27°49'26 | 6♌ 9 | 14°34 | 11° 8 | 3°24 | 21°13 | 29° 1 | 25°33 | 22°17 | 15°24 | 3°33 | 4°43 | 11°24 | 5°55 | F 8 |
| S 9 | 9 48 52 | 28°49'42 | 21° 5 | 16° 2 | 12° 9 | 4°11 | 21°27 | 29° 6 | 25°31 | 22°19 | 15°24 | 3°22 | 4°40 | 11°30 | 5°59 | S 9 |
| S 10 | 9 52 48 | 29°49'57 | 5♍50 | 17°25 | 13° 9 | 4°59 | 21°42 | 29°11 | 25°29 | 22°20 | 15°25 | 3°13 | 4°37 | 11°37 | 6° 3 | S 10 |
| M11 | 9 56 45 | 0♓50'09 | 20°17 | 18°42 | 14°11 | 5°46 | 21°56 | 29°16 | 25°26 | 22°22 | 15°25 | 3° 4 | 4°33 | 11°44 | 6° 7 | M11 |
| T 12 | 10 0 41 | 1°50'20 | 4♎20 | 19°53 | 15°12 | 6°33 | 22°10 | 29°22 | 25°24 | 22°23 | 15°25 | 2°59 | 4°30 | 11°51 | 6°10 | T 12 |
| W13 | 10 4 38 | 2°50'29 | 17°55 | 20°57 | 16°14 | 7°20 | 22°25 | 29°27 | 25°22 | 22°25 | 15°26 | 2°55 | 4°27 | 11°57 | 6°14 | W13 |
| T 14 | 10 8 35 | 3°50'37 | 1♏ 4 | 21°54 | 17°16 | 8° 7 | 22°39 | 29°33 | 25°19 | 22°27 | 15°26 | 2°D54 | 4°24 | 12° 4 | 6°18 | T 14 |
| F 15 | 10 12 31 | 4°50'43 | 13°47 | 22°43 | 18°19 | 8°54 | 22°53 | 29°38 | 25°17 | 22°28 | 15°27 | 2°55 | 4°21 | 12°11 | 6°22 | F 15 |
| S 16 | 10 16 28 | 5°50'48 | 26°10 | 23°23 | 19°21 | 9°41 | 23° 7 | 29°44 | 25°15 | 22°30 | 15°28 | 2°56 | 4°18 | 12°17 | 6°26 | S 16 |
| S 17 | 10 20 24 | 6°50'51 | 8♐17 | 23°55 | 20°24 | 10°28 | 23°22 | 29°49 | 25°12 | 22°32 | 15°28 | 2°R56 | 4°14 | 12°24 | 6°29 | S 17 |
| M18 | 10 24 21 | 7°50'52 | 20°14 | 24°19 | 21°28 | 11°15 | 23°36 | 29°55 | 25°10 | 22°33 | 15°29 | 2°55 | 4°11 | 12°31 | 6°33 | M18 |
| T 19 | 10 28 17 | 8°50'52 | 2♑ 5 | 24°33 | 22°31 | 12° 2 | 23°50 | 0♉ 1 | 25° 7 | 22°35 | 15°29 | 2°52 | 4° 8 | 12°38 | 6°37 | T 19 |
| W20 | 10 32 14 | 9°50'50 | 13°55 | 24°R38 | 23°35 | 12°49 | 24° 4 | 0° 7 | 25° 5 | 22°37 | 15°30 | 2°47 | 4° 5 | 12°44 | 6°41 | W20 |
| T 21 | 10 36 10 | 10°50'46 | 25°49 | 24°34 | 24°39 | 13°36 | 24°18 | 0°13 | 25° 2 | 22°39 | 15°31 | 2°39 | 4° 2 | 12°51 | 6°45 | T 21 |
| F 22 | 10 40 7 | 11°50'40 | 7♒50 | 24°21 | 25°44 | 14°23 | 24°32 | 0°19 | 25° 0 | 22°40 | 15°31 | 2°30 | 3°58 | 12°58 | 6°49 | F 22 |
| S 23 | 10 44 4 | 12°50'33 | 20° 0 | 24° 1 | 26°48 | 15°10 | 24°46 | 0°25 | 24°57 | 22°42 | 15°32 | 2°21 | 3°55 | 13° 4 | 6°52 | S 23 |
| S 24 | 10 48 0 | 13°50'23 | 2♓21 | 23°32 | 27°53 | 15°57 | 25° 1 | 0°31 | 24°55 | 22°44 | 15°33 | 2°11 | 3°52 | 13°11 | 6°56 | S 24 |
| M25 | 10 51 57 | 14°50'12 | 14°53 | 22°57 | 28°58 | 16°44 | 25°15 | 0°37 | 24°52 | 22°46 | 15°33 | 2° 3 | 3°49 | 13°18 | 7° 0 | M25 |
| T 26 | 10 55 53 | 15°49'58 | 27°38 | 22°16 | 0♒ 3 | 17°30 | 25°29 | 0°43 | 24°50 | 22°48 | 15°34 | 1°56 | 3°46 | 13°25 | 7° 4 | T 26 |
| W27 | 10 59 50 | 16°49'43 | 10♈34 | 21°29 | 1° 9 | 18°17 | 25°42 | 0°49 | 24°47 | 22°50 | 15°35 | 1°52 | 3°43 | 13°31 | 7° 8 | W27 |
| T 28 | 11 3 46 | 17♓49'25 | 23♈42 | 20♓39 | 2♒14 | 19♓ 4 | 25♒56 | 0♉56 | 24♍45 | 22♈51 | 15♉36 | 1♏50 | 3♏39 | 13♉38 | 7♓11 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s37 | 10n57 | 0n38 | 11s25 | 0s57 | 19s44 | 3n43 | 13s13 | 1s 2 | 15s46 | 0s47 | 8n47 | 2s20 | 2n24 | 0n47 | 7n 0 | 1s46 | 2n50 | 14s15 | 12s53 | 13s16 | 18s25 | 4s58 | 4n54 |
| S 2 | 14 17 | 14 22 | 0s32 | 10 37 | 0 48 | 19 47 | 3 38 | 12 56 | 1 2 | 15 41 | 0 48 | 8 49 | 2 20 | 2 25 | 0 47 | 7 1 | 1 46 | 2 50 | 14 15 | 12 53 | 13 15 | 18 24 | 4 57 | 4 54 |
| S 3 | 13 58 | 17 5 | 1 42 | 9 48 | 0 38 | 19 50 | 3 33 | 12 39 | 1 1 | 15 37 | 0 48 | 8 51 | 2 19 | 2 25 | 0 47 | 7 1 | 1 46 | 2 51 | 14 15 | 12 53 | 13 13 | 18 23 | 4 56 | 4 54 |
| M 4 | 13 38 | 18 52 | 2 48 | 8 59 | 0 27 | 19 52 | 3 28 | 12 22 | 1 1 | 15 32 | 0 48 | 8 53 | 2 19 | 2 26 | 0 47 | 7 2 | 1 46 | 2 51 | 14 14 | 12 53 | 13 12 | 18 23 | 4 55 | 4 54 |
| T 5 | 13 18 | 19 31 | 3 45 | 8 10 | 0 15 | 19 53 | 3 23 | 12 5 | 1 1 | 15 28 | 0 48 | 8 55 | 2 19 | 2 27 | 0 47 | 7 3 | 1 46 | 2 52 | 14 14 | 12 52 | 13 11 | 18 22 | 4 53 | 4 54 |
| W 6 | 12 57 | 18 53 | 4 29 | 7 21 | 0 3 | 19 55 | 3 18 | 11 48 | 1 1 | 15 23 | 0 48 | 8 57 | 2 19 | 2 28 | 0 47 | 7 3 | 1 46 | 2 52 | 14 14 | 12 50 | 13 10 | 18 21 | 4 52 | 4 54 |
| T 7 | 12 37 | 16 58 | 4 56 | 6 32 | 0n10 | 19 56 | 3 13 | 11 31 | 1 0 | 15 18 | 0 48 | 8 59 | 2 18 | 2 29 | 0 47 | 7 4 | 1 46 | 2 52 | 14 13 | 12 48 | 13 9 | 18 20 | 4 51 | 4 53 |
| F 8 | 12 16 | 13 55 | 5 2 | 5 44 | 0 23 | 19 56 | 3 8 | 11 13 | 1 0 | 15 14 | 0 48 | 9 1 | 2 18 | 2 30 | 0 47 | 7 4 | 1 46 | 2 53 | 14 13 | 12 44 | 13 8 | 18 19 | 4 49 | 4 53 |
| S 9 | 11 55 | 9 58 | 4 49 | 4 58 | 0 37 | 19 56 | 3 2 | 10 56 | 1 0 | 15 9 | 0 48 | 9 3 | 2 18 | 2 31 | 0 47 | 7 5 | 1 46 | 2 53 | 14 13 | 12 41 | 13 7 | 18 18 | 4 48 | 4 53 |
| S 10 | 11 34 | 5 26 | 4 16 | 4 13 | 0 51 | 19 55 | 2 57 | 10 38 | 0 59 | 15 5 | 0 48 | 9 5 | 2 18 | 2 32 | 0 47 | 7 5 | 1 45 | 2 54 | 14 12 | 12 37 | 13 6 | 18 17 | 4 47 | 4 53 |
| M11 | 11 13 | 0 42 | 3 27 | 3 29 | 1 5 | 19 54 | 2 52 | 10 21 | 0 59 | 15 0 | 0 48 | 9 7 | 2 17 | 2 32 | 0 47 | 7 6 | 1 45 | 2 54 | 14 12 | 12 35 | 13 5 | 18 16 | 4 45 | 4 53 |
| T 12 | 10 51 | 3s58 | 2 26 | 2 48 | 1 19 | 19 53 | 2 47 | 10 3 | 0 59 | 14 56 | 0 48 | 9 9 | 2 17 | 2 33 | 0 47 | 7 7 | 1 45 | 2 54 | 14 12 | 12 33 | 13 4 | 18 15 | 4 44 | 4 53 |
| W13 | 10 30 | 8 16 | 1 19 | 2 9 | 1 34 | 19 51 | 2 42 | 9 45 | 0 59 | 14 51 | 0 48 | 9 11 | 2 17 | 2 34 | 0 47 | 7 7 | 1 45 | 2 55 | 14 11 | 12 32 | 13 3 | 18 14 | 4 43 | 4 53 |
| T 14 | 10 8 | 12 2 | 0 10 | 1 34 | 1 49 | 19 49 | 2 36 | 9 27 | 0 58 | 14 47 | 0 49 | 9 13 | 2 17 | 2 35 | 0 47 | 7 8 | 1 45 | 2 55 | 14 11 | 12 31 | 13 2 | 18 14 | 4 41 | 4 53 |
| F 15 | 9 46 | 15 6 | 0n58 | 1 1 | 2 3 | 19 46 | 2 31 | 9 9 | 0 58 | 14 42 | 0 49 | 9 15 | 2 16 | 2 36 | 0 47 | 7 9 | 1 45 | 2 56 | 14 11 | 12 31 | 13 1 | 18 13 | 4 40 | 4 53 |
| S 16 | 9 24 | 17 24 | 2 1 | 0 32 | 2 17 | 19 43 | 2 26 | 8 51 | 0 58 | 14 37 | 0 49 | 9 17 | 2 16 | 2 37 | 0 47 | 7 9 | 1 45 | 2 56 | 14 10 | 12 32 | 13 0 | 18 12 | 4 39 | 4 53 |
| S 17 | 9 2 | 18 50 | 2 58 | 0 8 | 2 30 | 19 39 | 2 21 | 8 33 | 0 57 | 14 33 | 0 49 | 9 19 | 2 16 | 2 38 | 0 47 | 7 10 | 1 45 | 2 57 | 14 10 | 12 32 | 12 58 | 18 11 | 4 37 | 4 53 |
| M18 | 8 39 | 19 24 | 3 46 | 0n13 | 2 43 | 19 34 | 2 15 | 8 15 | 0 57 | 14 28 | 0 49 | 9 22 | 2 16 | 2 39 | 0 47 | 7 11 | 1 45 | 2 57 | 14 10 | 12 31 | 12 57 | 18 10 | 4 36 | 4 53 |
| T 19 | 8 17 | 19 7 | 4 23 | 0 30 | 2 55 | 19 29 | 2 10 | 7 56 | 0 56 | 14 23 | 0 49 | 9 24 | 2 16 | 2 40 | 0 47 | 7 11 | 1 45 | 2 58 | 14 10 | 12 30 | 12 56 | 18 9 | 4 35 | 4 53 |
| W20 | 7 54 | 17 59 | 4 50 | 0 42 | 3 5 | 19 24 | 2 5 | 7 38 | 0 56 | 14 19 | 0 49 | 9 26 | 2 15 | 2 41 | 0 47 | 7 12 | 1 45 | 2 58 | 14 9 | 12 29 | 12 55 | 18 8 | 4 33 | 4 53 |
| T 21 | 7 31 | 16 4 | 5 4 | 0 49 | 3 15 | 19 18 | 2 0 | 7 20 | 0 56 | 14 14 | 0 49 | 9 28 | 2 15 | 2 42 | 0 47 | 7 13 | 1 45 | 2 58 | 14 9 | 12 26 | 12 54 | 18 7 | 4 32 | 4 53 |
| F 22 | 7 9 | 13 28 | 5 5 | 0 51 | 3 23 | 19 12 | 1 54 | 7 1 | 0 55 | 14 10 | 0 49 | 9 31 | 2 15 | 2 43 | 0 47 | 7 13 | 1 45 | 2 59 | 14 9 | 12 23 | 12 53 | 18 6 | 4 31 | 4 52 |
| S 23 | 6 46 | 10 15 | 4 52 | 0 49 | 3 30 | 19 5 | 1 49 | 6 43 | 0 55 | 14 5 | 0 50 | 9 33 | 2 15 | 2 44 | 0 47 | 7 14 | 1 45 | 2 59 | 14 8 | 12 20 | 12 52 | 18 5 | 4 29 | 4 52 |
| S 24 | 6 23 | 6 33 | 4 25 | 0 42 | 3 35 | 18 57 | 1 44 | 6 24 | 0 55 | 14 0 | 0 50 | 9 35 | 2 15 | 2 45 | 0 47 | 7 15 | 1 45 | 3 0 | 14 8 | 12 16 | 12 51 | 18 4 | 4 28 | 4 52 |
| M25 | 5 59 | 2 30 | 3 46 | 0 31 | 3 38 | 18 49 | 1 39 | 6 5 | 0 54 | 13 56 | 0 50 | 9 38 | 2 14 | 2 46 | 0 47 | 7 16 | 1 45 | 3 0 | 14 8 | 12 13 | 12 50 | 18 3 | 4 27 | 4 52 |
| T 26 | 5 36 | 1n43 | 2 54 | 0 16 | 3 39 | 18 41 | 1 34 | 5 47 | 0 54 | 13 51 | 0 50 | 9 40 | 2 14 | 2 47 | 0 47 | 7 16 | 1 45 | 3 1 | 14 7 | 12 11 | 12 49 | 18 2 | 4 25 | 4 52 |
| W27 | 5 13 | 5 55 | 1 52 | 0s 3 | 3 38 | 18 32 | 1 28 | 5 28 | 0 53 | 13 47 | 0 50 | 9 42 | 2 14 | 2 48 | 0 47 | 7 17 | 1 45 | 3 1 | 14 7 | 12 10 | 12 48 | 18 1 | 4 24 | 4 52 |
| T 28 | 4s50 | 9n54 | 0n44 | 0s25 | 3n35 | 18s22 | 1n23 | 5s 9 | 0s53 | 13s42 | 0s50 | 9n45 | 2s14 | 2n49 | 0n47 | 7n18 | 1s45 | 3n 2 | 14s 7 | 12s 9 | 12s47 | 18s 0 | 4s22 | 4n52 |

Julian Day Number = 2225499.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'25, Lahiri = 15°13'26 Julian Calendar 1 Feb. 1381 == Greg. Calendar 9 Feb. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## MARCH 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 7 43 | 18♓49'06 | 7♉ 1 | 19°R45 | 3♒20 | 19♓51 | 26♒10 | 1♉ 2 | 24°R42 | 22♈53 | 15♉36 | 1°D50 | 3♏36 | 13♑45 | 7♓15 | F 1 |
| S 2 | 11 11 39 | 19°48'44 | 20°33 | 18♓50 | 4°26 | 20°37 | 26°24 | 1° 9 | 24♍40 | 22°55 | 15°37 | 1♏51 | 3°33 | 13°51 | 7°19 | S 2 |
| S 3 | 11 15 36 | 20°48'19 | 4♊16 | 17°55 | 5°32 | 21°24 | 26°38 | 1°15 | 24°37 | 22°57 | 15°38 | 1°52 | 3°30 | 13°58 | 7°23 | S 3 |
| M 4 | 11 19 33 | 21°47'53 | 18°11 | 17° 1 | 6°39 | 22°11 | 26°52 | 1°22 | 24°34 | 22°59 | 15°39 | 1°R53 | 3°27 | 14° 5 | 7°26 | M 4 |
| T 5 | 11 23 29 | 22°47'24 | 2♋19 | 16° 8 | 7°45 | 22°57 | 27° 5 | 1°28 | 24°32 | 23° 1 | 15°40 | 1°52 | 3°24 | 14°12 | 7°30 | T 5 |
| W 6 | 11 27 26 | 23°46'52 | 16°37 | 15°18 | 8°52 | 23°44 | 27°19 | 1°35 | 24°29 | 23° 3 | 15°41 | 1°50 | 3°20 | 14°18 | 7°34 | W 6 |
| T 7 | 11 31 22 | 24°46'19 | 1♌ 3 | 14°32 | 9°59 | 24°30 | 27°33 | 1°42 | 24°27 | 23° 5 | 15°42 | 1°47 | 3°17 | 14°25 | 7°37 | T 7 |
| F 8 | 11 35 19 | 25°45'43 | 15°33 | 13°50 | 11° 6 | 25°16 | 27°46 | 1°48 | 24°24 | 23° 7 | 15°43 | 1°42 | 3°14 | 14°32 | 7°41 | F 8 |
| S 9 | 11 39 15 | 26°45'04 | 0♍ 1 | 13°13 | 12°13 | 26° 3 | 28° 0 | 1°55 | 24°21 | 23° 9 | 15°43 | 1°37 | 3°11 | 14°38 | 7°45 | S 9 |
| S 10 | 11 43 12 | 27°44'24 | 14°21 | 12°41 | 13°20 | 26°49 | 28°13 | 2° 2 | 24°19 | 23°12 | 15°44 | 1°31 | 3° 8 | 14°45 | 7°48 | S 10 |
| M11 | 11 47 8 | 28°43'41 | 28°28 | 12°14 | 14°27 | 27°36 | 28°27 | 2° 9 | 24°16 | 23°14 | 15°45 | 1°27 | 3° 4 | 14°52 | 7°52 | M11 |
| T 12 | 11 51 5 | 29°42'56 | 12♎16 | 11°54 | 15°35 | 28°22 | 28°40 | 2°16 | 24°13 | 23°16 | 15°46 | 1°24 | 3° 1 | 14°59 | 7°56 | T 12 |
| W13 | 11 55 1 | 0♈42'09 | 25°44 | 11°39 | 16°42 | 29° 8 | 28°53 | 2°23 | 24°11 | 23°18 | 15°47 | 1°D23 | 2°58 | 15° 5 | 7°59 | W13 |
| T 14 | 11 58 58 | 1°41'20 | 8♏49 | 11°30 | 17°50 | 29°54 | 29° 7 | 2°30 | 24° 8 | 23°20 | 15°48 | 1°23 | 2°55 | 15°12 | 8° 3 | T 14 |
| F 15 | 12 2 55 | 2°40'29 | 21°34 | 11°D27 | 18°58 | 0♈40 | 29°20 | 2°37 | 24° 6 | 23°22 | 15°49 | 1°24 | 2°52 | 15°19 | 8° 6 | F 15 |
| S 16 | 12 6 51 | 3°39'37 | 3♐59 | 11°29 | 20° 6 | 1°27 | 29°33 | 2°44 | 24° 3 | 23°24 | 15°50 | 1°26 | 2°49 | 15°25 | 8°10 | S 16 |
| S 17 | 12 10 48 | 4°38'42 | 16°10 | 11°37 | 21°14 | 2°13 | 29°46 | 2°51 | 24° 1 | 23°26 | 15°51 | 1°27 | 2°45 | 15°32 | 8°13 | S 17 |
| M18 | 12 14 44 | 5°37'46 | 28° 9 | 11°50 | 22°23 | 2°59 | 29°59 | 2°58 | 23°58 | 23°29 | 15°53 | 1°28 | 2°42 | 15°39 | 8°17 | M18 |
| T 19 | 12 18 41 | 6°36'48 | 10♑ 3 | 12° 8 | 23°31 | 3°45 | 0♓12 | 3° 6 | 23°56 | 23°31 | 15°54 | 1°R29 | 2°39 | 15°46 | 8°20 | T 19 |
| W20 | 12 22 37 | 7°35'49 | 21°55 | 12°30 | 24°40 | 4°31 | 0°25 | 3°13 | 23°53 | 23°33 | 15°55 | 1°28 | 2°36 | 15°52 | 8°24 | W20 |
| T 21 | 12 26 34 | 8°34'47 | 3♒51 | 12°58 | 25°48 | 5°17 | 0°38 | 3°20 | 23°51 | 23°35 | 15°56 | 1°26 | 2°33 | 15°59 | 8°27 | T 21 |
| F 22 | 12 30 30 | 9°33'44 | 15°55 | 13°29 | 26°57 | 6° 3 | 0°51 | 3°28 | 23°48 | 23°37 | 15°57 | 1°23 | 2°29 | 16° 6 | 8°31 | F 22 |
| S 23 | 12 34 27 | 10°32'38 | 28°10 | 14° 5 | 28° 6 | 6°48 | 1° 3 | 3°35 | 23°46 | 23°40 | 15°58 | 1°20 | 2°26 | 16°12 | 8°34 | S 23 |
| S 24 | 12 38 24 | 11°31'31 | 10♓39 | 14°45 | 29°15 | 7°34 | 1°16 | 3°42 | 23°43 | 23°42 | 15°59 | 1°17 | 2°23 | 16°19 | 8°37 | S 24 |
| M25 | 12 42 20 | 12°30'22 | 23°23 | 15°29 | 0♓24 | 8°20 | 1°29 | 3°50 | 23°41 | 23°44 | 16° 0 | 1°14 | 2°20 | 16°26 | 8°41 | M25 |
| T 26 | 12 46 17 | 13°29'11 | 6♈25 | 16°16 | 1°33 | 9° 6 | 1°41 | 3°57 | 23°38 | 23°46 | 16° 1 | 1°12 | 2°17 | 16°33 | 8°44 | T 26 |
| W27 | 12 50 13 | 14°27'58 | 19°42 | 17° 6 | 2°42 | 9°51 | 1°54 | 4° 5 | 23°36 | 23°48 | 16° 3 | 1°10 | 2°14 | 16°39 | 8°47 | W27 |
| T 28 | 12 54 10 | 15°26'43 | 3♉14 | 18° 0 | 3°51 | 10°37 | 2° 6 | 4°12 | 23°34 | 23°51 | 16° 4 | 1°D10 | 2°10 | 16°46 | 8°51 | T 28 |
| F 29 | 12 58 6 | 16°25'26 | 16°59 | 18°56 | 5° 0 | 11°22 | 2°18 | 4°20 | 23°31 | 23°53 | 16° 5 | 1°11 | 2° 7 | 16°53 | 8°54 | F 29 |
| S 30 | 13 2 3 | 17°24'07 | 0♊55 | 19°56 | 6°10 | 12° 8 | 2°31 | 4°27 | 23°29 | 23°55 | 16° 6 | 1°12 | 2° 4 | 17° 0 | 8°57 | S 30 |
| S 31 | 13 5 59 | 18♈22'46 | 14♊59 | 20♓58 | 7♓19 | 12♈53 | 2♓43 | 4♉35 | 23♍27 | 23♈57 | 16♉ 7 | 1♏13 | 2♏ 1 | 17♑ 6 | 9♓ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s26 | 13n28 | 0s28 | 0s50 | 3n31 | 18s12 | 1n18 | 4s50 | 0s53 | 13s37 | 0s50 | 9n47 | 2s14 | 2n50 | 0n48 | 7n19 | 1s45 | 3n 2 | 14s 7 | 12s 9 | 12s46 | 17s59 | 4s21 | 4n52 |
| S 2 | 4 3 | 16 20 | 1 40 | 1 18 | 3 24 | 18 2 | 1 13 | 4 32 | 0 52 | 13 33 | 0 50 | 9 49 | 2 13 | 2 51 | 0 48 | 7 19 | 1 45 | 3 3 | 14 6 | 12 9 | 12 44 | 17 58 | 4 20 | 4 52 |
| S 3 | 3 39 | 18 20 | 2 47 | 1 47 | 3 16 | 17 51 | 1 8 | 4 13 | 0 52 | 13 28 | 0 50 | 9 52 | 2 13 | 2 52 | 0 48 | 7 20 | 1 45 | 3 3 | 14 6 | 12 10 | 12 43 | 17 57 | 4 18 | 4 52 |
| M 4 | 3 16 | 19 15 | 3 45 | 2 17 | 3 6 | 17 39 | 1 3 | 3 54 | 0 51 | 13 24 | 0 51 | 9 54 | 2 13 | 2 53 | 0 48 | 7 21 | 1 45 | 3 4 | 14 6 | 12 10 | 12 42 | 17 56 | 4 17 | 4 52 |
| T 5 | 2 52 | 18 59 | 4 30 | 2 48 | 2 55 | 17 27 | 0 58 | 3 35 | 0 51 | 13 19 | 0 51 | 9 57 | 2 13 | 2 54 | 0 48 | 7 22 | 1 45 | 3 4 | 14 6 | 12 10 | 12 41 | 17 55 | 4 15 | 4 52 |
| W 6 | 2 29 | 17 31 | 5 0 | 3 19 | 2 43 | 17 15 | 0 53 | 3 16 | 0 51 | 13 14 | 0 51 | 9 59 | 2 13 | 2 55 | 0 48 | 7 22 | 1 45 | 3 5 | 14 5 | 12 9 | 12 40 | 17 54 | 4 14 | 4 52 |
| T 7 | 2 5 | 14 56 | 5 11 | 3 49 | 2 29 | 17 2 | 0 48 | 2 57 | 0 50 | 13 10 | 0 51 | 10 2 | 2 13 | 2 56 | 0 48 | 7 23 | 1 45 | 3 5 | 14 5 | 12 8 | 12 39 | 17 54 | 4 13 | 4 52 |
| F 8 | 1 41 | 11 25 | 5 2 | 4 18 | 2 15 | 16 48 | 0 44 | 2 39 | 0 50 | 13 5 | 0 51 | 10 4 | 2 12 | 2 58 | 0 48 | 7 24 | 1 45 | 3 6 | 14 5 | 12 6 | 12 38 | 17 53 | 4 11 | 4 52 |
| S 9 | 1 18 | 7 14 | 4 34 | 4 46 | 2 0 | 16 34 | 0 39 | 2 20 | 0 49 | 13 1 | 0 51 | 10 7 | 2 12 | 2 59 | 0 48 | 7 25 | 1 45 | 3 6 | 14 5 | 12 4 | 12 37 | 17 52 | 4 10 | 4 53 |
| S 10 | 0 54 | 2 40 | 3 49 | 5 13 | 1 45 | 16 20 | 0 34 | 2 1 | 0 49 | 12 56 | 0 51 | 10 9 | 2 12 | 3 0 | 0 47 | 7 25 | 1 44 | 3 7 | 14 4 | 12 3 | 12 36 | 17 51 | 4 9 | 4 53 |
| M11 | 0 30 | 1s59 | 2 50 | 5 37 | 1 29 | 16 5 | 0 29 | 1 42 | 0 48 | 12 51 | 0 51 | 10 12 | 2 12 | 3 1 | 0 47 | 7 26 | 1 44 | 3 7 | 14 4 | 12 1 | 12 35 | 17 50 | 4 7 | 4 53 |
| T 12 | 0 7 | 6 26 | 1 43 | 5 59 | 1 14 | 15 49 | 0 25 | 1 23 | 0 48 | 12 47 | 0 52 | 10 14 | 2 12 | 3 2 | 0 47 | 7 27 | 1 44 | 3 8 | 14 4 | 12 0 | 12 34 | 17 49 | 4 6 | 4 53 |
| W13 | 0n17 | 10 27 | 0 31 | 6 19 | 0 58 | 15 33 | 0 20 | 1 4 | 0 47 | 12 42 | 0 52 | 10 17 | 2 12 | 3 3 | 0 47 | 7 28 | 1 44 | 3 8 | 14 4 | 12 0 | 12 32 | 17 48 | 4 4 | 4 53 |
| T 14 | 0 40 | 13 51 | 0n41 | 6 37 | 0 43 | 15 17 | 0 16 | 0 45 | 0 47 | 12 38 | 0 52 | 10 19 | 2 12 | 3 4 | 0 47 | 7 29 | 1 44 | 3 9 | 14 3 | 12 0 | 12 31 | 17 47 | 4 3 | 4 53 |
| F 15 | 1 4 | 16 28 | 1 48 | 6 52 | 0 28 | 15 0 | 0 11 | 0 26 | 0 46 | 12 33 | 0 52 | 10 22 | 2 11 | 3 5 | 0 47 | 7 29 | 1 44 | 3 9 | 14 3 | 12 0 | 12 30 | 17 46 | 4 2 | 4 53 |
| S 16 | 1 28 | 18 15 | 2 49 | 7 4 | 0 14 | 14 43 | 0 7 | 0 8 | 0 46 | 12 29 | 0 52 | 10 24 | 2 11 | 3 6 | 0 47 | 7 30 | 1 44 | 3 10 | 14 3 | 12 1 | 12 29 | 17 45 | 4 0 | 4 53 |
| S 17 | 1 51 | 19 8 | 3 41 | 7 15 | 0s 1 | 14 25 | 0 3 | 0n11 | 0 45 | 12 24 | 0 52 | 10 27 | 2 11 | 3 7 | 0 47 | 7 31 | 1 44 | 3 10 | 14 3 | 12 1 | 12 28 | 17 44 | 3 59 | 4 53 |
| M18 | 2 15 | 19 7 | 4 23 | 7 22 | 0 14 | 14 7 | 0s 1 | 0 30 | 0 45 | 12 20 | 0 52 | 10 30 | 2 11 | 3 8 | 0 47 | 7 32 | 1 44 | 3 11 | 14 2 | 12 2 | 12 27 | 17 43 | 3 58 | 4 53 |
| T 19 | 2 38 | 18 16 | 4 53 | 7 28 | 0 28 | 13 49 | 0 6 | 0 49 | 0 44 | 12 15 | 0 53 | 10 32 | 2 11 | 3 9 | 0 47 | 7 33 | 1 44 | 3 11 | 14 2 | 12 2 | 12 26 | 17 42 | 3 56 | 4 53 |
| W20 | 3 1 | 16 37 | 5 10 | 7 31 | 0 40 | 13 30 | 0 10 | 1 8 | 0 44 | 12 11 | 0 53 | 10 35 | 2 11 | 3 10 | 0 47 | 7 34 | 1 44 | 3 12 | 14 2 | 12 1 | 12 25 | 17 40 | 3 55 | 4 53 |
| T 21 | 3 25 | 14 16 | 5 14 | 7 31 | 0 52 | 13 11 | 0 14 | 1 26 | 0 43 | 12 7 | 0 53 | 10 37 | 2 11 | 3 11 | 0 47 | 7 34 | 1 44 | 3 12 | 14 2 | 12 1 | 12 24 | 17 39 | 3 54 | 4 53 |
| F 22 | 3 48 | 11 16 | 5 4 | 7 29 | 1 4 | 12 51 | 0 18 | 1 45 | 0 43 | 12 2 | 0 53 | 10 40 | 2 10 | 3 12 | 0 47 | 7 35 | 1 44 | 3 13 | 14 2 | 12 0 | 12 23 | 17 38 | 3 52 | 4 53 |
| S 23 | 4 11 | 7 45 | 4 41 | 7 26 | 1 15 | 12 31 | 0 22 | 2 4 | 0 42 | 11 58 | 0 53 | 10 42 | 2 10 | 3 13 | 0 47 | 7 36 | 1 44 | 3 13 | 14 1 | 11 59 | 12 22 | 17 37 | 3 51 | 4 53 |
| S 24 | 4 34 | 3 51 | 4 4 | 7 20 | 1 25 | 12 10 | 0 26 | 2 22 | 0 42 | 11 53 | 0 53 | 10 45 | 2 10 | 3 14 | 0 47 | 7 37 | 1 44 | 3 14 | 14 1 | 11 57 | 12 20 | 17 36 | 3 50 | 4 53 |
| M25 | 4 57 | 0n20 | 3 14 | 7 12 | 1 34 | 11 50 | 0 29 | 2 41 | 0 41 | 11 49 | 0 54 | 10 48 | 2 10 | 3 15 | 0 47 | 7 38 | 1 44 | 3 14 | 14 1 | 11 56 | 12 19 | 17 35 | 3 48 | 4 54 |
| T 26 | 5 20 | 4 35 | 2 12 | 7 1 | 1 43 | 11 28 | 0 33 | 2 59 | 0 41 | 11 45 | 0 54 | 10 50 | 2 10 | 3 15 | 0 47 | 7 38 | 1 44 | 3 15 | 14 1 | 11 56 | 12 18 | 17 34 | 3 47 | 4 54 |
| W27 | 5 43 | 8 42 | 1 3 | 6 49 | 1 52 | 11 7 | 0 37 | 3 18 | 0 40 | 11 40 | 0 54 | 10 53 | 2 10 | 3 16 | 0 47 | 7 39 | 1 44 | 3 15 | 14 1 | 11 55 | 12 17 | 17 33 | 3 46 | 4 54 |
| T 28 | 6 6 | 12 27 | 0s11 | 6 36 | 1 59 | 10 45 | 0 40 | 3 36 | 0 40 | 11 36 | 0 54 | 10 55 | 2 10 | 3 17 | 0 47 | 7 40 | 1 44 | 3 15 | 14 1 | 11 55 | 12 16 | 17 32 | 3 44 | 4 54 |
| F 29 | 6 29 | 15 35 | 1 26 | 6 20 | 2 7 | 10 23 | 0 44 | 3 55 | 0 39 | 11 32 | 0 54 | 10 58 | 2 10 | 3 18 | 0 47 | 7 41 | 1 44 | 3 16 | 14 0 | 11 55 | 12 15 | 17 31 | 3 43 | 4 54 |
| S 30 | 6 51 | 17 51 | 2 37 | 6 2 | 2 13 | 10 0 | 0 47 | 4 13 | 0 39 | 11 28 | 0 54 | 11 1 | 2 10 | 3 19 | 0 47 | 7 42 | 1 44 | 3 16 | 14 0 | 11 56 | 12 14 | 17 30 | 3 42 | 4 54 |
| S 31 | 7n14 | 19n 2 | 3s39 | 5s43 | 2s19 | 9s38 | 0s50 | 4n31 | 0s38 | 11s23 | 0s55 | 11n 3 | 2s10 | 3n20 | 0n47 | 7n43 | 1s44 | 3n17 | 14s 0 | 11s56 | 12s13 | 17s29 | 3s40 | 4n54 |

Julian Day Number = 2225527.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'29, Lahiri = 15°13'30 Julian Calendar 1 March 1381 == Greg. Calendar 9 March 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## APRIL 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 9 56 | 19♈21'22 | 29♊ 9 | 22♓ 3 | 8♓29 | 13♈39 | 2♓55 | 4♉42 | 23°R24 | 24♈ 0 | 16♉ 9 | 1♏14 | 1♏58 | 17♑13 | 9♓ 3 | M 1 |
| T 2 | 13 13 53 | 20°19'56 | 13♋21 | 23°11 | 9°38 | 14°24 | 3° 7 | 4°50 | 23♍22 | 24° 2 | 16°10 | 1°14 | 1°55 | 17°20 | 9° 6 | T 2 |
| W 3 | 13 17 49 | 21°18'28 | 27°34 | 24°21 | 10°48 | 15°10 | 3°19 | 4°58 | 23°20 | 24° 4 | 16°11 | 1°R14 | 1°51 | 17°26 | 9° 9 | W 3 |
| T 4 | 13 21 46 | 22°16'58 | 11♌46 | 25°33 | 11°58 | 15°55 | 3°31 | 5° 5 | 23°18 | 24° 7 | 16°12 | 1°14 | 1°48 | 17°33 | 9°12 | T 4 |
| F 5 | 13 25 42 | 23°15'25 | 25°53 | 26°48 | 13° 8 | 16°40 | 3°42 | 5°13 | 23°16 | 24° 9 | 16°14 | 1°13 | 1°45 | 17°40 | 9°15 | F 5 |
| S 6 | 13 29 39 | 24°13'51 | 9♍54 | 28° 5 | 14°18 | 17°25 | 3°54 | 5°20 | 23°13 | 24°11 | 16°15 | 1°12 | 1°42 | 17°47 | 9°18 | S 6 |
| S 7 | 13 33 35 | 25°12'14 | 23°45 | 29°24 | 15°28 | 18°10 | 4° 5 | 5°28 | 23°11 | 24°13 | 16°16 | 1°11 | 1°39 | 17°53 | 9°21 | S 7 |
| M 8 | 13 37 32 | 26°10'35 | 7♎24 | 0♈45 | 16°38 | 18°56 | 4°17 | 5°36 | 23° 9 | 24°16 | 16°17 | 1°11 | 1°35 | 18° 0 | 9°24 | M 8 |
| T 9 | 13 41 28 | 27° 8'54 | 20°49 | 2° 8 | 17°48 | 19°41 | 4°28 | 5°44 | 23° 7 | 24°18 | 16°19 | 1°10 | 1°32 | 18° 7 | 9°27 | T 9 |
| W10 | 13 45 25 | 28° 7'11 | 3♏58 | 3°33 | 18°58 | 20°26 | 4°40 | 5°51 | 23° 5 | 24°20 | 16°20 | 1°D10 | 1°29 | 18°13 | 9°30 | W10 |
| T 11 | 13 49 21 | 29° 5'26 | 16°51 | 5° 0 | 20° 8 | 21°10 | 4°51 | 5°59 | 23° 3 | 24°22 | 16°21 | 1°11 | 1°26 | 18°20 | 9°33 | T 11 |
| F 12 | 13 53 18 | 0♉ 3'40 | 29°28 | 6°30 | 21°18 | 21°55 | 5° 2 | 6° 7 | 23° 1 | 24°25 | 16°23 | 1°11 | 1°23 | 18°27 | 9°35 | F 12 |
| S 13 | 13 57 15 | 1° 1'52 | 11♐51 | 8° 1 | 22°28 | 22°40 | 5°13 | 6°15 | 23° 0 | 24°27 | 16°24 | 1°R11 | 1°20 | 18°34 | 9°38 | S 13 |
| S 14 | 14 1 11 | 2° 0'03 | 24° 0 | 9°34 | 23°39 | 23°25 | 5°24 | 6°22 | 22°58 | 24°29 | 16°25 | 1°11 | 1°16 | 18°40 | 9°41 | S 14 |
| M15 | 14 5 8 | 2°58'12 | 6♑ 1 | 11° 9 | 24°49 | 24°10 | 5°35 | 6°30 | 22°56 | 24°31 | 16°27 | 1°11 | 1°13 | 18°47 | 9°43 | M15 |
| T 16 | 14 9 4 | 3°56'20 | 17°56 | 12°46 | 26° 0 | 24°54 | 5°45 | 6°38 | 22°54 | 24°34 | 16°28 | 1°10 | 1°10 | 18°54 | 9°46 | T 16 |
| W17 | 14 13 1 | 4°54'26 | 29°49 | 14°24 | 27°10 | 25°39 | 5°56 | 6°46 | 22°52 | 24°36 | 16°29 | 1°D10 | 1° 7 | 19° 0 | 9°48 | W17 |
| T 18 | 14 16 57 | 5°52'30 | 11♒45 | 16° 5 | 28°21 | 26°24 | 6° 7 | 6°53 | 22°51 | 24°38 | 16°31 | 1°10 | 1° 4 | 19° 7 | 9°51 | T 18 |
| F 19 | 14 20 54 | 6°50'33 | 23°49 | 17°48 | 29°31 | 27° 8 | 6°17 | 7° 1 | 22°49 | 24°40 | 16°32 | 1°10 | 1° 1 | 19°14 | 9°53 | F 19 |
| S 20 | 14 24 50 | 7°48'35 | 6♓ 5 | 19°32 | 0♈42 | 27°53 | 6°27 | 7° 9 | 22°47 | 24°42 | 16°33 | 1°11 | 0°57 | 19°21 | 9°56 | S 20 |
| S 21 | 14 28 47 | 8°46'35 | 18°36 | 21°19 | 1°53 | 28°37 | 6°37 | 7°17 | 22°46 | 24°45 | 16°35 | 1°12 | 0°54 | 19°27 | 9°58 | S 21 |
| M22 | 14 32 44 | 9°44'34 | 1♈27 | 23° 7 | 3° 4 | 29°21 | 6°48 | 7°24 | 22°44 | 24°47 | 16°36 | 1°12 | 0°51 | 19°34 | 10° 0 | M22 |
| T 23 | 14 36 40 | 10°42'31 | 14°39 | 24°57 | 4°14 | 0♉ 6 | 6°58 | 7°32 | 22°43 | 24°49 | 16°37 | 1°13 | 0°48 | 19°41 | 10° 3 | T 23 |
| W24 | 14 40 37 | 11°40'27 | 28°13 | 26°49 | 5°25 | 0°50 | 7° 7 | 7°40 | 22°41 | 24°51 | 16°39 | 1°R13 | 0°45 | 19°47 | 10° 5 | W24 |
| T 25 | 14 44 33 | 12°38'22 | 12♉ 7 | 28°43 | 6°36 | 1°34 | 7°17 | 7°48 | 22°40 | 24°53 | 16°40 | 1°13 | 0°41 | 19°54 | 10° 7 | T 25 |
| F 26 | 14 48 30 | 13°36'15 | 26°18 | 0♊39 | 7°47 | 2°18 | 7°27 | 7°55 | 22°39 | 24°56 | 16°41 | 1°13 | 0°38 | 20° 1 | 10° 9 | F 26 |
| S 27 | 14 52 26 | 14°34'07 | 10♊42 | 2°37 | 8°58 | 3° 3 | 7°36 | 8° 3 | 22°37 | 24°58 | 16°43 | 1°11 | 0°35 | 20° 8 | 10°11 | S 27 |
| S 28 | 14 56 23 | 15°31'57 | 25°13 | 4°36 | 10° 9 | 3°47 | 7°46 | 8°11 | 22°36 | 25° 0 | 16°44 | 1°10 | 0°32 | 20°14 | 10°13 | S 28 |
| M29 | 15 0 19 | 16°29'45 | 9♋45 | 6°38 | 11°20 | 4°31 | 7°55 | 8°19 | 22°35 | 25° 2 | 16°45 | 1° 8 | 0°29 | 20°21 | 10°15 | M29 |
| T 30 | 15 4 16 | 17♉27'31 | 24♋14 | 8♉41 | 12♈31 | 5♉15 | 8♓ 4 | 8♉26 | 22♍34 | 25♈ 4 | 16♉47 | 1♏ 6 | 0♏26 | 20♑28 | 10♓17 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n36 | 19n 2 | 4s28 | 5s22 | 2s24 | 9s14 | 0s53 | 4n50 | 0s38 | 11s19 | 0s55 | 11n 6 | 2s 9 | 3n21 | 0n47 | 7n43 | 1s44 | 3n17 | 14s 0 | 11s56 | 12s12 | 17s28 | 3s39 | 4n54 |
| T 2 | 7 58 | 17 51 | 5 1 | 5 0 | 2 29 | 8 51 | 0 57 | 5 8 | 0 37 | 11 15 | 0 55 | 11 9 | 2 9 | 3 22 | 0 47 | 7 44 | 1 44 | 3 18 | 14 0 | 11 56 | 12 11 | 17 27 | 3 38 | 4 54 |
| W 3 | 8 20 | 15 33 | 5 16 | 4 35 | 2 33 | 8 27 | 1 0 | 5 26 | 0 37 | 11 11 | 0 55 | 11 11 | 2 9 | 3 23 | 0 47 | 7 45 | 1 44 | 3 18 | 14 0 | 11 57 | 12 9 | 17 26 | 3 37 | 4 55 |
| T 4 | 8 42 | 12 20 | 5 11 | 4 10 | 2 36 | 8 4 | 1 3 | 5 44 | 0 36 | 11 7 | 0 55 | 11 14 | 2 9 | 3 23 | 0 47 | 7 46 | 1 44 | 3 19 | 13 59 | 11 56 | 12 8 | 17 25 | 3 35 | 4 55 |
| F 5 | 9 4 | 8 25 | 4 48 | 3 43 | 2 39 | 7 39 | 1 5 | 6 2 | 0 35 | 11 3 | 0 56 | 11 16 | 2 9 | 3 24 | 0 47 | 7 47 | 1 44 | 3 19 | 13 59 | 11 56 | 12 7 | 17 24 | 3 34 | 4 55 |
| S 6 | 9 26 | 4 4 | 4 7 | 3 14 | 2 41 | 7 15 | 1 8 | 6 19 | 0 35 | 10 59 | 0 56 | 11 19 | 2 9 | 3 25 | 0 47 | 7 48 | 1 44 | 3 20 | 13 59 | 11 56 | 12 6 | 17 23 | 3 33 | 4 55 |
| S 7 | 9 47 | 0s28 | 3 13 | 2 44 | 2 43 | 6 50 | 1 11 | 6 37 | 0 34 | 10 54 | 0 56 | 11 22 | 2 9 | 3 26 | 0 47 | 7 48 | 1 44 | 3 20 | 13 59 | 11 56 | 12 5 | 17 22 | 3 32 | 4 55 |
| M 8 | 10 8 | 4 54 | 2 8 | 2 13 | 2 44 | 6 25 | 1 13 | 6 55 | 0 34 | 10 50 | 0 56 | 11 24 | 2 9 | 3 27 | 0 47 | 7 49 | 1 44 | 3 21 | 13 59 | 11 55 | 12 4 | 17 21 | 3 31 | 4 55 |
| T 9 | 10 29 | 9 2 | 0 57 | 1 40 | 2 45 | 6 0 | 1 16 | 7 13 | 0 33 | 10 46 | 0 56 | 11 27 | 2 9 | 3 28 | 0 47 | 7 50 | 1 44 | 3 21 | 13 59 | 11 55 | 12 3 | 17 20 | 3 29 | 4 55 |
| W10 | 10 50 | 12 38 | 0n16 | 1 6 | 2 45 | 5 35 | 1 18 | 7 30 | 0 33 | 10 43 | 0 56 | 11 29 | 2 9 | 3 28 | 0 47 | 7 51 | 1 44 | 3 22 | 13 59 | 11 55 | 12 2 | 17 18 | 3 28 | 4 56 |
| T 11 | 11 11 | 15 33 | 1 26 | 0 31 | 2 44 | 5 10 | 1 21 | 7 48 | 0 32 | 10 39 | 0 57 | 11 32 | 2 9 | 3 29 | 0 47 | 7 52 | 1 44 | 3 22 | 13 59 | 11 55 | 12 1 | 17 17 | 3 27 | 4 56 |
| F 12 | 11 32 | 17 39 | 2 31 | 0n 6 | 2 43 | 4 44 | 1 23 | 8 5 | 0 31 | 10 35 | 0 57 | 11 35 | 2 9 | 3 30 | 0 47 | 7 53 | 1 44 | 3 23 | 13 58 | 11 55 | 12 0 | 17 16 | 3 26 | 4 56 |
| S 13 | 11 52 | 18 52 | 3 27 | 0 43 | 2 41 | 4 18 | 1 25 | 8 22 | 0 31 | 10 31 | 0 57 | 11 37 | 2 9 | 3 30 | 0 47 | 7 53 | 1 44 | 3 23 | 13 58 | 11 55 | 11 58 | 17 15 | 3 25 | 4 56 |
| S 14 | 12 12 | 19 10 | 4 13 | 1 22 | 2 39 | 3 52 | 1 27 | 8 39 | 0 30 | 10 27 | 0 57 | 11 40 | 2 9 | 3 31 | 0 47 | 7 54 | 1 44 | 3 23 | 13 58 | 11 55 | 11 57 | 17 14 | 3 24 | 4 56 |
| M15 | 12 33 | 18 36 | 4 47 | 2 2 | 2 36 | 3 26 | 1 29 | 8 56 | 0 30 | 10 23 | 0 57 | 11 42 | 2 9 | 3 32 | 0 47 | 7 55 | 1 44 | 3 24 | 13 58 | 11 55 | 11 56 | 17 13 | 3 22 | 4 56 |
| T 16 | 12 52 | 17 13 | 5 9 | 2 43 | 2 33 | 2 59 | 1 31 | 9 13 | 0 29 | 10 19 | 0 58 | 11 45 | 2 8 | 3 33 | 0 47 | 7 56 | 1 44 | 3 24 | 13 58 | 11 55 | 11 55 | 17 12 | 3 21 | 4 57 |
| W17 | 13 12 | 15 5 | 5 17 | 3 25 | 2 29 | 2 33 | 1 33 | 9 30 | 0 29 | 10 16 | 0 58 | 11 48 | 2 8 | 3 33 | 0 47 | 7 57 | 1 44 | 3 25 | 13 58 | 11 55 | 11 54 | 17 11 | 3 20 | 4 57 |
| T 18 | 13 31 | 12 20 | 5 12 | 4 7 | 2 25 | 2 6 | 1 35 | 9 47 | 0 28 | 10 12 | 0 58 | 11 50 | 2 8 | 3 34 | 0 47 | 7 57 | 1 44 | 3 25 | 13 58 | 11 55 | 11 53 | 17 10 | 3 19 | 4 57 |
| F 19 | 13 51 | 9 1 | 4 53 | 4 51 | 2 20 | 1 40 | 1 36 | 10 4 | 0 27 | 10 8 | 0 58 | 11 53 | 2 8 | 3 34 | 0 47 | 7 58 | 1 44 | 3 26 | 13 58 | 11 55 | 11 52 | 17 9 | 3 18 | 4 57 |
| S 20 | 14 10 | 5 17 | 4 20 | 5 36 | 2 14 | 1 13 | 1 38 | 10 20 | 0 27 | 10 5 | 0 59 | 11 55 | 2 8 | 3 35 | 0 47 | 7 59 | 1 44 | 3 26 | 13 58 | 11 55 | 11 51 | 17 8 | 3 17 | 4 57 |
| S 21 | 14 28 | 1 14 | 3 35 | 6 21 | 2 8 | 0 46 | 1 39 | 10 37 | 0 26 | 10 1 | 0 59 | 11 58 | 2 8 | 3 36 | 0 47 | 8 0 | 1 44 | 3 27 | 13 58 | 11 56 | 11 50 | 17 6 | 3 16 | 4 57 |
| M22 | 14 47 | 2n59 | 2 38 | 7 8 | 2 2 | 0 19 | 1 41 | 10 53 | 0 26 | 9 58 | 0 59 | 12 0 | 2 8 | 3 36 | 0 47 | 8 1 | 1 44 | 3 27 | 13 58 | 11 56 | 11 48 | 17 5 | 3 15 | 4 58 |
| T 23 | 15 5 | 7 11 | 1 31 | 7 55 | 1 55 | 0n 8 | 1 42 | 11 9 | 0 25 | 9 54 | 0 59 | 12 3 | 2 8 | 3 37 | 0 47 | 8 1 | 1 44 | 3 27 | 13 57 | 11 56 | 11 47 | 17 4 | 3 14 | 4 58 |
| W24 | 15 23 | 11 8 | 0 17 | 8 42 | 1 47 | 0 35 | 1 43 | 11 25 | 0 24 | 9 51 | 0 59 | 12 5 | 2 8 | 3 37 | 0 47 | 8 2 | 1 44 | 3 28 | 13 57 | 11 56 | 11 46 | 17 3 | 3 13 | 4 58 |
| T 25 | 15 41 | 14 34 | 1s 0 | 9 30 | 1 39 | 1 2 | 1 44 | 11 41 | 0 24 | 9 47 | 1 0 | 12 8 | 2 8 | 3 38 | 0 46 | 8 3 | 1 44 | 3 28 | 13 57 | 11 56 | 11 45 | 17 2 | 3 12 | 4 58 |
| F 26 | 15 58 | 17 13 | 2 14 | 10 19 | 1 31 | 1 29 | 1 45 | 11 57 | 0 23 | 9 44 | 1 0 | 12 10 | 2 8 | 3 38 | 0 46 | 8 4 | 1 44 | 3 29 | 13 57 | 11 56 | 11 44 | 17 1 | 3 11 | 4 58 |
| S 27 | 16 16 | 18 48 | 3 21 | 11 8 | 1 22 | 1 56 | 1 46 | 12 13 | 0 22 | 9 40 | 1 0 | 12 13 | 2 8 | 3 39 | 0 46 | 8 5 | 1 44 | 3 29 | 13 57 | 11 56 | 11 43 | 17 0 | 3 10 | 4 59 |
| S 28 | 16 33 | 19 10 | 4 16 | 11 57 | 1 13 | 2 23 | 1 47 | 12 28 | 0 22 | 9 37 | 1 0 | 12 15 | 2 8 | 3 39 | 0 46 | 8 5 | 1 44 | 3 29 | 13 57 | 11 55 | 11 42 | 16 59 | 3 9 | 4 59 |
| M29 | 16 49 | 18 16 | 4 54 | 12 46 | 1 4 | 2 51 | 1 48 | 12 44 | 0 21 | 9 34 | 1 1 | 12 18 | 2 8 | 3 40 | 0 46 | 8 6 | 1 44 | 3 30 | 13 57 | 11 54 | 11 41 | 16 58 | 3 8 | 4 59 |
| T 30 | 17n 6 | 16n12 | 5s13 | 13n35 | 0s54 | 3n18 | 1s49 | 12n59 | 0s21 | 9s31 | 1s 1 | 12n20 | 2s 8 | 3n40 | 0n46 | 8n 7 | 1s44 | 3n30 | 13s57 | 11s54 | 11s40 | 16s56 | 3s 7 | 4n59 |

Julian Day Number = 2225558.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'33, Lahiri = 15°13'34 Julian Calendar 1 Apr. 1381 == Greg. Calendar 9 Apr. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## MAY 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 8 13 | 18♉25'16 | 8♌34 | 10♉46 | 13♈42 | 5♉58 | 8♓13 | 8♉34 | 22°R33 | 25♈ 6 | 16♉48 | 1°R 5 | 0♏22 | 20♑35 | 10♓19 | W 1 |
| T 2 | 15 12 9 | 19°22'59 | 22°43 | 12°52 | 14°53 | 6°42 | 8°22 | 8°42 | 22♍32 | 25° 8 | 16°49 | 1°D 5 | 0°19 | 20°41 | 10°21 | T 2 |
| F 3 | 15 16 6 | 20°20'41 | 6♍39 | 14°59 | 16° 5 | 7°26 | 8°31 | 8°49 | 22°31 | 25°11 | 16°51 | 1♏ 6 | 0°16 | 20°48 | 10°23 | F 3 |
| S 4 | 15 20 2 | 21°18'20 | 20°20 | 17° 8 | 17°16 | 8°10 | 8°39 | 8°57 | 22°30 | 25°13 | 16°52 | 1° 7 | 0°13 | 20°55 | 10°25 | S 4 |
| S 5 | 15 23 59 | 22°15'58 | 3♎48 | 19°18 | 18°27 | 8°53 | 8°48 | 9° 5 | 22°29 | 25°15 | 16°53 | 1° 8 | 0°10 | 21° 1 | 10°26 | S 5 |
| M 6 | 15 27 55 | 23°13'35 | 17° 1 | 21°29 | 19°38 | 9°37 | 8°56 | 9°12 | 22°28 | 25°17 | 16°55 | 1° 9 | 0° 6 | 21° 8 | 10°28 | M 6 |
| T 7 | 15 31 52 | 24°11'10 | 0♏ 2 | 23°40 | 20°50 | 10°21 | 9° 4 | 9°20 | 22°27 | 25°19 | 16°56 | 1°R10 | 0° 3 | 21°15 | 10°30 | T 7 |
| W 8 | 15 35 48 | 25° 8'44 | 12°50 | 25°52 | 22° 1 | 11° 4 | 9°13 | 9°28 | 22°26 | 25°21 | 16°58 | 1°10 | 0° 0 | 21°22 | 10°31 | W 8 |
| T 9 | 15 39 45 | 26° 6'17 | 25°26 | 28° 4 | 23°12 | 11°48 | 9°20 | 9°35 | 22°26 | 25°23 | 16°59 | 1° 8 | 29♎57 | 21°28 | 10°33 | T 9 |
| F 10 | 15 43 42 | 27° 3'48 | 7♐50 | 0♊15 | 24°24 | 12°31 | 9°28 | 9°43 | 22°25 | 25°25 | 17° 0 | 1° 5 | 29°54 | 21°35 | 10°34 | F 10 |
| S 11 | 15 47 38 | 28° 1'19 | 20° 4 | 2°26 | 25°35 | 13°14 | 9°36 | 9°50 | 22°24 | 25°27 | 17° 2 | 1° 1 | 29°51 | 21°42 | 10°35 | S 11 |
| S 12 | 15 51 35 | 28°58'48 | 2♑ 9 | 4°37 | 26°47 | 13°58 | 9°44 | 9°58 | 22°24 | 25°29 | 17° 3 | 0°56 | 29°47 | 21°49 | 10°37 | S 12 |
| M13 | 15 55 31 | 29°56'17 | 14° 8 | 6°46 | 27°58 | 14°41 | 9°51 | 10° 5 | 22°23 | 25°31 | 17° 4 | 0°52 | 29°44 | 21°55 | 10°38 | M13 |
| T 14 | 15 59 28 | 0♊53'44 | 26° 1 | 8°54 | 29°10 | 15°24 | 9°58 | 10°13 | 22°23 | 25°33 | 17° 6 | 0°47 | 29°41 | 22° 2 | 10°39 | T 14 |
| W15 | 16 3 24 | 1°51'11 | 7♒54 | 11° 1 | 0♉21 | 16° 7 | 10° 5 | 10°20 | 22°22 | 25°35 | 17° 7 | 0°44 | 29°38 | 22° 9 | 10°41 | W15 |
| T 16 | 16 7 21 | 2°48'37 | 19°49 | 13° 6 | 1°33 | 16°50 | 10°12 | 10°28 | 22°22 | 25°36 | 17° 8 | 0°41 | 29°35 | 22°15 | 10°42 | T 16 |
| F 17 | 16 11 17 | 3°46'02 | 1♓52 | 15° 9 | 2°45 | 17°33 | 10°19 | 10°35 | 22°22 | 25°38 | 17° 9 | 0°D41 | 29°32 | 22°22 | 10°43 | F 17 |
| S 18 | 16 15 14 | 4°43'26 | 14° 5 | 17°10 | 3°56 | 18°16 | 10°26 | 10°42 | 22°21 | 25°40 | 17°11 | 0°41 | 29°28 | 22°29 | 10°44 | S 18 |
| S 19 | 16 19 11 | 5°40'50 | 26°35 | 19°10 | 5° 8 | 18°59 | 10°32 | 10°50 | 22°21 | 25°42 | 17°12 | 0°42 | 29°25 | 22°36 | 10°45 | S 19 |
| M20 | 16 23 7 | 6°38'13 | 9♈26 | 21° 6 | 6°20 | 19°42 | 10°38 | 10°57 | 22°21 | 25°44 | 17°13 | 0°44 | 29°22 | 22°42 | 10°46 | M20 |
| T 21 | 16 27 4 | 7°35'36 | 22°40 | 23° 1 | 7°31 | 20°25 | 10°45 | 11° 4 | 22°21 | 25°46 | 17°15 | 0°45 | 29°19 | 22°49 | 10°47 | T 21 |
| W22 | 16 31 0 | 8°32'58 | 6♉21 | 24°53 | 8°43 | 21° 8 | 10°51 | 11°11 | 22°D21 | 25°47 | 17°16 | 0°R45 | 29°16 | 22°56 | 10°47 | W22 |
| T 23 | 16 34 57 | 9°30'19 | 20°27 | 26°43 | 9°55 | 21°50 | 10°57 | 11°19 | 22°21 | 25°49 | 17°17 | 0°44 | 29°12 | 23° 2 | 10°48 | T 23 |
| F 24 | 16 38 53 | 10°27'40 | 4♊56 | 28°30 | 11° 7 | 22°33 | 11° 2 | 11°26 | 22°21 | 25°51 | 17°18 | 0°40 | 29° 9 | 23° 9 | 10°49 | F 24 |
| S 25 | 16 42 50 | 11°25'00 | 19°43 | 0♋15 | 12°19 | 23°16 | 11° 8 | 11°33 | 22°21 | 25°53 | 17°20 | 0°35 | 29° 6 | 23°16 | 10°50 | S 25 |
| S 26 | 16 46 46 | 12°22'20 | 4♋40 | 1°57 | 13°31 | 23°58 | 11°13 | 11°40 | 22°21 | 25°54 | 17°21 | 0°30 | 29° 3 | 23°23 | 10°50 | S 26 |
| M27 | 16 50 43 | 13°19'38 | 19°37 | 3°37 | 14°43 | 24°41 | 11°18 | 11°47 | 22°21 | 25°56 | 17°22 | 0°23 | 29° 0 | 23°29 | 10°51 | M27 |
| T 28 | 16 54 40 | 14°16'56 | 4♌27 | 5°14 | 15°55 | 25°23 | 11°23 | 11°54 | 22°22 | 25°58 | 17°23 | 0°18 | 28°57 | 23°36 | 10°51 | T 28 |
| W29 | 16 58 36 | 15°14'13 | 19° 2 | 6°49 | 17° 7 | 26° 5 | 11°28 | 12° 1 | 22°22 | 25°59 | 17°25 | 0°13 | 28°53 | 23°43 | 10°52 | W29 |
| T 30 | 17 2 33 | 16°11'28 | 3♍18 | 8°21 | 18°19 | 26°48 | 11°33 | 12° 8 | 22°22 | 26° 1 | 17°26 | 0°11 | 28°50 | 23°50 | 10°52 | T 30 |
| F 31 | 17 6 29 | 17♊ 8'43 | 17♍13 | 9♋50 | 19♉31 | 27♉30 | 11♓37 | 12♉15 | 22♍23 | 26♈ 3 | 17♉27 | 0°D10 | 28♎47 | 23♑56 | 10♓52 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n22 | 13n 8 | 5s13 | 14n24 | 0s44 | 3n45 | 1s49 | 13n15 | 0s20 | 9s27 | 1s 1 | 12n23 | 2s 8 | 3n41 | 0n46 | 8n 8 | 1s44 | 3n31 | 13s57 | 11s53 | 11s38 | 16s55 | 3s 6 | 4n59 |
| T 2 | 17 38 | 9 22 | 4 53 | 15 13 | 0 34 | 4 12 | 1 50 | 13 30 | 0 19 | 9 24 | 1 1 | 12 25 | 2 8 | 3 41 | 0 46 | 8 8 | 1 45 | 3 31 | 13 57 | 11 53 | 11 37 | 16 54 | 3 5 | 5 0 |
| F 3 | 17 53 | 5 7 | 4 17 | 16 1 | 0 23 | 4 39 | 1 50 | 13 45 | 0 19 | 9 21 | 1 2 | 12 28 | 2 8 | 3 41 | 0 46 | 8 9 | 1 45 | 3 31 | 13 57 | 11 54 | 11 36 | 16 53 | 3 4 | 5 0 |
| S 4 | 18 9 | 0 41 | 3 26 | 16 48 | 0 13 | 5 6 | 1 50 | 13 59 | 0 18 | 9 18 | 1 2 | 12 30 | 2 8 | 3 42 | 0 46 | 8 10 | 1 45 | 3 32 | 13 57 | 11 54 | 11 35 | 16 52 | 3 4 | 5 0 |
| S 5 | 18 24 | 3s44 | 2 25 | 17 34 | 0 2 | 5 33 | 1 51 | 14 14 | 0 17 | 9 15 | 1 2 | 12 33 | 2 8 | 3 42 | 0 46 | 8 11 | 1 45 | 3 32 | 13 57 | 11 54 | 11 34 | 16 51 | 3 3 | 5 0 |
| M 6 | 18 38 | 7 54 | 1 17 | 18 19 | 0n 8 | 6 0 | 1 51 | 14 28 | 0 17 | 9 12 | 1 2 | 12 35 | 2 8 | 3 42 | 0 46 | 8 11 | 1 45 | 3 32 | 13 57 | 11 55 | 11 33 | 16 50 | 3 2 | 5 0 |
| T 7 | 18 53 | 11 37 | 0 6 | 19 3 | 0 19 | 6 27 | 1 51 | 14 43 | 0 16 | 9 10 | 1 3 | 12 37 | 2 8 | 3 43 | 0 46 | 8 12 | 1 45 | 3 33 | 13 57 | 11 55 | 11 32 | 16 48 | 3 1 | 5 1 |
| W 8 | 19 7 | 14 44 | 1n 4 | 19 45 | 0 29 | 6 53 | 1 51 | 14 57 | 0 16 | 9 7 | 1 3 | 12 40 | 2 8 | 3 43 | 0 46 | 8 13 | 1 45 | 3 33 | 13 57 | 11 55 | 11 31 | 16 47 | 3 0 | 5 1 |
| T 9 | 19 21 | 17 5 | 2 9 | 20 26 | 0 39 | 7 20 | 1 51 | 15 11 | 0 15 | 9 4 | 1 3 | 12 42 | 2 8 | 3 43 | 0 46 | 8 13 | 1 45 | 3 33 | 13 57 | 11 54 | 11 29 | 16 46 | 3 0 | 5 1 |
| F 10 | 19 34 | 18 36 | 3 8 | 21 4 | 0 49 | 7 46 | 1 50 | 15 25 | 0 14 | 9 1 | 1 3 | 12 44 | 2 8 | 3 43 | 0 46 | 8 14 | 1 45 | 3 34 | 13 57 | 11 53 | 11 28 | 16 45 | 2 59 | 5 1 |
| S 11 | 19 47 | 19 13 | 3 57 | 21 40 | 0 58 | 8 13 | 1 50 | 15 39 | 0 14 | 8 59 | 1 4 | 12 47 | 2 8 | 3 44 | 0 46 | 8 15 | 1 45 | 3 34 | 13 57 | 11 52 | 11 27 | 16 44 | 2 58 | 5 2 |
| S 12 | 20 0 | 18 56 | 4 34 | 22 14 | 1 7 | 8 39 | 1 50 | 15 52 | 0 13 | 8 56 | 1 4 | 12 49 | 2 8 | 3 44 | 0 46 | 8 15 | 1 45 | 3 34 | 13 57 | 11 50 | 11 26 | 16 43 | 2 57 | 5 2 |
| M13 | 20 12 | 17 48 | 4 59 | 22 45 | 1 16 | 9 5 | 1 49 | 16 6 | 0 12 | 8 53 | 1 4 | 12 51 | 2 8 | 3 44 | 0 46 | 8 16 | 1 45 | 3 35 | 13 57 | 11 49 | 11 25 | 16 42 | 2 57 | 5 2 |
| T 14 | 20 24 | 15 55 | 5 11 | 23 14 | 1 24 | 9 31 | 1 49 | 16 19 | 0 12 | 8 51 | 1 4 | 12 54 | 2 9 | 3 44 | 0 46 | 8 17 | 1 45 | 3 35 | 13 57 | 11 47 | 11 24 | 16 40 | 2 56 | 5 2 |
| W15 | 20 36 | 13 21 | 5 10 | 23 40 | 1 31 | 9 56 | 1 48 | 16 32 | 0 11 | 8 48 | 1 5 | 12 56 | 2 9 | 3 44 | 0 46 | 8 17 | 1 45 | 3 35 | 13 57 | 11 46 | 11 23 | 16 39 | 2 55 | 5 2 |
| T 16 | 20 47 | 10 15 | 4 55 | 24 4 | 1 38 | 10 22 | 1 48 | 16 45 | 0 10 | 8 46 | 1 5 | 12 58 | 2 9 | 3 44 | 0 46 | 8 18 | 1 45 | 3 36 | 13 57 | 11 45 | 11 22 | 16 38 | 2 55 | 5 3 |
| F 17 | 20 58 | 6 41 | 4 27 | 24 25 | 1 44 | 10 47 | 1 47 | 16 58 | 0 10 | 8 44 | 1 5 | 13 1 | 2 9 | 3 44 | 0 46 | 8 19 | 1 45 | 3 36 | 13 57 | 11 45 | 11 20 | 16 37 | 2 54 | 5 3 |
| S 18 | 21 9 | 2 47 | 3 47 | 24 43 | 1 49 | 11 12 | 1 46 | 17 11 | 0 9 | 8 41 | 1 5 | 13 3 | 2 9 | 3 44 | 0 46 | 8 19 | 1 45 | 3 36 | 13 57 | 11 45 | 11 19 | 16 36 | 2 53 | 5 3 |
| S 19 | 21 19 | 1n19 | 2 55 | 24 58 | 1 54 | 11 37 | 1 45 | 17 23 | 0 9 | 8 39 | 1 6 | 13 5 | 2 9 | 3 44 | 0 46 | 8 20 | 1 45 | 3 37 | 13 57 | 11 45 | 11 18 | 16 35 | 2 53 | 5 3 |
| M20 | 21 29 | 5 29 | 1 54 | 25 10 | 1 58 | 12 2 | 1 44 | 17 35 | 0 8 | 8 37 | 1 6 | 13 7 | 2 9 | 3 44 | 0 45 | 8 21 | 1 45 | 3 37 | 13 58 | 11 46 | 11 17 | 16 33 | 2 52 | 5 4 |
| T 21 | 21 39 | 9 32 | 0 44 | 25 21 | 2 1 | 12 26 | 1 43 | 17 48 | 0 7 | 8 35 | 1 6 | 13 9 | 2 9 | 3 44 | 0 45 | 8 21 | 1 45 | 3 37 | 13 58 | 11 46 | 11 16 | 16 32 | 2 52 | 5 4 |
| W22 | 21 48 | 13 12 | 0s30 | 25 28 | 2 3 | 12 50 | 1 42 | 18 0 | 0 7 | 8 33 | 1 7 | 13 12 | 2 9 | 3 44 | 0 45 | 8 22 | 1 45 | 3 37 | 13 58 | 11 46 | 11 15 | 16 31 | 2 51 | 5 4 |
| T 23 | 21 57 | 16 14 | 1 45 | 25 33 | 2 5 | 13 14 | 1 41 | 18 11 | 0 6 | 8 31 | 1 7 | 13 14 | 2 9 | 3 44 | 0 45 | 8 23 | 1 45 | 3 38 | 13 58 | 11 46 | 11 14 | 16 30 | 2 51 | 5 4 |
| F 24 | 22 5 | 18 19 | 2 55 | 25 36 | 2 6 | 13 38 | 1 40 | 18 23 | 0 5 | 8 29 | 1 7 | 13 16 | 2 9 | 3 44 | 0 45 | 8 23 | 1 45 | 3 38 | 13 58 | 11 45 | 11 13 | 16 29 | 2 50 | 5 5 |
| S 25 | 22 13 | 19 14 | 3 54 | 25 37 | 2 6 | 14 1 | 1 39 | 18 34 | 0 5 | 8 27 | 1 7 | 13 18 | 2 9 | 3 44 | 0 45 | 8 24 | 1 45 | 3 38 | 13 58 | 11 43 | 11 11 | 16 27 | 2 50 | 5 5 |
| S 26 | 22 21 | 18 48 | 4 38 | 25 35 | 2 5 | 14 24 | 1 37 | 18 46 | 0 4 | 8 25 | 1 8 | 13 20 | 2 9 | 3 44 | 0 45 | 8 24 | 1 45 | 3 38 | 13 58 | 11 41 | 11 10 | 16 26 | 2 49 | 5 5 |
| M27 | 22 28 | 17 4 | 5 3 | 25 32 | 2 4 | 14 46 | 1 36 | 18 57 | 0 3 | 8 24 | 1 8 | 13 22 | 2 9 | 3 44 | 0 45 | 8 25 | 1 45 | 3 39 | 13 58 | 11 39 | 11 9 | 16 25 | 2 49 | 5 5 |
| T 28 | 22 35 | 14 13 | 5 8 | 25 26 | 2 1 | 15 9 | 1 35 | 19 8 | 0 3 | 8 22 | 1 8 | 13 24 | 2 9 | 3 44 | 0 45 | 8 25 | 1 45 | 3 39 | 13 58 | 11 37 | 11 8 | 16 24 | 2 48 | 5 5 |
| W29 | 22 42 | 10 32 | 4 52 | 25 19 | 1 59 | 15 31 | 1 33 | 19 18 | 0 2 | 8 20 | 1 9 | 13 26 | 2 9 | 3 44 | 0 45 | 8 26 | 1 45 | 3 39 | 13 58 | 11 35 | 11 7 | 16 23 | 2 48 | 5 6 |
| T 30 | 22 48 | 6 18 | 4 19 | 25 10 | 1 55 | 15 52 | 1 32 | 19 29 | 0 1 | 8 19 | 1 9 | 13 28 | 2 10 | 3 43 | 0 45 | 8 26 | 1 46 | 3 39 | 13 58 | 11 34 | 11 6 | 16 21 | 2 48 | 5 6 |
| F 31 | 22n54 | 1n50 | 3s31 | 25n 0 | 1n51 | 16n13 | 1s30 | 19n39 | 0s 1 | 8s17 | 1s 9 | 13n30 | 2s10 | 3n43 | 0n45 | 8n27 | 1s46 | 3n40 | 13s59 | 11s34 | 11s 5 | 16s20 | 2s47 | 5n 6 |

Julian Day Number = 2225588.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'37, Lahiri = 15°13'38 Julian Calendar 1 May 1381 == Greg. Calendar 9 May 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## JUNE 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 10 26 | 18♊ 5'57 | 0♎46 | 11♋17 | 20♉43 | 28♉12 | 11♓42 | 12♉22 | 22♍23 | 26♈ 4 | 17♉28 | 0♏11 | 28♎44 | 24♑ 3 | 10♓53 | S 1 |
| S 2 | 17 14 22 | 19° 3'11 | 14° 0 | 12°41 | 21°55 | 28°54 | 11°46 | 12°28 | 22°24 | 26° 6 | 17°29 | 0°12 | 28°41 | 24°10 | 10°53 | S 2 |
| M 3 | 17 18 19 | 20° 0'23 | 26°57 | 14° 3 | 23° 7 | 29°36 | 11°50 | 12°35 | 22°25 | 26° 7 | 17°31 | 0°R13 | 28°38 | 24°16 | 10°53 | M 3 |
| T 4 | 17 22 15 | 20°57'35 | 9♏39 | 15°21 | 24°19 | 0♊18 | 11°54 | 12°42 | 22°25 | 26° 9 | 17°32 | 0°12 | 28°34 | 24°23 | 10°53 | T 4 |
| W 5 | 17 26 12 | 21°54'47 | 22° 9 | 16°37 | 25°31 | 1° 0 | 11°57 | 12°49 | 22°26 | 26°10 | 17°33 | 0°10 | 28°31 | 24°30 | 10°R53 | W 5 |
| T 6 | 17 30 9 | 22°51'58 | 4♐29 | 17°50 | 26°43 | 1°42 | 12° 1 | 12°55 | 22°27 | 26°12 | 17°34 | 0° 5 | 28°28 | 24°37 | 10°53 | T 6 |
| F 7 | 17 34 5 | 23°49'09 | 16°40 | 19° 0 | 27°56 | 2°24 | 12° 4 | 13° 2 | 22°27 | 26°13 | 17°35 | 29♎59 | 28°25 | 24°43 | 10°53 | F 7 |
| S 8 | 17 38 2 | 24°46'19 | 28°45 | 20° 7 | 29° 8 | 3° 6 | 12° 7 | 13° 8 | 22°28 | 26°14 | 17°36 | 29°50 | 28°22 | 24°50 | 10°53 | S 8 |
| S 9 | 17 41 58 | 25°43'29 | 10♑44 | 21°11 | 0♊20 | 3°48 | 12°10 | 13°15 | 22°29 | 26°16 | 17°37 | 29°40 | 28°18 | 24°57 | 10°53 | S 9 |
| M10 | 17 45 55 | 26°40'39 | 22°39 | 22°12 | 1°33 | 4°29 | 12°13 | 13°21 | 22°30 | 26°17 | 17°39 | 29°29 | 28°15 | 25° 3 | 10°53 | M10 |
| T 11 | 17 49 51 | 27°37'49 | 4♒31 | 23°10 | 2°45 | 5°11 | 12°15 | 13°27 | 22°31 | 26°18 | 17°40 | 29°19 | 28°12 | 25°10 | 10°52 | T 11 |
| W12 | 17 53 48 | 28°34'58 | 16°23 | 24° 4 | 3°57 | 5°53 | 12°18 | 13°34 | 22°32 | 26°20 | 17°41 | 29°10 | 28° 9 | 25°17 | 10°52 | W12 |
| T 13 | 17 57 44 | 29°32'08 | 28°18 | 24°55 | 5°10 | 6°34 | 12°20 | 13°40 | 22°33 | 26°21 | 17°42 | 29° 4 | 28° 6 | 25°24 | 10°52 | T 13 |
| F 14 | 18 1 41 | 0♋29'18 | 10♓20 | 25°43 | 6°22 | 7°16 | 12°22 | 13°46 | 22°35 | 26°22 | 17°43 | 29° 0 | 28° 3 | 25°30 | 10°51 | F 14 |
| S 15 | 18 5 38 | 1°26'28 | 22°31 | 26°26 | 7°35 | 7°57 | 12°24 | 13°52 | 22°36 | 26°23 | 17°44 | 28°57 | 27°59 | 25°37 | 10°51 | S 15 |
| S 16 | 18 9 34 | 2°23'38 | 4♈58 | 27° 6 | 8°47 | 8°38 | 12°25 | 13°58 | 22°37 | 26°24 | 17°45 | 28°D57 | 27°56 | 25°44 | 10°50 | S 16 |
| M17 | 18 13 31 | 3°20'49 | 17°45 | 27°43 | 10° 0 | 9°20 | 12°26 | 14° 4 | 22°38 | 26°26 | 17°46 | 28°58 | 27°53 | 25°51 | 10°50 | M17 |
| T 18 | 18 17 27 | 4°18'00 | 0♉55 | 28°15 | 11°12 | 10° 1 | 12°28 | 14°10 | 22°40 | 26°27 | 17°47 | 28°R58 | 27°50 | 25°57 | 10°49 | T 18 |
| W19 | 18 21 24 | 5°15'11 | 14°34 | 28°43 | 12°25 | 10°42 | 12°29 | 14°16 | 22°41 | 26°28 | 17°48 | 28°57 | 27°47 | 26° 4 | 10°48 | W19 |
| T 20 | 18 25 20 | 6°12'23 | 28°41 | 29° 6 | 13°38 | 11°23 | 12°30 | 14°22 | 22°43 | 26°29 | 17°49 | 28°54 | 27°44 | 26°11 | 10°47 | T 20 |
| F 21 | 18 29 17 | 7° 9'35 | 13♊15 | 29°26 | 14°50 | 12° 4 | 12°30 | 14°28 | 22°44 | 26°30 | 17°50 | 28°48 | 27°40 | 26°17 | 10°47 | F 21 |
| S 22 | 18 33 13 | 8° 6'47 | 28°13 | 29°41 | 16° 3 | 12°46 | 12°31 | 14°33 | 22°46 | 26°31 | 17°51 | 28°41 | 27°37 | 26°24 | 10°46 | S 22 |
| S 23 | 18 37 10 | 9° 4'00 | 13♋24 | 29°51 | 17°16 | 13°27 | 12°31 | 14°39 | 22°47 | 26°32 | 17°52 | 28°31 | 27°34 | 26°31 | 10°45 | S 23 |
| M24 | 18 41 7 | 10° 1'13 | 28°40 | 29°56 | 18°28 | 14° 8 | 12°R31 | 14°44 | 22°49 | 26°33 | 17°53 | 28°21 | 27°31 | 26°38 | 10°44 | M24 |
| T 25 | 18 45 3 | 10°58'26 | 13♌48 | 29°R57 | 19°41 | 14°48 | 12°31 | 14°50 | 22°51 | 26°34 | 17°53 | 28°12 | 27°28 | 26°44 | 10°43 | T 25 |
| W26 | 18 49 0 | 11°55'39 | 28°40 | 29°53 | 20°54 | 15°29 | 12°30 | 14°55 | 22°52 | 26°34 | 17°54 | 28° 4 | 27°24 | 26°51 | 10°42 | W26 |
| T 27 | 18 52 56 | 12°52'52 | 13♍ 8 | 29°44 | 22° 7 | 16°10 | 12°30 | 15° 1 | 22°54 | 26°35 | 17°55 | 27°59 | 27°21 | 26°58 | 10°41 | T 27 |
| F 28 | 18 56 53 | 13°50'05 | 27° 9 | 29°30 | 23°20 | 16°51 | 12°29 | 15° 6 | 22°56 | 26°36 | 17°56 | 27°56 | 27°18 | 27° 5 | 10°39 | F 28 |
| S 29 | 19 0 49 | 14°47'18 | 10♎44 | 29°12 | 24°33 | 17°31 | 12°28 | 15°11 | 22°58 | 26°37 | 17°57 | 27°D55 | 27°15 | 27°11 | 10°38 | S 29 |
| S 30 | 19 4 46 | 15♋44'31 | 23♎54 | 28♋49 | 25♊46 | 18♊12 | 12♓27 | 15♉16 | 23♍ 0 | 26♈38 | 17♉58 | 27°R55 | 27♎12 | 27♑18 | 10♓37 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n59 | 2s38 | 2s32 | 24n48 | 1n46 | 16n34 | 1s28 | 19n49 | 0s 0 | 8s16 | 1s 9 | 13n32 | 2s10 | 3n43 | 0n45 | 8n28 | 1s46 | 3n40 | 13s59 | 11s34 | 11s 4 | 16s19 | 2s47 | 5n 6 |
| S 2 | 23 4 | 6 52 | 1 26 | 24 35 | 1 40 | 16 55 | 1 26 | 19 59 | 0n 1 | 8 15 | 1 10 | 13 34 | 2 10 | 3 43 | 0 45 | 8 28 | 1 46 | 3 40 | 13 59 | 11 35 | 11 2 | 16 18 | 2 47 | 5 7 |
| M 3 | 23 8 | 10 41 | 0 18 | 24 20 | 1 34 | 17 15 | 1 25 | 20 9 | 0 1 | 8 14 | 1 10 | 13 36 | 2 10 | 3 42 | 0 45 | 8 29 | 1 46 | 3 40 | 13 59 | 11 35 | 11 1 | 16 17 | 2 46 | 5 7 |
| T 4 | 23 12 | 13 57 | 0n51 | 24 5 | 1 27 | 17 34 | 1 23 | 20 19 | 0 2 | 8 12 | 1 10 | 13 38 | 2 10 | 3 42 | 0 45 | 8 29 | 1 46 | 3 40 | 13 59 | 11 35 | 11 0 | 16 15 | 2 46 | 5 7 |
| W 5 | 23 16 | 16 31 | 1 55 | 23 48 | 1 20 | 17 54 | 1 21 | 20 28 | 0 3 | 8 11 | 1 11 | 13 40 | 2 10 | 3 42 | 0 45 | 8 30 | 1 46 | 3 40 | 13 59 | 11 34 | 10 59 | 16 14 | 2 46 | 5 7 |
| T 6 | 23 19 | 18 16 | 2 53 | 23 31 | 1 12 | 18 12 | 1 19 | 20 37 | 0 3 | 8 10 | 1 11 | 13 42 | 2 10 | 3 42 | 0 45 | 8 30 | 1 46 | 3 41 | 13 59 | 11 32 | 10 58 | 16 13 | 2 46 | 5 8 |
| F 7 | 23 22 | 19 9 | 3 43 | 23 12 | 1 3 | 18 31 | 1 17 | 20 46 | 0 4 | 8 9 | 1 11 | 13 44 | 2 10 | 3 41 | 0 45 | 8 30 | 1 46 | 3 41 | 13 59 | 11 30 | 10 57 | 16 12 | 2 46 | 5 8 |
| S 8 | 23 25 | 19 9 | 4 21 | 22 53 | 0 54 | 18 49 | 1 15 | 20 55 | 0 5 | 8 8 | 1 11 | 13 46 | 2 10 | 3 41 | 0 45 | 8 31 | 1 46 | 3 41 | 14 0 | 11 27 | 10 56 | 16 11 | 2 45 | 5 8 |
| S 9 | 23 27 | 18 18 | 4 48 | 22 34 | 0 44 | 19 6 | 1 13 | 21 4 | 0 5 | 8 7 | 1 12 | 13 47 | 2 11 | 3 40 | 0 45 | 8 31 | 1 46 | 3 41 | 14 0 | 11 23 | 10 54 | 16 9 | 2 45 | 5 8 |
| M10 | 23 29 | 16 38 | 5 2 | 22 14 | 0 33 | 19 23 | 1 11 | 21 12 | 0 6 | 8 7 | 1 12 | 13 49 | 2 11 | 3 40 | 0 45 | 8 32 | 1 46 | 3 41 | 14 0 | 11 20 | 10 53 | 16 8 | 2 45 | 5 9 |
| T 11 | 23 30 | 14 17 | 5 3 | 21 54 | 0 23 | 19 39 | 1 9 | 21 20 | 0 7 | 8 6 | 1 12 | 13 51 | 2 11 | 3 40 | 0 45 | 8 32 | 1 46 | 3 41 | 14 0 | 11 16 | 10 52 | 16 7 | 2 45 | 5 9 |
| W12 | 23 31 | 11 21 | 4 51 | 21 33 | 0 11 | 19 55 | 1 6 | 21 29 | 0 7 | 8 5 | 1 13 | 13 53 | 2 11 | 3 39 | 0 44 | 8 33 | 1 46 | 3 42 | 14 0 | 11 13 | 10 51 | 16 6 | 2 45 | 5 9 |
| T 13 | 23 31 | 7 56 | 4 26 | 21 12 | 0s 1 | 20 11 | 1 4 | 21 36 | 0 8 | 8 5 | 1 13 | 13 54 | 2 11 | 3 39 | 0 44 | 8 33 | 1 46 | 3 42 | 14 0 | 11 11 | 10 50 | 16 4 | 2 45 | 5 9 |
| F 14 | 23 31 | 4 11 | 3 49 | 20 51 | 0 13 | 20 25 | 1 2 | 21 44 | 0 9 | 8 4 | 1 13 | 13 56 | 2 11 | 3 38 | 0 44 | 8 33 | 1 46 | 3 42 | 14 0 | 11 9 | 10 49 | 16 3 | 2 45 | 5 9 |
| S 15 | 23 31 | 0 12 | 3 2 | 20 30 | 0 26 | 20 40 | 1 0 | 21 51 | 0 9 | 8 4 | 1 14 | 13 58 | 2 11 | 3 38 | 0 44 | 8 34 | 1 46 | 3 42 | 14 1 | 11 8 | 10 48 | 16 2 | 2 45 | 5 10 |
| S 16 | 23 30 | 3n53 | 2 4 | 20 9 | 0 40 | 20 54 | 0 57 | 21 59 | 0 10 | 8 4 | 1 14 | 14 0 | 2 11 | 3 37 | 0 44 | 8 34 | 1 46 | 3 42 | 14 1 | 11 8 | 10 46 | 16 1 | 2 45 | 5 10 |
| M17 | 23 28 | 7 54 | 0 59 | 19 49 | 0 53 | 21 7 | 0 55 | 22 6 | 0 11 | 8 3 | 1 14 | 14 1 | 2 12 | 3 36 | 0 44 | 8 35 | 1 46 | 3 42 | 14 1 | 11 8 | 10 45 | 15 59 | 2 45 | 5 10 |
| T 18 | 23 27 | 11 40 | 0s10 | 19 29 | 1 7 | 21 19 | 0 53 | 22 13 | 0 11 | 8 3 | 1 15 | 14 3 | 2 12 | 3 36 | 0 44 | 8 35 | 1 47 | 3 42 | 14 1 | 11 8 | 10 44 | 15 58 | 2 45 | 5 10 |
| W19 | 23 25 | 14 57 | 1 22 | 19 9 | 1 22 | 21 32 | 0 50 | 22 19 | 0 12 | 8 3 | 1 15 | 14 4 | 2 12 | 3 35 | 0 44 | 8 35 | 1 47 | 3 42 | 14 1 | 11 8 | 10 43 | 15 57 | 2 45 | 5 11 |
| T 20 | 23 22 | 17 28 | 2 31 | 18 50 | 1 36 | 21 43 | 0 48 | 22 26 | 0 13 | 8 3 | 1 15 | 14 6 | 2 12 | 3 35 | 0 44 | 8 36 | 1 47 | 3 42 | 14 2 | 11 7 | 10 42 | 15 56 | 2 45 | 5 11 |
| F 21 | 23 19 | 18 57 | 3 32 | 18 32 | 1 51 | 21 54 | 0 45 | 22 32 | 0 13 | 8 3 | 1 15 | 14 8 | 2 12 | 3 34 | 0 44 | 8 36 | 1 47 | 3 42 | 14 2 | 11 5 | 10 41 | 15 54 | 2 45 | 5 11 |
| S 22 | 23 16 | 19 10 | 4 21 | 18 14 | 2 6 | 22 4 | 0 43 | 22 38 | 0 14 | 8 3 | 1 16 | 14 9 | 2 12 | 3 33 | 0 44 | 8 36 | 1 47 | 3 42 | 14 2 | 11 2 | 10 40 | 15 53 | 2 45 | 5 11 |
| S 23 | 23 12 | 18 0 | 4 52 | 17 57 | 2 21 | 22 14 | 0 40 | 22 44 | 0 15 | 8 3 | 1 16 | 14 11 | 2 12 | 3 33 | 0 44 | 8 36 | 1 47 | 3 43 | 14 2 | 10 59 | 10 38 | 15 52 | 2 45 | 5 11 |
| M24 | 23 8 | 15 34 | 5 2 | 17 41 | 2 36 | 22 23 | 0 38 | 22 49 | 0 15 | 8 4 | 1 16 | 14 12 | 2 13 | 3 32 | 0 44 | 8 37 | 1 47 | 3 43 | 14 2 | 10 55 | 10 37 | 15 51 | 2 46 | 5 12 |
| T 25 | 23 4 | 12 5 | 4 51 | 17 27 | 2 51 | 22 32 | 0 35 | 22 55 | 0 16 | 8 4 | 1 17 | 14 14 | 2 13 | 3 31 | 0 44 | 8 37 | 1 47 | 3 43 | 14 3 | 10 52 | 10 36 | 15 49 | 2 46 | 5 12 |
| W26 | 22 59 | 7 54 | 4 20 | 17 13 | 3 5 | 22 39 | 0 33 | 23 0 | 0 17 | 8 4 | 1 17 | 14 15 | 2 13 | 3 31 | 0 44 | 8 37 | 1 47 | 3 43 | 14 3 | 10 49 | 10 35 | 15 48 | 2 46 | 5 12 |
| T 27 | 22 53 | 3 22 | 3 34 | 17 1 | 3 19 | 22 47 | 0 30 | 23 5 | 0 17 | 8 5 | 1 17 | 14 16 | 2 13 | 3 30 | 0 44 | 8 37 | 1 47 | 3 43 | 14 3 | 10 47 | 10 34 | 15 47 | 2 46 | 5 12 |
| F 28 | 22 48 | 1s14 | 2 35 | 16 51 | 3 33 | 22 53 | 0 28 | 23 10 | 0 18 | 8 6 | 1 18 | 14 18 | 2 13 | 3 29 | 0 44 | 8 38 | 1 47 | 3 43 | 14 3 | 10 46 | 10 33 | 15 46 | 2 46 | 5 12 |
| S 29 | 22 42 | 5 38 | 1 30 | 16 42 | 3 46 | 22 59 | 0 25 | 23 14 | 0 19 | 8 6 | 1 18 | 14 19 | 2 13 | 3 28 | 0 44 | 8 38 | 1 47 | 3 43 | 14 3 | 10 46 | 10 32 | 15 44 | 2 47 | 5 13 |
| S 30 | 22n35 | 9s38 | 0s21 | 16n34 | 3s59 | 23n 4 | 0s23 | 23n19 | 0n19 | 8s 7 | 1s18 | 14n20 | 2s13 | 3n27 | 0n44 | 8n38 | 1s47 | 3n43 | 14s 4 | 10s46 | 10s30 | 15s43 | 2s47 | 5n13 |

Julian Day Number = 2225619.5, Delta T = 08m22s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'42, Lahiri = 15°13'42 Julian Calendar 1 June 1381 == Greg. Calendar 9 June 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## JULY 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 8 43 | 16♋41'45 | 6♏43 | 28°R23 | 26♊59 | 18♊53 | 12°R26 | 15♉21 | 23♍ 2 | 26♈38 | 17♉58 | 27°R55 | 27♎ 9 | 27♑25 | 10°R36 | M 1 |
| T 2 | 19 12 39 | 17°38'59 | 19°15 | 27♋52 | 28°12 | 19°33 | 12♓24 | 15°26 | 23° 4 | 26°39 | 17°59 | 27♎54 | 27° 5 | 27°31 | 10♓34 | T 2 |
| W 3 | 19 16 36 | 18°36'13 | 1♐34 | 27°18 | 29°25 | 20°14 | 12°22 | 15°31 | 23° 6 | 26°40 | 18° 0 | 27°50 | 27° 2 | 27°38 | 10°33 | W 3 |
| T 4 | 19 20 32 | 19°33'27 | 13°43 | 26°41 | 0♋38 | 20°54 | 12°20 | 15°36 | 23° 8 | 26°40 | 18° 1 | 27°43 | 26°59 | 27°45 | 10°31 | T 4 |
| F 5 | 19 24 29 | 20°30'42 | 25°45 | 26° 1 | 1°51 | 21°34 | 12°18 | 15°41 | 23°10 | 26°41 | 18° 1 | 27°34 | 26°56 | 27°52 | 10°30 | F 5 |
| S 6 | 19 28 25 | 21°27'58 | 7♑42 | 25°20 | 3° 4 | 22°15 | 12°16 | 15°45 | 23°13 | 26°41 | 18° 2 | 27°22 | 26°53 | 27°58 | 10°28 | S 6 |
| S 7 | 19 32 22 | 22°25'14 | 19°36 | 24°37 | 4°17 | 22°55 | 12°14 | 15°50 | 23°15 | 26°42 | 18° 3 | 27° 9 | 26°50 | 28° 5 | 10°27 | S 7 |
| M 8 | 19 36 18 | 23°22'30 | 1♒29 | 23°55 | 5°30 | 23°35 | 12°11 | 15°55 | 23°17 | 26°42 | 18° 4 | 26°55 | 26°46 | 28°12 | 10°25 | M 8 |
| T 9 | 19 40 15 | 24°19'48 | 13°22 | 23°12 | 6°43 | 24°15 | 12° 8 | 15°59 | 23°19 | 26°43 | 18° 4 | 26°42 | 26°43 | 28°19 | 10°23 | T 9 |
| W10 | 19 44 12 | 25°17'06 | 25°16 | 22°31 | 7°57 | 24°55 | 12° 5 | 16° 3 | 23°22 | 26°43 | 18° 5 | 26°30 | 26°40 | 28°25 | 10°21 | W10 |
| T 11 | 19 48 8 | 26°14'25 | 7♓14 | 21°51 | 9°10 | 25°35 | 12° 2 | 16° 8 | 23°24 | 26°44 | 18° 5 | 26°21 | 26°37 | 28°32 | 10°20 | T 11 |
| F 12 | 19 52 5 | 27°11'45 | 19°18 | 21°14 | 10°23 | 26°15 | 11°58 | 16°12 | 23°27 | 26°44 | 18° 6 | 26°15 | 26°34 | 28°39 | 10°18 | F 12 |
| S 13 | 19 56 1 | 28° 9'06 | 1♈31 | 20°41 | 11°36 | 26°55 | 11°55 | 16°16 | 23°29 | 26°44 | 18° 7 | 26°11 | 26°30 | 28°45 | 10°16 | S 13 |
| S 14 | 19 59 58 | 29° 6'28 | 13°57 | 20°11 | 12°50 | 27°35 | 11°51 | 16°20 | 23°32 | 26°45 | 18° 7 | 26° 9 | 26°27 | 28°52 | 10°14 | S 14 |
| M15 | 20 3 54 | 0♌ 3'51 | 26°41 | 19°47 | 14° 3 | 28°15 | 11°47 | 16°24 | 23°34 | 26°45 | 18° 8 | 26° 9 | 26°24 | 28°59 | 10°12 | M15 |
| T 16 | 20 7 51 | 1° 1'16 | 9♉48 | 19°27 | 15°17 | 28°55 | 11°43 | 16°28 | 23°37 | 26°45 | 18° 8 | 26° 9 | 26°21 | 29° 6 | 10°10 | T 16 |
| W17 | 20 11 47 | 1°58'42 | 23°19 | 19°13 | 16°30 | 29°34 | 11°39 | 16°31 | 23°40 | 26°45 | 18° 9 | 26° 8 | 26°18 | 29°12 | 10° 8 | W17 |
| T 18 | 20 15 44 | 2°56'09 | 7♊19 | 19° 5 | 17°44 | 0♋14 | 11°34 | 16°35 | 23°42 | 26°46 | 18° 9 | 26° 5 | 26°15 | 29°19 | 10° 6 | T 18 |
| F 19 | 20 19 41 | 3°53'37 | 21°47 | 19°D 3 | 18°57 | 0°54 | 11°29 | 16°38 | 23°45 | 26°46 | 18°10 | 25°59 | 26°11 | 29°26 | 10° 4 | F 19 |
| S 20 | 20 23 37 | 4°51'07 | 6♋40 | 19° 7 | 20°11 | 1°33 | 11°25 | 16°42 | 23°48 | 26°46 | 18°10 | 25°51 | 26° 8 | 29°32 | 10° 2 | S 20 |
| S 21 | 20 27 34 | 5°48'38 | 21°51 | 19°18 | 21°24 | 2°13 | 11°20 | 16°45 | 23°50 | 26°46 | 18°11 | 25°41 | 26° 5 | 29°39 | 9°59 | S 21 |
| M22 | 20 31 30 | 6°46'10 | 7♌10 | 19°36 | 22°38 | 2°52 | 11°14 | 16°49 | 23°53 | 26°R46 | 18°11 | 25°30 | 26° 2 | 29°46 | 9°57 | M22 |
| T 23 | 20 35 27 | 7°43'43 | 22°25 | 20° 1 | 23°52 | 3°31 | 11° 9 | 16°52 | 23°56 | 26°46 | 18°11 | 25°20 | 25°59 | 29°53 | 9°55 | T 23 |
| W24 | 20 39 23 | 8°41'17 | 7♍26 | 20°33 | 25° 5 | 4°11 | 11° 4 | 16°55 | 23°59 | 26°46 | 18°12 | 25°12 | 25°56 | 29°59 | 9°53 | W24 |
| T 25 | 20 43 20 | 9°38'53 | 22° 4 | 21°11 | 26°19 | 4°50 | 10°58 | 16°58 | 24° 2 | 26°46 | 18°12 | 25° 6 | 25°52 | 0♒ 6 | 9°50 | T 25 |
| F 26 | 20 47 16 | 10°36'29 | 6♎14 | 21°56 | 27°33 | 5°29 | 10°52 | 17° 1 | 24° 5 | 26°46 | 18°12 | 25° 3 | 25°49 | 0°13 | 9°48 | F 26 |
| S 27 | 20 51 13 | 11°34'06 | 19°56 | 22°48 | 28°47 | 6° 8 | 10°47 | 17° 3 | 24° 8 | 26°46 | 18°13 | 25°D 2 | 25°46 | 0°20 | 9°45 | S 27 |
| S 28 | 20 55 10 | 12°31'44 | 3♏ 9 | 23°47 | 0♌ 1 | 6°48 | 10°40 | 17° 6 | 24°11 | 26°45 | 18°13 | 25° 2 | 25°43 | 0°26 | 9°43 | S 28 |
| M29 | 20 59 6 | 13°29'23 | 15°59 | 24°51 | 1°14 | 7°27 | 10°34 | 17° 9 | 24°14 | 26°45 | 18°13 | 25°R 2 | 25°40 | 0°33 | 9°41 | M29 |
| T 30 | 21 3 3 | 14°27'03 | 28°29 | 26° 2 | 2°28 | 8° 6 | 10°28 | 17°11 | 24°17 | 26°45 | 18°13 | 25° 1 | 25°36 | 0°40 | 9°38 | T 30 |
| W31 | 21 6 59 | 15♌24'44 | 10♐44 | 27♋18 | 3♌42 | 8♋45 | 10♓22 | 17♉14 | 24♍20 | 26♈45 | 18♉14 | 24♎58 | 25♎33 | 0♒46 | 9♓36 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n28 | 13s 4 | 0n46 | 16n28 | 4s10 | 23n 9 | 0s20 | 23n23 | 0n20 | 8s 8 | 1s19 | 14n22 | 2s14 | 3n27 | 0n44 | 8n38 | 1s47 | 3n43 | 14s 4 | 10s46 | 10s29 | 15s42 | 2s47 | 5n13 |
| T 2 | 22 21 | 15 50 | 1 50 | 16 24 | 4 21 | 23 13 | 0 17 | 23 27 | 0 21 | 8 9 | 1 19 | 14 23 | 2 14 | 3 26 | 0 44 | 8 39 | 1 47 | 3 43 | 14 4 | 10 46 | 10 28 | 15 41 | 2 48 | 5 13 |
| W 3 | 22 13 | 17 48 | 2 48 | 16 21 | 4 30 | 23 16 | 0 15 | 23 31 | 0 21 | 8 10 | 1 19 | 14 24 | 2 14 | 3 25 | 0 44 | 8 39 | 1 47 | 3 43 | 14 4 | 10 44 | 10 27 | 15 39 | 2 48 | 5 13 |
| T 4 | 22 5 | 18 56 | 3 37 | 16 21 | 4 38 | 23 19 | 0 12 | 23 34 | 0 22 | 8 11 | 1 19 | 14 25 | 2 14 | 3 24 | 0 44 | 8 39 | 1 47 | 3 43 | 14 4 | 10 42 | 10 26 | 15 38 | 2 48 | 5 14 |
| F 5 | 21 57 | 19 12 | 4 15 | 16 21 | 4 44 | 23 21 | 0 10 | 23 37 | 0 23 | 8 12 | 1 20 | 14 27 | 2 14 | 3 23 | 0 44 | 8 39 | 1 48 | 3 43 | 14 5 | 10 39 | 10 25 | 15 37 | 2 49 | 5 14 |
| S 6 | 21 48 | 18 36 | 4 42 | 16 24 | 4 49 | 23 22 | 0 7 | 23 41 | 0 23 | 8 13 | 1 20 | 14 28 | 2 14 | 3 22 | 0 44 | 8 39 | 1 48 | 3 43 | 14 5 | 10 34 | 10 24 | 15 35 | 2 49 | 5 14 |
| S 7 | 21 39 | 17 11 | 4 57 | 16 28 | 4 53 | 23 22 | 0 5 | 23 43 | 0 24 | 8 14 | 1 20 | 14 29 | 2 15 | 3 21 | 0 43 | 8 39 | 1 48 | 3 43 | 14 5 | 10 30 | 10 22 | 15 34 | 2 50 | 5 14 |
| M 8 | 21 29 | 15 2 | 4 59 | 16 34 | 4 54 | 23 22 | 0 2 | 23 46 | 0 25 | 8 15 | 1 21 | 14 30 | 2 15 | 3 20 | 0 43 | 8 39 | 1 48 | 3 42 | 14 5 | 10 25 | 10 21 | 15 33 | 2 50 | 5 14 |
| T 9 | 21 19 | 12 16 | 4 47 | 16 41 | 4 54 | 23 21 | 0n 1 | 23 49 | 0 25 | 8 17 | 1 21 | 14 31 | 2 15 | 3 19 | 0 43 | 8 40 | 1 48 | 3 42 | 14 6 | 10 20 | 10 20 | 15 32 | 2 51 | 5 14 |
| W10 | 21 9 | 9 0 | 4 23 | 16 50 | 4 52 | 23 20 | 0 3 | 23 51 | 0 26 | 8 18 | 1 21 | 14 32 | 2 15 | 3 18 | 0 43 | 8 40 | 1 48 | 3 42 | 14 6 | 10 15 | 10 19 | 15 30 | 2 51 | 5 15 |
| T 11 | 20 58 | 5 22 | 3 48 | 16 59 | 4 48 | 23 18 | 0 6 | 23 53 | 0 27 | 8 20 | 1 22 | 14 33 | 2 15 | 3 17 | 0 43 | 8 40 | 1 48 | 3 42 | 14 6 | 10 12 | 10 18 | 15 29 | 2 52 | 5 15 |
| F 12 | 20 47 | 1 28 | 3 1 | 17 10 | 4 43 | 23 15 | 0 8 | 23 55 | 0 27 | 8 21 | 1 22 | 14 34 | 2 16 | 3 16 | 0 43 | 8 40 | 1 48 | 3 42 | 14 6 | 10 10 | 10 17 | 15 28 | 2 52 | 5 15 |
| S 13 | 20 36 | 2n32 | 2 6 | 17 22 | 4 36 | 23 11 | 0 11 | 23 57 | 0 28 | 8 23 | 1 22 | 14 35 | 2 16 | 3 15 | 0 43 | 8 40 | 1 48 | 3 42 | 14 7 | 10 8 | 10 16 | 15 26 | 2 53 | 5 15 |
| S 14 | 20 24 | 6 30 | 1 4 | 17 35 | 4 28 | 23 7 | 0 13 | 23 58 | 0 29 | 8 25 | 1 22 | 14 36 | 2 16 | 3 14 | 0 43 | 8 40 | 1 48 | 3 42 | 14 7 | 10 8 | 10 14 | 15 25 | 2 53 | 5 15 |
| M15 | 20 12 | 10 17 | 0s 3 | 17 48 | 4 18 | 23 2 | 0 16 | 24 0 | 0 29 | 8 26 | 1 23 | 14 37 | 2 16 | 3 13 | 0 43 | 8 40 | 1 48 | 3 42 | 14 7 | 10 8 | 10 13 | 15 24 | 2 54 | 5 15 |
| T 16 | 20 0 | 13 40 | 1 12 | 18 2 | 4 7 | 22 56 | 0 18 | 24 1 | 0 30 | 8 28 | 1 23 | 14 38 | 2 16 | 3 12 | 0 43 | 8 40 | 1 48 | 3 42 | 14 7 | 10 8 | 10 12 | 15 23 | 2 55 | 5 16 |
| W17 | 19 47 | 16 26 | 2 18 | 18 16 | 3 54 | 22 50 | 0 20 | 24 2 | 0 31 | 8 30 | 1 23 | 14 39 | 2 17 | 3 11 | 0 43 | 8 40 | 1 48 | 3 42 | 14 8 | 10 7 | 10 11 | 15 21 | 2 55 | 5 16 |
| T 18 | 19 34 | 18 20 | 3 19 | 18 31 | 3 41 | 22 43 | 0 23 | 24 2 | 0 31 | 8 32 | 1 23 | 14 40 | 2 17 | 3 10 | 0 43 | 8 40 | 1 48 | 3 42 | 14 8 | 10 6 | 10 10 | 15 20 | 2 56 | 5 16 |
| F 19 | 19 21 | 19 7 | 4 9 | 18 45 | 3 27 | 22 35 | 0 25 | 24 3 | 0 32 | 8 34 | 1 24 | 14 41 | 2 17 | 3 9 | 0 43 | 8 40 | 1 48 | 3 41 | 14 8 | 10 4 | 10 9 | 15 19 | 2 57 | 5 16 |
| S 20 | 19 7 | 18 37 | 4 44 | 18 59 | 3 12 | 22 27 | 0 28 | 24 3 | 0 33 | 8 36 | 1 24 | 14 41 | 2 17 | 3 8 | 0 43 | 8 40 | 1 48 | 3 41 | 14 8 | 10 1 | 10 7 | 15 17 | 2 57 | 5 16 |
| S 21 | 18 53 | 16 48 | 5 0 | 19 13 | 2 56 | 22 18 | 0 30 | 24 3 | 0 33 | 8 38 | 1 24 | 14 42 | 2 17 | 3 7 | 0 43 | 8 40 | 1 49 | 3 41 | 14 9 | 9 57 | 10 6 | 15 16 | 2 58 | 5 16 |
| M22 | 18 38 | 13 47 | 4 55 | 19 26 | 2 40 | 22 8 | 0 32 | 24 3 | 0 34 | 8 40 | 1 24 | 14 43 | 2 18 | 3 6 | 0 43 | 8 40 | 1 49 | 3 41 | 14 9 | 9 54 | 10 5 | 15 15 | 2 59 | 5 16 |
| T 23 | 18 24 | 9 51 | 4 28 | 19 39 | 2 24 | 21 58 | 0 34 | 24 3 | 0 35 | 8 43 | 1 25 | 14 44 | 2 18 | 3 4 | 0 43 | 8 40 | 1 49 | 3 41 | 14 9 | 9 50 | 10 4 | 15 13 | 2 59 | 5 16 |
| W24 | 18 9 | 5 21 | 3 44 | 19 51 | 2 7 | 21 47 | 0 37 | 24 2 | 0 35 | 8 45 | 1 25 | 14 44 | 2 18 | 3 3 | 0 43 | 8 40 | 1 49 | 3 41 | 14 9 | 9 47 | 10 3 | 15 12 | 3 0 | 5 17 |
| T 25 | 17 54 | 0 38 | 2 45 | 20 1 | 1 51 | 21 35 | 0 39 | 24 2 | 0 36 | 8 47 | 1 25 | 14 45 | 2 18 | 3 2 | 0 43 | 8 40 | 1 49 | 3 41 | 14 10 | 9 45 | 10 2 | 15 11 | 3 1 | 5 17 |
| F 26 | 17 38 | 3s59 | 1 38 | 20 10 | 1 34 | 21 23 | 0 41 | 24 1 | 0 37 | 8 50 | 1 25 | 14 46 | 2 18 | 3 1 | 0 43 | 8 40 | 1 49 | 3 40 | 14 10 | 9 44 | 10 0 | 15 9 | 3 2 | 5 17 |
| S 27 | 17 22 | 8 14 | 0 27 | 20 18 | 1 18 | 21 10 | 0 43 | 24 0 | 0 37 | 8 52 | 1 26 | 14 46 | 2 19 | 3 0 | 0 43 | 8 39 | 1 49 | 3 40 | 14 10 | 9 43 | 9 59 | 15 8 | 3 3 | 5 17 |
| S 28 | 17 6 | 11 56 | 0n43 | 20 24 | 1 2 | 20 57 | 0 45 | 23 58 | 0 38 | 8 55 | 1 26 | 14 47 | 2 19 | 2 58 | 0 43 | 8 39 | 1 49 | 3 40 | 14 10 | 9 43 | 9 58 | 15 7 | 3 3 | 5 17 |
| M29 | 16 50 | 14 56 | 1 49 | 20 28 | 0 46 | 20 43 | 0 47 | 23 57 | 0 39 | 8 57 | 1 26 | 14 47 | 2 19 | 2 57 | 0 43 | 8 39 | 1 49 | 3 40 | 14 11 | 9 43 | 9 57 | 15 5 | 3 4 | 5 17 |
| T 30 | 16 33 | 17 10 | 2 48 | 20 30 | 0 31 | 20 28 | 0 49 | 23 55 | 0 39 | 9 0 | 1 26 | 14 48 | 2 19 | 2 56 | 0 43 | 8 39 | 1 49 | 3 40 | 14 11 | 9 43 | 9 56 | 15 4 | 3 5 | 5 17 |
| W31 | 16n16 | 18s32 | 3n38 | 20n30 | 0s17 | 20n13 | 0n51 | 23n54 | 0n40 | 9s 3 | 1s27 | 14n48 | 2s19 | 2n55 | 0n43 | 8n39 | 1s49 | 3n39 | 14s11 | 9s42 | 9s55 | 15s 3 | 3s 6 | 5n17 |

Julian Day Number = 2225649.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'46, Lahiri = 15°13'46 Julian Calendar 1 July 1381 == Greg. Calendar 9 July 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## AUGUST 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 10 56 | 16♌22'27 | 22♐47 | 28♋40 | 4♌56 | 9♋23 | 10°R15 | 17♉16 | 24♍23 | 26°R44 | 18♉14 | 24°R53 | 25♎30 | 0♒53 | 9°R33 | T 1 |
| F 2 | 21 14 52 | 17°20'11 | 4♑44 | 0♌ 7 | 6°10 | 10° 2 | 10♓ 8 | 17°18 | 24°27 | 26♈44 | 18°14 | 24♎45 | 25°27 | 1° 0 | 9♓31 | F 2 |
| S 3 | 21 18 49 | 18°17'55 | 16°38 | 1°39 | 7°24 | 10°41 | 10° 2 | 17°20 | 24°30 | 26°44 | 18°14 | 24°35 | 25°24 | 1° 7 | 9°28 | S 3 |
| S 4 | 21 22 45 | 19°15'41 | 28°30 | 3°16 | 8°38 | 11°20 | 9°55 | 17°22 | 24°33 | 26°43 | 18°14 | 24°23 | 25°21 | 1°13 | 9°25 | S 4 |
| M 5 | 21 26 42 | 20°13'29 | 10♒23 | 4°56 | 9°52 | 11°58 | 9°48 | 17°24 | 24°36 | 26°43 | 18°14 | 24°11 | 25°17 | 1°20 | 9°23 | M 5 |
| T 6 | 21 30 39 | 21°11'18 | 22°19 | 6°40 | 11° 6 | 12°37 | 9°41 | 17°26 | 24°40 | 26°42 | 18°14 | 24° 0 | 25°14 | 1°27 | 9°20 | T 6 |
| W 7 | 21 34 35 | 22° 9'08 | 4♓19 | 8°27 | 12°20 | 13°16 | 9°33 | 17°28 | 24°43 | 26°42 | 18°15 | 23°50 | 25°11 | 1°33 | 9°17 | W 7 |
| T 8 | 21 38 32 | 23° 7'00 | 16°24 | 10°17 | 13°34 | 13°54 | 9°26 | 17°29 | 24°46 | 26°41 | 18°15 | 23°42 | 25° 8 | 1°40 | 9°15 | T 8 |
| F 9 | 21 42 28 | 24° 4'54 | 28°37 | 12° 9 | 14°49 | 14°32 | 9°19 | 17°31 | 24°50 | 26°41 | 18°15 | 23°36 | 25° 5 | 1°47 | 9°12 | F 9 |
| S 10 | 21 46 25 | 25° 2'49 | 10♈58 | 14° 3 | 16° 3 | 15°11 | 9°11 | 17°32 | 24°53 | 26°40 | 18°R15 | 23°33 | 25° 1 | 1°54 | 9° 9 | S 10 |
| S 11 | 21 50 21 | 26° 0'46 | 23°31 | 15°59 | 17°17 | 15°49 | 9° 4 | 17°33 | 24°56 | 26°40 | 18°15 | 23°D32 | 24°58 | 2° 0 | 9° 7 | S 11 |
| M12 | 21 54 18 | 26°58'45 | 6♉20 | 17°55 | 18°31 | 16°28 | 8°56 | 17°34 | 25° 0 | 26°39 | 18°15 | 23°33 | 24°55 | 2° 7 | 9° 4 | M12 |
| T 13 | 21 58 14 | 27°56'46 | 19°26 | 19°52 | 19°46 | 17° 6 | 8°49 | 17°35 | 25° 3 | 26°38 | 18°15 | 23°34 | 24°52 | 2°14 | 9° 1 | T 13 |
| W14 | 22 2 11 | 28°54'49 | 2♊54 | 21°50 | 21° 0 | 17°44 | 8°41 | 17°36 | 25° 7 | 26°38 | 18°14 | 23°R34 | 24°49 | 2°21 | 8°58 | W14 |
| T 15 | 22 6 7 | 29°52'54 | 16°45 | 23°48 | 22°14 | 18°22 | 8°33 | 17°37 | 25°10 | 26°37 | 18°14 | 23°33 | 24°46 | 2°27 | 8°55 | T 15 |
| F 16 | 22 10 4 | 0♍51'01 | 1♋ 1 | 25°46 | 23°29 | 19° 0 | 8°25 | 17°38 | 25°14 | 26°36 | 18°14 | 23°29 | 24°42 | 2°34 | 8°53 | F 16 |
| S 17 | 22 14 1 | 1°49'10 | 15°39 | 27°43 | 24°43 | 19°38 | 8°18 | 17°39 | 25°17 | 26°35 | 18°14 | 23°24 | 24°39 | 2°41 | 8°50 | S 17 |
| S 18 | 22 17 57 | 2°47'21 | 0♌35 | 29°40 | 25°57 | 20°16 | 8°10 | 17°39 | 25°21 | 26°35 | 18°14 | 23°17 | 24°36 | 2°47 | 8°47 | S 18 |
| M19 | 22 21 54 | 3°45'33 | 15°40 | 1♍36 | 27°12 | 20°54 | 8° 2 | 17°39 | 25°24 | 26°34 | 18°14 | 23°10 | 24°33 | 2°54 | 8°44 | M19 |
| T 20 | 22 25 50 | 4°43'48 | 0♍46 | 3°31 | 28°26 | 21°32 | 7°54 | 17°40 | 25°28 | 26°33 | 18°14 | 23° 2 | 24°30 | 3° 1 | 8°41 | T 20 |
| W21 | 22 29 47 | 5°42'04 | 15°42 | 5°26 | 29°41 | 22°10 | 7°46 | 17°40 | 25°32 | 26°32 | 18°13 | 22°57 | 24°27 | 3° 8 | 8°38 | W21 |
| T 22 | 22 33 43 | 6°40'23 | 0♎20 | 7°20 | 0♍55 | 22°47 | 7°38 | 17°R40 | 25°35 | 26°31 | 18°13 | 22°52 | 24°23 | 3°14 | 8°36 | T 22 |
| F 23 | 22 37 40 | 7°38'42 | 14°34 | 9°12 | 2°10 | 23°25 | 7°30 | 17°40 | 25°39 | 26°30 | 18°13 | 22°50 | 24°20 | 3°21 | 8°33 | F 23 |
| S 24 | 22 41 36 | 8°37'04 | 28°21 | 11° 4 | 3°24 | 24° 3 | 7°22 | 17°40 | 25°43 | 26°29 | 18°13 | 22°D50 | 24°17 | 3°28 | 8°30 | S 24 |
| S 25 | 22 45 33 | 9°35'27 | 11♏40 | 12°55 | 4°39 | 24°40 | 7°14 | 17°40 | 25°46 | 26°28 | 18°12 | 22°51 | 24°14 | 3°34 | 8°27 | S 25 |
| M26 | 22 49 30 | 10°33'52 | 24°34 | 14°44 | 5°54 | 25°18 | 7° 6 | 17°39 | 25°50 | 26°27 | 18°12 | 22°53 | 24°11 | 3°41 | 8°24 | M26 |
| T 27 | 22 53 26 | 11°32'18 | 7♐ 7 | 16°33 | 7° 8 | 25°55 | 6°58 | 17°39 | 25°54 | 26°26 | 18°12 | 22°R54 | 24° 7 | 3°48 | 8°21 | T 27 |
| W28 | 22 57 23 | 12°30'46 | 19°23 | 18°20 | 8°23 | 26°32 | 6°50 | 17°38 | 25°57 | 26°25 | 18°11 | 22°54 | 24° 4 | 3°55 | 8°19 | W28 |
| T 29 | 23 1 19 | 13°29'16 | 1♑27 | 20° 7 | 9°38 | 27°10 | 6°42 | 17°37 | 26° 1 | 26°24 | 18°11 | 22°52 | 24° 1 | 4° 1 | 8°16 | T 29 |
| F 30 | 23 5 16 | 14°27'48 | 13°23 | 21°52 | 10°52 | 27°47 | 6°35 | 17°37 | 26° 5 | 26°23 | 18°10 | 22°48 | 23°58 | 4° 8 | 8°13 | F 30 |
| S 31 | 23 9 12 | 15♍26'21 | 25♑15 | 23♍36 | 12♍ 7 | 28♋24 | 6♓27 | 17♉36 | 26♍ 8 | 26♈21 | 18♉10 | 22♎43 | 23♎55 | 4♒15 | 8♓10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n59 | 19s 3 | 4n17 | 20n27 | 0s 2 | 19n57 | 0n53 | 23n52 | 0n41 | 9s 5 | 1s27 | 14n49 | 2s20 | 2n53 | 0n43 | 8n39 | 1s49 | 3n39 | 14s11 | 9s40 | 9s54 | 15s 1 | 3s 7 | 5n17 |
| F 2 | 15 41 | 18 42 | 4 44 | 20 22 | 0n11 | 19 41 | 0 55 | 23 49 | 0 41 | 9 8 | 1 27 | 14 49 | 2 20 | 2 52 | 0 43 | 8 39 | 1 49 | 3 39 | 14 12 | 9 37 | 9 52 | 15 0 | 3 8 | 5 17 |
| S 3 | 15 24 | 17 31 | 5 0 | 20 14 | 0 23 | 19 24 | 0 57 | 23 47 | 0 42 | 9 11 | 1 27 | 14 49 | 2 20 | 2 51 | 0 43 | 8 38 | 1 49 | 3 39 | 14 12 | 9 33 | 9 51 | 14 59 | 3 9 | 5 17 |
| S 4 | 15 6 | 15 36 | 5 2 | 20 4 | 0 35 | 19 6 | 0 58 | 23 44 | 0 43 | 9 13 | 1 27 | 14 50 | 2 20 | 2 49 | 0 43 | 8 38 | 1 49 | 3 39 | 14 12 | 9 29 | 9 50 | 14 57 | 3 10 | 5 17 |
| M 5 | 14 47 | 13 2 | 4 51 | 19 50 | 0 46 | 18 48 | 1 0 | 23 42 | 0 43 | 9 16 | 1 28 | 14 50 | 2 20 | 2 48 | 0 43 | 8 38 | 1 49 | 3 38 | 14 13 | 9 25 | 9 49 | 14 56 | 3 11 | 5 17 |
| T 6 | 14 29 | 9 54 | 4 27 | 19 34 | 0 56 | 18 29 | 1 2 | 23 39 | 0 44 | 9 19 | 1 28 | 14 50 | 2 21 | 2 47 | 0 43 | 8 38 | 1 50 | 3 38 | 14 13 | 9 20 | 9 48 | 14 55 | 3 11 | 5 17 |
| W 7 | 14 10 | 6 22 | 3 51 | 19 16 | 1 5 | 18 10 | 1 3 | 23 36 | 0 45 | 9 22 | 1 28 | 14 51 | 2 21 | 2 45 | 0 43 | 8 38 | 1 50 | 3 38 | 14 13 | 9 17 | 9 47 | 14 53 | 3 12 | 5 17 |
| T 8 | 13 51 | 2 33 | 3 5 | 18 54 | 1 14 | 17 50 | 1 5 | 23 32 | 0 45 | 9 25 | 1 28 | 14 51 | 2 21 | 2 44 | 0 43 | 8 37 | 1 50 | 3 38 | 14 13 | 9 14 | 9 45 | 14 52 | 3 13 | 5 18 |
| F 9 | 13 32 | 1n25 | 2 9 | 18 30 | 1 21 | 17 30 | 1 7 | 23 29 | 0 46 | 9 28 | 1 28 | 14 51 | 2 21 | 2 43 | 0 43 | 8 37 | 1 50 | 3 37 | 14 14 | 9 12 | 9 44 | 14 51 | 3 14 | 5 18 |
| S 10 | 13 13 | 5 23 | 1 7 | 18 3 | 1 27 | 17 10 | 1 8 | 23 25 | 0 47 | 9 31 | 1 28 | 14 51 | 2 22 | 2 41 | 0 43 | 8 37 | 1 50 | 3 37 | 14 14 | 9 11 | 9 43 | 14 49 | 3 15 | 5 18 |
| S 11 | 12 53 | 9 10 | 0 0 | 17 34 | 1 33 | 16 48 | 1 9 | 23 22 | 0 47 | 9 34 | 1 29 | 14 51 | 2 22 | 2 40 | 0 42 | 8 36 | 1 50 | 3 37 | 14 14 | 9 10 | 9 42 | 14 48 | 3 16 | 5 18 |
| M12 | 12 34 | 12 36 | 1s 8 | 17 3 | 1 37 | 16 27 | 1 11 | 23 18 | 0 48 | 9 37 | 1 29 | 14 51 | 2 22 | 2 39 | 0 42 | 8 36 | 1 50 | 3 37 | 14 14 | 9 10 | 9 41 | 14 47 | 3 17 | 5 18 |
| T 13 | 12 14 | 15 29 | 2 14 | 16 30 | 1 41 | 16 5 | 1 12 | 23 14 | 0 49 | 9 40 | 1 29 | 14 52 | 2 22 | 2 37 | 0 42 | 8 36 | 1 50 | 3 36 | 14 15 | 9 11 | 9 40 | 14 45 | 3 18 | 5 18 |
| W14 | 11 53 | 17 37 | 3 15 | 15 54 | 1 43 | 15 42 | 1 13 | 23 9 | 0 49 | 9 43 | 1 29 | 14 52 | 2 22 | 2 36 | 0 42 | 8 36 | 1 50 | 3 36 | 14 15 | 9 11 | 9 38 | 14 44 | 3 19 | 5 18 |
| T 15 | 11 33 | 18 46 | 4 6 | 15 17 | 1 45 | 15 19 | 1 14 | 23 5 | 0 50 | 9 46 | 1 29 | 14 52 | 2 23 | 2 34 | 0 42 | 8 35 | 1 50 | 3 36 | 14 15 | 9 10 | 9 37 | 14 42 | 3 21 | 5 18 |
| F 16 | 11 12 | 18 47 | 4 44 | 14 39 | 1 47 | 14 56 | 1 16 | 23 0 | 0 51 | 9 49 | 1 29 | 14 52 | 2 23 | 2 33 | 0 42 | 8 35 | 1 50 | 3 36 | 14 15 | 9 9 | 9 36 | 14 41 | 3 22 | 5 18 |
| S 17 | 10 52 | 17 34 | 5 4 | 13 59 | 1 47 | 14 32 | 1 17 | 22 55 | 0 51 | 9 52 | 1 29 | 14 52 | 2 23 | 2 32 | 0 42 | 8 35 | 1 50 | 3 35 | 14 16 | 9 7 | 9 35 | 14 40 | 3 23 | 5 18 |
| S 18 | 10 31 | 15 8 | 5 4 | 13 18 | 1 47 | 14 7 | 1 18 | 22 50 | 0 52 | 9 55 | 1 29 | 14 51 | 2 23 | 2 30 | 0 42 | 8 34 | 1 50 | 3 35 | 14 16 | 9 5 | 9 34 | 14 38 | 3 24 | 5 18 |
| M19 | 10 10 | 11 40 | 4 44 | 12 35 | 1 46 | 13 43 | 1 19 | 22 45 | 0 53 | 9 58 | 1 30 | 14 51 | 2 24 | 2 29 | 0 42 | 8 34 | 1 50 | 3 35 | 14 16 | 9 2 | 9 33 | 14 37 | 3 25 | 5 18 |
| T 20 | 9 48 | 7 27 | 4 3 | 11 52 | 1 45 | 13 18 | 1 19 | 22 40 | 0 53 | 10 1 | 1 30 | 14 51 | 2 24 | 2 27 | 0 42 | 8 34 | 1 50 | 3 34 | 14 16 | 8 59 | 9 31 | 14 36 | 3 26 | 5 17 |
| W21 | 9 27 | 2 47 | 3 7 | 11 8 | 1 42 | 12 52 | 1 20 | 22 35 | 0 54 | 10 4 | 1 30 | 14 51 | 2 24 | 2 26 | 0 42 | 8 33 | 1 50 | 3 34 | 14 17 | 8 57 | 9 30 | 14 34 | 3 27 | 5 17 |
| T 22 | 9 5 | 1s57 | 1 59 | 10 24 | 1 40 | 12 27 | 1 21 | 22 29 | 0 55 | 10 7 | 1 30 | 14 51 | 2 24 | 2 24 | 0 42 | 8 33 | 1 50 | 3 34 | 14 17 | 8 55 | 9 29 | 14 33 | 3 28 | 5 17 |
| F 23 | 8 44 | 6 27 | 0 45 | 9 38 | 1 37 | 12 0 | 1 22 | 22 23 | 0 56 | 10 10 | 1 30 | 14 51 | 2 24 | 2 23 | 0 42 | 8 32 | 1 50 | 3 33 | 14 17 | 8 55 | 9 28 | 14 31 | 3 29 | 5 17 |
| S 24 | 8 22 | 10 27 | 0n30 | 8 53 | 1 33 | 11 34 | 1 22 | 22 18 | 0 56 | 10 13 | 1 30 | 14 50 | 2 25 | 2 21 | 0 42 | 8 32 | 1 51 | 3 33 | 14 17 | 8 55 | 9 27 | 14 30 | 3 30 | 5 17 |
| S 25 | 8 0 | 13 48 | 1 40 | 8 7 | 1 29 | 11 7 | 1 23 | 22 12 | 0 57 | 10 16 | 1 30 | 14 50 | 2 25 | 2 20 | 0 42 | 8 32 | 1 51 | 3 33 | 14 18 | 8 55 | 9 26 | 14 29 | 3 31 | 5 17 |
| M26 | 7 38 | 16 20 | 2 43 | 7 20 | 1 25 | 10 40 | 1 23 | 22 5 | 0 58 | 10 19 | 1 30 | 14 50 | 2 25 | 2 18 | 0 42 | 8 31 | 1 51 | 3 32 | 14 18 | 8 55 | 9 24 | 14 27 | 3 32 | 5 17 |
| T 27 | 7 16 | 18 0 | 3 37 | 6 34 | 1 21 | 10 13 | 1 24 | 21 59 | 0 58 | 10 22 | 1 30 | 14 50 | 2 25 | 2 17 | 0 42 | 8 31 | 1 51 | 3 32 | 14 18 | 8 56 | 9 23 | 14 26 | 3 34 | 5 17 |
| W28 | 6 53 | 18 47 | 4 19 | 5 47 | 1 16 | 9 45 | 1 24 | 21 53 | 0 59 | 10 25 | 1 30 | 14 49 | 2 25 | 2 16 | 0 42 | 8 30 | 1 51 | 3 32 | 14 18 | 8 56 | 9 22 | 14 24 | 3 35 | 5 17 |
| T 29 | 6 31 | 18 41 | 4 49 | 5 0 | 1 10 | 9 17 | 1 24 | 21 46 | 1 0 | 10 28 | 1 30 | 14 49 | 2 26 | 2 14 | 0 42 | 8 30 | 1 51 | 3 31 | 14 19 | 8 55 | 9 21 | 14 23 | 3 36 | 5 17 |
| F 30 | 6 8 | 17 46 | 5 6 | 4 14 | 1 5 | 8 49 | 1 25 | 21 40 | 1 0 | 10 31 | 1 30 | 14 48 | 2 26 | 2 13 | 0 42 | 8 29 | 1 51 | 3 31 | 14 19 | 8 54 | 9 20 | 14 22 | 3 37 | 5 17 |
| S 31 | 5n45 | 16s 4 | 5n10 | 3n27 | 0n59 | 8n21 | 1n25 | 21n33 | 1n 1 | 10s34 | 1s30 | 14n48 | 2s26 | 2n11 | 0n42 | 8n29 | 1s51 | 3n31 | 14s19 | 8s52 | 9s18 | 14s20 | 3s38 | 5n17 |

Julian Day Number = 2225680.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'50, Lahiri = 15°13'51 Julian Calendar 1 Aug. 1381 == Greg. Calendar 9 Aug. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## SEPTEMBER 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 13 9 | 16♍24'56 | 7♒ 8 | 25♍19 | 13♍22 | 29♋ 1 | 6°R19 | 17°R35 | 26♍12 | 26°R20 | 18°R10 | 22°R37 | 23♎52 | 4♒22 | 8°R 7 | S 1 |
| M 2 | 23 17 5 | 17°23'32 | 19° 4 | 27° 1 | 14°36 | 29°38 | 6♓11 | 17♉34 | 26°16 | 26♈19 | 18♉ 9 | 22♎31 | 23°48 | 4°28 | 8♓ 5 | M 2 |
| T 3 | 23 21 2 | 18°22'11 | 1♓ 5 | 28°42 | 15°51 | 0♌15 | 6° 4 | 17°32 | 26°20 | 26°18 | 18° 9 | 22°24 | 23°45 | 4°35 | 8° 2 | T 3 |
| W 4 | 23 24 59 | 19°20'51 | 13°13 | 0♎23 | 17° 6 | 0°52 | 5°56 | 17°31 | 26°23 | 26°17 | 18° 8 | 22°19 | 23°42 | 4°42 | 7°59 | W 4 |
| T 5 | 23 28 55 | 20°19'33 | 25°30 | 2° 2 | 18°21 | 1°29 | 5°49 | 17°30 | 26°27 | 26°15 | 18° 8 | 22°15 | 23°39 | 4°48 | 7°56 | T 5 |
| F 6 | 23 32 52 | 21°18'17 | 7♈56 | 3°40 | 19°35 | 2° 6 | 5°41 | 17°28 | 26°31 | 26°14 | 18° 7 | 22°12 | 23°36 | 4°55 | 7°53 | F 6 |
| S 7 | 23 36 48 | 22°17'04 | 20°34 | 5°17 | 20°50 | 2°42 | 5°34 | 17°26 | 26°35 | 26°13 | 18° 7 | 22°D12 | 23°32 | 5° 2 | 7°51 | S 7 |
| S 8 | 23 40 45 | 23°15'52 | 3♉23 | 6°53 | 22° 5 | 3°19 | 5°27 | 17°25 | 26°38 | 26°11 | 18° 6 | 22°12 | 23°29 | 5° 9 | 7°48 | S 8 |
| M 9 | 23 44 41 | 24°14'43 | 16°25 | 8°29 | 23°20 | 3°56 | 5°20 | 17°23 | 26°42 | 26°10 | 18° 5 | 22°13 | 23°26 | 5°15 | 7°45 | M 9 |
| T 10 | 23 48 38 | 25°13'36 | 29°42 | 10° 3 | 24°35 | 4°32 | 5°13 | 17°21 | 26°46 | 26° 9 | 18° 5 | 22°15 | 23°23 | 5°22 | 7°43 | T 10 |
| W11 | 23 52 34 | 26°12'32 | 13♊14 | 11°36 | 25°50 | 5° 9 | 5° 6 | 17°19 | 26°50 | 26° 7 | 18° 4 | 22°16 | 23°20 | 5°29 | 7°40 | W11 |
| T 12 | 23 56 31 | 27°11'29 | 27° 3 | 13° 9 | 27° 5 | 5°45 | 4°59 | 17°17 | 26°54 | 26° 6 | 18° 3 | 22°R17 | 23°17 | 5°35 | 7°37 | T 12 |
| F 13 | 0 0 27 | 28°10'30 | 11♋ 9 | 14°41 | 28°19 | 6°21 | 4°52 | 17°14 | 26°57 | 26° 4 | 18° 3 | 22°16 | 23°13 | 5°42 | 7°35 | F 13 |
| S 14 | 0 4 24 | 29° 9'32 | 25°30 | 16°12 | 29°34 | 6°58 | 4°45 | 17°12 | 27° 1 | 26° 3 | 18° 2 | 22°15 | 23°10 | 5°49 | 7°32 | S 14 |
| S 15 | 0 8 21 | 0♎ 8'37 | 10♌ 4 | 17°42 | 0♎49 | 7°34 | 4°39 | 17°10 | 27° 5 | 26° 2 | 18° 1 | 22°12 | 23° 7 | 5°56 | 7°30 | S 15 |
| M16 | 0 12 17 | 1° 7'44 | 24°45 | 19°11 | 2° 4 | 8°10 | 4°33 | 17° 7 | 27° 9 | 26° 0 | 18° 1 | 22° 9 | 23° 4 | 6° 2 | 7°27 | M16 |
| T 17 | 0 16 14 | 2° 6'54 | 9♍28 | 20°39 | 3°19 | 8°46 | 4°26 | 17° 4 | 27°13 | 25°59 | 18° 0 | 22° 7 | 23° 1 | 6° 9 | 7°25 | T 17 |
| W18 | 0 20 10 | 3° 6'05 | 24° 4 | 22° 7 | 4°34 | 9°22 | 4°20 | 17° 2 | 27°16 | 25°57 | 17°59 | 22° 4 | 22°58 | 6°16 | 7°22 | W18 |
| T 19 | 0 24 7 | 4° 5'19 | 8♎28 | 23°33 | 5°49 | 9°58 | 4°14 | 16°59 | 27°20 | 25°55 | 17°59 | 22° 3 | 22°54 | 6°22 | 7°20 | T 19 |
| F 20 | 0 28 3 | 5° 4'34 | 22°34 | 24°59 | 7° 4 | 10°34 | 4° 9 | 16°56 | 27°24 | 25°54 | 17°58 | 22°D 3 | 22°51 | 6°29 | 7°17 | F 20 |
| S 21 | 0 32 0 | 6° 3'52 | 6♏18 | 26°23 | 8°19 | 11°10 | 4° 3 | 16°53 | 27°28 | 25°52 | 17°57 | 22° 3 | 22°48 | 6°36 | 7°15 | S 21 |
| S 22 | 0 35 56 | 7° 3'12 | 19°38 | 27°47 | 9°34 | 11°45 | 3°57 | 16°50 | 27°31 | 25°51 | 17°56 | 22° 4 | 22°45 | 6°43 | 7°12 | S 22 |
| M23 | 0 39 53 | 8° 2'33 | 2♐35 | 29°10 | 10°49 | 12°21 | 3°52 | 16°47 | 27°35 | 25°49 | 17°55 | 22° 5 | 22°42 | 6°49 | 7°10 | M23 |
| T 24 | 0 43 50 | 9° 1'57 | 15°12 | 0♏31 | 12° 4 | 12°56 | 3°47 | 16°43 | 27°39 | 25°48 | 17°55 | 22° 6 | 22°38 | 6°56 | 7° 8 | T 24 |
| W25 | 0 47 46 | 10° 1'22 | 27°31 | 1°52 | 13°19 | 13°32 | 3°42 | 16°40 | 27°43 | 25°46 | 17°54 | 22° 7 | 22°35 | 7° 3 | 7° 6 | W25 |
| T 26 | 0 51 43 | 11° 0'49 | 9♑37 | 3°11 | 14°34 | 14° 7 | 3°37 | 16°37 | 27°46 | 25°44 | 17°53 | 22°R 8 | 22°32 | 7°10 | 7° 3 | T 26 |
| F 27 | 0 55 39 | 12° 0'18 | 21°34 | 4°30 | 15°49 | 14°43 | 3°33 | 16°33 | 27°50 | 25°43 | 17°52 | 22° 7 | 22°29 | 7°16 | 7° 1 | F 27 |
| S 28 | 0 59 36 | 12°59'48 | 3♒27 | 5°47 | 17° 5 | 15°18 | 3°28 | 16°29 | 27°54 | 25°41 | 17°51 | 22° 7 | 22°26 | 7°23 | 6°59 | S 28 |
| S 29 | 1 3 32 | 13°59'21 | 15°20 | 7° 2 | 18°20 | 15°53 | 3°24 | 16°26 | 27°57 | 25°40 | 17°50 | 22° 6 | 22°23 | 7°30 | 6°57 | S 29 |
| M30 | 1 7 29 | 14♎58'55 | 27♒18 | 8♏17 | 19♎35 | 16♌28 | 3♓20 | 16♉22 | 28♍ 1 | 25♈38 | 17♉49 | 22♎ 5 | 22♎19 | 7♒36 | 6♓55 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n23 | 13s42 | 5n 1 | 2n40 | 0n53 | 7n52 | 1n25 | 21n26 | 1n 2 | 10s37 | 1s30 | 14n47 | 2s26 | 2n10 | 0n42 | 8n29 | 1s51 | 3n30 | 14s19 | 8s50 | 9s17 | 14s19 | 3s39 | 5n17 |
| M 2 | 5 0 | 10 45 | 4 38 | 1 54 | 0 47 | 7 23 | 1 25 | 21 19 | 1 2 | 10 40 | 1 30 | 14 47 | 2 27 | 2 8 | 0 42 | 8 28 | 1 51 | 3 30 | 14 20 | 8 47 | 9 16 | 14 17 | 3 40 | 5 16 |
| T 3 | 4 37 | 7 20 | 4 3 | 1 8 | 0 40 | 6 54 | 1 25 | 21 11 | 1 3 | 10 43 | 1 30 | 14 46 | 2 27 | 2 7 | 0 42 | 8 28 | 1 51 | 3 30 | 14 20 | 8 45 | 9 15 | 14 16 | 3 42 | 5 16 |
| W 4 | 4 14 | 3 35 | 3 17 | 0 22 | 0 34 | 6 25 | 1 25 | 21 4 | 1 4 | 10 46 | 1 30 | 14 46 | 2 27 | 2 5 | 0 42 | 8 27 | 1 51 | 3 29 | 14 20 | 8 43 | 9 14 | 14 15 | 3 43 | 5 16 |
| T 5 | 3 51 | 0n21 | 2 21 | 0s24 | 0 27 | 5 55 | 1 25 | 20 57 | 1 4 | 10 48 | 1 30 | 14 45 | 2 27 | 2 4 | 0 42 | 8 27 | 1 51 | 3 29 | 14 20 | 8 41 | 9 13 | 14 13 | 3 44 | 5 16 |
| F 6 | 3 28 | 4 21 | 1 17 | 1 9 | 0 20 | 5 26 | 1 25 | 20 49 | 1 5 | 10 51 | 1 30 | 14 45 | 2 27 | 2 2 | 0 42 | 8 26 | 1 51 | 3 29 | 14 21 | 8 40 | 9 11 | 14 12 | 3 45 | 5 16 |
| S 7 | 3 4 | 8 12 | 0 9 | 1 54 | 0 13 | 4 56 | 1 24 | 20 41 | 1 6 | 10 54 | 1 30 | 14 44 | 2 27 | 2 1 | 0 42 | 8 26 | 1 51 | 3 28 | 14 21 | 8 40 | 9 10 | 14 10 | 3 46 | 5 16 |
| S 8 | 2 41 | 11 44 | 1s 1 | 2 39 | 0 6 | 4 26 | 1 24 | 20 33 | 1 7 | 10 56 | 1 30 | 14 43 | 2 28 | 1 59 | 0 42 | 8 25 | 1 51 | 3 28 | 14 21 | 8 40 | 9 9 | 14 9 | 3 47 | 5 16 |
| M 9 | 2 18 | 14 44 | 2 9 | 3 23 | 0s 1 | 3 56 | 1 23 | 20 25 | 1 7 | 10 59 | 1 30 | 14 43 | 2 28 | 1 58 | 0 42 | 8 24 | 1 51 | 3 28 | 14 21 | 8 41 | 9 8 | 14 8 | 3 48 | 5 16 |
| T 10 | 1 54 | 17 2 | 3 11 | 4 7 | 0 8 | 3 26 | 1 23 | 20 17 | 1 8 | 11 1 | 1 30 | 14 42 | 2 28 | 1 56 | 0 42 | 8 24 | 1 51 | 3 27 | 14 21 | 8 41 | 9 7 | 14 6 | 3 49 | 5 15 |
| W11 | 1 31 | 18 25 | 4 5 | 4 50 | 0 15 | 2 55 | 1 22 | 20 9 | 1 9 | 11 4 | 1 30 | 14 41 | 2 28 | 1 54 | 0 42 | 8 23 | 1 51 | 3 27 | 14 22 | 8 42 | 9 6 | 14 5 | 3 51 | 5 15 |
| T 12 | 1 7 | 18 44 | 4 45 | 5 33 | 0 22 | 2 25 | 1 22 | 20 1 | 1 9 | 11 6 | 1 30 | 14 40 | 2 28 | 1 53 | 0 42 | 8 23 | 1 51 | 3 27 | 14 22 | 8 42 | 9 4 | 14 3 | 3 52 | 5 15 |
| F 13 | 0 44 | 17 55 | 5 9 | 6 16 | 0 30 | 1 55 | 1 21 | 19 53 | 1 10 | 11 9 | 1 30 | 14 40 | 2 29 | 1 51 | 0 42 | 8 22 | 1 51 | 3 26 | 14 22 | 8 42 | 9 3 | 14 2 | 3 53 | 5 15 |
| S 14 | 0 20 | 15 58 | 5 14 | 6 58 | 0 37 | 1 24 | 1 20 | 19 44 | 1 11 | 11 11 | 1 30 | 14 39 | 2 29 | 1 50 | 0 42 | 8 22 | 1 51 | 3 26 | 14 22 | 8 41 | 9 2 | 14 1 | 3 54 | 5 15 |
| S 15 | 0s 3 | 12 58 | 4 59 | 7 39 | 0 44 | 0 53 | 1 20 | 19 35 | 1 11 | 11 13 | 1 30 | 14 38 | 2 29 | 1 48 | 0 42 | 8 21 | 1 51 | 3 25 | 14 22 | 8 40 | 9 1 | 13 59 | 3 55 | 5 15 |
| M16 | 0 27 | 9 9 | 4 25 | 8 20 | 0 52 | 0 23 | 1 19 | 19 27 | 1 12 | 11 16 | 1 29 | 14 37 | 2 29 | 1 47 | 0 42 | 8 21 | 1 51 | 3 25 | 14 23 | 8 39 | 9 0 | 13 58 | 3 56 | 5 14 |
| T 17 | 0 51 | 4 45 | 3 34 | 9 0 | 0 59 | 0s 8 | 1 18 | 19 18 | 1 13 | 11 18 | 1 29 | 14 36 | 2 29 | 1 45 | 0 42 | 8 20 | 1 51 | 3 25 | 14 23 | 8 38 | 8 58 | 13 56 | 3 57 | 5 14 |
| W18 | 1 14 | 0 6 | 2 28 | 9 39 | 1 6 | 0 39 | 1 17 | 19 9 | 1 14 | 11 20 | 1 29 | 14 35 | 2 29 | 1 44 | 0 42 | 8 20 | 1 51 | 3 24 | 14 23 | 8 37 | 8 57 | 13 55 | 3 58 | 5 14 |
| T 19 | 1 38 | 4s30 | 1 14 | 10 18 | 1 13 | 1 9 | 1 16 | 19 0 | 1 14 | 11 22 | 1 29 | 14 34 | 2 30 | 1 42 | 0 42 | 8 19 | 1 51 | 3 24 | 14 23 | 8 37 | 8 56 | 13 53 | 3 59 | 5 14 |
| F 20 | 2 1 | 8 46 | 0n 3 | 10 57 | 1 20 | 1 40 | 1 15 | 18 51 | 1 15 | 11 24 | 1 29 | 14 33 | 2 30 | 1 41 | 0 42 | 8 18 | 1 52 | 3 24 | 14 23 | 8 37 | 8 55 | 13 52 | 4 1 | 5 14 |
| S 21 | 2 25 | 12 26 | 1 18 | 11 34 | 1 27 | 2 11 | 1 14 | 18 42 | 1 16 | 11 26 | 1 29 | 14 32 | 2 30 | 1 39 | 0 42 | 8 18 | 1 52 | 3 23 | 14 24 | 8 37 | 8 54 | 13 51 | 4 2 | 5 13 |
| S 22 | 2 49 | 15 21 | 2 27 | 12 11 | 1 34 | 2 42 | 1 13 | 18 33 | 1 16 | 11 28 | 1 29 | 14 31 | 2 30 | 1 38 | 0 42 | 8 17 | 1 52 | 3 23 | 14 24 | 8 37 | 8 53 | 13 49 | 4 3 | 5 13 |
| M23 | 3 12 | 17 23 | 3 26 | 12 47 | 1 41 | 3 12 | 1 11 | 18 23 | 1 17 | 11 30 | 1 29 | 14 30 | 2 30 | 1 36 | 0 42 | 8 17 | 1 52 | 3 22 | 14 24 | 8 38 | 8 51 | 13 48 | 4 4 | 5 13 |
| T 24 | 3 35 | 18 30 | 4 13 | 13 22 | 1 48 | 3 43 | 1 10 | 18 14 | 1 18 | 11 32 | 1 28 | 14 29 | 2 30 | 1 35 | 0 42 | 8 16 | 1 52 | 3 22 | 14 24 | 8 38 | 8 50 | 13 46 | 4 5 | 5 13 |
| W25 | 3 59 | 18 42 | 4 48 | 13 57 | 1 54 | 4 13 | 1 9 | 18 4 | 1 19 | 11 33 | 1 28 | 14 28 | 2 30 | 1 33 | 0 42 | 8 15 | 1 52 | 3 22 | 14 24 | 8 38 | 8 49 | 13 45 | 4 6 | 5 12 |
| T 26 | 4 22 | 18 2 | 5 9 | 14 30 | 2 0 | 4 44 | 1 7 | 17 55 | 1 19 | 11 35 | 1 28 | 14 27 | 2 31 | 1 32 | 0 42 | 8 15 | 1 52 | 3 21 | 14 24 | 8 39 | 8 48 | 13 43 | 4 7 | 5 12 |
| F 27 | 4 46 | 16 34 | 5 17 | 15 3 | 2 7 | 5 14 | 1 6 | 17 45 | 1 20 | 11 36 | 1 28 | 14 26 | 2 31 | 1 31 | 0 42 | 8 14 | 1 52 | 3 21 | 14 25 | 8 39 | 8 47 | 13 42 | 4 8 | 5 12 |
| S 28 | 5 9 | 14 25 | 5 11 | 15 34 | 2 13 | 5 44 | 1 4 | 17 35 | 1 21 | 11 38 | 1 28 | 14 25 | 2 31 | 1 29 | 0 42 | 8 14 | 1 52 | 3 21 | 14 25 | 8 38 | 8 45 | 13 40 | 4 9 | 5 12 |
| S 29 | 5 32 | 11 39 | 4 51 | 16 5 | 2 18 | 6 15 | 1 3 | 17 25 | 1 22 | 11 39 | 1 28 | 14 24 | 2 31 | 1 28 | 0 42 | 8 13 | 1 52 | 3 20 | 14 25 | 8 38 | 8 44 | 13 39 | 4 10 | 5 12 |
| M30 | 5s55 | 8s24 | 4n19 | 16s35 | 2s24 | 6s45 | 1n 1 | 17n16 | 1n22 | 11s41 | 1s28 | 14n22 | 2s31 | 1n26 | 0n42 | 8n12 | 1s52 | 3n20 | 14s25 | 8s38 | 8s43 | 13s38 | 4s11 | 5n11 |

Julian Day Number = 2225711.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'54, Lahiri = 15°13'55 Julian Calendar 1 Sept. 1381 == Greg. Calendar 9 Sept. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## OCTOBER 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 11 25 | 15♎58'31 | 9♓23 | 9♏29 | 20♎50 | 17♌ 3 | 3°R16 | 16°R18 | 28♍ 5 | 25°R36 | 17°R48 | 22°R 4 | 22♎16 | 7♒43 | 6°R53 | T 1 |
| W 2 | 1 15 22 | 16°58'09 | 21°40 | 10°40 | 22° 5 | 17°38 | 3♓12 | 16♉14 | 28° 8 | 25♈35 | 17♉47 | 22♎ 3 | 22°13 | 7°50 | 6♓51 | W 2 |
| T 3 | 1 19 19 | 17°57'49 | 4♈ 9 | 11°49 | 23°20 | 18°13 | 3° 8 | 16°10 | 28°12 | 25°33 | 17°46 | 22° 3 | 22°10 | 7°57 | 6°49 | T 3 |
| F 4 | 1 23 15 | 18°57'30 | 16°52 | 12°56 | 24°35 | 18°47 | 3° 5 | 16° 6 | 28°16 | 25°31 | 17°45 | 22°D 3 | 22° 7 | 8° 3 | 6°47 | F 4 |
| S 5 | 1 27 12 | 19°57'14 | 29°50 | 14° 1 | 25°50 | 19°22 | 3° 2 | 16° 2 | 28°19 | 25°30 | 17°44 | 22° 3 | 22° 4 | 8°10 | 6°45 | S 5 |
| S 6 | 1 31 8 | 20°57'00 | 13♉ 3 | 15° 4 | 27° 5 | 19°57 | 2°59 | 15°58 | 28°23 | 25°28 | 17°43 | 22° 3 | 22° 0 | 8°17 | 6°43 | S 6 |
| M 7 | 1 35 5 | 21°56'48 | 26°28 | 16° 3 | 28°20 | 20°31 | 2°56 | 15°54 | 28°26 | 25°26 | 17°42 | 22°R 3 | 21°57 | 8°23 | 6°41 | M 7 |
| T 8 | 1 39 1 | 22°56'38 | 10♊ 7 | 17° 0 | 29°35 | 21° 6 | 2°53 | 15°50 | 28°30 | 25°25 | 17°41 | 22° 3 | 21°54 | 8°30 | 6°40 | T 8 |
| W 9 | 1 42 58 | 23°56'30 | 23°56 | 17°54 | 0♏51 | 21°40 | 2°51 | 15°45 | 28°33 | 25°23 | 17°40 | 22° 3 | 21°51 | 8°37 | 6°38 | W 9 |
| T 10 | 1 46 54 | 24°56'25 | 7♋54 | 18°43 | 2° 6 | 22°14 | 2°49 | 15°41 | 28°37 | 25°21 | 17°39 | 22° 2 | 21°48 | 8°44 | 6°36 | T 10 |
| F 11 | 1 50 51 | 25°56'22 | 22° 1 | 19°29 | 3°21 | 22°48 | 2°47 | 15°37 | 28°40 | 25°19 | 17°38 | 22°D 2 | 21°44 | 8°50 | 6°35 | F 11 |
| S 12 | 1 54 48 | 26°56'21 | 6♌12 | 20°10 | 4°36 | 23°22 | 2°45 | 15°32 | 28°44 | 25°18 | 17°37 | 22° 2 | 21°41 | 8°57 | 6°33 | S 12 |
| S 13 | 1 58 44 | 27°56'22 | 20°28 | 20°47 | 5°51 | 23°56 | 2°43 | 15°28 | 28°47 | 25°16 | 17°36 | 22° 3 | 21°38 | 9° 4 | 6°32 | S 13 |
| M14 | 2 2 41 | 28°56'26 | 4♍44 | 21°17 | 7° 6 | 24°30 | 2°42 | 15°23 | 28°51 | 25°14 | 17°35 | 22° 3 | 21°35 | 9°10 | 6°30 | M14 |
| T 15 | 2 6 37 | 29°56'31 | 18°57 | 21°42 | 8°21 | 25° 4 | 2°40 | 15°18 | 28°54 | 25°13 | 17°34 | 22° 4 | 21°32 | 9°17 | 6°29 | T 15 |
| W16 | 2 10 34 | 0♏56'39 | 3♎ 5 | 22° 0 | 9°37 | 25°37 | 2°39 | 15°14 | 28°57 | 25°11 | 17°33 | 22° 4 | 21°29 | 9°24 | 6°27 | W16 |
| T 17 | 2 14 30 | 1°56'49 | 17° 4 | 22°10 | 10°52 | 26°11 | 2°39 | 15° 9 | 29° 1 | 25° 9 | 17°32 | 22°R 5 | 21°25 | 9°31 | 6°26 | T 17 |
| F 18 | 2 18 27 | 2°57'00 | 0♏49 | 22°R13 | 12° 7 | 26°44 | 2°38 | 15° 4 | 29° 4 | 25° 8 | 17°31 | 22° 5 | 21°22 | 9°37 | 6°25 | F 18 |
| S 19 | 2 22 23 | 3°57'14 | 14°19 | 22° 7 | 13°22 | 27°18 | 2°38 | 15° 0 | 29° 7 | 25° 6 | 17°30 | 22° 4 | 21°19 | 9°44 | 6°24 | S 19 |
| S 20 | 2 26 20 | 4°57'29 | 27°31 | 21°51 | 14°37 | 27°51 | 2°D37 | 14°55 | 29°11 | 25° 4 | 17°29 | 22° 3 | 21°16 | 9°51 | 6°23 | S 20 |
| M21 | 2 30 16 | 5°57'46 | 10♐25 | 21°26 | 15°52 | 28°24 | 2°37 | 14°50 | 29°14 | 25° 3 | 17°28 | 22° 1 | 21°13 | 9°57 | 6°22 | M21 |
| T 22 | 2 34 13 | 6°58'05 | 23° 1 | 20°51 | 17° 8 | 28°57 | 2°38 | 14°45 | 29°17 | 25° 1 | 17°27 | 21°59 | 21° 9 | 10° 4 | 6°21 | T 22 |
| W23 | 2 38 10 | 7°58'25 | 5♑21 | 20° 6 | 18°23 | 29°30 | 2°38 | 14°40 | 29°20 | 24°59 | 17°26 | 21°56 | 21° 6 | 10°11 | 6°20 | W23 |
| T 24 | 2 42 6 | 8°58'46 | 17°28 | 19°11 | 19°38 | 0♍ 2 | 2°39 | 14°35 | 29°23 | 24°58 | 17°24 | 21°55 | 21° 3 | 10°18 | 6°19 | T 24 |
| F 25 | 2 46 3 | 9°59'10 | 29°25 | 18° 8 | 20°53 | 0°35 | 2°40 | 14°30 | 29°26 | 24°56 | 17°23 | 21°53 | 21° 0 | 10°24 | 6°18 | F 25 |
| S 26 | 2 49 59 | 10°59'34 | 11♒18 | 16°58 | 22° 8 | 1° 8 | 2°41 | 14°26 | 29°30 | 24°55 | 17°22 | 21°D53 | 20°57 | 10°31 | 6°17 | S 26 |
| S 27 | 2 53 56 | 12° 0'00 | 23°11 | 15°41 | 23°23 | 1°40 | 2°42 | 14°21 | 29°33 | 24°53 | 17°21 | 21°53 | 20°54 | 10°38 | 6°16 | S 27 |
| M28 | 2 57 52 | 13° 0'27 | 5♓ 8 | 14°22 | 24°39 | 2°12 | 2°43 | 14°16 | 29°36 | 24°51 | 17°20 | 21°55 | 20°50 | 10°44 | 6°15 | M28 |
| T 29 | 3 1 49 | 14° 0'56 | 17°14 | 13° 1 | 25°54 | 2°44 | 2°45 | 14°11 | 29°39 | 24°50 | 17°19 | 21°56 | 20°47 | 10°51 | 6°15 | T 29 |
| W30 | 3 5 45 | 15° 1'26 | 29°35 | 11°42 | 27° 9 | 3°16 | 2°47 | 14° 6 | 29°42 | 24°48 | 17°18 | 21°58 | 20°44 | 10°58 | 6°14 | W30 |
| T 31 | 3 9 42 | 16♏ 1'57 | 12♈12 | 10♏27 | 28♏24 | 3♍48 | 2♓49 | 14♉ 1 | 29♍44 | 24♈47 | 17♉17 | 21♎59 | 20♎41 | 11♒ 5 | 6♓14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s18 | 4s45 | 3n35 | 17s 3 | 2s29 | 7s14 | 0n59 | 17n 6 | 1n23 | 11s42 | 1s27 | 14n21 | 2s31 | 1n25 | 0n42 | 8n12 | 1s52 | 3n19 | 14s25 | 8s37 | 8s42 | 13s36 | 4s12 | 5n11 |
| W 2 | 6 41 | 0 51 | 2 41 | 17 31 | 2 34 | 7 44 | 0 58 | 16 56 | 1 24 | 11 43 | 1 27 | 14 20 | 2 31 | 1 23 | 0 42 | 8 11 | 1 52 | 3 19 | 14 25 | 8 37 | 8 41 | 13 35 | 4 13 | 5 11 |
| T 3 | 7 4 | 3n 9 | 1 38 | 17 57 | 2 39 | 8 14 | 0 56 | 16 46 | 1 25 | 11 44 | 1 27 | 14 19 | 2 31 | 1 22 | 0 42 | 8 11 | 1 52 | 3 19 | 14 25 | 8 37 | 8 39 | 13 33 | 4 14 | 5 10 |
| F 4 | 7 27 | 7 5 | 0 29 | 18 22 | 2 43 | 8 43 | 0 54 | 16 35 | 1 25 | 11 45 | 1 27 | 14 18 | 2 31 | 1 20 | 0 42 | 8 10 | 1 52 | 3 18 | 14 26 | 8 37 | 8 38 | 13 32 | 4 15 | 5 10 |
| S 5 | 7 50 | 10 47 | 0s43 | 18 45 | 2 47 | 9 12 | 0 52 | 16 25 | 1 26 | 11 46 | 1 27 | 14 16 | 2 32 | 1 19 | 0 42 | 8 9 | 1 52 | 3 18 | 14 26 | 8 37 | 8 37 | 13 30 | 4 16 | 5 10 |
| S 6 | 8 12 | 14 0 | 1 54 | 19 7 | 2 50 | 9 41 | 0 50 | 16 15 | 1 27 | 11 47 | 1 27 | 14 15 | 2 32 | 1 18 | 0 42 | 8 9 | 1 52 | 3 18 | 14 26 | 8 37 | 8 36 | 13 29 | 4 17 | 5 10 |
| M 7 | 8 35 | 16 31 | 3 0 | 19 28 | 2 53 | 10 10 | 0 48 | 16 5 | 1 28 | 11 48 | 1 26 | 14 14 | 2 32 | 1 16 | 0 42 | 8 8 | 1 52 | 3 17 | 14 26 | 8 37 | 8 35 | 13 27 | 4 18 | 5 9 |
| T 8 | 8 57 | 18 9 | 3 56 | 19 46 | 2 56 | 10 38 | 0 46 | 15 54 | 1 28 | 11 49 | 1 26 | 14 13 | 2 32 | 1 15 | 0 42 | 8 7 | 1 52 | 3 17 | 14 26 | 8 37 | 8 34 | 13 26 | 4 18 | 5 9 |
| W 9 | 9 19 | 18 43 | 4 40 | 20 4 | 2 58 | 11 7 | 0 44 | 15 44 | 1 29 | 11 50 | 1 26 | 14 11 | 2 32 | 1 13 | 0 42 | 8 7 | 1 52 | 3 17 | 14 26 | 8 37 | 8 32 | 13 24 | 4 19 | 5 9 |
| T 10 | 9 41 | 18 10 | 5 8 | 20 19 | 2 59 | 11 35 | 0 42 | 15 34 | 1 30 | 11 50 | 1 26 | 14 10 | 2 32 | 1 12 | 0 42 | 8 6 | 1 52 | 3 16 | 14 26 | 8 37 | 8 31 | 13 23 | 4 20 | 5 9 |
| F 11 | 10 3 | 16 30 | 5 17 | 20 32 | 2 59 | 12 2 | 0 40 | 15 23 | 1 31 | 11 51 | 1 26 | 14 9 | 2 32 | 1 11 | 0 42 | 8 6 | 1 52 | 3 16 | 14 26 | 8 37 | 8 30 | 13 21 | 4 21 | 5 8 |
| S 12 | 10 25 | 13 49 | 5 8 | 20 43 | 2 59 | 12 30 | 0 38 | 15 13 | 1 31 | 11 51 | 1 25 | 14 7 | 2 32 | 1 9 | 0 42 | 8 5 | 1 52 | 3 15 | 14 26 | 8 37 | 8 29 | 13 20 | 4 22 | 5 8 |
| S 13 | 10 47 | 10 18 | 4 39 | 20 52 | 2 58 | 12 57 | 0 36 | 15 2 | 1 32 | 11 52 | 1 25 | 14 6 | 2 32 | 1 8 | 0 42 | 8 4 | 1 52 | 3 15 | 14 26 | 8 37 | 8 28 | 13 19 | 4 23 | 5 8 |
| M14 | 11 8 | 6 11 | 3 53 | 20 58 | 2 56 | 13 24 | 0 34 | 14 51 | 1 33 | 11 52 | 1 25 | 14 5 | 2 32 | 1 7 | 0 42 | 8 4 | 1 52 | 3 15 | 14 26 | 8 37 | 8 26 | 13 17 | 4 24 | 5 7 |
| T 15 | 11 29 | 1 43 | 2 54 | 21 2 | 2 53 | 13 50 | 0 32 | 14 41 | 1 34 | 11 52 | 1 25 | 14 3 | 2 32 | 1 5 | 0 42 | 8 3 | 1 52 | 3 14 | 14 27 | 8 37 | 8 25 | 13 16 | 4 24 | 5 7 |
| W16 | 11 50 | 2s49 | 1 43 | 21 2 | 2 49 | 14 16 | 0 29 | 14 30 | 1 34 | 11 53 | 1 25 | 14 2 | 2 32 | 1 4 | 0 42 | 8 3 | 1 52 | 3 14 | 14 27 | 8 37 | 8 24 | 13 14 | 4 25 | 5 7 |
| T 17 | 12 11 | 7 9 | 0 28 | 21 0 | 2 43 | 14 42 | 0 27 | 14 19 | 1 35 | 11 53 | 1 24 | 14 0 | 2 32 | 1 3 | 0 42 | 8 2 | 1 52 | 3 14 | 14 27 | 8 38 | 8 23 | 13 13 | 4 26 | 5 6 |
| F 18 | 12 32 | 11 3 | 0n48 | 20 54 | 2 36 | 15 8 | 0 25 | 14 9 | 1 36 | 11 53 | 1 24 | 13 59 | 2 32 | 1 1 | 0 42 | 8 1 | 1 52 | 3 13 | 14 27 | 8 38 | 8 22 | 13 11 | 4 27 | 5 6 |
| S 19 | 12 53 | 14 17 | 2 0 | 20 44 | 2 28 | 15 33 | 0 22 | 13 58 | 1 37 | 11 53 | 1 24 | 13 58 | 2 32 | 1 0 | 0 42 | 8 1 | 1 52 | 3 13 | 14 27 | 8 37 | 8 20 | 13 10 | 4 27 | 5 6 |
| S 20 | 13 13 | 16 41 | 3 4 | 20 30 | 2 18 | 15 57 | 0 20 | 13 47 | 1 38 | 11 52 | 1 24 | 13 56 | 2 32 | 0 59 | 0 42 | 8 0 | 1 52 | 3 13 | 14 27 | 8 37 | 8 19 | 13 8 | 4 28 | 5 5 |
| M21 | 13 33 | 18 11 | 3 57 | 20 12 | 2 6 | 16 22 | 0 18 | 13 36 | 1 38 | 11 52 | 1 24 | 13 55 | 2 32 | 0 57 | 0 42 | 8 0 | 1 52 | 3 12 | 14 27 | 8 36 | 8 18 | 13 7 | 4 29 | 5 5 |
| T 22 | 13 53 | 18 44 | 4 36 | 19 50 | 1 53 | 16 45 | 0 15 | 13 26 | 1 39 | 11 52 | 1 23 | 13 53 | 2 32 | 0 56 | 0 43 | 7 59 | 1 52 | 3 12 | 14 27 | 8 35 | 8 17 | 13 5 | 4 29 | 5 5 |
| W23 | 14 13 | 18 22 | 5 3 | 19 24 | 1 38 | 17 9 | 0 13 | 13 15 | 1 40 | 11 52 | 1 23 | 13 52 | 2 32 | 0 55 | 0 43 | 7 58 | 1 52 | 3 12 | 14 27 | 8 34 | 8 16 | 13 4 | 4 30 | 5 5 |
| T 24 | 14 32 | 17 10 | 5 15 | 18 53 | 1 21 | 17 32 | 0 11 | 13 4 | 1 41 | 11 51 | 1 23 | 13 51 | 2 32 | 0 54 | 0 43 | 7 58 | 1 52 | 3 12 | 14 27 | 8 34 | 8 14 | 13 2 | 4 31 | 5 4 |
| F 25 | 14 51 | 15 14 | 5 13 | 18 18 | 1 3 | 17 54 | 0 8 | 12 53 | 1 42 | 11 51 | 1 23 | 13 49 | 2 32 | 0 52 | 0 43 | 7 57 | 1 52 | 3 11 | 14 27 | 8 33 | 8 13 | 13 1 | 4 31 | 5 4 |
| S 26 | 15 10 | 12 40 | 4 58 | 17 39 | 0 44 | 18 16 | 0 6 | 12 42 | 1 42 | 11 50 | 1 22 | 13 48 | 2 32 | 0 51 | 0 43 | 7 57 | 1 52 | 3 11 | 14 27 | 8 33 | 8 12 | 12 59 | 4 32 | 5 4 |
| S 27 | 15 29 | 9 35 | 4 30 | 16 58 | 0 24 | 18 38 | 0 3 | 12 31 | 1 43 | 11 49 | 1 22 | 13 46 | 2 32 | 0 50 | 0 43 | 7 56 | 1 52 | 3 11 | 14 27 | 8 33 | 8 11 | 12 58 | 4 32 | 5 3 |
| M28 | 15 48 | 6 5 | 3 50 | 16 15 | 0 3 | 18 59 | 0 1 | 12 21 | 1 44 | 11 49 | 1 22 | 13 45 | 2 32 | 0 49 | 0 43 | 7 56 | 1 52 | 3 10 | 14 27 | 8 34 | 8 10 | 12 56 | 4 33 | 5 3 |
| T 29 | 16 6 | 2 18 | 3 0 | 15 31 | 0n18 | 19 19 | 0s 2 | 12 10 | 1 45 | 11 48 | 1 22 | 13 44 | 2 32 | 0 48 | 0 43 | 7 55 | 1 52 | 3 10 | 14 27 | 8 34 | 8 8 | 12 55 | 4 34 | 5 3 |
| W30 | 16 24 | 1n40 | 2 0 | 14 48 | 0 38 | 19 39 | 0 4 | 11 59 | 1 46 | 11 47 | 1 22 | 13 42 | 2 32 | 0 47 | 0 43 | 7 54 | 1 52 | 3 10 | 14 27 | 8 35 | 8 7 | 12 53 | 4 34 | 5 2 |
| T 31 | 16s41 | 5n40 | 0n54 | 14s 6 | 0n57 | 19s58 | 0s 7 | 11n48 | 1n47 | 11s46 | 1s21 | 13n41 | 2s32 | 0n45 | 0n43 | 7n54 | 1s52 | 3n 9 | 14s27 | 8s35 | 8s 6 | 12s52 | 4s35 | 5n 2 |

Julian Day Number = 2225741.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°06'58, Lahiri = 15°13'59 Julian Calendar 1 Oct. 1381 == Greg. Calendar 9 Oct. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## NOVEMBER 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 13 39 | 17♏ 2'30 | 25♈ 9 | 9°R19 | 29♏39 | 4♍20 | 2♓51 | 13°R56 | 29♍47 | 24°R45 | 17°R15 | 21°R59 | 20♎38 | 11♒11 | 6°R13 | F 1 |
| S 2 | 3 17 35 | 18° 3'04 | 8♉26 | 8♏19 | 0♐54 | 4°52 | 2°54 | 13♉51 | 29°50 | 24♈44 | 17♉14 | 21♎58 | 20°35 | 11°18 | 6♓13 | S 2 |
| S 3 | 3 21 32 | 19° 3'40 | 22° 2 | 7°30 | 2° 9 | 5°23 | 2°56 | 13°46 | 29°53 | 24°42 | 17°13 | 21°56 | 20°31 | 11°25 | 6°13 | S 3 |
| M 4 | 3 25 28 | 20° 4'17 | 5♊56 | 6°52 | 3°25 | 5°55 | 2°59 | 13°42 | 29°56 | 24°41 | 17°12 | 21°52 | 20°28 | 11°31 | 6°12 | M 4 |
| T 5 | 3 29 25 | 21° 4'56 | 20° 4 | 6°25 | 4°40 | 6°26 | 3° 2 | 13°37 | 29°58 | 24°39 | 17°11 | 21°48 | 20°25 | 11°38 | 6°12 | T 5 |
| W 6 | 3 33 21 | 22° 5'36 | 4♋20 | 6°10 | 5°55 | 6°57 | 3° 5 | 13°32 | 0♎ 1 | 24°38 | 17°10 | 21°43 | 20°22 | 11°45 | 6°12 | W 6 |
| T 7 | 3 37 18 | 23° 6'18 | 18°41 | 6°D 7 | 7°10 | 7°28 | 3° 9 | 13°27 | 0° 4 | 24°36 | 17° 9 | 21°39 | 20°19 | 11°52 | 6°12 | T 7 |
| F 8 | 3 41 14 | 24° 7'02 | 3♌ 1 | 6°14 | 8°25 | 7°59 | 3°13 | 13°22 | 0° 6 | 24°35 | 17° 8 | 21°36 | 20°15 | 11°58 | 6°12 | F 8 |
| S 9 | 3 45 11 | 25° 7'47 | 17°16 | 6°31 | 9°40 | 8°29 | 3°16 | 13°18 | 0° 9 | 24°33 | 17° 6 | 21°35 | 20°12 | 12° 5 | 6°D12 | S 9 |
| S 10 | 3 49 8 | 26° 8'34 | 1♍24 | 6°58 | 10°55 | 9° 0 | 3°20 | 13°13 | 0°11 | 24°32 | 17° 5 | 21°D34 | 20° 9 | 12°12 | 6°12 | S 10 |
| M11 | 3 53 4 | 27° 9'22 | 15°24 | 7°33 | 12°10 | 9°30 | 3°25 | 13° 8 | 0°14 | 24°31 | 17° 4 | 21°35 | 20° 6 | 12°18 | 6°12 | M11 |
| T 12 | 3 57 1 | 28°10'12 | 29°15 | 8°15 | 13°26 | 10° 1 | 3°29 | 13° 3 | 0°16 | 24°29 | 17° 3 | 21°37 | 20° 3 | 12°25 | 6°12 | T 12 |
| W13 | 4 0 57 | 29°11'04 | 12♎56 | 9° 3 | 14°41 | 10°31 | 3°34 | 12°59 | 0°19 | 24°28 | 17° 2 | 21°38 | 20° 0 | 12°32 | 6°12 | W13 |
| T 14 | 4 4 54 | 0♐11'56 | 26°26 | 9°58 | 15°56 | 11° 0 | 3°38 | 12°54 | 0°21 | 24°27 | 17° 1 | 21°R38 | 19°56 | 12°39 | 6°12 | T 14 |
| F 15 | 4 8 50 | 1°12'50 | 9♏46 | 10°57 | 17°11 | 11°30 | 3°43 | 12°50 | 0°23 | 24°25 | 17° 0 | 21°37 | 19°53 | 12°45 | 6°13 | F 15 |
| S 16 | 4 12 47 | 2°13'46 | 22°54 | 12° 1 | 18°26 | 12° 0 | 3°48 | 12°45 | 0°26 | 24°24 | 16°59 | 21°33 | 19°50 | 12°52 | 6°13 | S 16 |
| S 17 | 4 16 43 | 3°14'42 | 5♐49 | 13° 9 | 19°41 | 12°29 | 3°54 | 12°41 | 0°28 | 24°23 | 16°58 | 21°27 | 19°47 | 12°59 | 6°14 | S 17 |
| M18 | 4 20 40 | 4°15'40 | 18°31 | 14°20 | 20°56 | 12°58 | 3°59 | 12°36 | 0°30 | 24°22 | 16°57 | 21°20 | 19°44 | 13° 5 | 6°14 | M18 |
| T 19 | 4 24 37 | 5°16'39 | 1♑ 0 | 15°34 | 22°11 | 13°27 | 4° 5 | 12°32 | 0°32 | 24°21 | 16°55 | 21°12 | 19°41 | 13°12 | 6°15 | T 19 |
| W20 | 4 28 33 | 6°17'38 | 13°16 | 16°50 | 23°27 | 13°56 | 4°11 | 12°28 | 0°34 | 24°19 | 16°54 | 21° 3 | 19°37 | 13°19 | 6°15 | W20 |
| T 21 | 4 32 30 | 7°18'38 | 25°21 | 18° 9 | 24°42 | 14°25 | 4°17 | 12°24 | 0°36 | 24°18 | 16°53 | 20°55 | 19°34 | 13°26 | 6°16 | T 21 |
| F 22 | 4 36 26 | 8°19'39 | 7♒18 | 19°29 | 25°57 | 14°53 | 4°23 | 12°19 | 0°38 | 24°17 | 16°52 | 20°48 | 19°31 | 13°32 | 6°17 | F 22 |
| S 23 | 4 40 23 | 9°20'41 | 19° 9 | 20°51 | 27°12 | 15°21 | 4°29 | 12°15 | 0°40 | 24°16 | 16°51 | 20°44 | 19°28 | 13°39 | 6°18 | S 23 |
| S 24 | 4 44 19 | 10°21'43 | 0♓59 | 22°14 | 28°27 | 15°49 | 4°36 | 12°11 | 0°42 | 24°15 | 16°50 | 20°41 | 19°25 | 13°46 | 6°19 | S 24 |
| M25 | 4 48 16 | 11°22'46 | 12°54 | 23°38 | 29°42 | 16°17 | 4°43 | 12° 7 | 0°44 | 24°14 | 16°49 | 20°D41 | 19°21 | 13°52 | 6°19 | M25 |
| T 26 | 4 52 12 | 12°23'49 | 24°58 | 25° 3 | 0♑57 | 16°45 | 4°49 | 12° 3 | 0°46 | 24°13 | 16°48 | 20°41 | 19°18 | 13°59 | 6°20 | T 26 |
| W27 | 4 56 9 | 13°24'52 | 7♈16 | 26°30 | 2°12 | 17°12 | 4°57 | 12° 0 | 0°48 | 24°12 | 16°47 | 20°43 | 19°15 | 14° 6 | 6°21 | W27 |
| T 28 | 5 0 6 | 14°25'56 | 19°53 | 27°57 | 3°27 | 17°39 | 5° 4 | 11°56 | 0°49 | 24°11 | 16°46 | 20°R43 | 19°12 | 14°13 | 6°23 | T 28 |
| F 29 | 5 4 2 | 15°27'01 | 2♉54 | 29°24 | 4°42 | 18° 6 | 5°11 | 11°52 | 0°51 | 24°10 | 16°45 | 20°43 | 19° 9 | 14°19 | 6°24 | F 29 |
| S 30 | 5 7 59 | 16♐28'06 | 16♉20 | 0♐53 | 5♑57 | 18♍33 | 5♓19 | 11♉49 | 0♎52 | 24♈ 9 | 16♉44 | 20♎40 | 19♎ 6 | 14♒26 | 6♓25 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s59 | 9n30 | 0s17 | 13s28 | 1n15 | 20s17 | 0s 9 | 11n37 | 1n47 | 11s45 | 1s21 | 13n39 | 2s32 | 0n44 | 0n43 | 7n53 | 1s52 | 3n 9 | 14s27 | 8s36 | 8s 5 | 12s50 | 4s35 | 5n 2 |
| S 2 | 17 16 | 12 57 | 1 29 | 12 53 | 1 31 | 20 36 | 0 11 | 11 26 | 1 48 | 11 44 | 1 21 | 13 38 | 2 32 | 0 43 | 0 43 | 7 53 | 1 52 | 3 9 | 14 27 | 8 35 | 8 4 | 12 49 | 4 36 | 5 1 |
| S 3 | 17 33 | 15 48 | 2 37 | 12 24 | 1 45 | 20 53 | 0 14 | 11 15 | 1 49 | 11 43 | 1 21 | 13 37 | 2 32 | 0 42 | 0 43 | 7 52 | 1 51 | 3 9 | 14 27 | 8 34 | 8 2 | 12 47 | 4 36 | 5 1 |
| M 4 | 17 49 | 17 47 | 3 38 | 12 0 | 1 58 | 21 10 | 0 16 | 11 5 | 1 50 | 11 42 | 1 20 | 13 35 | 2 32 | 0 41 | 0 43 | 7 52 | 1 51 | 3 8 | 14 27 | 8 33 | 8 1 | 12 46 | 4 36 | 5 1 |
| T 5 | 18 5 | 18 43 | 4 26 | 11 41 | 2 8 | 21 27 | 0 19 | 10 54 | 1 51 | 11 40 | 1 20 | 13 34 | 2 32 | 0 40 | 0 43 | 7 51 | 1 51 | 3 8 | 14 27 | 8 31 | 8 0 | 12 44 | 4 37 | 5 0 |
| W 6 | 18 21 | 18 29 | 4 58 | 11 29 | 2 16 | 21 43 | 0 21 | 10 43 | 1 52 | 11 39 | 1 20 | 13 33 | 2 31 | 0 39 | 0 43 | 7 51 | 1 51 | 3 8 | 14 27 | 8 30 | 7 59 | 12 43 | 4 37 | 5 0 |
| T 7 | 18 37 | 17 4 | 5 12 | 11 21 | 2 23 | 21 58 | 0 24 | 10 32 | 1 53 | 11 37 | 1 20 | 13 31 | 2 31 | 0 38 | 0 43 | 7 50 | 1 51 | 3 8 | 14 27 | 8 28 | 7 58 | 12 41 | 4 38 | 5 0 |
| F 8 | 18 52 | 14 35 | 5 6 | 11 20 | 2 27 | 22 13 | 0 26 | 10 21 | 1 53 | 11 36 | 1 20 | 13 30 | 2 31 | 0 37 | 0 43 | 7 50 | 1 51 | 3 7 | 14 27 | 8 27 | 7 56 | 12 40 | 4 38 | 4 59 |
| S 9 | 19 7 | 11 14 | 4 42 | 11 22 | 2 30 | 22 27 | 0 29 | 10 11 | 1 54 | 11 34 | 1 19 | 13 29 | 2 31 | 0 36 | 0 43 | 7 49 | 1 51 | 3 7 | 14 26 | 8 26 | 7 55 | 12 38 | 4 38 | 4 59 |
| S 10 | 19 21 | 7 16 | 4 0 | 11 30 | 2 32 | 22 40 | 0 31 | 10 0 | 1 55 | 11 33 | 1 19 | 13 27 | 2 31 | 0 35 | 0 43 | 7 49 | 1 51 | 3 7 | 14 26 | 8 26 | 7 54 | 12 37 | 4 39 | 4 59 |
| M11 | 19 35 | 2 56 | 3 5 | 11 41 | 2 32 | 22 53 | 0 33 | 9 49 | 1 56 | 11 31 | 1 19 | 13 26 | 2 31 | 0 34 | 0 43 | 7 48 | 1 51 | 3 7 | 14 26 | 8 27 | 7 53 | 12 35 | 4 39 | 4 58 |
| T 12 | 19 49 | 1s31 | 1 59 | 11 55 | 2 31 | 23 5 | 0 36 | 9 39 | 1 57 | 11 29 | 1 19 | 13 25 | 2 31 | 0 33 | 0 43 | 7 48 | 1 51 | 3 7 | 14 26 | 8 27 | 7 52 | 12 34 | 4 39 | 4 58 |
| W13 | 20 2 | 5 51 | 0 47 | 12 13 | 2 29 | 23 16 | 0 38 | 9 28 | 1 58 | 11 27 | 1 18 | 13 24 | 2 31 | 0 32 | 0 43 | 7 47 | 1 51 | 3 6 | 14 26 | 8 28 | 7 50 | 12 32 | 4 39 | 4 57 |
| T 14 | 20 16 | 9 50 | 0n26 | 12 33 | 2 26 | 23 26 | 0 40 | 9 18 | 1 59 | 11 25 | 1 18 | 13 22 | 2 30 | 0 31 | 0 43 | 7 47 | 1 51 | 3 6 | 14 26 | 8 28 | 7 49 | 12 31 | 4 40 | 4 57 |
| F 15 | 20 28 | 13 15 | 1 37 | 12 55 | 2 22 | 23 36 | 0 43 | 9 7 | 2 0 | 11 23 | 1 18 | 13 21 | 2 30 | 0 30 | 0 43 | 7 46 | 1 51 | 3 6 | 14 26 | 8 27 | 7 48 | 12 29 | 4 40 | 4 57 |
| S 16 | 20 40 | 15 57 | 2 41 | 13 19 | 2 18 | 23 46 | 0 45 | 8 57 | 2 1 | 11 21 | 1 18 | 13 20 | 2 30 | 0 29 | 0 43 | 7 46 | 1 51 | 3 6 | 14 26 | 8 26 | 7 47 | 12 28 | 4 40 | 4 56 |
| S 17 | 20 52 | 17 48 | 3 36 | 13 44 | 2 13 | 23 54 | 0 47 | 8 46 | 2 2 | 11 19 | 1 18 | 13 19 | 2 30 | 0 28 | 0 43 | 7 46 | 1 51 | 3 6 | 14 26 | 8 24 | 7 46 | 12 26 | 4 40 | 4 56 |
| M18 | 21 4 | 18 43 | 4 19 | 14 10 | 2 7 | 24 2 | 0 50 | 8 36 | 2 3 | 11 17 | 1 17 | 13 18 | 2 30 | 0 28 | 0 43 | 7 45 | 1 51 | 3 5 | 14 26 | 8 21 | 7 44 | 12 24 | 4 40 | 4 56 |
| T 19 | 21 15 | 18 42 | 4 49 | 14 37 | 2 1 | 24 9 | 0 52 | 8 25 | 2 4 | 11 15 | 1 17 | 13 16 | 2 30 | 0 27 | 0 43 | 7 45 | 1 51 | 3 5 | 14 25 | 8 18 | 7 43 | 12 23 | 4 40 | 4 55 |
| W20 | 21 26 | 17 48 | 5 5 | 15 5 | 1 55 | 24 15 | 0 54 | 8 15 | 2 4 | 11 12 | 1 17 | 13 15 | 2 29 | 0 26 | 0 43 | 7 44 | 1 51 | 3 5 | 14 25 | 8 14 | 7 42 | 12 21 | 4 40 | 4 55 |
| T 21 | 21 36 | 16 6 | 5 7 | 15 33 | 1 48 | 24 21 | 0 56 | 8 5 | 2 5 | 11 10 | 1 17 | 13 14 | 2 29 | 0 25 | 0 43 | 7 44 | 1 51 | 3 5 | 14 25 | 8 11 | 7 41 | 12 20 | 4 40 | 4 55 |
| F 22 | 21 46 | 13 45 | 4 55 | 16 2 | 1 42 | 24 25 | 0 58 | 7 55 | 2 6 | 11 7 | 1 17 | 13 13 | 2 29 | 0 24 | 0 43 | 7 44 | 1 51 | 3 5 | 14 25 | 8 9 | 7 40 | 12 18 | 4 40 | 4 54 |
| S 23 | 21 55 | 10 50 | 4 31 | 16 30 | 1 35 | 24 29 | 1 0 | 7 45 | 2 7 | 11 5 | 1 16 | 13 12 | 2 29 | 0 24 | 0 43 | 7 43 | 1 51 | 3 5 | 14 25 | 8 7 | 7 38 | 12 17 | 4 40 | 4 54 |
| S 24 | 22 4 | 7 29 | 3 55 | 16 59 | 1 27 | 24 33 | 1 2 | 7 35 | 2 8 | 11 2 | 1 16 | 13 11 | 2 29 | 0 23 | 0 43 | 7 43 | 1 51 | 3 5 | 14 25 | 8 6 | 7 37 | 12 15 | 4 40 | 4 54 |
| M25 | 22 13 | 3 50 | 3 9 | 17 27 | 1 20 | 24 35 | 1 4 | 7 25 | 2 9 | 11 0 | 1 16 | 13 10 | 2 29 | 0 22 | 0 43 | 7 43 | 1 51 | 3 4 | 14 25 | 8 6 | 7 36 | 12 14 | 4 40 | 4 53 |
| T 26 | 22 21 | 0n 2 | 2 14 | 17 55 | 1 13 | 24 37 | 1 6 | 7 15 | 2 10 | 10 57 | 1 16 | 13 9 | 2 28 | 0 22 | 0 44 | 7 42 | 1 51 | 3 4 | 14 24 | 8 6 | 7 35 | 12 12 | 4 40 | 4 53 |
| W27 | 22 29 | 3 59 | 1 12 | 18 22 | 1 5 | 24 38 | 1 8 | 7 5 | 2 11 | 10 54 | 1 16 | 13 8 | 2 28 | 0 21 | 0 44 | 7 42 | 1 51 | 3 4 | 14 24 | 8 7 | 7 34 | 12 11 | 4 40 | 4 53 |
| T 28 | 22 36 | 7 52 | 0 4 | 18 50 | 0 58 | 24 38 | 1 10 | 6 55 | 2 12 | 10 51 | 1 15 | 13 7 | 2 28 | 0 20 | 0 44 | 7 42 | 1 51 | 3 4 | 14 24 | 8 7 | 7 32 | 12 9 | 4 40 | 4 52 |
| F 29 | 22 43 | 11 30 | 1s 5 | 19 16 | 0 50 | 24 38 | 1 12 | 6 46 | 2 13 | 10 48 | 1 15 | 13 6 | 2 28 | 0 20 | 0 44 | 7 41 | 1 50 | 3 4 | 14 24 | 8 7 | 7 31 | 12 8 | 4 40 | 4 52 |
| S 30 | 22s50 | 14n39 | 2s13 | 19s42 | 0n43 | 24s37 | 1s14 | 6n36 | 2n14 | 10s45 | 1s15 | 13n 5 | 2s28 | 0n19 | 0n44 | 7n41 | 1s50 | 3n 4 | 14s24 | 8s 6 | 7s30 | 12s 6 | 4s40 | 4n52 |

Julian Day Number = 2225772.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'03, Lahiri = 15°14'03 Julian Calendar 1 Nov. 1381 == Greg. Calendar 9 Nov. 1381


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# ASTRODIENST EPHEMERIS for the year 1381
# geocentric

## DECEMBER 1381 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 11 55 | 17♐29'12 | 0♊13 | 2♐21 | 7♑12 | 19♍ 0 | 5♓26 | 11°R45 | 0♎54 | 24°R 8 | 16°R43 | 20°R34 | 19♎ 2 | 14♒33 | 6♓26 | S 1 |
| M 2 | 5 15 52 | 18°30'18 | 14°29 | 3°51 | 8°27 | 19°26 | 5°34 | 11♉42 | 0°55 | 24♈ 8 | 16♉42 | 20♎27 | 18°59 | 14°39 | 6°28 | M 2 |
| T 3 | 5 19 48 | 19°31'24 | 29° 4 | 5°20 | 9°42 | 19°52 | 5°42 | 11°38 | 0°57 | 24° 7 | 16°41 | 20°17 | 18°56 | 14°46 | 6°29 | T 3 |
| W 4 | 5 23 45 | 20°32'31 | 13♋51 | 6°50 | 10°57 | 20°18 | 5°50 | 11°35 | 0°58 | 24° 6 | 16°41 | 20° 7 | 18°53 | 14°53 | 6°30 | W 4 |
| T 5 | 5 27 41 | 21°33'39 | 28°40 | 8°21 | 12°12 | 20°44 | 5°58 | 11°32 | 1° 0 | 24° 5 | 16°40 | 19°58 | 18°50 | 15° 0 | 6°32 | T 5 |
| F 6 | 5 31 38 | 22°34'47 | 13♌24 | 9°52 | 13°27 | 21° 9 | 6° 7 | 11°29 | 1° 1 | 24° 4 | 16°39 | 19°50 | 18°47 | 15° 6 | 6°33 | F 6 |
| S 7 | 5 35 35 | 23°35'56 | 27°56 | 11°23 | 14°42 | 21°34 | 6°15 | 11°26 | 1° 2 | 24° 4 | 16°38 | 19°45 | 18°43 | 15°13 | 6°35 | S 7 |
| S 8 | 5 39 31 | 24°37'05 | 12♍12 | 12°54 | 15°57 | 21°59 | 6°24 | 11°23 | 1° 3 | 24° 3 | 16°37 | 19°43 | 18°40 | 15°20 | 6°37 | S 8 |
| M 9 | 5 43 28 | 25°38'15 | 26°11 | 14°26 | 17°12 | 22°23 | 6°33 | 11°20 | 1° 4 | 24° 3 | 16°36 | 19°D42 | 18°37 | 15°26 | 6°38 | M 9 |
| T 10 | 5 47 24 | 26°39'26 | 9♎51 | 15°58 | 18°27 | 22°48 | 6°42 | 11°17 | 1° 5 | 24° 2 | 16°35 | 19°42 | 18°34 | 15°33 | 6°40 | T 10 |
| W11 | 5 51 21 | 27°40'37 | 23°16 | 17°30 | 19°42 | 23°12 | 6°51 | 11°15 | 1° 6 | 24° 1 | 16°35 | 19°R42 | 18°31 | 15°40 | 6°42 | W11 |
| T 12 | 5 55 17 | 28°41'48 | 6♏25 | 19° 3 | 20°57 | 23°35 | 7° 0 | 11°12 | 1° 7 | 24° 1 | 16°34 | 19°41 | 18°27 | 15°46 | 6°44 | T 12 |
| F 13 | 5 59 14 | 29°43'00 | 19°23 | 20°36 | 22°11 | 23°59 | 7°10 | 11°10 | 1° 8 | 24° 0 | 16°33 | 19°37 | 18°24 | 15°53 | 6°46 | F 13 |
| S 14 | 6 3 10 | 0♑44'13 | 2♐ 9 | 22° 9 | 23°26 | 24°22 | 7°19 | 11° 8 | 1° 9 | 24° 0 | 16°32 | 19°31 | 18°21 | 16° 0 | 6°47 | S 14 |
| S 15 | 6 7 7 | 1°45'25 | 14°45 | 23°42 | 24°41 | 24°44 | 7°29 | 11° 5 | 1°10 | 24° 0 | 16°31 | 19°21 | 18°18 | 16° 7 | 6°49 | S 15 |
| M16 | 6 11 4 | 2°46'38 | 27°11 | 25°16 | 25°56 | 25° 7 | 7°39 | 11° 3 | 1°10 | 23°59 | 16°31 | 19° 9 | 18°15 | 16°13 | 6°52 | M16 |
| T 17 | 6 15 0 | 3°47'51 | 9♑28 | 26°50 | 27°11 | 25°29 | 7°48 | 11° 1 | 1°11 | 23°59 | 16°30 | 18°55 | 18°12 | 16°20 | 6°54 | T 17 |
| W18 | 6 18 57 | 4°49'03 | 21°36 | 28°25 | 28°26 | 25°51 | 7°58 | 10°59 | 1°12 | 23°58 | 16°29 | 18°41 | 18° 8 | 16°27 | 6°56 | W18 |
| T 19 | 6 22 53 | 5°50'15 | 3♒36 | 29°59 | 29°40 | 26°12 | 8° 9 | 10°58 | 1°12 | 23°58 | 16°29 | 18°27 | 18° 5 | 16°33 | 6°58 | T 19 |
| F 20 | 6 26 50 | 6°51'28 | 15°30 | 1♑35 | 0♒55 | 26°33 | 8°19 | 10°56 | 1°13 | 23°58 | 16°28 | 18°15 | 18° 2 | 16°40 | 7° 0 | F 20 |
| S 21 | 6 30 46 | 7°52'39 | 27°20 | 3°10 | 2°10 | 26°54 | 8°29 | 10°54 | 1°13 | 23°58 | 16°27 | 18° 6 | 17°59 | 16°47 | 7° 2 | S 21 |
| S 22 | 6 34 43 | 8°53'51 | 9♓ 8 | 4°46 | 3°25 | 27°15 | 8°40 | 10°53 | 1°14 | 23°58 | 16°27 | 18° 0 | 17°56 | 16°54 | 7° 5 | S 22 |
| M23 | 6 38 40 | 9°55'01 | 21° 0 | 6°23 | 4°39 | 27°35 | 8°50 | 10°52 | 1°14 | 23°57 | 16°26 | 17°56 | 17°53 | 17° 0 | 7° 7 | M23 |
| T 24 | 6 42 36 | 10°56'12 | 3♈ 0 | 8° 0 | 5°54 | 27°54 | 9° 1 | 10°50 | 1°14 | 23°57 | 16°25 | 17°55 | 17°49 | 17° 7 | 7°10 | T 24 |
| W25 | 6 46 33 | 11°57'21 | 15°14 | 9°37 | 7° 9 | 28°14 | 9°12 | 10°49 | 1°14 | 23°57 | 16°25 | 17°55 | 17°46 | 17°14 | 7°12 | W25 |
| T 26 | 6 50 29 | 12°58'30 | 27°46 | 11°15 | 8°23 | 28°32 | 9°23 | 10°48 | 1°15 | 23°57 | 16°24 | 17°55 | 17°43 | 17°20 | 7°15 | T 26 |
| F 27 | 6 54 26 | 13°59'39 | 10♉42 | 12°53 | 9°38 | 28°51 | 9°34 | 10°47 | 1°15 | 23°D57 | 16°24 | 17°53 | 17°40 | 17°27 | 7°17 | F 27 |
| S 28 | 6 58 22 | 15° 0'47 | 24° 6 | 14°32 | 10°52 | 29° 9 | 9°45 | 10°46 | 1°R15 | 23°57 | 16°23 | 17°49 | 17°37 | 17°34 | 7°20 | S 28 |
| S 29 | 7 2 19 | 16° 1'54 | 8♊ 0 | 16°11 | 12° 7 | 29°27 | 9°56 | 10°46 | 1°15 | 23°57 | 16°23 | 17°43 | 17°33 | 17°40 | 7°22 | S 29 |
| M30 | 7 6 15 | 17° 3'00 | 22°24 | 17°51 | 13°22 | 29°44 | 10° 8 | 10°45 | 1°15 | 23°57 | 16°22 | 17°34 | 17°30 | 17°47 | 7°25 | M30 |
| T 31 | 7 10 12 | 18♑ 4'06 | 7♋12 | 19♑31 | 14♒36 | 0♎ 1 | 10♓19 | 10♉45 | 1♎14 | 23♈57 | 16♉22 | 17♎23 | 17♎27 | 17♒54 | 7♓28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s56 | 17n 5 | 3s15 | 20s 7 | 0n36 | 24s34 | 1s15 | 6n26 | 2n15 | 10s42 | 1s15 | 13n 4 | 2s27 | 0n19 | 0n44 | 7n41 | 1s50 | 3n 4 | 14s24 | 8s 4 | 7s29 | 12s 4 | 4s40 | 4n51 |
| M 2 | 23 1 | 18 32 | 4 7 | 20 32 | 0 28 | 24 32 | 1 17 | 6 17 | 2 16 | 10 39 | 1 15 | 13 4 | 2 27 | 0 18 | 0 44 | 7 41 | 1 50 | 3 4 | 14 23 | 8 1 | 7 28 | 12 3 | 4 40 | 4 51 |
| T 3 | 23 6 | 18 47 | 4 44 | 20 55 | 0 21 | 24 28 | 1 19 | 6 8 | 2 17 | 10 36 | 1 14 | 13 3 | 2 27 | 0 17 | 0 44 | 7 40 | 1 50 | 3 4 | 14 23 | 7 57 | 7 26 | 12 1 | 4 39 | 4 51 |
| W 4 | 23 11 | 17 47 | 5 2 | 21 18 | 0 13 | 24 24 | 1 20 | 5 58 | 2 18 | 10 33 | 1 14 | 13 2 | 2 27 | 0 17 | 0 44 | 7 40 | 1 50 | 3 4 | 14 23 | 7 53 | 7 25 | 12 0 | 4 39 | 4 50 |
| T 5 | 23 15 | 15 35 | 5 0 | 21 40 | 0 6 | 24 19 | 1 22 | 5 49 | 2 19 | 10 30 | 1 14 | 13 1 | 2 26 | 0 16 | 0 44 | 7 40 | 1 50 | 3 4 | 14 23 | 7 50 | 7 24 | 11 58 | 4 39 | 4 50 |
| F 6 | 23 19 | 12 24 | 4 39 | 22 1 | 0s 1 | 24 13 | 1 23 | 5 40 | 2 21 | 10 27 | 1 14 | 13 1 | 2 26 | 0 16 | 0 44 | 7 40 | 1 50 | 3 4 | 14 23 | 7 47 | 7 23 | 11 57 | 4 39 | 4 50 |
| S 7 | 23 22 | 8 29 | 3 59 | 22 21 | 0 8 | 24 6 | 1 25 | 5 31 | 2 22 | 10 23 | 1 14 | 13 0 | 2 26 | 0 16 | 0 44 | 7 39 | 1 50 | 3 4 | 14 22 | 7 45 | 7 22 | 11 55 | 4 38 | 4 49 |
| S 8 | 23 24 | 4 9 | 3 6 | 22 40 | 0 15 | 23 59 | 1 26 | 5 22 | 2 23 | 10 20 | 1 14 | 12 59 | 2 26 | 0 15 | 0 44 | 7 39 | 1 50 | 3 4 | 14 22 | 7 44 | 7 20 | 11 54 | 4 38 | 4 49 |
| M 9 | 23 27 | 0s20 | 2 2 | 22 58 | 0 22 | 23 51 | 1 27 | 5 14 | 2 24 | 10 16 | 1 13 | 12 59 | 2 25 | 0 15 | 0 44 | 7 39 | 1 50 | 3 3 | 14 22 | 7 44 | 7 19 | 11 52 | 4 38 | 4 49 |
| T 10 | 23 28 | 4 43 | 0 52 | 23 15 | 0 28 | 23 42 | 1 29 | 5 5 | 2 25 | 10 13 | 1 13 | 12 58 | 2 25 | 0 14 | 0 44 | 7 39 | 1 50 | 3 3 | 14 22 | 7 44 | 7 18 | 11 50 | 4 37 | 4 49 |
| W11 | 23 30 | 8 46 | 0n19 | 23 31 | 0 35 | 23 33 | 1 30 | 4 57 | 2 26 | 10 9 | 1 13 | 12 57 | 2 25 | 0 14 | 0 44 | 7 39 | 1 50 | 3 3 | 14 22 | 7 44 | 7 17 | 11 49 | 4 37 | 4 48 |
| T 12 | 23 31 | 12 20 | 1 28 | 23 45 | 0 41 | 23 23 | 1 31 | 4 48 | 2 27 | 10 6 | 1 13 | 12 57 | 2 25 | 0 14 | 0 44 | 7 39 | 1 50 | 3 3 | 14 21 | 7 43 | 7 15 | 11 47 | 4 37 | 4 48 |
| F 13 | 23 31 | 15 13 | 2 31 | 23 58 | 0 48 | 23 12 | 1 32 | 4 40 | 2 28 | 10 2 | 1 13 | 12 56 | 2 24 | 0 13 | 0 44 | 7 39 | 1 50 | 3 4 | 14 21 | 7 42 | 7 14 | 11 46 | 4 36 | 4 48 |
| S 14 | 23 31 | 17 19 | 3 25 | 24 11 | 0 54 | 23 0 | 1 33 | 4 32 | 2 29 | 9 58 | 1 12 | 12 56 | 2 24 | 0 13 | 0 44 | 7 38 | 1 50 | 3 4 | 14 21 | 7 40 | 7 13 | 11 44 | 4 36 | 4 47 |
| S 15 | 23 30 | 18 32 | 4 8 | 24 22 | 1 0 | 22 48 | 1 34 | 4 24 | 2 30 | 9 55 | 1 12 | 12 56 | 2 24 | 0 13 | 0 44 | 7 38 | 1 50 | 3 4 | 14 21 | 7 36 | 7 12 | 11 43 | 4 35 | 4 47 |
| M16 | 23 29 | 18 50 | 4 39 | 24 31 | 1 5 | 22 35 | 1 35 | 4 16 | 2 32 | 9 51 | 1 12 | 12 55 | 2 24 | 0 12 | 0 44 | 7 38 | 1 50 | 3 4 | 14 20 | 7 31 | 7 11 | 11 41 | 4 35 | 4 47 |
| T 17 | 23 28 | 18 15 | 4 56 | 24 40 | 1 11 | 22 21 | 1 36 | 4 8 | 2 33 | 9 47 | 1 12 | 12 55 | 2 23 | 0 12 | 0 44 | 7 38 | 1 49 | 3 4 | 14 20 | 7 26 | 7 9 | 11 39 | 4 34 | 4 46 |
| W18 | 23 26 | 16 50 | 5 0 | 24 47 | 1 16 | 22 7 | 1 36 | 4 0 | 2 34 | 9 43 | 1 12 | 12 54 | 2 23 | 0 12 | 0 44 | 7 38 | 1 49 | 3 4 | 14 20 | 7 20 | 7 8 | 11 38 | 4 34 | 4 46 |
| T 19 | 23 23 | 14 42 | 4 50 | 24 52 | 1 21 | 21 52 | 1 37 | 3 53 | 2 35 | 9 39 | 1 12 | 12 54 | 2 23 | 0 12 | 0 44 | 7 38 | 1 49 | 3 4 | 14 20 | 7 15 | 7 7 | 11 36 | 4 33 | 4 46 |
| F 20 | 23 20 | 11 59 | 4 28 | 24 57 | 1 26 | 21 36 | 1 38 | 3 46 | 2 36 | 9 35 | 1 12 | 12 54 | 2 22 | 0 12 | 0 44 | 7 38 | 1 49 | 3 4 | 14 19 | 7 11 | 7 6 | 11 35 | 4 33 | 4 46 |
| S 21 | 23 17 | 8 47 | 3 54 | 25 0 | 1 31 | 21 20 | 1 38 | 3 38 | 2 37 | 9 31 | 1 11 | 12 54 | 2 22 | 0 12 | 0 44 | 7 38 | 1 49 | 3 4 | 14 19 | 7 7 | 7 5 | 11 33 | 4 32 | 4 45 |
| S 22 | 23 13 | 5 14 | 3 10 | 25 1 | 1 35 | 21 3 | 1 39 | 3 31 | 2 38 | 9 27 | 1 11 | 12 54 | 2 22 | 0 11 | 0 44 | 7 38 | 1 49 | 3 4 | 14 19 | 7 5 | 7 3 | 11 32 | 4 32 | 4 45 |
| M23 | 23 9 | 1 29 | 2 17 | 25 1 | 1 39 | 20 46 | 1 39 | 3 24 | 2 40 | 9 23 | 1 11 | 12 53 | 2 22 | 0 11 | 0 45 | 7 38 | 1 49 | 3 4 | 14 19 | 7 4 | 7 2 | 11 30 | 4 31 | 4 45 |
| T 24 | 23 4 | 2n23 | 1 18 | 25 0 | 1 43 | 20 28 | 1 39 | 3 18 | 2 41 | 9 19 | 1 11 | 12 53 | 2 21 | 0 11 | 0 45 | 7 38 | 1 49 | 3 4 | 14 18 | 7 3 | 7 1 | 11 28 | 4 30 | 4 44 |
| W25 | 22 59 | 6 14 | 0 14 | 24 57 | 1 47 | 20 9 | 1 40 | 3 11 | 2 42 | 9 14 | 1 11 | 12 53 | 2 21 | 0 11 | 0 45 | 7 38 | 1 49 | 3 4 | 14 18 | 7 3 | 7 0 | 11 27 | 4 30 | 4 44 |
| T 26 | 22 53 | 9 54 | 0s52 | 24 52 | 1 50 | 19 50 | 1 40 | 3 5 | 2 43 | 9 10 | 1 11 | 12 53 | 2 21 | 0 11 | 0 45 | 7 38 | 1 49 | 3 4 | 14 18 | 7 3 | 6 58 | 11 25 | 4 29 | 4 44 |
| F 27 | 22 47 | 13 13 | 1 57 | 24 46 | 1 53 | 19 30 | 1 40 | 2 58 | 2 45 | 9 6 | 1 10 | 12 53 | 2 20 | 0 11 | 0 45 | 7 38 | 1 49 | 3 5 | 14 17 | 7 2 | 6 57 | 11 24 | 4 28 | 4 44 |
| S 28 | 22 40 | 15 58 | 2 59 | 24 39 | 1 56 | 19 10 | 1 40 | 2 52 | 2 46 | 9 1 | 1 10 | 12 53 | 2 20 | 0 11 | 0 45 | 7 38 | 1 49 | 3 5 | 14 17 | 7 1 | 6 56 | 11 22 | 4 28 | 4 43 |
| S 29 | 22 33 | 17 54 | 3 52 | 24 29 | 1 58 | 18 49 | 1 40 | 2 46 | 2 47 | 8 57 | 1 10 | 12 53 | 2 20 | 0 11 | 0 45 | 7 38 | 1 49 | 3 5 | 14 17 | 6 58 | 6 55 | 11 20 | 4 27 | 4 43 |
| M30 | 22 26 | 18 46 | 4 32 | 24 19 | 2 0 | 18 27 | 1 40 | 2 41 | 2 48 | 8 53 | 1 10 | 12 53 | 2 19 | 0 11 | 0 45 | 7 38 | 1 49 | 3 5 | 14 17 | 6 55 | 6 54 | 11 19 | 4 26 | 4 43 |
| T 31 | 22s18 | 18n24 | 4s55 | 24s 6 | 2s 2 | 18s 5 | 1s40 | 2n35 | 2n49 | 8s48 | 1s10 | 12n54 | 2s19 | 0n11 | 0n45 | 7n38 | 1s49 | 3n 5 | 14s16 | 6s51 | 6s52 | 11s17 | 4s25 | 4n43 |

Julian Day Number = 2225802.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'07, Lahiri = 15°14'07 Julian Calendar 1 Dec. 1381 == Greg. Calendar 9 Dec. 1381


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## JANUARY 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 14 9 | 19♉ 5'11 | 22♋18 | 21♉12 | 15♒50 | 0♎17 | 10♓31 | 10°R44 | 1°R14 | 23♈58 | 16°R21 | 17°R11 | 17♎24 | 18♒ 1 | 7♓30 | W 1 |
| T 2 | 7 18 5 | 20° 6'15 | 7♌30 | 22°53 | 17° 5 | 0°33 | 10°42 | 10♉44 | 1♎14 | 23°58 | 16♉21 | 16♎59 | 17°21 | 18° 7 | 7°33 | T 2 |
| F 3 | 7 22 2 | 21° 7'19 | 22°39 | 24°35 | 18°19 | 0°49 | 10°54 | 10°44 | 1°14 | 23°58 | 16°20 | 16°50 | 17°18 | 18°14 | 7°36 | F 3 |
| S 4 | 7 25 58 | 22° 8'23 | 7♍34 | 26°17 | 19°34 | 1° 4 | 11° 6 | 10°D44 | 1°13 | 23°58 | 16°20 | 16°43 | 17°14 | 18°21 | 7°39 | S 4 |
| S 5 | 7 29 55 | 23° 9'25 | 22° 8 | 28° 0 | 20°48 | 1°18 | 11°18 | 10°44 | 1°13 | 23°59 | 16°20 | 16°39 | 17°11 | 18°27 | 7°42 | S 5 |
| M 6 | 7 33 51 | 24°10'28 | 6♎18 | 29°44 | 22° 2 | 1°32 | 11°30 | 10°44 | 1°12 | 23°59 | 16°19 | 16°37 | 17° 8 | 18°34 | 7°45 | M 6 |
| T 7 | 7 37 48 | 25°11'29 | 20° 3 | 1♒27 | 23°17 | 1°46 | 11°42 | 10°45 | 1°12 | 23°59 | 16°19 | 16°37 | 17° 5 | 18°41 | 7°48 | T 7 |
| W 8 | 7 41 44 | 26°12'31 | 3♏26 | 3°11 | 24°31 | 1°59 | 11°54 | 10°45 | 1°11 | 24° 0 | 16°19 | 16°37 | 17° 2 | 18°48 | 7°51 | W 8 |
| T 9 | 7 45 41 | 27°13'31 | 16°28 | 4°56 | 25°45 | 2°11 | 12° 6 | 10°46 | 1°11 | 24° 0 | 16°18 | 16°36 | 16°58 | 18°54 | 7°54 | T 9 |
| F 10 | 7 49 38 | 28°14'31 | 29°13 | 6°40 | 26°59 | 2°23 | 12°19 | 10°46 | 1°10 | 24° 1 | 16°18 | 16°32 | 16°55 | 19° 1 | 7°57 | F 10 |
| S 11 | 7 53 34 | 29°15'31 | 11♐45 | 8°25 | 28°13 | 2°34 | 12°31 | 10°47 | 1° 9 | 24° 1 | 16°18 | 16°25 | 16°52 | 19° 8 | 8° 0 | S 11 |
| S 12 | 7 57 31 | 0♒16'30 | 24° 5 | 10°10 | 29°27 | 2°45 | 12°44 | 10°48 | 1° 8 | 24° 2 | 16°18 | 16°16 | 16°49 | 19°14 | 8° 3 | S 12 |
| M13 | 8 1 27 | 1°17'27 | 6♉17 | 11°55 | 0♓41 | 2°55 | 12°56 | 10°49 | 1° 8 | 24° 2 | 16°17 | 16° 4 | 16°46 | 19°21 | 8° 6 | M13 |
| T 14 | 8 5 24 | 2°18'24 | 18°22 | 13°40 | 1°55 | 3° 5 | 13° 9 | 10°50 | 1° 7 | 24° 3 | 16°17 | 15°50 | 16°43 | 19°28 | 8° 9 | T 14 |
| W15 | 8 9 20 | 3°19'20 | 0♒22 | 15°24 | 3° 9 | 3°14 | 13°21 | 10°52 | 1° 6 | 24° 4 | 16°17 | 15°36 | 16°39 | 19°34 | 8°13 | W15 |
| T 16 | 8 13 17 | 4°20'15 | 12°16 | 17° 8 | 4°23 | 3°23 | 13°34 | 10°53 | 1° 5 | 24° 4 | 16°17 | 15°22 | 16°36 | 19°41 | 8°16 | T 16 |
| F 17 | 8 17 13 | 5°21'08 | 24° 7 | 18°50 | 5°37 | 3°30 | 13°47 | 10°54 | 1° 4 | 24° 5 | 16°17 | 15°11 | 16°33 | 19°48 | 8°19 | F 17 |
| S 18 | 8 21 10 | 6°22'01 | 5♓56 | 20°32 | 6°51 | 3°38 | 14° 0 | 10°56 | 1° 3 | 24° 6 | 16°17 | 15° 1 | 16°30 | 19°55 | 8°23 | S 18 |
| S 19 | 8 25 7 | 7°22'51 | 17°46 | 22°12 | 8° 5 | 3°44 | 14°13 | 10°58 | 1° 1 | 24° 6 | 16°17 | 14°55 | 16°27 | 20° 1 | 8°26 | S 19 |
| M20 | 8 29 3 | 8°23'41 | 29°39 | 23°50 | 9°19 | 3°50 | 14°26 | 10°59 | 1° 0 | 24° 7 | 16°17 | 14°51 | 16°24 | 20° 8 | 8°29 | M20 |
| T 21 | 8 33 0 | 9°24'29 | 11♈39 | 25°25 | 10°32 | 3°55 | 14°39 | 11° 1 | 0°59 | 24° 8 | 16°17 | 14°D50 | 16°20 | 20°15 | 8°33 | T 21 |
| W22 | 8 36 56 | 10°25'15 | 23°51 | 26°58 | 11°46 | 4° 0 | 14°53 | 11° 3 | 0°58 | 24° 9 | 16°D17 | 14°50 | 16°17 | 20°21 | 8°36 | W22 |
| T 23 | 8 40 53 | 11°26'00 | 6♉20 | 28°27 | 13° 0 | 4° 4 | 15° 6 | 11° 6 | 0°56 | 24°10 | 16°17 | 14°R51 | 16°14 | 20°28 | 8°40 | T 23 |
| F 24 | 8 44 49 | 12°26'44 | 19°10 | 29°52 | 14°13 | 4° 7 | 15°19 | 11° 8 | 0°55 | 24°11 | 16°17 | 14°51 | 16°11 | 20°35 | 8°43 | F 24 |
| S 25 | 8 48 46 | 13°27'25 | 2♊26 | 1♓12 | 15°27 | 4° 9 | 15°32 | 11°10 | 0°54 | 24°12 | 16°17 | 14°49 | 16° 8 | 20°41 | 8°46 | S 25 |
| S 26 | 8 52 42 | 14°28'05 | 16°11 | 2°27 | 16°40 | 4°11 | 15°46 | 11°13 | 0°52 | 24°13 | 16°17 | 14°45 | 16° 4 | 20°48 | 8°50 | S 26 |
| M27 | 8 56 39 | 15°28'44 | 0♋27 | 3°35 | 17°53 | 4°12 | 15°59 | 11°15 | 0°50 | 24°14 | 16°17 | 14°38 | 16° 1 | 20°55 | 8°53 | M27 |
| T 28 | 9 0 36 | 16°29'20 | 15°10 | 4°37 | 19° 7 | 4°R13 | 16°13 | 11°18 | 0°49 | 24°15 | 16°17 | 14°30 | 15°58 | 21° 2 | 8°57 | T 28 |
| W29 | 9 4 32 | 17°29'55 | 0♌15 | 5°31 | 20°20 | 4°12 | 16°27 | 11°21 | 0°47 | 24°16 | 16°17 | 14°21 | 15°55 | 21° 8 | 9° 1 | W29 |
| T 30 | 9 8 29 | 18°30'28 | 15°34 | 6°16 | 21°33 | 4°11 | 16°40 | 11°23 | 0°46 | 24°17 | 16°17 | 14°13 | 15°52 | 21°15 | 9° 4 | T 30 |
| F 31 | 9 12 25 | 19♒31'00 | 0♍53 | 6♓53 | 22♓46 | 4♎ 9 | 16♓54 | 11♉26 | 0♎44 | 24♈18 | 16♉18 | 14♎ 5 | 15♎49 | 21♒22 | 9♓ 8 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s 9 | 16n45 | 4s59 | 23s52 | 2s 3 | 17s43 | 1s39 | 2n30 | 2n51 | 8s44 | 1s10 | 12n54 | 2s19 | 0n12 | 0n45 | 7n39 | 1s49 | 3n 5 | 14s16 | 6s46 | 6s51 | 11s16 | 4s25 | 4n42 |
| T 2 | 22 0 | 13 55 | 4 41 | 23 37 | 2 4 | 17 20 | 1 39 | 2 24 | 2 52 | 8 39 | 1 10 | 12 54 | 2 19 | 0 12 | 0 45 | 7 39 | 1 49 | 3 5 | 14 16 | 6 42 | 6 50 | 11 14 | 4 24 | 4 42 |
| F 3 | 21 51 | 10 10 | 4 4 | 23 19 | 2 5 | 16 57 | 1 38 | 2 19 | 2 53 | 8 34 | 1 10 | 12 54 | 2 18 | 0 12 | 0 45 | 7 39 | 1 48 | 3 6 | 14 15 | 6 38 | 6 49 | 11 13 | 4 23 | 4 42 |
| S 4 | 21 41 | 5 49 | 3 11 | 23 0 | 2 5 | 16 33 | 1 38 | 2 15 | 2 55 | 8 30 | 1 9 | 12 54 | 2 18 | 0 12 | 0 45 | 7 39 | 1 48 | 3 6 | 14 15 | 6 35 | 6 47 | 11 11 | 4 22 | 4 42 |
| S 5 | 21 31 | 1 13 | 2 6 | 22 40 | 2 4 | 16 9 | 1 37 | 2 10 | 2 56 | 8 25 | 1 9 | 12 55 | 2 18 | 0 12 | 0 45 | 7 39 | 1 48 | 3 6 | 14 15 | 6 34 | 6 46 | 11 9 | 4 21 | 4 41 |
| M 6 | 21 21 | 3s20 | 0 54 | 22 17 | 2 4 | 15 44 | 1 37 | 2 6 | 2 57 | 8 20 | 1 9 | 12 55 | 2 17 | 0 12 | 0 45 | 7 39 | 1 48 | 3 6 | 14 14 | 6 33 | 6 45 | 11 8 | 4 21 | 4 41 |
| T 7 | 21 10 | 7 35 | 0n18 | 21 53 | 2 2 | 15 19 | 1 36 | 2 1 | 2 58 | 8 16 | 1 9 | 12 56 | 2 17 | 0 13 | 0 45 | 7 40 | 1 48 | 3 6 | 14 14 | 6 33 | 6 44 | 11 6 | 4 20 | 4 41 |
| W 8 | 20 59 | 11 19 | 1 28 | 21 28 | 2 0 | 14 53 | 1 35 | 1 57 | 3 0 | 8 11 | 1 9 | 12 56 | 2 17 | 0 13 | 0 45 | 7 40 | 1 48 | 3 7 | 14 14 | 6 33 | 6 43 | 11 5 | 4 19 | 4 41 |
| T 9 | 20 47 | 14 24 | 2 31 | 21 0 | 1 58 | 14 27 | 1 34 | 1 54 | 3 1 | 8 6 | 1 9 | 12 56 | 2 16 | 0 13 | 0 45 | 7 40 | 1 48 | 3 7 | 14 14 | 6 33 | 6 41 | 11 3 | 4 18 | 4 40 |
| F 10 | 20 35 | 16 43 | 3 25 | 20 31 | 1 55 | 14 1 | 1 33 | 1 50 | 3 2 | 8 1 | 1 9 | 12 57 | 2 16 | 0 14 | 0 45 | 7 40 | 1 48 | 3 7 | 14 13 | 6 31 | 6 40 | 11 1 | 4 17 | 4 40 |
| S 11 | 20 22 | 18 10 | 4 8 | 20 1 | 1 51 | 13 34 | 1 32 | 1 47 | 3 4 | 7 56 | 1 9 | 12 57 | 2 16 | 0 14 | 0 45 | 7 40 | 1 48 | 3 7 | 14 13 | 6 29 | 6 39 | 11 0 | 4 16 | 4 40 |
| S 12 | 20 9 | 18 45 | 4 39 | 19 28 | 1 47 | 13 7 | 1 31 | 1 44 | 3 5 | 7 52 | 1 9 | 12 58 | 2 16 | 0 14 | 0 45 | 7 41 | 1 48 | 3 8 | 14 13 | 6 25 | 6 38 | 10 58 | 4 15 | 4 40 |
| M13 | 19 56 | 18 26 | 4 56 | 18 55 | 1 43 | 12 40 | 1 30 | 1 41 | 3 6 | 7 47 | 1 8 | 12 59 | 2 15 | 0 15 | 0 45 | 7 41 | 1 48 | 3 8 | 14 12 | 6 20 | 6 37 | 10 57 | 4 14 | 4 40 |
| T 14 | 19 43 | 17 18 | 5 0 | 18 20 | 1 37 | 12 12 | 1 29 | 1 38 | 3 7 | 7 42 | 1 8 | 12 59 | 2 15 | 0 15 | 0 45 | 7 41 | 1 48 | 3 8 | 14 12 | 6 15 | 6 35 | 10 55 | 4 13 | 4 39 |
| W15 | 19 29 | 15 24 | 4 51 | 17 43 | 1 31 | 11 44 | 1 27 | 1 36 | 3 9 | 7 37 | 1 8 | 13 0 | 2 15 | 0 15 | 0 45 | 7 42 | 1 48 | 3 8 | 14 12 | 6 10 | 6 34 | 10 53 | 4 12 | 4 39 |
| T 16 | 19 14 | 12 52 | 4 29 | 17 5 | 1 24 | 11 16 | 1 26 | 1 34 | 3 10 | 7 32 | 1 8 | 13 1 | 2 14 | 0 16 | 0 45 | 7 42 | 1 48 | 3 9 | 14 11 | 6 4 | 6 33 | 10 52 | 4 11 | 4 39 |
| F 17 | 19 0 | 9 50 | 3 55 | 16 26 | 1 16 | 10 47 | 1 24 | 1 32 | 3 11 | 7 27 | 1 8 | 13 1 | 2 14 | 0 16 | 0 45 | 7 42 | 1 48 | 3 9 | 14 11 | 6 0 | 6 32 | 10 50 | 4 10 | 4 39 |
| S 18 | 18 45 | 6 24 | 3 11 | 15 46 | 1 8 | 10 18 | 1 23 | 1 30 | 3 13 | 7 21 | 1 8 | 13 2 | 2 14 | 0 17 | 0 45 | 7 43 | 1 48 | 3 9 | 14 11 | 5 56 | 6 30 | 10 48 | 4 9 | 4 39 |
| S 19 | 18 29 | 2 43 | 2 19 | 15 5 | 0 59 | 9 49 | 1 21 | 1 29 | 3 14 | 7 16 | 1 8 | 13 3 | 2 13 | 0 17 | 0 46 | 7 43 | 1 48 | 3 9 | 14 10 | 5 54 | 6 29 | 10 47 | 4 8 | 4 38 |
| M20 | 18 13 | 1n 5 | 1 20 | 14 23 | 0 49 | 9 20 | 1 19 | 1 27 | 3 15 | 7 11 | 1 8 | 13 4 | 2 13 | 0 18 | 0 46 | 7 43 | 1 47 | 3 10 | 14 10 | 5 52 | 6 28 | 10 45 | 4 7 | 4 38 |
| T 21 | 17 57 | 4 53 | 0 17 | 13 41 | 0 38 | 8 50 | 1 18 | 1 26 | 3 17 | 7 6 | 1 8 | 13 5 | 2 13 | 0 18 | 0 46 | 7 44 | 1 47 | 3 10 | 14 10 | 5 52 | 6 27 | 10 44 | 4 6 | 4 38 |
| W22 | 17 41 | 8 33 | 0s48 | 12 59 | 0 27 | 8 20 | 1 16 | 1 26 | 3 18 | 7 1 | 1 8 | 13 6 | 2 13 | 0 19 | 0 46 | 7 44 | 1 47 | 3 10 | 14 9 | 5 52 | 6 25 | 10 42 | 4 5 | 4 38 |
| T 23 | 17 24 | 11 54 | 1 52 | 12 17 | 0 15 | 7 50 | 1 14 | 1 25 | 3 19 | 6 56 | 1 7 | 13 7 | 2 12 | 0 19 | 0 46 | 7 44 | 1 47 | 3 11 | 14 9 | 5 52 | 6 24 | 10 40 | 4 3 | 4 38 |
| F 24 | 17 7 | 14 48 | 2 53 | 11 35 | 0 2 | 7 20 | 1 12 | 1 25 | 3 20 | 6 50 | 1 7 | 13 7 | 2 12 | 0 20 | 0 46 | 7 45 | 1 47 | 3 11 | 14 9 | 5 52 | 6 23 | 10 39 | 4 2 | 4 37 |
| S 25 | 16 50 | 17 1 | 3 46 | 10 54 | 0n12 | 6 50 | 1 10 | 1 25 | 3 22 | 6 45 | 1 7 | 13 8 | 2 12 | 0 21 | 0 46 | 7 45 | 1 47 | 3 11 | 14 8 | 5 51 | 6 22 | 10 37 | 4 1 | 4 37 |
| S 26 | 16 33 | 18 21 | 4 28 | 10 14 | 0 26 | 6 19 | 1 8 | 1 26 | 3 23 | 6 40 | 1 7 | 13 10 | 2 11 | 0 21 | 0 46 | 7 46 | 1 47 | 3 12 | 14 8 | 5 50 | 6 21 | 10 36 | 4 0 | 4 37 |
| M27 | 16 15 | 18 35 | 4 56 | 9 35 | 0 41 | 5 48 | 1 5 | 1 27 | 3 24 | 6 34 | 1 7 | 13 11 | 2 11 | 0 22 | 0 46 | 7 46 | 1 47 | 3 12 | 14 8 | 5 47 | 6 19 | 10 34 | 3 59 | 4 37 |
| T 28 | 15 57 | 17 36 | 5 5 | 8 58 | 0 57 | 5 17 | 1 3 | 1 28 | 3 25 | 6 29 | 1 7 | 13 12 | 2 11 | 0 22 | 0 46 | 7 46 | 1 47 | 3 12 | 14 7 | 5 44 | 6 18 | 10 32 | 3 58 | 4 37 |
| W29 | 15 38 | 15 23 | 4 53 | 8 24 | 1 12 | 4 46 | 1 1 | 1 29 | 3 26 | 6 24 | 1 7 | 13 13 | 2 11 | 0 23 | 0 46 | 7 47 | 1 47 | 3 13 | 14 7 | 5 41 | 6 17 | 10 31 | 3 57 | 4 37 |
| T 30 | 15 20 | 12 4 | 4 21 | 7 53 | 1 28 | 4 15 | 0 58 | 1 30 | 3 28 | 6 18 | 1 7 | 13 14 | 2 10 | 0 24 | 0 46 | 7 47 | 1 47 | 3 13 | 14 7 | 5 37 | 6 16 | 10 29 | 3 55 | 4 37 |
| F 31 | 15s 1 | 7n55 | 3s30 | 7s24 | 1n44 | 3s44 | 0s56 | 1n32 | 3n29 | 6s13 | 1s 7 | 13n15 | 2s10 | 0n25 | 0n46 | 7n48 | 1s47 | 3n13 | 14s 7 | 5s34 | 6s14 | 10s27 | 3s54 | 4n36 |

Julian Day Number = 2225833.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'11, Lahiri = 15°14'12 Julian Calendar 1 Jan. 1382 == Greg. Calendar 9 Jan. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## FEBRUARY 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 16 22 | 20♒31'30 | 16♍ 3 | 7♓20 | 23♓59 | 4°R 7 | 17♓ 8 | 11♉29 | 0°R42 | 24♈20 | 16♉18 | 14°R 0 | 15♎45 | 21♒28 | 9♓11 | S 1 |
| S 2 | 9 20 18 | 21°31'59 | 0♎55 | 7°37 | 25°12 | 4♎ 3 | 17°21 | 11°33 | 0♎40 | 24°21 | 16°18 | 13♎57 | 15°42 | 21°35 | 9°15 | S 2 |
| M 3 | 9 24 15 | 22°32'26 | 15°21 | 7°R44 | 26°25 | 3°59 | 17°35 | 11°36 | 0°39 | 24°22 | 16°18 | 13°D56 | 15°39 | 21°42 | 9°19 | M 3 |
| T 4 | 9 28 11 | 23°32'52 | 29°20 | 7°42 | 27°38 | 3°54 | 17°49 | 11°39 | 0°37 | 24°23 | 16°19 | 13°57 | 15°36 | 21°48 | 9°22 | T 4 |
| W 5 | 9 32 8 | 24°33'16 | 12♏51 | 7°29 | 28°51 | 3°48 | 18° 3 | 11°43 | 0°35 | 24°25 | 16°19 | 13°58 | 15°33 | 21°55 | 9°26 | W 5 |
| T 6 | 9 36 5 | 25°33'40 | 25°57 | 7° 6 | 0♈ 3 | 3°42 | 18°17 | 11°46 | 0°33 | 24°26 | 16°19 | 13°R59 | 15°30 | 22° 2 | 9°30 | T 6 |
| F 7 | 9 40 1 | 26°34'01 | 8♐42 | 6°34 | 1°16 | 3°35 | 18°31 | 11°50 | 0°31 | 24°27 | 16°19 | 13°58 | 15°26 | 22° 9 | 9°33 | F 7 |
| S 8 | 9 43 58 | 27°34'22 | 21° 9 | 5°54 | 2°29 | 3°27 | 18°45 | 11°54 | 0°29 | 24°29 | 16°20 | 13°55 | 15°23 | 22°15 | 9°37 | S 8 |
| S 9 | 9 47 54 | 28°34'41 | 3♑23 | 5° 7 | 3°41 | 3°18 | 18°59 | 11°58 | 0°27 | 24°30 | 16°20 | 13°50 | 15°20 | 22°22 | 9°41 | S 9 |
| M10 | 9 51 51 | 29°34'58 | 15°27 | 4°14 | 4°54 | 3° 8 | 19°13 | 12° 2 | 0°25 | 24°32 | 16°21 | 13°43 | 15°17 | 22°29 | 9°44 | M10 |
| T 11 | 9 55 47 | 0♓35'14 | 27°23 | 3°16 | 6° 6 | 2°58 | 19°27 | 12° 6 | 0°23 | 24°33 | 16°21 | 13°35 | 15°14 | 22°35 | 9°48 | T 11 |
| W12 | 9 59 44 | 1°35'28 | 9♒16 | 2°15 | 7°18 | 2°47 | 19°41 | 12°10 | 0°20 | 24°35 | 16°22 | 13°27 | 15°10 | 22°42 | 9°52 | W12 |
| T 13 | 10 3 40 | 2°35'40 | 21° 7 | 1°12 | 8°30 | 2°35 | 19°56 | 12°14 | 0°18 | 24°36 | 16°22 | 13°19 | 15° 7 | 22°49 | 9°56 | T 13 |
| F 14 | 10 7 37 | 3°35'50 | 2♓57 | 0° 9 | 9°42 | 2°22 | 20°10 | 12°18 | 0°16 | 24°38 | 16°22 | 13°12 | 15° 4 | 22°55 | 9°59 | F 14 |
| S 15 | 10 11 34 | 4°35'59 | 14°48 | 29♒ 8 | 10°55 | 2° 8 | 20°24 | 12°23 | 0°14 | 24°39 | 16°23 | 13° 6 | 15° 1 | 23° 2 | 10° 3 | S 15 |
| S 16 | 10 15 30 | 5°36'05 | 26°43 | 28° 9 | 12° 6 | 1°54 | 20°38 | 12°27 | 0°12 | 24°41 | 16°24 | 13° 3 | 14°58 | 23° 9 | 10° 7 | S 16 |
| M17 | 10 19 27 | 6°36'10 | 8♈42 | 27°14 | 13°18 | 1°39 | 20°53 | 12°32 | 0° 9 | 24°42 | 16°24 | 13°D 1 | 14°55 | 23°15 | 10°11 | M17 |
| T 18 | 10 23 23 | 7°36'12 | 20°50 | 26°24 | 14°30 | 1°24 | 21° 7 | 12°36 | 0° 7 | 24°44 | 16°25 | 13° 2 | 14°51 | 23°22 | 10°14 | T 18 |
| W19 | 10 27 20 | 8°36'13 | 3♉ 8 | 25°39 | 15°42 | 1° 7 | 21°21 | 12°41 | 0° 5 | 24°46 | 16°25 | 13° 3 | 14°48 | 23°29 | 10°18 | W19 |
| T 20 | 10 31 16 | 9°36'11 | 15°41 | 25° 0 | 16°53 | 0°50 | 21°36 | 12°46 | 0° 2 | 24°47 | 16°26 | 13° 5 | 14°45 | 23°36 | 10°22 | T 20 |
| F 21 | 10 35 13 | 10°36'07 | 28°31 | 24°27 | 18° 5 | 0°33 | 21°50 | 12°51 | 29♍59 | 24°49 | 16°26 | 13° 6 | 14°42 | 23°42 | 10°26 | F 21 |
| S 22 | 10 39 9 | 11°36'01 | 11♊43 | 24° 1 | 19°16 | 0°15 | 22° 4 | 12°56 | 29°58 | 24°51 | 16°27 | 13°R 7 | 14°39 | 23°49 | 10°30 | S 22 |
| S 23 | 10 43 6 | 12°35'53 | 25°19 | 23°41 | 20°28 | 29♍56 | 22°19 | 13° 1 | 29°55 | 24°53 | 16°28 | 13° 6 | 14°36 | 23°56 | 10°33 | S 23 |
| M24 | 10 47 2 | 13°35'43 | 9♋22 | 23°29 | 21°39 | 29°37 | 22°33 | 13° 6 | 29°53 | 24°55 | 16°28 | 13° 4 | 14°32 | 24° 2 | 10°37 | M24 |
| T 25 | 10 50 59 | 14°35'30 | 23°49 | 23°22 | 22°50 | 29°17 | 22°48 | 13°11 | 29°50 | 24°56 | 16°29 | 13° 1 | 14°29 | 24° 9 | 10°41 | T 25 |
| W26 | 10 54 56 | 15°35'15 | 8♌38 | 23°D22 | 24° 1 | 28°56 | 23° 2 | 13°17 | 29°48 | 24°58 | 16°30 | 12°57 | 14°26 | 24°16 | 10°45 | W26 |
| T 27 | 10 58 52 | 16°34'57 | 23°43 | 23°27 | 25°12 | 28°36 | 23°16 | 13°22 | 29°45 | 25° 0 | 16°31 | 12°53 | 14°23 | 24°22 | 10°48 | T 27 |
| F 28 | 11 2 49 | 17♓34'38 | 8♍54 | 23♒39 | 26♈22 | 28♍14 | 23♓31 | 13♉27 | 29♍43 | 25♈ 2 | 16♉31 | 12♎50 | 14♎20 | 24♒29 | 10♓52 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s42 | 3n18 | 2s24 | 6s59 | 2n 0 | 3s13 | 0s53 | 1n34 | 3n30 | 6s 8 | 1s 7 | 13n16 | 2s10 | 0n25 | 0n46 | 7n48 | 1s47 | 3n14 | 14s 6 | 5s32 | 6s13 | 10s26 | 3s53 | 4n36 |
| S 2 | 14 22 | 1s26 | 1 9 | 6 38 | 2 16 | 2 41 | 0 51 | 1 36 | 3 31 | 6 2 | 1 7 | 13 18 | 2 9 | 0 26 | 0 46 | 7 49 | 1 47 | 3 14 | 14 6 | 5 31 | 6 12 | 10 24 | 3 52 | 4 36 |
| M 3 | 14 3 | 5 57 | 0n 8 | 6 22 | 2 31 | 2 10 | 0 48 | 1 39 | 3 32 | 5 57 | 1 7 | 13 19 | 2 9 | 0 27 | 0 46 | 7 49 | 1 47 | 3 15 | 14 6 | 5 31 | 6 11 | 10 23 | 3 50 | 4 36 |
| T 4 | 13 43 | 10 0 | 1 22 | 6 10 | 2 45 | 1 38 | 0 45 | 1 42 | 3 33 | 5 51 | 1 7 | 13 20 | 2 9 | 0 28 | 0 46 | 7 50 | 1 47 | 3 15 | 14 5 | 5 31 | 6 10 | 10 21 | 3 49 | 4 36 |
| W 5 | 13 23 | 13 22 | 2 29 | 6 2 | 2 58 | 1 7 | 0 43 | 1 45 | 3 34 | 5 46 | 1 7 | 13 21 | 2 9 | 0 28 | 0 46 | 7 50 | 1 47 | 3 15 | 14 5 | 5 32 | 6 8 | 10 19 | 3 48 | 4 36 |
| T 6 | 13 2 | 15 57 | 3 27 | 5 59 | 3 10 | 0 35 | 0 40 | 1 49 | 3 35 | 5 40 | 1 7 | 13 23 | 2 8 | 0 29 | 0 46 | 7 51 | 1 47 | 3 16 | 14 5 | 5 32 | 6 7 | 10 18 | 3 47 | 4 36 |
| F 7 | 12 42 | 17 40 | 4 12 | 6 1 | 3 21 | 0 3 | 0 37 | 1 52 | 3 36 | 5 35 | 1 7 | 13 24 | 2 8 | 0 30 | 0 46 | 7 51 | 1 46 | 3 16 | 14 4 | 5 32 | 6 6 | 10 16 | 3 45 | 4 36 |
| S 8 | 12 21 | 18 29 | 4 45 | 6 7 | 3 30 | 0n28 | 0 34 | 1 56 | 3 37 | 5 29 | 1 6 | 13 26 | 2 8 | 0 31 | 0 46 | 7 52 | 1 46 | 3 16 | 14 4 | 5 30 | 6 5 | 10 14 | 3 44 | 4 35 |
| S 9 | 12 0 | 18 25 | 5 3 | 6 18 | 3 37 | 1 0 | 0 31 | 2 1 | 3 38 | 5 23 | 1 6 | 13 27 | 2 7 | 0 32 | 0 46 | 7 53 | 1 46 | 3 17 | 14 4 | 5 28 | 6 3 | 10 13 | 3 43 | 4 35 |
| M10 | 11 39 | 17 31 | 5 8 | 6 33 | 3 42 | 1 31 | 0 28 | 2 5 | 3 38 | 5 18 | 1 6 | 13 29 | 2 7 | 0 32 | 0 46 | 7 53 | 1 46 | 3 17 | 14 3 | 5 26 | 6 2 | 10 11 | 3 42 | 4 35 |
| T 11 | 11 18 | 15 51 | 5 0 | 6 51 | 3 45 | 2 3 | 0 25 | 2 10 | 3 39 | 5 12 | 1 6 | 13 30 | 2 7 | 0 33 | 0 46 | 7 54 | 1 46 | 3 18 | 14 3 | 5 23 | 6 1 | 10 9 | 3 40 | 4 35 |
| W12 | 10 57 | 13 31 | 4 38 | 7 12 | 3 45 | 2 35 | 0 22 | 2 15 | 3 40 | 5 7 | 1 6 | 13 32 | 2 7 | 0 34 | 0 46 | 7 54 | 1 46 | 3 18 | 14 3 | 5 19 | 6 0 | 10 8 | 3 39 | 4 35 |
| T 13 | 10 35 | 10 39 | 4 5 | 7 36 | 3 44 | 3 6 | 0 18 | 2 21 | 3 41 | 5 1 | 1 6 | 13 33 | 2 6 | 0 35 | 0 46 | 7 55 | 1 46 | 3 19 | 14 2 | 5 16 | 5 58 | 10 6 | 3 38 | 4 35 |
| F 14 | 10 13 | 7 20 | 3 20 | 8 1 | 3 40 | 3 38 | 0 15 | 2 26 | 3 41 | 4 55 | 1 6 | 13 35 | 2 6 | 0 36 | 0 46 | 7 56 | 1 46 | 3 19 | 14 2 | 5 14 | 5 57 | 10 4 | 3 36 | 4 35 |
| S 15 | 9 51 | 3 44 | 2 28 | 8 28 | 3 34 | 4 9 | 0 12 | 2 32 | 3 42 | 4 50 | 1 6 | 13 36 | 2 6 | 0 37 | 0 46 | 7 56 | 1 46 | 3 19 | 14 2 | 5 11 | 5 56 | 10 3 | 3 35 | 4 35 |
| S 16 | 9 29 | 0n 2 | 1 28 | 8 55 | 3 27 | 4 40 | 0 8 | 2 38 | 3 42 | 4 44 | 1 6 | 13 38 | 2 6 | 0 38 | 0 46 | 7 57 | 1 46 | 3 20 | 14 1 | 5 10 | 5 55 | 10 1 | 3 34 | 4 35 |
| M17 | 9 7 | 3 49 | 0 24 | 9 23 | 3 18 | 5 11 | 0 5 | 2 44 | 3 43 | 4 38 | 1 6 | 13 39 | 2 5 | 0 39 | 0 46 | 7 57 | 1 46 | 3 20 | 14 1 | 5 10 | 5 54 | 10 0 | 3 32 | 4 35 |
| T 18 | 8 45 | 7 30 | 0s43 | 9 50 | 3 7 | 5 43 | 0 2 | 2 51 | 3 43 | 4 33 | 1 6 | 13 41 | 2 5 | 0 40 | 0 46 | 7 58 | 1 46 | 3 21 | 14 1 | 5 10 | 5 52 | 9 58 | 3 31 | 4 35 |
| W19 | 8 22 | 10 55 | 1 48 | 10 16 | 2 55 | 6 13 | 0n 2 | 2 58 | 3 43 | 4 27 | 1 6 | 13 43 | 2 5 | 0 41 | 0 46 | 7 59 | 1 46 | 3 21 | 14 1 | 5 10 | 5 51 | 9 56 | 3 30 | 4 34 |
| T 20 | 8 0 | 13 53 | 2 49 | 10 41 | 2 43 | 6 44 | 0 5 | 3 5 | 3 43 | 4 21 | 1 6 | 13 44 | 2 5 | 0 42 | 0 46 | 7 59 | 1 46 | 3 22 | 14 0 | 5 11 | 5 50 | 9 55 | 3 28 | 4 34 |
| F 21 | 7 37 | 16 16 | 3 44 | 11 4 | 2 29 | 7 15 | 0 9 | 3 12 | 3 43 | 4 16 | 1 6 | 13 46 | 2 4 | 0 42 | 0 46 | 8 0 | 1 46 | 3 22 | 14 0 | 5 11 | 5 49 | 9 53 | 3 27 | 4 34 |
| S 22 | 7 14 | 17 50 | 4 28 | 11 26 | 2 16 | 7 45 | 0 12 | 3 19 | 3 44 | 4 10 | 1 6 | 13 48 | 2 4 | 0 43 | 0 46 | 8 1 | 1 46 | 3 23 | 14 0 | 5 12 | 5 47 | 9 51 | 3 25 | 4 34 |
| S 23 | 6 51 | 18 28 | 4 59 | 11 45 | 2 1 | 8 16 | 0 16 | 3 27 | 3 43 | 4 4 | 1 6 | 13 50 | 2 4 | 0 44 | 0 46 | 8 1 | 1 46 | 3 23 | 13 59 | 5 11 | 5 46 | 9 50 | 3 24 | 4 34 |
| M24 | 6 28 | 17 59 | 5 13 | 12 3 | 1 47 | 8 46 | 0 20 | 3 34 | 3 43 | 3 58 | 1 6 | 13 51 | 2 4 | 0 45 | 0 46 | 8 2 | 1 46 | 3 23 | 13 59 | 5 10 | 5 45 | 9 48 | 3 23 | 4 34 |
| T 25 | 6 5 | 16 21 | 5 8 | 12 19 | 1 33 | 9 16 | 0 23 | 3 42 | 3 43 | 3 53 | 1 6 | 13 53 | 2 3 | 0 46 | 0 46 | 8 3 | 1 46 | 3 24 | 13 59 | 5 9 | 5 44 | 9 46 | 3 21 | 4 34 |
| W26 | 5 42 | 13 37 | 4 43 | 12 33 | 1 18 | 9 46 | 0 27 | 3 50 | 3 43 | 3 47 | 1 6 | 13 55 | 2 3 | 0 47 | 0 46 | 8 4 | 1 46 | 3 24 | 13 59 | 5 8 | 5 42 | 9 45 | 3 20 | 4 34 |
| T 27 | 5 19 | 9 55 | 3 58 | 12 44 | 1 4 | 10 15 | 0 31 | 3 58 | 3 43 | 3 41 | 1 6 | 13 57 | 2 3 | 0 48 | 0 46 | 8 4 | 1 46 | 3 25 | 13 58 | 5 6 | 5 41 | 9 43 | 3 19 | 4 34 |
| F 28 | 4s55 | 5n33 | 2s56 | 12s54 | 0n50 | 10n44 | 0n34 | 4n 6 | 3n42 | 3s36 | 1s 6 | 13n59 | 2s 3 | 0n49 | 0n46 | 8n 5 | 1s46 | 3n25 | 13s58 | 5s 5 | 5s40 | 9s41 | 3s17 | 4n34 |

Julian Day Number = 2225864.5, Delta T = 08m21s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'15, Lahiri = 15°14'16 Julian Calendar 1 Feb. 1382 == Greg. Calendar 9 Feb. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## MARCH 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 6 45 | 18♓34'16 | 24♍ 1 | 23♒55 | 27♈33 | 27°R53 | 23♓45 | 13♉33 | 29°R40 | 25♈ 4 | 16♉32 | 12°R48 | 14♎16 | 24♒36 | 10♓56 | S 1 |
| S 2 | 11 10 42 | 19°33'52 | 8♎56 | 24°17 | 28°43 | 27♍31 | 24° 0 | 13°39 | 29♍38 | 25° 6 | 16°33 | 12°D47 | 14°13 | 24°42 | 11° 0 | S 2 |
| M 3 | 11 14 38 | 20°33'27 | 23°31 | 24°44 | 29°54 | 27° 8 | 24°14 | 13°44 | 29°35 | 25° 8 | 16°34 | 12♎47 | 14°10 | 24°49 | 11° 3 | M 3 |
| T 4 | 11 18 35 | 21°32'59 | 7♏40 | 25°15 | 1♉ 4 | 26°46 | 24°29 | 13°50 | 29°33 | 25°10 | 16°35 | 12°48 | 14° 7 | 24°56 | 11° 7 | T 4 |
| W 5 | 11 22 31 | 22°32'30 | 21°22 | 25°51 | 2°14 | 26°23 | 24°43 | 13°56 | 29°30 | 25°11 | 16°35 | 12°50 | 14° 4 | 25° 2 | 11°11 | W 5 |
| T 6 | 11 26 28 | 23°31'59 | 4♐37 | 26°31 | 3°24 | 26° 0 | 24°58 | 14° 2 | 29°27 | 25°13 | 16°36 | 12°51 | 14° 1 | 25° 9 | 11°14 | T 6 |
| F 7 | 11 30 25 | 24°31'26 | 17°29 | 27°14 | 4°34 | 25°37 | 25°12 | 14° 8 | 29°25 | 25°15 | 16°37 | 12°52 | 13°57 | 25°16 | 11°18 | F 7 |
| S 8 | 11 34 21 | 25°30'51 | 29°59 | 28° 1 | 5°44 | 25°14 | 25°27 | 14°14 | 29°22 | 25°17 | 16°38 | 12°R52 | 13°54 | 25°23 | 11°22 | S 8 |
| S 9 | 11 38 18 | 26°30'15 | 12♑13 | 28°52 | 6°54 | 24°50 | 25°41 | 14°20 | 29°20 | 25°19 | 16°39 | 12°51 | 13°51 | 25°29 | 11°26 | S 9 |
| M10 | 11 42 14 | 27°29'37 | 24°15 | 29°45 | 8° 3 | 24°27 | 25°56 | 14°26 | 29°17 | 25°22 | 16°40 | 12°50 | 13°48 | 25°36 | 11°29 | M10 |
| T 11 | 11 46 11 | 28°28'57 | 6♒ 9 | 0♓42 | 9°12 | 24° 3 | 26°10 | 14°32 | 29°14 | 25°24 | 16°41 | 12°48 | 13°45 | 25°43 | 11°33 | T 11 |
| W12 | 11 50 7 | 29°28'15 | 17°59 | 1°42 | 10°22 | 23°40 | 26°25 | 14°38 | 29°12 | 25°26 | 16°42 | 12°46 | 13°41 | 25°49 | 11°36 | W12 |
| T 13 | 11 54 4 | 0♈27'31 | 29°48 | 2°44 | 11°31 | 23°17 | 26°39 | 14°45 | 29° 9 | 25°28 | 16°43 | 12°44 | 13°38 | 25°56 | 11°40 | T 13 |
| F 14 | 11 58 0 | 1°26'45 | 11♓40 | 3°49 | 12°40 | 22°54 | 26°54 | 14°51 | 29° 7 | 25°30 | 16°44 | 12°42 | 13°35 | 26° 3 | 11°44 | F 14 |
| S 15 | 12 1 57 | 2°25'57 | 23°36 | 4°56 | 13°49 | 22°31 | 27° 8 | 14°57 | 29° 4 | 25°32 | 16°45 | 12°41 | 13°32 | 26° 9 | 11°47 | S 15 |
| S 16 | 12 5 53 | 3°25'07 | 5♈39 | 6° 5 | 14°57 | 22° 9 | 27°23 | 15° 4 | 29° 1 | 25°34 | 16°46 | 12°40 | 13°29 | 26°16 | 11°51 | S 16 |
| M17 | 12 9 50 | 4°24'15 | 17°50 | 7°17 | 16° 6 | 21°46 | 27°37 | 15°10 | 28°59 | 25°36 | 16°47 | 12°D40 | 13°26 | 26°23 | 11°54 | M17 |
| T 18 | 12 13 47 | 5°23'21 | 0♉12 | 8°31 | 17°14 | 21°25 | 27°52 | 15°17 | 28°56 | 25°38 | 16°48 | 12°41 | 13°22 | 26°29 | 11°58 | T 18 |
| W19 | 12 17 43 | 6°22'25 | 12°45 | 9°47 | 18°22 | 21° 3 | 28° 6 | 15°24 | 28°54 | 25°40 | 16°49 | 12°41 | 13°19 | 26°36 | 12° 1 | W19 |
| T 20 | 12 21 40 | 7°21'26 | 25°31 | 11° 4 | 19°30 | 20°42 | 28°21 | 15°30 | 28°51 | 25°43 | 16°50 | 12°42 | 13°16 | 26°43 | 12° 5 | T 20 |
| F 21 | 12 25 36 | 8°20'26 | 8♊33 | 12°24 | 20°38 | 20°21 | 28°35 | 15°37 | 28°49 | 25°45 | 16°51 | 12°42 | 13°13 | 26°49 | 12° 8 | F 21 |
| S 22 | 12 29 33 | 9°19'23 | 21°51 | 13°46 | 21°46 | 20° 1 | 28°49 | 15°44 | 28°46 | 25°47 | 16°52 | 12°43 | 13°10 | 26°56 | 12°12 | S 22 |
| S 23 | 12 33 29 | 10°18'17 | 5♋27 | 15° 9 | 22°54 | 19°41 | 29° 4 | 15°51 | 28°43 | 25°49 | 16°53 | 12°R43 | 13° 7 | 27° 3 | 12°15 | S 23 |
| M24 | 12 37 26 | 11°17'10 | 19°21 | 16°35 | 24° 1 | 19°22 | 29°18 | 15°58 | 28°41 | 25°51 | 16°54 | 12°43 | 13° 3 | 27°10 | 12°19 | M24 |
| T 25 | 12 41 22 | 12°16'00 | 3♌34 | 18° 2 | 25° 8 | 19° 4 | 29°32 | 16° 5 | 28°38 | 25°54 | 16°56 | 12°D43 | 13° 0 | 27°16 | 12°22 | T 25 |
| W26 | 12 45 19 | 13°14'48 | 18° 2 | 19°30 | 26°15 | 18°46 | 29°47 | 16°11 | 28°36 | 25°56 | 16°57 | 12°43 | 12°57 | 27°23 | 12°25 | W26 |
| T 27 | 12 49 16 | 14°13'33 | 2♍43 | 21° 1 | 27°22 | 18°29 | 0♈ 1 | 16°19 | 28°33 | 25°58 | 16°58 | 12°43 | 12°54 | 27°30 | 12°29 | T 27 |
| F 28 | 12 53 12 | 15°12'16 | 17°31 | 22°33 | 28°28 | 18°12 | 0°15 | 16°26 | 28°31 | 26° 0 | 16°59 | 12°43 | 12°51 | 27°36 | 12°32 | F 28 |
| S 29 | 12 57 9 | 16°10'57 | 2♎19 | 24° 7 | 29°35 | 17°56 | 0°29 | 16°33 | 28°29 | 26° 2 | 17° 0 | 12°43 | 12°47 | 27°43 | 12°35 | S 29 |
| S 30 | 13 1 5 | 17° 9'36 | 17° 0 | 25°42 | 0♊41 | 17°41 | 0°44 | 16°40 | 28°26 | 26° 5 | 17° 1 | 12°R43 | 12°44 | 27°50 | 12°39 | S 30 |
| M31 | 13 5 2 | 18♈ 8'12 | 1♏28 | 27♓19 | 1♊47 | 17♍27 | 0♈58 | 16♉47 | 28♍24 | 26♈ 7 | 17♉ 3 | 12♎43 | 12♎41 | 27♒56 | 12♓42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s32 | 0n50 | 1s41 | 13s 1 | 0n37 | 11n13 | 0n38 | 4n14 | 3n42 | 3s30 | 1s 6 | 14n 1 | 2s 3 | 0n50 | 0n46 | 8n 6 | 1s46 | 3n26 | 13s58 | 5s 4 | 5s39 | 9s40 | 3s16 | 4n34 |
| S 2 | 4 9 | 3s53 | 0 21 | 13 6 | 0 23 | 11 42 | 0 42 | 4 22 | 3 41 | 3 24 | 1 6 | 14 2 | 2 2 | 0 51 | 0 46 | 8 6 | 1 45 | 3 26 | 13 57 | 5 4 | 5 38 | 9 38 | 3 14 | 4 34 |
| M 3 | 3 45 | 8 15 | 0n59 | 13 9 | 0 10 | 12 11 | 0 45 | 4 30 | 3 40 | 3 18 | 1 6 | 14 4 | 2 2 | 0 52 | 0 46 | 8 7 | 1 45 | 3 27 | 13 57 | 5 4 | 5 36 | 9 36 | 3 13 | 4 34 |
| T 4 | 3 22 | 12 1 | 2 13 | 13 11 | 0s 2 | 12 39 | 0 49 | 4 39 | 3 39 | 3 12 | 1 6 | 14 6 | 2 2 | 0 54 | 0 46 | 8 8 | 1 45 | 3 27 | 13 57 | 5 4 | 5 35 | 9 35 | 3 12 | 4 34 |
| W 5 | 2 58 | 14 59 | 3 17 | 13 10 | 0 14 | 13 7 | 0 53 | 4 47 | 3 38 | 3 7 | 1 6 | 14 8 | 2 2 | 0 55 | 0 46 | 8 9 | 1 45 | 3 28 | 13 57 | 5 5 | 5 34 | 9 33 | 3 10 | 4 34 |
| T 6 | 2 35 | 17 4 | 4 9 | 13 7 | 0 26 | 13 35 | 0 57 | 4 55 | 3 37 | 3 1 | 1 6 | 14 10 | 2 1 | 0 56 | 0 46 | 8 9 | 1 45 | 3 28 | 13 56 | 5 5 | 5 33 | 9 31 | 3 9 | 4 34 |
| F 7 | 2 11 | 18 11 | 4 46 | 13 3 | 0 37 | 14 2 | 1 1 | 5 3 | 3 36 | 2 55 | 1 6 | 14 12 | 2 1 | 0 57 | 0 46 | 8 10 | 1 45 | 3 29 | 13 56 | 5 6 | 5 31 | 9 30 | 3 7 | 4 34 |
| S 8 | 1 47 | 18 23 | 5 8 | 12 56 | 0 47 | 14 29 | 1 4 | 5 12 | 3 35 | 2 49 | 1 6 | 14 14 | 2 1 | 0 58 | 0 46 | 8 11 | 1 45 | 3 29 | 13 56 | 5 6 | 5 30 | 9 28 | 3 6 | 4 34 |
| S 9 | 1 24 | 17 42 | 5 16 | 12 48 | 0 57 | 14 56 | 1 8 | 5 20 | 3 34 | 2 44 | 1 6 | 14 16 | 2 1 | 0 59 | 0 46 | 8 12 | 1 45 | 3 30 | 13 56 | 5 6 | 5 29 | 9 26 | 3 5 | 4 34 |
| M10 | 1 0 | 16 15 | 5 10 | 12 38 | 1 7 | 15 22 | 1 12 | 5 28 | 3 33 | 2 38 | 1 6 | 14 18 | 2 1 | 1 0 | 0 46 | 8 12 | 1 45 | 3 30 | 13 55 | 5 5 | 5 28 | 9 25 | 3 3 | 4 34 |
| T 11 | 0 36 | 14 6 | 4 50 | 12 27 | 1 16 | 15 48 | 1 16 | 5 36 | 3 31 | 2 32 | 1 6 | 14 20 | 2 0 | 1 1 | 0 46 | 8 13 | 1 45 | 3 31 | 13 55 | 5 4 | 5 26 | 9 23 | 3 2 | 4 34 |
| W12 | 0 13 | 11 23 | 4 19 | 12 13 | 1 25 | 16 14 | 1 19 | 5 44 | 3 30 | 2 26 | 1 6 | 14 22 | 2 0 | 1 2 | 0 46 | 8 14 | 1 45 | 3 31 | 13 55 | 5 3 | 5 25 | 9 21 | 3 1 | 4 34 |
| T 13 | 0n11 | 8 12 | 3 36 | 11 58 | 1 33 | 16 39 | 1 23 | 5 51 | 3 28 | 2 21 | 1 6 | 14 24 | 2 0 | 1 3 | 0 46 | 8 15 | 1 45 | 3 32 | 13 55 | 5 3 | 5 24 | 9 20 | 2 59 | 4 34 |
| F 14 | 0 35 | 4 41 | 2 44 | 11 42 | 1 40 | 17 4 | 1 27 | 5 59 | 3 26 | 2 15 | 1 6 | 14 26 | 2 0 | 1 4 | 0 46 | 8 16 | 1 45 | 3 32 | 13 54 | 5 2 | 5 23 | 9 18 | 2 58 | 4 34 |
| S 15 | 0 58 | 0 58 | 1 44 | 11 24 | 1 47 | 17 28 | 1 31 | 6 6 | 3 24 | 2 9 | 1 6 | 14 28 | 2 0 | 1 5 | 0 46 | 8 16 | 1 45 | 3 33 | 13 54 | 5 2 | 5 21 | 9 16 | 2 56 | 4 34 |
| S 16 | 1 22 | 2n51 | 0 39 | 11 4 | 1 54 | 17 53 | 1 34 | 6 14 | 3 23 | 2 3 | 1 6 | 14 30 | 2 0 | 1 6 | 0 46 | 8 17 | 1 45 | 3 33 | 13 54 | 5 1 | 5 20 | 9 15 | 2 55 | 4 34 |
| M17 | 1 45 | 6 35 | 0s29 | 10 43 | 2 0 | 18 16 | 1 38 | 6 21 | 3 21 | 1 58 | 1 6 | 14 32 | 1 59 | 1 7 | 0 46 | 8 18 | 1 45 | 3 34 | 13 54 | 5 1 | 5 19 | 9 13 | 2 54 | 4 34 |
| T 18 | 2 9 | 10 5 | 1 36 | 10 20 | 2 5 | 18 39 | 1 42 | 6 27 | 3 19 | 1 52 | 1 6 | 14 34 | 1 59 | 1 8 | 0 46 | 8 19 | 1 45 | 3 34 | 13 53 | 5 1 | 5 18 | 9 11 | 2 52 | 4 34 |
| W19 | 2 32 | 13 11 | 2 39 | 9 56 | 2 10 | 19 2 | 1 45 | 6 34 | 3 17 | 1 46 | 1 6 | 14 36 | 1 59 | 1 9 | 0 46 | 8 19 | 1 45 | 3 35 | 13 53 | 5 2 | 5 16 | 9 10 | 2 51 | 4 34 |
| T 20 | 2 56 | 15 42 | 3 36 | 9 31 | 2 15 | 19 25 | 1 49 | 6 40 | 3 14 | 1 40 | 1 6 | 14 39 | 1 59 | 1 10 | 0 46 | 8 20 | 1 45 | 3 35 | 13 53 | 5 2 | 5 15 | 9 8 | 2 49 | 4 34 |
| F 21 | 3 19 | 17 28 | 4 23 | 9 4 | 2 19 | 19 46 | 1 52 | 6 47 | 3 12 | 1 35 | 1 6 | 14 41 | 1 59 | 1 11 | 0 46 | 8 21 | 1 45 | 3 35 | 13 53 | 5 2 | 5 14 | 9 6 | 2 48 | 4 34 |
| S 22 | 3 42 | 18 20 | 4 57 | 8 35 | 2 22 | 20 8 | 1 56 | 6 52 | 3 10 | 1 29 | 1 6 | 14 43 | 1 58 | 1 12 | 0 46 | 8 22 | 1 45 | 3 36 | 13 53 | 5 2 | 5 13 | 9 5 | 2 47 | 4 34 |
| S 23 | 4 6 | 18 9 | 5 15 | 8 6 | 2 25 | 20 29 | 1 59 | 6 58 | 3 8 | 1 23 | 1 6 | 14 45 | 1 58 | 1 13 | 0 46 | 8 23 | 1 45 | 3 36 | 13 52 | 5 2 | 5 12 | 9 3 | 2 45 | 4 34 |
| M24 | 4 29 | 16 55 | 5 16 | 7 34 | 2 27 | 20 49 | 2 3 | 7 3 | 3 5 | 1 18 | 1 6 | 14 47 | 1 58 | 1 14 | 0 46 | 8 24 | 1 45 | 3 37 | 13 52 | 5 2 | 5 10 | 9 1 | 2 44 | 4 35 |
| T 25 | 4 52 | 14 36 | 4 57 | 7 2 | 2 29 | 21 9 | 2 6 | 7 9 | 3 3 | 1 12 | 1 7 | 14 49 | 1 58 | 1 15 | 0 46 | 8 24 | 1 45 | 3 37 | 13 52 | 5 2 | 5 9 | 9 0 | 2 43 | 4 35 |
| W26 | 5 15 | 11 21 | 4 19 | 6 28 | 2 31 | 21 29 | 2 10 | 7 13 | 3 0 | 1 6 | 1 7 | 14 51 | 1 58 | 1 16 | 0 46 | 8 25 | 1 45 | 3 38 | 13 52 | 5 2 | 5 8 | 8 58 | 2 41 | 4 35 |
| T 27 | 5 38 | 7 21 | 3 24 | 5 54 | 2 31 | 21 48 | 2 13 | 7 18 | 2 58 | 1 1 | 1 7 | 14 53 | 1 58 | 1 17 | 0 46 | 8 26 | 1 45 | 3 38 | 13 52 | 5 2 | 5 7 | 8 56 | 2 40 | 4 35 |
| F 28 | 6 0 | 2 52 | 2 16 | 5 17 | 2 32 | 22 6 | 2 16 | 7 22 | 2 55 | 0 55 | 1 7 | 14 56 | 1 57 | 1 18 | 0 46 | 8 27 | 1 45 | 3 39 | 13 52 | 5 2 | 5 5 | 8 54 | 2 39 | 4 35 |
| S 29 | 6 23 | 1s48 | 0 57 | 4 40 | 2 32 | 22 24 | 2 20 | 7 26 | 2 53 | 0 49 | 1 7 | 14 58 | 1 57 | 1 19 | 0 46 | 8 28 | 1 45 | 3 39 | 13 51 | 5 2 | 5 4 | 8 53 | 2 37 | 4 35 |
| S 30 | 6 46 | 6 20 | 0n24 | 4 1 | 2 31 | 22 41 | 2 23 | 7 29 | 2 50 | 0 44 | 1 7 | 15 0 | 1 57 | 1 20 | 0 46 | 8 28 | 1 45 | 3 40 | 13 51 | 5 2 | 5 3 | 8 51 | 2 36 | 4 35 |
| M31 | 7n 8 | 10s25 | 1n42 | 3s22 | 2s30 | 22n58 | 2n26 | 7n33 | 2n48 | 0s38 | 1s 7 | 15n 2 | 1s57 | 1n21 | 0n46 | 8n29 | 1s45 | 3n40 | 13s51 | 5s 2 | 5s 2 | 8s49 | 2s35 | 4n35 |

Julian Day Number = 2225892.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'19, Lahiri = 15°14'20 Julian Calendar 1 March 1382 == Greg. Calendar 9 March 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## APRIL 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 8 58 | 19♈ 6'47 | 15♏35 | 28♓58 | 2♊52 | 17°R13 | 1♈12 | 16♉54 | 28°R21 | 26♈ 9 | 17♉ 4 | 12°R43 | 12♎38 | 28♒ 3 | 12♓45 | T 1 |
| W 2 | 13 12 55 | 20° 5'21 | 29°20 | 0♈38 | 3°58 | 17♍ 0 | 1°26 | 17° 1 | 28♍19 | 26°11 | 17° 5 | 12♎42 | 12°35 | 28°10 | 12°48 | W 2 |
| T 3 | 13 16 51 | 21° 3'52 | 12♐41 | 2°20 | 5° 3 | 16°48 | 1°40 | 17° 9 | 28°17 | 26°14 | 17° 6 | 12°41 | 12°32 | 28°16 | 12°51 | T 3 |
| F 4 | 13 20 48 | 22° 2'22 | 25°38 | 4° 4 | 6° 8 | 16°36 | 1°54 | 17°16 | 28°14 | 26°16 | 17° 7 | 12°40 | 12°28 | 28°23 | 12°54 | F 4 |
| S 5 | 13 24 45 | 23° 0'50 | 8♑13 | 5°49 | 7°13 | 16°25 | 2° 8 | 17°23 | 28°12 | 26°18 | 17° 9 | 12°39 | 12°25 | 28°30 | 12°57 | S 5 |
| S 6 | 13 28 41 | 23°59'17 | 20°31 | 7°36 | 8°17 | 16°15 | 2°22 | 17°31 | 28°10 | 26°20 | 17°10 | 12°D39 | 12°22 | 28°36 | 13° 0 | S 6 |
| M 7 | 13 32 38 | 24°57'42 | 2♒34 | 9°25 | 9°22 | 16° 6 | 2°36 | 17°38 | 28° 8 | 26°23 | 17°11 | 12°39 | 12°19 | 28°43 | 13° 4 | M 7 |
| T 8 | 13 36 34 | 25°56'05 | 14°29 | 11°15 | 10°26 | 15°58 | 2°50 | 17°46 | 28° 5 | 26°25 | 17°13 | 12°39 | 12°16 | 28°50 | 13° 6 | T 8 |
| W 9 | 13 40 31 | 26°54'26 | 26°19 | 13° 7 | 11°29 | 15°50 | 3° 4 | 17°53 | 28° 3 | 26°27 | 17°14 | 12°40 | 12°12 | 28°56 | 13° 9 | W 9 |
| T 10 | 13 44 27 | 27°52'46 | 8♓ 9 | 15° 1 | 12°33 | 15°43 | 3°18 | 18° 1 | 28° 1 | 26°29 | 17°15 | 12°42 | 12° 9 | 29° 3 | 13°12 | T 10 |
| F 11 | 13 48 24 | 28°51'04 | 20° 3 | 16°56 | 13°36 | 15°37 | 3°31 | 18° 8 | 27°59 | 26°32 | 17°16 | 12°43 | 12° 6 | 29°10 | 13°15 | F 11 |
| S 12 | 13 52 20 | 29°49'21 | 2♈ 5 | 18°53 | 14°39 | 15°32 | 3°45 | 18°16 | 27°57 | 26°34 | 17°18 | 12°44 | 12° 3 | 29°17 | 13°18 | S 12 |
| S 13 | 13 56 17 | 0♉47'36 | 14°18 | 20°52 | 15°41 | 15°28 | 3°59 | 18°23 | 27°55 | 26°36 | 17°19 | 12°R44 | 12° 0 | 29°23 | 13°21 | S 13 |
| M14 | 14 0 13 | 1°45'49 | 26°43 | 22°52 | 16°44 | 15°24 | 4°13 | 18°31 | 27°53 | 26°39 | 17°20 | 12°44 | 11°57 | 29°30 | 13°24 | M14 |
| T 15 | 14 4 10 | 2°44'01 | 9♉22 | 24°54 | 17°46 | 15°21 | 4°26 | 18°38 | 27°51 | 26°41 | 17°22 | 12°42 | 11°53 | 29°37 | 13°26 | T 15 |
| W16 | 14 8 7 | 3°42'10 | 22°16 | 26°58 | 18°47 | 15°19 | 4°40 | 18°46 | 27°49 | 26°43 | 17°23 | 12°40 | 11°50 | 29°43 | 13°29 | W16 |
| T 17 | 14 12 3 | 4°40'18 | 5♊24 | 29° 3 | 19°49 | 15°18 | 4°53 | 18°54 | 27°47 | 26°45 | 17°24 | 12°37 | 11°47 | 29°50 | 13°32 | T 17 |
| F 18 | 14 16 0 | 5°38'25 | 18°46 | 1♋ 9 | 20°50 | 15°D17 | 5° 7 | 19° 1 | 27°45 | 26°48 | 17°26 | 12°33 | 11°44 | 29°57 | 13°34 | F 18 |
| S 19 | 14 19 56 | 6°36'29 | 2♌21 | 3°16 | 21°50 | 15°18 | 5°20 | 19° 9 | 27°43 | 26°50 | 17°27 | 12°30 | 11°41 | 0♓ 3 | 13°37 | S 19 |
| S 20 | 14 23 53 | 7°34'31 | 16° 8 | 5°25 | 22°51 | 15°19 | 5°34 | 19°17 | 27°41 | 26°52 | 17°28 | 12°28 | 11°38 | 0°10 | 13°40 | S 20 |
| M21 | 14 27 49 | 8°32'32 | 0♎ 6 | 7°34 | 23°51 | 15°20 | 5°47 | 19°25 | 27°40 | 26°54 | 17°30 | 12°26 | 11°34 | 0°17 | 13°42 | M21 |
| T 22 | 14 31 46 | 9°30'30 | 14°12 | 9°44 | 24°50 | 15°23 | 6° 0 | 19°32 | 27°38 | 26°56 | 17°31 | 12°D26 | 11°31 | 0°23 | 13°44 | T 22 |
| W23 | 14 35 42 | 10°28'27 | 28°26 | 11°54 | 25°49 | 15°26 | 6°13 | 19°40 | 27°36 | 26°59 | 17°32 | 12°27 | 11°28 | 0°30 | 13°47 | W23 |
| T 24 | 14 39 39 | 11°26'21 | 12♍46 | 14° 5 | 26°48 | 15°30 | 6°26 | 19°48 | 27°34 | 27° 1 | 17°34 | 12°29 | 11°25 | 0°37 | 13°49 | T 24 |
| F 25 | 14 43 36 | 12°24'14 | 27° 8 | 16°16 | 27°46 | 15°35 | 6°39 | 19°56 | 27°33 | 27° 3 | 17°35 | 12°30 | 11°22 | 0°43 | 13°52 | F 25 |
| S 26 | 14 47 32 | 13°22'05 | 11♎29 | 18°26 | 28°44 | 15°40 | 6°52 | 20° 3 | 27°31 | 27° 5 | 17°36 | 12°R31 | 11°18 | 0°50 | 13°54 | S 26 |
| S 27 | 14 51 29 | 14°19'54 | 25°46 | 20°35 | 29°41 | 15°46 | 7° 5 | 20°11 | 27°30 | 27° 7 | 17°38 | 12°30 | 11°15 | 0°57 | 13°56 | S 27 |
| M28 | 14 55 25 | 15°17'42 | 9♏52 | 22°44 | 0♌38 | 15°53 | 7°18 | 20°19 | 27°28 | 27°10 | 17°39 | 12°28 | 11°12 | 1° 3 | 13°58 | M28 |
| T 29 | 14 59 22 | 16°15'28 | 23°46 | 24°52 | 1°34 | 16° 0 | 7°31 | 20°27 | 27°27 | 27°12 | 17°40 | 12°24 | 11° 9 | 1°10 | 14° 1 | T 29 |
| W30 | 15 3 18 | 17♉13'13 | 7♐21 | 26♉58 | 2♌30 | 16♍ 8 | 7♈44 | 20♉35 | 27♍25 | 27♈14 | 17♉42 | 12♎19 | 11♎ 6 | 1♓17 | 14♓ 3 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n30 | 13s48 | 2n53 | 2s41 | 2s28 | 23n14 | 2n29 | 7n36 | 2n45 | 0s33 | 1s 7 | 15n 4 | 1s57 | 1n22 | 0n46 | 8n30 | 1s45 | 3n41 | 13s51 | 5s 2 | 5s 0 | 8s48 | 2s33 | 4n35 |
| W 2 | 7 53 | 16 19 | 3 51 | 1 58 | 2 26 | 23 30 | 2 32 | 7 38 | 2 42 | 0 27 | 1 7 | 15 6 | 1 57 | 1 23 | 0 46 | 8 31 | 1 45 | 3 41 | 13 51 | 5 2 | 4 59 | 8 46 | 2 32 | 4 35 |
| T 3 | 8 15 | 17 51 | 4 35 | 1 15 | 2 23 | 23 45 | 2 35 | 7 41 | 2 40 | 0 22 | 1 7 | 15 9 | 1 57 | 1 24 | 0 46 | 8 32 | 1 45 | 3 42 | 13 51 | 5 1 | 4 58 | 8 44 | 2 31 | 4 35 |
| F 4 | 8 37 | 18 24 | 5 3 | 0 31 | 2 20 | 23 59 | 2 38 | 7 43 | 2 37 | 0 16 | 1 7 | 15 11 | 1 56 | 1 24 | 0 46 | 8 33 | 1 45 | 3 42 | 13 50 | 5 1 | 4 57 | 8 43 | 2 30 | 4 35 |
| S 5 | 8 58 | 18 0 | 5 16 | 0n14 | 2 16 | 24 13 | 2 41 | 7 44 | 2 34 | 0 10 | 1 7 | 15 13 | 1 56 | 1 25 | 0 46 | 8 33 | 1 45 | 3 43 | 13 50 | 5 1 | 4 55 | 8 41 | 2 28 | 4 36 |
| S 6 | 9 20 | 16 46 | 5 14 | 1 1 | 2 12 | 24 27 | 2 43 | 7 46 | 2 32 | 0 5 | 1 7 | 15 15 | 1 56 | 1 26 | 0 46 | 8 34 | 1 45 | 3 43 | 13 50 | 5 1 | 4 54 | 8 39 | 2 27 | 4 36 |
| M 7 | 9 42 | 14 48 | 4 58 | 1 48 | 2 7 | 24 39 | 2 46 | 7 47 | 2 29 | 0n 0 | 1 7 | 15 17 | 1 56 | 1 27 | 0 46 | 8 35 | 1 45 | 3 44 | 13 50 | 5 1 | 4 53 | 8 37 | 2 26 | 4 36 |
| T 8 | 10 3 | 12 14 | 4 30 | 2 36 | 2 1 | 24 52 | 2 48 | 7 48 | 2 26 | 0 6 | 1 7 | 15 20 | 1 56 | 1 28 | 0 46 | 8 36 | 1 45 | 3 44 | 13 50 | 5 1 | 4 52 | 8 36 | 2 25 | 4 36 |
| W 9 | 10 24 | 9 11 | 3 50 | 3 25 | 1 55 | 25 3 | 2 51 | 7 48 | 2 23 | 0 11 | 1 8 | 15 22 | 1 56 | 1 29 | 0 46 | 8 37 | 1 45 | 3 45 | 13 50 | 5 1 | 4 50 | 8 34 | 2 23 | 4 36 |
| T 10 | 10 45 | 5 45 | 3 0 | 4 15 | 1 49 | 25 14 | 2 53 | 7 48 | 2 21 | 0 17 | 1 8 | 15 24 | 1 56 | 1 30 | 0 46 | 8 37 | 1 45 | 3 45 | 13 50 | 5 2 | 4 49 | 8 32 | 2 22 | 4 36 |
| F 11 | 11 6 | 2 5 | 2 2 | 5 6 | 1 42 | 25 25 | 2 56 | 7 48 | 2 18 | 0 22 | 1 8 | 15 26 | 1 56 | 1 30 | 0 46 | 8 38 | 1 45 | 3 45 | 13 49 | 5 2 | 4 48 | 8 31 | 2 21 | 4 36 |
| S 12 | 11 27 | 1n44 | 0 59 | 5 57 | 1 35 | 25 34 | 2 58 | 7 48 | 2 15 | 0 28 | 1 8 | 15 28 | 1 56 | 1 31 | 0 46 | 8 39 | 1 45 | 3 46 | 13 49 | 5 3 | 4 47 | 8 29 | 2 20 | 4 36 |
| S 13 | 11 47 | 5 31 | 0s 9 | 6 49 | 1 27 | 25 44 | 3 0 | 7 47 | 2 13 | 0 33 | 1 8 | 15 31 | 1 55 | 1 32 | 0 46 | 8 40 | 1 45 | 3 46 | 13 49 | 5 3 | 4 45 | 8 27 | 2 19 | 4 37 |
| M14 | 12 8 | 9 9 | 1 16 | 7 42 | 1 19 | 25 52 | 3 2 | 7 46 | 2 10 | 0 38 | 1 8 | 15 33 | 1 55 | 1 33 | 0 46 | 8 41 | 1 45 | 3 47 | 13 49 | 5 3 | 4 44 | 8 26 | 2 17 | 4 37 |
| T 15 | 12 28 | 12 25 | 2 22 | 8 35 | 1 10 | 26 0 | 3 4 | 7 45 | 2 7 | 0 44 | 1 8 | 15 35 | 1 55 | 1 34 | 0 46 | 8 41 | 1 45 | 3 47 | 13 49 | 5 2 | 4 43 | 8 24 | 2 16 | 4 37 |
| W16 | 12 48 | 15 9 | 3 21 | 9 28 | 1 1 | 26 7 | 3 6 | 7 43 | 2 5 | 0 49 | 1 8 | 15 37 | 1 55 | 1 34 | 0 46 | 8 42 | 1 45 | 3 48 | 13 49 | 5 1 | 4 42 | 8 22 | 2 15 | 4 37 |
| T 17 | 13 7 | 17 10 | 4 11 | 10 22 | 0 52 | 26 14 | 3 7 | 7 41 | 2 2 | 0 54 | 1 8 | 15 39 | 1 55 | 1 35 | 0 46 | 8 43 | 1 45 | 3 48 | 13 49 | 5 0 | 4 40 | 8 20 | 2 14 | 4 37 |
| F 18 | 13 27 | 18 16 | 4 48 | 11 15 | 0 42 | 26 20 | 3 9 | 7 39 | 1 59 | 1 0 | 1 8 | 15 41 | 1 55 | 1 36 | 0 46 | 8 44 | 1 45 | 3 49 | 13 49 | 4 59 | 4 39 | 8 19 | 2 13 | 4 37 |
| S 19 | 13 46 | 18 20 | 5 9 | 12 8 | 0 32 | 26 26 | 3 10 | 7 36 | 1 57 | 1 5 | 1 8 | 15 44 | 1 55 | 1 37 | 0 46 | 8 45 | 1 45 | 3 49 | 13 49 | 4 57 | 4 38 | 8 17 | 2 12 | 4 37 |
| S 20 | 14 5 | 17 21 | 5 14 | 13 1 | 0 22 | 26 31 | 3 12 | 7 34 | 1 54 | 1 10 | 1 9 | 15 46 | 1 55 | 1 37 | 0 46 | 8 45 | 1 45 | 3 49 | 13 49 | 4 56 | 4 37 | 8 15 | 2 11 | 4 38 |
| M21 | 14 24 | 15 19 | 5 0 | 13 54 | 0 12 | 26 35 | 3 13 | 7 30 | 1 51 | 1 15 | 1 9 | 15 48 | 1 55 | 1 38 | 0 46 | 8 46 | 1 45 | 3 50 | 13 48 | 4 56 | 4 35 | 8 14 | 2 9 | 4 38 |
| T 22 | 14 42 | 12 21 | 4 27 | 14 46 | 0 1 | 26 39 | 3 14 | 7 27 | 1 49 | 1 20 | 1 9 | 15 50 | 1 55 | 1 39 | 0 46 | 8 47 | 1 45 | 3 50 | 13 48 | 4 56 | 4 34 | 8 12 | 2 8 | 4 38 |
| W23 | 15 1 | 8 38 | 3 39 | 15 37 | 0n10 | 26 42 | 3 15 | 7 24 | 1 46 | 1 26 | 1 9 | 15 52 | 1 54 | 1 39 | 0 46 | 8 48 | 1 45 | 3 51 | 13 48 | 4 56 | 4 33 | 8 10 | 2 7 | 4 38 |
| T 24 | 15 19 | 4 23 | 2 36 | 16 26 | 0 20 | 26 44 | 3 16 | 7 20 | 1 44 | 1 31 | 1 9 | 15 54 | 1 54 | 1 40 | 0 46 | 8 49 | 1 45 | 3 51 | 13 48 | 4 57 | 4 32 | 8 8 | 2 6 | 4 38 |
| F 25 | 15 37 | 0s 8 | 1 23 | 17 15 | 0 31 | 26 46 | 3 16 | 7 16 | 1 41 | 1 36 | 1 9 | 15 57 | 1 54 | 1 40 | 0 46 | 8 49 | 1 45 | 3 52 | 13 48 | 4 57 | 4 30 | 8 7 | 2 5 | 4 38 |
| S 26 | 15 54 | 4 39 | 0 6 | 18 1 | 0 41 | 26 48 | 3 17 | 7 11 | 1 39 | 1 41 | 1 9 | 15 59 | 1 54 | 1 41 | 0 46 | 8 50 | 1 45 | 3 52 | 13 48 | 4 57 | 4 29 | 8 5 | 2 4 | 4 38 |
| S 27 | 16 11 | 8 52 | 1n12 | 18 47 | 0 51 | 26 48 | 3 17 | 7 7 | 1 36 | 1 46 | 1 9 | 16 1 | 1 54 | 1 42 | 0 45 | 8 51 | 1 45 | 3 52 | 13 48 | 4 57 | 4 28 | 8 3 | 2 3 | 4 39 |
| M28 | 16 29 | 12 33 | 2 24 | 19 30 | 1 1 | 26 49 | 3 18 | 7 2 | 1 34 | 1 51 | 1 9 | 16 3 | 1 54 | 1 42 | 0 45 | 8 52 | 1 45 | 3 53 | 13 48 | 4 56 | 4 27 | 8 2 | 2 2 | 4 39 |
| T 29 | 16 45 | 15 26 | 3 26 | 20 11 | 1 10 | 26 48 | 3 18 | 6 57 | 1 32 | 1 56 | 1 10 | 16 5 | 1 54 | 1 43 | 0 45 | 8 52 | 1 45 | 3 53 | 13 48 | 4 55 | 4 25 | 8 0 | 2 1 | 4 39 |
| W30 | 17n 2 | 17s24 | 4n15 | 20n49 | 1n19 | 26n47 | 3n18 | 6n51 | 1n29 | 2n 1 | 1s10 | 16n 7 | 1s54 | 1n43 | 0n45 | 8n53 | 1s45 | 3n54 | 13s48 | 4s53 | 4s24 | 7s58 | 2s 0 | 4n39 |

Julian Day Number = 2225923.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'23, Lahiri = 15°14'24 Julian Calendar 1 Apr. 1382 == Greg. Calendar 9 Apr. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## MAY 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 7 15 | 18♉10'57 | 20♐38 | 29♉ 2 | 3♋25 | 16♍17 | 7♈57 | 20♉42 | 27°R24 | 27♈16 | 17♉43 | 12°R13 | 11♎ 3 | 1♓23 | 14♓ 5 | T 1 |
| F 2 | 15 11 11 | 19° 8'39 | 3♑33 | 1♊ 4 | 4°20 | 16°26 | 8° 9 | 20°50 | 27♍23 | 27°18 | 17°44 | 12♎ 7 | 10°59 | 1°30 | 14° 7 | F 2 |
| S 3 | 15 15 8 | 20° 6'20 | 16° 9 | 3° 5 | 5°14 | 16°36 | 8°22 | 20°58 | 27°22 | 27°20 | 17°46 | 12° 2 | 10°56 | 1°37 | 14° 9 | S 3 |
| S 4 | 15 19 5 | 21° 4'00 | 28°28 | 5° 3 | 6° 8 | 16°47 | 8°34 | 21° 6 | 27°20 | 27°22 | 17°47 | 11°58 | 10°53 | 1°43 | 14°11 | S 4 |
| M 5 | 15 23 1 | 22° 1'39 | 10♒33 | 6°58 | 7° 1 | 16°58 | 8°47 | 21°14 | 27°19 | 27°25 | 17°48 | 11°56 | 10°50 | 1°50 | 14°13 | M 5 |
| T 6 | 15 26 58 | 22°59'17 | 22°28 | 8°51 | 7°54 | 17° 9 | 8°59 | 21°21 | 27°18 | 27°27 | 17°50 | 11°D55 | 10°47 | 1°57 | 14°14 | T 6 |
| W 7 | 15 30 54 | 23°56'54 | 4♓19 | 10°41 | 8°45 | 17°22 | 9°11 | 21°29 | 27°17 | 27°29 | 17°51 | 11°56 | 10°44 | 2° 3 | 14°16 | W 7 |
| T 8 | 15 34 51 | 24°54'30 | 16°10 | 12°29 | 9°36 | 17°34 | 9°24 | 21°37 | 27°16 | 27°31 | 17°53 | 11°57 | 10°40 | 2°10 | 14°18 | T 8 |
| F 9 | 15 38 47 | 25°52'05 | 28° 6 | 14°14 | 10°27 | 17°48 | 9°36 | 21°45 | 27°15 | 27°33 | 17°54 | 11°58 | 10°37 | 2°17 | 14°20 | F 9 |
| S 10 | 15 42 44 | 26°49'38 | 10♈13 | 15°55 | 11°17 | 18° 2 | 9°48 | 21°53 | 27°14 | 27°35 | 17°55 | 11°R59 | 10°34 | 2°24 | 14°21 | S 10 |
| S 11 | 15 46 40 | 27°47'11 | 22°33 | 17°34 | 12° 6 | 18°16 | 10° 0 | 22° 0 | 27°13 | 27°37 | 17°57 | 11°59 | 10°31 | 2°30 | 14°23 | S 11 |
| M12 | 15 50 37 | 28°44'43 | 5♉10 | 19°10 | 12°54 | 18°31 | 10°12 | 22° 8 | 27°12 | 27°39 | 17°58 | 11°56 | 10°28 | 2°37 | 14°24 | M12 |
| T 13 | 15 54 34 | 29°42'14 | 18° 6 | 20°43 | 13°41 | 18°47 | 10°23 | 22°16 | 27°12 | 27°41 | 17°59 | 11°52 | 10°24 | 2°44 | 14°26 | T 13 |
| W14 | 15 58 30 | 0♊39'44 | 1♊22 | 22°12 | 14°28 | 19° 3 | 10°35 | 22°24 | 27°11 | 27°43 | 18° 1 | 11°45 | 10°21 | 2°50 | 14°27 | W14 |
| T 15 | 16 2 27 | 1°37'13 | 14°55 | 23°39 | 15°14 | 19°19 | 10°47 | 22°32 | 27°10 | 27°45 | 18° 2 | 11°37 | 10°18 | 2°57 | 14°29 | T 15 |
| F 16 | 16 6 23 | 2°34'41 | 28°43 | 25° 3 | 15°59 | 19°36 | 10°58 | 22°39 | 27°10 | 27°47 | 18° 3 | 11°29 | 10°15 | 3° 4 | 14°30 | F 16 |
| S 17 | 16 10 20 | 3°32'08 | 12♋43 | 26°23 | 16°43 | 19°54 | 11°10 | 22°47 | 27° 9 | 27°49 | 18° 5 | 11°21 | 10°12 | 3°10 | 14°31 | S 17 |
| S 18 | 16 14 16 | 4°29'34 | 26°50 | 27°40 | 17°26 | 20°12 | 11°21 | 22°55 | 27° 8 | 27°51 | 18° 6 | 11°15 | 10° 9 | 3°17 | 14°33 | S 18 |
| M19 | 16 18 13 | 5°26'58 | 11♌ 2 | 28°54 | 18° 8 | 20°30 | 11°32 | 23° 3 | 27° 8 | 27°52 | 18° 7 | 11°10 | 10° 5 | 3°24 | 14°34 | M19 |
| T 20 | 16 22 9 | 6°24'22 | 25°14 | 0♋ 5 | 18°49 | 20°49 | 11°43 | 23°10 | 27° 8 | 27°54 | 18° 8 | 11° 8 | 10° 2 | 3°30 | 14°35 | T 20 |
| W21 | 16 26 6 | 7°21'44 | 9♍24 | 1°12 | 19°29 | 21° 8 | 11°54 | 23°18 | 27° 7 | 27°56 | 18°10 | 11°D 7 | 9°59 | 3°37 | 14°36 | W21 |
| T 22 | 16 30 3 | 8°19'05 | 23°31 | 2°16 | 20° 8 | 21°28 | 12° 5 | 23°26 | 27° 7 | 27°58 | 18°11 | 11° 8 | 9°56 | 3°44 | 14°37 | T 22 |
| F 23 | 16 33 59 | 9°16'24 | 7♎34 | 3°17 | 20°45 | 21°48 | 12°16 | 23°33 | 27° 7 | 28° 0 | 18°12 | 11°R 9 | 9°53 | 3°50 | 14°38 | F 23 |
| S 24 | 16 37 56 | 10°13'43 | 21°31 | 4°13 | 21°22 | 22° 9 | 12°27 | 23°41 | 27° 6 | 28° 2 | 18°14 | 11° 8 | 9°50 | 3°57 | 14°39 | S 24 |
| S 25 | 16 41 52 | 11°11'01 | 5♏22 | 5° 7 | 21°57 | 22°30 | 12°38 | 23°48 | 27° 6 | 28° 3 | 18°15 | 11° 6 | 9°46 | 4° 4 | 14°40 | S 25 |
| M26 | 16 45 49 | 12° 8'18 | 19° 3 | 5°56 | 22°31 | 22°51 | 12°48 | 23°56 | 27° 6 | 28° 5 | 18°16 | 11° 1 | 9°43 | 4°10 | 14°41 | M26 |
| T 27 | 16 49 45 | 13° 5'34 | 2♐34 | 6°42 | 23° 3 | 23°13 | 12°59 | 24° 4 | 27°D 6 | 28° 7 | 18°17 | 10°54 | 9°40 | 4°17 | 14°41 | T 27 |
| W28 | 16 53 42 | 14° 2'49 | 15°51 | 7°23 | 23°34 | 23°35 | 13° 9 | 24°11 | 27° 6 | 28° 9 | 18°19 | 10°45 | 9°37 | 4°24 | 14°42 | W28 |
| T 29 | 16 57 38 | 15° 0'04 | 28°54 | 8° 1 | 24° 4 | 23°58 | 13°19 | 24°19 | 27° 6 | 28°10 | 18°20 | 10°34 | 9°34 | 4°30 | 14°43 | T 29 |
| F 30 | 17 1 35 | 15°57'18 | 11♑40 | 8°34 | 24°32 | 24°21 | 13°30 | 24°26 | 27° 6 | 28°12 | 18°21 | 10°23 | 9°30 | 4°37 | 14°43 | F 30 |
| S 31 | 17 5 32 | 16♊54'32 | 24♑11 | 9♋ 4 | 24♋59 | 24♍44 | 13♈40 | 24♉34 | 27♍ 7 | 28♈14 | 18♉22 | 10♎13 | 9♎27 | 4♓44 | 14♓44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n18 | 18s22 | 4n49 | 21n26 | 1n28 | 26n46 | 3n18 | 6n46 | 1n27 | 2n 6 | 1s10 | 16n 9 | 1s54 | 1n44 | 0n45 | 8n54 | 1s45 | 3n54 | 13s48 | 4s51 | 4s23 | 7s56 | 1s59 | 4n39 |
| F 2 | 17 34 | 18 21 | 5 8 | 22 0 | 1 35 | 26 44 | 3 17 | 6 40 | 1 25 | 2 10 | 1 10 | 16 11 | 1 54 | 1 44 | 0 45 | 8 55 | 1 45 | 3 54 | 13 48 | 4 48 | 4 22 | 7 55 | 1 58 | 4 39 |
| S 3 | 17 50 | 17 24 | 5 10 | 22 31 | 1 43 | 26 41 | 3 17 | 6 34 | 1 22 | 2 15 | 1 10 | 16 14 | 1 54 | 1 45 | 0 45 | 8 55 | 1 45 | 3 55 | 13 48 | 4 46 | 4 21 | 7 53 | 1 57 | 4 40 |
| S 4 | 18 5 | 15 40 | 4 58 | 23 0 | 1 49 | 26 38 | 3 16 | 6 28 | 1 20 | 2 20 | 1 10 | 16 16 | 1 54 | 1 45 | 0 45 | 8 56 | 1 45 | 3 55 | 13 48 | 4 45 | 4 19 | 7 51 | 1 56 | 4 40 |
| M 5 | 18 20 | 13 16 | 4 33 | 23 26 | 1 55 | 26 35 | 3 15 | 6 22 | 1 18 | 2 25 | 1 10 | 16 18 | 1 54 | 1 46 | 0 45 | 8 57 | 1 45 | 3 55 | 13 48 | 4 44 | 4 18 | 7 50 | 1 56 | 4 40 |
| T 6 | 18 35 | 10 20 | 3 57 | 23 50 | 2 0 | 26 31 | 3 14 | 6 15 | 1 16 | 2 30 | 1 10 | 16 20 | 1 54 | 1 46 | 0 45 | 8 58 | 1 45 | 3 56 | 13 48 | 4 44 | 4 17 | 7 48 | 1 55 | 4 40 |
| W 7 | 18 49 | 7 0 | 3 10 | 24 11 | 2 5 | 26 26 | 3 13 | 6 8 | 1 13 | 2 34 | 1 11 | 16 22 | 1 54 | 1 46 | 0 45 | 8 58 | 1 45 | 3 56 | 13 48 | 4 44 | 4 16 | 7 46 | 1 54 | 4 40 |
| T 8 | 19 3 | 3 24 | 2 16 | 24 29 | 2 8 | 26 21 | 3 11 | 6 1 | 1 11 | 2 39 | 1 11 | 16 24 | 1 54 | 1 47 | 0 45 | 8 59 | 1 45 | 3 56 | 13 48 | 4 44 | 4 14 | 7 44 | 1 53 | 4 41 |
| F 9 | 19 17 | 0n23 | 1 15 | 24 45 | 2 11 | 26 15 | 3 10 | 5 54 | 1 9 | 2 44 | 1 11 | 16 26 | 1 54 | 1 47 | 0 45 | 9 0 | 1 45 | 3 57 | 13 48 | 4 45 | 4 13 | 7 43 | 1 52 | 4 41 |
| S 10 | 19 31 | 4 12 | 0 10 | 24 59 | 2 13 | 26 9 | 3 8 | 5 47 | 1 7 | 2 48 | 1 11 | 16 28 | 1 54 | 1 47 | 0 45 | 9 0 | 1 45 | 3 57 | 13 48 | 4 45 | 4 12 | 7 41 | 1 51 | 4 41 |
| S 11 | 19 44 | 7 55 | 0s57 | 25 10 | 2 15 | 26 3 | 3 6 | 5 39 | 1 5 | 2 53 | 1 11 | 16 30 | 1 53 | 1 48 | 0 45 | 9 1 | 1 45 | 3 57 | 13 48 | 4 45 | 4 11 | 7 39 | 1 51 | 4 41 |
| M12 | 19 57 | 11 22 | 2 2 | 25 19 | 2 15 | 25 56 | 3 4 | 5 31 | 1 3 | 2 57 | 1 11 | 16 32 | 1 53 | 1 48 | 0 45 | 9 2 | 1 45 | 3 58 | 13 48 | 4 44 | 4 9 | 7 37 | 1 50 | 4 41 |
| T 13 | 20 9 | 14 22 | 3 2 | 25 26 | 2 15 | 25 49 | 3 1 | 5 23 | 1 1 | 3 2 | 1 11 | 16 34 | 1 53 | 1 48 | 0 45 | 9 3 | 1 45 | 3 58 | 13 48 | 4 42 | 4 8 | 7 36 | 1 49 | 4 42 |
| W14 | 20 21 | 16 40 | 3 54 | 25 31 | 2 14 | 25 41 | 2 58 | 5 15 | 0 59 | 3 6 | 1 12 | 16 36 | 1 53 | 1 49 | 0 45 | 9 3 | 1 45 | 3 58 | 13 48 | 4 40 | 4 7 | 7 34 | 1 48 | 4 42 |
| T 15 | 20 33 | 18 7 | 4 34 | 25 33 | 2 12 | 25 33 | 2 55 | 5 7 | 0 57 | 3 11 | 1 12 | 16 38 | 1 53 | 1 49 | 0 45 | 9 4 | 1 45 | 3 59 | 13 48 | 4 37 | 4 6 | 7 32 | 1 48 | 4 42 |
| F 16 | 20 45 | 18 32 | 4 59 | 25 34 | 2 9 | 25 24 | 2 52 | 4 58 | 0 55 | 3 15 | 1 12 | 16 40 | 1 53 | 1 49 | 0 45 | 9 5 | 1 46 | 3 59 | 13 48 | 4 33 | 4 4 | 7 31 | 1 47 | 4 42 |
| S 17 | 20 56 | 17 49 | 5 6 | 25 33 | 2 5 | 25 16 | 2 49 | 4 50 | 0 53 | 3 19 | 1 12 | 16 42 | 1 53 | 1 49 | 0 45 | 9 5 | 1 46 | 3 59 | 13 48 | 4 30 | 4 3 | 7 29 | 1 46 | 4 42 |
| S 18 | 21 6 | 16 1 | 4 55 | 25 31 | 2 1 | 25 6 | 2 45 | 4 41 | 0 51 | 3 24 | 1 12 | 16 44 | 1 53 | 1 49 | 0 45 | 9 6 | 1 46 | 4 0 | 13 48 | 4 28 | 4 2 | 7 27 | 1 46 | 4 43 |
| M19 | 21 17 | 13 15 | 4 26 | 25 27 | 1 56 | 24 57 | 2 41 | 4 32 | 0 49 | 3 28 | 1 12 | 16 46 | 1 53 | 1 50 | 0 45 | 9 6 | 1 46 | 4 0 | 13 48 | 4 26 | 4 1 | 7 25 | 1 45 | 4 43 |
| T 20 | 21 27 | 9 41 | 3 41 | 25 21 | 1 50 | 24 47 | 2 37 | 4 22 | 0 47 | 3 32 | 1 13 | 16 48 | 1 53 | 1 50 | 0 45 | 9 7 | 1 46 | 4 0 | 13 48 | 4 25 | 3 59 | 7 24 | 1 44 | 4 43 |
| W21 | 21 37 | 5 34 | 2 42 | 25 14 | 1 44 | 24 37 | 2 33 | 4 13 | 0 45 | 3 36 | 1 13 | 16 50 | 1 53 | 1 50 | 0 45 | 9 8 | 1 46 | 4 1 | 13 48 | 4 25 | 3 58 | 7 22 | 1 44 | 4 43 |
| T 22 | 21 46 | 1 9 | 1 33 | 25 6 | 1 36 | 24 27 | 2 28 | 4 4 | 0 44 | 3 41 | 1 13 | 16 52 | 1 53 | 1 50 | 0 44 | 9 8 | 1 46 | 4 1 | 13 48 | 4 25 | 3 57 | 7 20 | 1 43 | 4 43 |
| F 23 | 21 55 | 3s18 | 0 19 | 24 57 | 1 28 | 24 16 | 2 23 | 3 54 | 0 42 | 3 45 | 1 13 | 16 54 | 1 53 | 1 50 | 0 44 | 9 9 | 1 46 | 4 1 | 13 48 | 4 25 | 3 56 | 7 18 | 1 43 | 4 44 |
| S 24 | 22 3 | 7 34 | 0n55 | 24 46 | 1 19 | 24 5 | 2 18 | 3 44 | 0 40 | 3 49 | 1 13 | 16 55 | 1 53 | 1 50 | 0 44 | 9 10 | 1 46 | 4 1 | 13 48 | 4 25 | 3 54 | 7 17 | 1 42 | 4 44 |
| S 25 | 22 11 | 11 22 | 2 6 | 24 34 | 1 9 | 23 54 | 2 13 | 3 34 | 0 38 | 3 53 | 1 13 | 16 57 | 1 53 | 1 50 | 0 44 | 9 10 | 1 46 | 4 2 | 13 49 | 4 24 | 3 53 | 7 15 | 1 41 | 4 44 |
| M26 | 22 19 | 14 32 | 3 8 | 24 22 | 0 59 | 23 43 | 2 7 | 3 24 | 0 37 | 3 57 | 1 14 | 16 59 | 1 53 | 1 50 | 0 44 | 9 11 | 1 46 | 4 2 | 13 49 | 4 22 | 3 52 | 7 13 | 1 41 | 4 44 |
| T 27 | 22 27 | 16 50 | 3 59 | 24 9 | 0 48 | 23 31 | 2 1 | 3 14 | 0 35 | 4 1 | 1 14 | 17 1 | 1 53 | 1 50 | 0 44 | 9 11 | 1 46 | 4 2 | 13 49 | 4 20 | 3 50 | 7 11 | 1 40 | 4 44 |
| W28 | 22 34 | 18 12 | 4 35 | 23 55 | 0 36 | 23 20 | 1 54 | 3 4 | 0 33 | 4 4 | 1 14 | 17 3 | 1 53 | 1 50 | 0 44 | 9 12 | 1 46 | 4 2 | 13 49 | 4 16 | 3 49 | 7 10 | 1 40 | 4 45 |
| T 29 | 22 40 | 18 34 | 4 57 | 23 40 | 0 24 | 23 8 | 1 48 | 2 53 | 0 31 | 4 8 | 1 14 | 17 5 | 1 53 | 1 50 | 0 44 | 9 12 | 1 46 | 4 3 | 13 49 | 4 12 | 3 48 | 7 8 | 1 40 | 4 45 |
| F 30 | 22 46 | 17 58 | 5 3 | 23 25 | 0 11 | 22 56 | 1 41 | 2 43 | 0 30 | 4 12 | 1 14 | 17 7 | 1 53 | 1 50 | 0 44 | 9 13 | 1 46 | 4 3 | 13 49 | 4 7 | 3 47 | 7 6 | 1 39 | 4 45 |
| S 31 | 22n52 | 16s31 | 4n54 | 23n10 | 0s 3 | 22n44 | 1n33 | 2n32 | 0n28 | 4n16 | 1s15 | 17n 8 | 1s53 | 1n50 | 0n44 | 9n14 | 1s46 | 4n 3 | 13s49 | 4s 3 | 3s45 | 7s 4 | 1s39 | 4n45 |

Julian Day Number = 2225953.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'28, Lahiri = 15°14'28 Julian Calendar 1 May 1382 == Greg. Calendar 9 May 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## JUNE 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 28 | 17♊51'45 | 6♒26 | 9♋28 | 25♋24 | 25♍ 8 | 13♈49 | 24♉41 | 27♍ 7 | 28♈15 | 18♉24 | 10°R 4 | 9♎24 | 4♓50 | 14♓44 | S 1 |
| M 2 | 17 13 25 | 18°48'59 | 18°29 | 9°49 | 25°47 | 25°32 | 13°59 | 24°48 | 27° 7 | 28°17 | 18°25 | 9♎58 | 9°21 | 4°57 | 14°45 | M 2 |
| T 3 | 17 17 21 | 19°46'11 | 0♓23 | 10° 5 | 26° 9 | 25°56 | 14° 9 | 24°56 | 27° 7 | 28°18 | 18°26 | 9°54 | 9°18 | 5° 4 | 14°45 | T 3 |
| W 4 | 17 21 18 | 20°43'24 | 12°13 | 10°17 | 26°28 | 26°21 | 14°19 | 25° 3 | 27° 8 | 28°20 | 18°27 | 9°52 | 9°15 | 5°10 | 14°46 | W 4 |
| T 5 | 17 25 14 | 21°40'36 | 24° 4 | 10°24 | 26°46 | 26°46 | 14°28 | 25°10 | 27° 8 | 28°21 | 18°28 | 9°D52 | 9°11 | 5°17 | 14°46 | T 5 |
| F 6 | 17 29 11 | 22°37'49 | 6♈ 0 | 10°R26 | 27° 2 | 27°11 | 14°37 | 25°18 | 27° 9 | 28°23 | 18°29 | 9°R52 | 9° 8 | 5°24 | 14°46 | F 6 |
| S 7 | 17 33 7 | 23°35'01 | 18° 8 | 10°24 | 27°16 | 27°36 | 14°47 | 25°25 | 27° 9 | 28°24 | 18°31 | 9°52 | 9° 5 | 5°30 | 14°46 | S 7 |
| S 8 | 17 37 4 | 24°32'13 | 0♉32 | 10°17 | 27°28 | 28° 2 | 14°56 | 25°32 | 27°10 | 28°26 | 18°32 | 9°50 | 9° 2 | 5°37 | 14°46 | S 8 |
| M 9 | 17 41 1 | 25°29'26 | 13°17 | 10° 6 | 27°38 | 28°29 | 15° 5 | 25°39 | 27°10 | 28°27 | 18°33 | 9°46 | 8°59 | 5°44 | 14°46 | M 9 |
| T 10 | 17 44 57 | 26°26'38 | 26°24 | 9°51 | 27°46 | 28°55 | 15°13 | 25°46 | 27°11 | 28°29 | 18°34 | 9°40 | 8°55 | 5°50 | 14°R46 | T 10 |
| W11 | 17 48 54 | 27°23'50 | 9♊56 | 9°32 | 27°52 | 29°22 | 15°22 | 25°53 | 27°12 | 28°30 | 18°35 | 9°31 | 8°52 | 5°57 | 14°46 | W11 |
| T 12 | 17 52 50 | 28°21'02 | 23°50 | 9° 8 | 27°55 | 29°49 | 15°31 | 26° 0 | 27°13 | 28°31 | 18°36 | 9°21 | 8°49 | 6° 4 | 14°46 | T 12 |
| F 13 | 17 56 47 | 29°18'14 | 8♋ 3 | 8°42 | 27°R57 | 0♎17 | 15°39 | 26° 8 | 27°13 | 28°33 | 18°37 | 9° 9 | 8°46 | 6°10 | 14°46 | F 13 |
| S 14 | 18 0 43 | 0♋15'26 | 22°29 | 8°12 | 27°55 | 0°44 | 15°47 | 26°14 | 27°14 | 28°34 | 18°38 | 8°58 | 8°43 | 6°17 | 14°46 | S 14 |
| S 15 | 18 4 40 | 1°12'38 | 7♌ 2 | 7°40 | 27°52 | 1°12 | 15°56 | 26°21 | 27°15 | 28°35 | 18°39 | 8°49 | 8°40 | 6°24 | 14°46 | S 15 |
| M16 | 18 8 37 | 2° 9'49 | 21°35 | 7° 6 | 27°46 | 1°40 | 16° 4 | 26°28 | 27°16 | 28°37 | 18°40 | 8°42 | 8°36 | 6°30 | 14°45 | M16 |
| T 17 | 18 12 33 | 3° 7'00 | 6♍ 2 | 6°30 | 27°38 | 2° 9 | 16°12 | 26°35 | 27°17 | 28°38 | 18°41 | 8°38 | 8°33 | 6°37 | 14°45 | T 17 |
| W18 | 18 16 30 | 4° 4'11 | 20°20 | 5°53 | 27°27 | 2°38 | 16°19 | 26°42 | 27°18 | 28°39 | 18°42 | 8°36 | 8°30 | 6°44 | 14°45 | W18 |
| T 19 | 18 20 26 | 5° 1'21 | 4♎26 | 5°16 | 27°14 | 3° 7 | 16°27 | 26°49 | 27°20 | 28°40 | 18°43 | 8°36 | 8°27 | 6°50 | 14°44 | T 19 |
| F 20 | 18 24 23 | 5°58'32 | 18°20 | 4°38 | 26°59 | 3°36 | 16°34 | 26°55 | 27°21 | 28°41 | 18°44 | 8°36 | 8°24 | 6°57 | 14°43 | F 20 |
| S 21 | 18 28 19 | 6°55'42 | 2♏ 2 | 4° 2 | 26°41 | 4° 6 | 16°42 | 27° 2 | 27°22 | 28°42 | 18°45 | 8°35 | 8°21 | 7° 4 | 14°43 | S 21 |
| S 22 | 18 32 16 | 7°52'52 | 15°33 | 3°28 | 26°21 | 4°35 | 16°49 | 27° 9 | 27°23 | 28°43 | 18°46 | 8°32 | 8°17 | 7°10 | 14°42 | S 22 |
| M23 | 18 36 12 | 8°50'02 | 28°52 | 2°55 | 25°58 | 5° 5 | 16°56 | 27°15 | 27°25 | 28°44 | 18°47 | 8°26 | 8°14 | 7°17 | 14°42 | M23 |
| T 24 | 18 40 9 | 9°47'12 | 12♐ 0 | 2°26 | 25°34 | 5°36 | 17° 3 | 27°22 | 27°26 | 28°45 | 18°48 | 8°17 | 8°11 | 7°24 | 14°41 | T 24 |
| W25 | 18 44 6 | 10°44'22 | 24°57 | 1°59 | 25° 8 | 6° 6 | 17° 9 | 27°28 | 27°28 | 28°46 | 18°49 | 8° 6 | 8° 8 | 7°30 | 14°40 | W25 |
| T 26 | 18 48 2 | 11°41'33 | 7♑41 | 1°37 | 24°39 | 6°37 | 17°16 | 27°34 | 27°29 | 28°47 | 18°50 | 7°53 | 8° 5 | 7°37 | 14°39 | T 26 |
| F 27 | 18 51 59 | 12°38'44 | 20°13 | 1°18 | 24° 9 | 7° 8 | 17°22 | 27°41 | 27°31 | 28°48 | 18°51 | 7°40 | 8° 1 | 7°44 | 14°38 | F 27 |
| S 28 | 18 55 55 | 13°35'55 | 2♒32 | 1° 4 | 23°37 | 7°39 | 17°29 | 27°47 | 27°32 | 28°49 | 18°52 | 7°28 | 7°58 | 7°50 | 14°37 | S 28 |
| S 29 | 18 59 52 | 14°33'06 | 14°40 | 0°55 | 23° 4 | 8°10 | 17°35 | 27°53 | 27°34 | 28°50 | 18°53 | 7°17 | 7°55 | 7°57 | 14°36 | S 29 |
| M30 | 19 3 48 | 15♋30'18 | 26♒39 | 0°D51 | 22♋29 | 8♎42 | 17♈41 | 27♉59 | 27♍36 | 28♈51 | 18♉53 | 7♎ 9 | 7♎52 | 8♓ 4 | 14♓35 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n58 | 14s20 | 4n32 | 22n54 | 0s17 | 22n32 | 1n25 | 2n21 | 0n27 | 4n19 | 1s15 | 17n10 | 1s53 | 1n50 | 0n44 | 9n14 | 1s46 | 4n 3 | 13s49 | 4s 0 | 3s44 | 7s 3 | 1s38 | 4n45 |
| M 2 | 23 3 | 11 34 | 3 58 | 22 38 | 0 32 | 22 19 | 1 17 | 2 10 | 0 25 | 4 23 | 1 15 | 17 12 | 1 53 | 1 49 | 0 44 | 9 15 | 1 46 | 4 3 | 13 49 | 3 58 | 3 43 | 7 1 | 1 38 | 4 46 |
| T 3 | 23 7 | 8 21 | 3 14 | 22 21 | 0 47 | 22 7 | 1 9 | 1 59 | 0 23 | 4 27 | 1 15 | 17 14 | 1 53 | 1 49 | 0 44 | 9 15 | 1 46 | 4 4 | 13 49 | 3 56 | 3 42 | 6 59 | 1 38 | 4 46 |
| W 4 | 23 11 | 4 49 | 2 22 | 22 5 | 1 2 | 21 55 | 1 0 | 1 48 | 0 22 | 4 30 | 1 15 | 17 15 | 1 53 | 1 49 | 0 44 | 9 16 | 1 46 | 4 4 | 13 50 | 3 55 | 3 40 | 6 57 | 1 37 | 4 46 |
| T 5 | 23 15 | 1 6 | 1 23 | 21 48 | 1 18 | 21 42 | 0 51 | 1 36 | 0 20 | 4 34 | 1 16 | 17 17 | 1 53 | 1 49 | 0 44 | 9 16 | 1 46 | 4 4 | 13 50 | 3 55 | 3 39 | 6 56 | 1 37 | 4 46 |
| F 6 | 23 19 | 2n42 | 0 21 | 21 32 | 1 34 | 21 30 | 0 42 | 1 25 | 0 19 | 4 37 | 1 16 | 17 19 | 1 54 | 1 49 | 0 44 | 9 17 | 1 46 | 4 4 | 13 50 | 3 55 | 3 38 | 6 54 | 1 37 | 4 47 |
| S 7 | 23 22 | 6 28 | 0s44 | 21 16 | 1 51 | 21 18 | 0 32 | 1 13 | 0 17 | 4 40 | 1 16 | 17 20 | 1 54 | 1 48 | 0 44 | 9 17 | 1 46 | 4 4 | 13 50 | 3 55 | 3 37 | 6 52 | 1 36 | 4 47 |
| S 8 | 23 24 | 10 1 | 1 47 | 21 0 | 2 7 | 21 5 | 0 22 | 1 1 | 0 16 | 4 44 | 1 16 | 17 22 | 1 54 | 1 48 | 0 44 | 9 18 | 1 47 | 4 4 | 13 50 | 3 55 | 3 35 | 6 50 | 1 36 | 4 47 |
| M 9 | 23 26 | 13 13 | 2 47 | 20 45 | 2 23 | 20 53 | 0 11 | 0 50 | 0 14 | 4 47 | 1 16 | 17 24 | 1 54 | 1 48 | 0 44 | 9 18 | 1 47 | 4 5 | 13 50 | 3 53 | 3 34 | 6 49 | 1 36 | 4 47 |
| T 10 | 23 28 | 15 50 | 3 40 | 20 30 | 2 39 | 20 41 | 0 0 | 0 38 | 0 13 | 4 50 | 1 17 | 17 25 | 1 54 | 1 47 | 0 44 | 9 18 | 1 47 | 4 5 | 13 50 | 3 50 | 3 33 | 6 47 | 1 36 | 4 47 |
| W11 | 23 29 | 17 41 | 4 22 | 20 16 | 2 55 | 20 29 | 0s11 | 0 26 | 0 11 | 4 53 | 1 17 | 17 27 | 1 54 | 1 47 | 0 44 | 9 19 | 1 47 | 4 5 | 13 51 | 3 47 | 3 32 | 6 45 | 1 36 | 4 48 |
| T 12 | 23 30 | 18 32 | 4 50 | 20 3 | 3 10 | 20 17 | 0 22 | 0 14 | 0 10 | 4 56 | 1 17 | 17 29 | 1 54 | 1 47 | 0 44 | 9 19 | 1 47 | 4 5 | 13 51 | 3 43 | 3 30 | 6 43 | 1 35 | 4 48 |
| F 13 | 23 31 | 18 16 | 5 1 | 19 50 | 3 25 | 20 5 | 0 34 | 0 1 | 0 9 | 5 0 | 1 17 | 17 30 | 1 54 | 1 46 | 0 44 | 9 20 | 1 47 | 4 5 | 13 51 | 3 38 | 3 29 | 6 42 | 1 35 | 4 48 |
| S 14 | 23 31 | 16 49 | 4 53 | 19 38 | 3 38 | 19 53 | 0 47 | 0s11 | 0 7 | 5 3 | 1 17 | 17 32 | 1 54 | 1 46 | 0 43 | 9 20 | 1 47 | 4 5 | 13 51 | 3 34 | 3 28 | 6 40 | 1 35 | 4 48 |
| S 15 | 23 31 | 14 17 | 4 26 | 19 27 | 3 51 | 19 41 | 0 59 | 0 23 | 0 6 | 5 5 | 1 18 | 17 33 | 1 54 | 1 46 | 0 43 | 9 21 | 1 47 | 4 5 | 13 51 | 3 30 | 3 27 | 6 38 | 1 35 | 4 48 |
| M16 | 23 30 | 10 52 | 3 41 | 19 17 | 4 3 | 19 30 | 1 12 | 0 36 | 0 5 | 5 8 | 1 18 | 17 35 | 1 54 | 1 45 | 0 43 | 9 21 | 1 47 | 4 5 | 13 51 | 3 28 | 3 25 | 6 36 | 1 35 | 4 49 |
| T 17 | 23 29 | 6 48 | 2 43 | 19 8 | 4 14 | 19 19 | 1 25 | 0 48 | 0 3 | 5 11 | 1 18 | 17 36 | 1 54 | 1 45 | 0 43 | 9 21 | 1 47 | 4 6 | 13 51 | 3 26 | 3 24 | 6 35 | 1 35 | 4 49 |
| W18 | 23 27 | 2 23 | 1 35 | 19 0 | 4 23 | 19 8 | 1 38 | 1 1 | 0 2 | 5 14 | 1 18 | 17 38 | 1 54 | 1 44 | 0 43 | 9 22 | 1 47 | 4 6 | 13 52 | 3 25 | 3 23 | 6 33 | 1 35 | 4 49 |
| T 19 | 23 25 | 2s 6 | 0 22 | 18 54 | 4 31 | 18 57 | 1 52 | 1 14 | 0 1 | 5 17 | 1 19 | 17 39 | 1 54 | 1 44 | 0 43 | 9 22 | 1 47 | 4 6 | 13 52 | 3 25 | 3 22 | 6 31 | 1 35 | 4 49 |
| F 20 | 23 23 | 6 25 | 0n51 | 18 49 | 4 37 | 18 46 | 2 6 | 1 27 | 0s 1 | 5 19 | 1 19 | 17 41 | 1 54 | 1 43 | 0 43 | 9 22 | 1 47 | 4 6 | 13 52 | 3 25 | 3 20 | 6 29 | 1 35 | 4 49 |
| S 21 | 23 20 | 10 20 | 2 1 | 18 45 | 4 42 | 18 36 | 2 20 | 1 40 | 0 2 | 5 22 | 1 19 | 17 42 | 1 54 | 1 43 | 0 43 | 9 23 | 1 47 | 4 6 | 13 52 | 3 25 | 3 19 | 6 28 | 1 35 | 4 50 |
| S 22 | 23 17 | 13 39 | 3 2 | 18 43 | 4 45 | 18 26 | 2 34 | 1 53 | 0 3 | 5 24 | 1 19 | 17 44 | 1 54 | 1 42 | 0 43 | 9 23 | 1 47 | 4 6 | 13 52 | 3 23 | 3 18 | 6 26 | 1 35 | 4 50 |
| M23 | 23 13 | 16 11 | 3 53 | 18 42 | 4 47 | 18 16 | 2 48 | 2 6 | 0 4 | 5 27 | 1 20 | 17 45 | 1 54 | 1 41 | 0 43 | 9 23 | 1 47 | 4 6 | 13 53 | 3 21 | 3 17 | 6 24 | 1 35 | 4 50 |
| T 24 | 23 9 | 17 51 | 4 30 | 18 43 | 4 47 | 18 7 | 3 2 | 2 19 | 0 6 | 5 29 | 1 20 | 17 46 | 1 55 | 1 41 | 0 43 | 9 24 | 1 47 | 4 6 | 13 53 | 3 18 | 3 15 | 6 22 | 1 35 | 4 50 |
| W25 | 23 5 | 18 33 | 4 53 | 18 45 | 4 46 | 17 57 | 3 16 | 2 32 | 0 7 | 5 32 | 1 20 | 17 48 | 1 55 | 1 40 | 0 43 | 9 24 | 1 47 | 4 6 | 13 53 | 3 13 | 3 14 | 6 21 | 1 35 | 4 50 |
| T 26 | 23 0 | 18 18 | 5 0 | 18 48 | 4 42 | 17 49 | 3 31 | 2 45 | 0 8 | 5 34 | 1 20 | 17 49 | 1 55 | 1 40 | 0 43 | 9 24 | 1 47 | 4 6 | 13 53 | 3 8 | 3 13 | 6 19 | 1 36 | 4 51 |
| F 27 | 22 55 | 17 9 | 4 53 | 18 53 | 4 38 | 17 40 | 3 45 | 2 59 | 0 9 | 5 36 | 1 21 | 17 51 | 1 55 | 1 39 | 0 43 | 9 25 | 1 48 | 4 6 | 13 53 | 3 3 | 3 12 | 6 17 | 1 36 | 4 51 |
| S 28 | 22 49 | 15 14 | 4 33 | 18 59 | 4 32 | 17 32 | 3 58 | 3 12 | 0 10 | 5 38 | 1 21 | 17 52 | 1 55 | 1 38 | 0 43 | 9 25 | 1 48 | 4 6 | 13 54 | 2 58 | 3 10 | 6 15 | 1 36 | 4 51 |
| S 29 | 22 43 | 12 40 | 4 0 | 19 6 | 4 25 | 17 24 | 4 12 | 3 26 | 0 12 | 5 40 | 1 21 | 17 53 | 1 55 | 1 38 | 0 43 | 9 25 | 1 48 | 4 6 | 13 54 | 2 54 | 3 9 | 6 14 | 1 36 | 4 51 |
| M30 | 22n37 | 9s36 | 3n16 | 19n14 | 4s16 | 17n16 | 4s25 | 3s39 | 0s13 | 5n42 | 1s21 | 17n54 | 1s55 | 1n37 | 0n43 | 9n25 | 1s48 | 4n 6 | 13s54 | 2s51 | 3s 8 | 6s12 | 1s36 | 4n51 |

Julian Day Number = 2225984.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'00, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'32, Lahiri = 15°14'32 Julian Calendar 1 June 1382 == Greg. Calendar 9 June 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## JULY 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 7 45 | 16♋27'31 | 8♓30 | 0♋53 | 21°R54 | 9♎14 | 17♈46 | 28♉ 5 | 27♍37 | 28♈52 | 18♉54 | 7°R 4 | 7♎49 | 8♓10 | 14°R34 | T 1 |
| W 2 | 19 11 41 | 17°24'44 | 20°18 | 1° 0 | 21♋17 | 9°46 | 17°52 | 28°12 | 27°39 | 28°52 | 18°55 | 7♎ 1 | 7°46 | 8°17 | 14♓33 | W 2 |
| T 3 | 19 15 38 | 18°21'58 | 2♈ 7 | 1°13 | 20°40 | 10°18 | 17°58 | 28°18 | 27°41 | 28°53 | 18°56 | 7°D 0 | 7°42 | 8°24 | 14°32 | T 3 |
| F 4 | 19 19 35 | 19°19'13 | 14° 3 | 1°31 | 20° 3 | 10°50 | 18° 3 | 28°23 | 27°43 | 28°54 | 18°57 | 7°R 0 | 7°39 | 8°30 | 14°30 | F 4 |
| S 5 | 19 23 31 | 20°16'29 | 26°10 | 1°55 | 19°26 | 11°23 | 18° 8 | 28°29 | 27°45 | 28°55 | 18°57 | 7° 0 | 7°36 | 8°37 | 14°29 | S 5 |
| S 6 | 19 27 28 | 21°13'46 | 8♉33 | 2°25 | 18°48 | 11°56 | 18°13 | 28°35 | 27°47 | 28°55 | 18°58 | 6°59 | 7°33 | 8°44 | 14°28 | S 6 |
| M 7 | 19 31 24 | 22°11'03 | 21°19 | 3° 1 | 18°11 | 12°29 | 18°18 | 28°41 | 27°49 | 28°56 | 18°59 | 6°56 | 7°30 | 8°50 | 14°26 | M 7 |
| T 8 | 19 35 21 | 23° 8'22 | 4♊30 | 3°42 | 17°35 | 13° 2 | 18°22 | 28°46 | 27°51 | 28°56 | 18°59 | 6°50 | 7°27 | 8°57 | 14°25 | T 8 |
| W 9 | 19 39 17 | 24° 5'41 | 18° 9 | 4°29 | 17° 0 | 13°35 | 18°27 | 28°52 | 27°53 | 28°57 | 19° 0 | 6°42 | 7°23 | 9° 4 | 14°23 | W 9 |
| T 10 | 19 43 14 | 25° 3'01 | 2♋14 | 5°22 | 16°25 | 14° 9 | 18°31 | 28°58 | 27°55 | 28°57 | 19° 1 | 6°33 | 7°20 | 9°10 | 14°22 | T 10 |
| F 11 | 19 47 10 | 26° 0'23 | 16°44 | 6°21 | 15°52 | 14°42 | 18°35 | 29° 3 | 27°57 | 28°58 | 19° 1 | 6°22 | 7°17 | 9°17 | 14°20 | F 11 |
| S 12 | 19 51 7 | 26°57'45 | 1♌30 | 7°24 | 15°20 | 15°16 | 18°39 | 29° 8 | 28° 0 | 28°58 | 19° 2 | 6°12 | 7°14 | 9°24 | 14°19 | S 12 |
| S 13 | 19 55 4 | 27°55'08 | 16°25 | 8°33 | 14°50 | 15°50 | 18°42 | 29°14 | 28° 2 | 28°59 | 19° 3 | 6° 4 | 7°11 | 9°30 | 14°17 | S 13 |
| M14 | 19 59 0 | 28°52'31 | 1♍21 | 9°48 | 14°21 | 16°25 | 18°46 | 29°19 | 28° 4 | 28°59 | 19° 3 | 5°57 | 7° 7 | 9°37 | 14°15 | M14 |
| T 15 | 20 2 57 | 29°49'56 | 16° 8 | 11° 7 | 13°55 | 16°59 | 18°49 | 29°24 | 28° 7 | 28°59 | 19° 4 | 5°54 | 7° 4 | 9°44 | 14°13 | T 15 |
| W16 | 20 6 53 | 0♌47'20 | 0♎41 | 12°31 | 13°30 | 17°34 | 18°52 | 29°29 | 28° 9 | 29° 0 | 19° 4 | 5°D52 | 7° 1 | 9°50 | 14°12 | W16 |
| T 17 | 20 10 50 | 1°44'46 | 14°57 | 14° 0 | 13° 8 | 18° 9 | 18°55 | 29°34 | 28°11 | 29° 0 | 19° 5 | 5°52 | 6°58 | 9°57 | 14°10 | T 17 |
| F 18 | 20 14 46 | 2°42'12 | 28°53 | 15°34 | 12°47 | 18°44 | 18°58 | 29°39 | 28°14 | 29° 0 | 19° 5 | 5°R53 | 6°55 | 10° 4 | 14° 8 | F 18 |
| S 19 | 20 18 43 | 3°39'39 | 12♏31 | 17°12 | 12°29 | 19°19 | 19° 1 | 29°44 | 28°16 | 29° 0 | 19° 6 | 5°53 | 6°52 | 10°10 | 14° 6 | S 19 |
| S 20 | 20 22 39 | 4°37'07 | 25°51 | 18°53 | 12°13 | 19°54 | 19° 3 | 29°49 | 28°19 | 29° 1 | 19° 6 | 5°51 | 6°48 | 10°17 | 14° 4 | S 20 |
| M21 | 20 26 36 | 5°34'36 | 8♐56 | 20°39 | 12° 0 | 20°30 | 19° 5 | 29°53 | 28°22 | 29° 1 | 19° 7 | 5°46 | 6°45 | 10°24 | 14° 2 | M21 |
| T 22 | 20 30 33 | 6°32'05 | 21°47 | 22°27 | 11°49 | 21° 5 | 19° 7 | 29°58 | 28°24 | 29° 1 | 19° 7 | 5°40 | 6°42 | 10°30 | 14° 0 | T 22 |
| W23 | 20 34 29 | 7°29'35 | 4♑25 | 24°19 | 11°40 | 21°41 | 19° 9 | 0♊ 3 | 28°27 | 29° 1 | 19° 8 | 5°31 | 6°39 | 10°37 | 13°58 | W23 |
| T 24 | 20 38 26 | 8°27'07 | 16°52 | 26°13 | 11°34 | 22°17 | 19°11 | 0° 7 | 28°30 | 29° 1 | 19° 8 | 5°21 | 6°36 | 10°44 | 13°56 | T 24 |
| F 25 | 20 42 22 | 9°24'39 | 29° 9 | 28° 9 | 11°30 | 22°53 | 19°12 | 0°11 | 28°32 | 29°R 1 | 19° 8 | 5°11 | 6°33 | 10°50 | 13°53 | F 25 |
| S 26 | 20 46 19 | 10°22'13 | 11♒17 | 0♌ 7 | 11°D29 | 23°29 | 19°13 | 0°16 | 28°35 | 29° 1 | 19° 9 | 5° 1 | 6°29 | 10°57 | 13°51 | S 26 |
| S 27 | 20 50 15 | 11°19'48 | 23°16 | 2° 7 | 11°30 | 24° 6 | 19°14 | 0°20 | 28°38 | 29° 1 | 19° 9 | 4°53 | 6°26 | 11° 4 | 13°49 | S 27 |
| M28 | 20 54 12 | 12°17'24 | 5♓ 9 | 4° 8 | 11°33 | 24°42 | 19°15 | 0°24 | 28°41 | 29° 1 | 19° 9 | 4°46 | 6°23 | 11°10 | 13°47 | M28 |
| T 29 | 20 58 8 | 13°15'01 | 16°58 | 6° 9 | 11°38 | 25°19 | 19°16 | 0°28 | 28°44 | 29° 1 | 19°10 | 4°42 | 6°20 | 11°17 | 13°44 | T 29 |
| W30 | 21 2 5 | 14°12'40 | 28°45 | 8°11 | 11°46 | 25°56 | 19°16 | 0°32 | 28°47 | 29° 1 | 19°10 | 4°41 | 6°17 | 11°24 | 13°42 | W30 |
| T 31 | 21 6 2 | 15♌10'20 | 10♈34 | 10♌13 | 11♋55 | 26♎33 | 19♈16 | 0♊36 | 28♍50 | 29♈ 1 | 19♉10 | 4°D41 | 6♎13 | 11♓30 | 13♓40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n30 | 6s10 | 2n25 | 19n24 | 4s 7 | 17n 9 | 4s38 | 3s53 | 0s14 | 5n44 | 1s22 | 17n56 | 1s55 | 1n36 | 0n43 | 9n26 | 1s48 | 4n 6 | 13s54 | 2s49 | 3s 7 | 6s10 | 1s37 | 4n52 |
| W 2 | 22 23 | 2 31 | 1 27 | 19 34 | 3 57 | 17 2 | 4 51 | 4 7 | 0 15 | 5 46 | 1 22 | 17 57 | 1 55 | 1 35 | 0 43 | 9 26 | 1 48 | 4 6 | 13 54 | 2 48 | 3 5 | 6 8 | 1 37 | 4 52 |
| T 3 | 22 15 | 1n15 | 0 26 | 19 46 | 3 45 | 16 56 | 5 3 | 4 20 | 0 16 | 5 48 | 1 22 | 17 58 | 1 55 | 1 35 | 0 43 | 9 26 | 1 48 | 4 6 | 13 55 | 2 47 | 3 4 | 6 6 | 1 37 | 4 52 |
| F 4 | 22 7 | 4 59 | 0s37 | 19 57 | 3 33 | 16 50 | 5 15 | 4 34 | 0 17 | 5 50 | 1 22 | 17 59 | 1 55 | 1 34 | 0 43 | 9 26 | 1 48 | 4 6 | 13 55 | 2 47 | 3 3 | 6 5 | 1 38 | 4 52 |
| S 5 | 21 59 | 8 35 | 1 40 | 20 10 | 3 20 | 16 44 | 5 26 | 4 48 | 0 18 | 5 52 | 1 23 | 18 1 | 1 55 | 1 33 | 0 43 | 9 26 | 1 48 | 4 6 | 13 55 | 2 47 | 3 2 | 6 3 | 1 38 | 4 52 |
| S 6 | 21 50 | 11 53 | 2 39 | 20 23 | 3 7 | 16 39 | 5 36 | 5 2 | 0 19 | 5 53 | 1 23 | 18 2 | 1 56 | 1 32 | 0 43 | 9 26 | 1 48 | 4 6 | 13 55 | 2 47 | 3 0 | 6 1 | 1 38 | 4 52 |
| M 7 | 21 41 | 14 44 | 3 33 | 20 36 | 2 53 | 16 34 | 5 46 | 5 16 | 0 21 | 5 55 | 1 23 | 18 3 | 1 56 | 1 31 | 0 43 | 9 27 | 1 48 | 4 6 | 13 55 | 2 45 | 2 59 | 5 59 | 1 39 | 4 53 |
| T 8 | 21 32 | 16 55 | 4 16 | 20 49 | 2 39 | 16 29 | 5 55 | 5 30 | 0 22 | 5 56 | 1 23 | 18 4 | 1 56 | 1 30 | 0 43 | 9 27 | 1 48 | 4 6 | 13 56 | 2 43 | 2 58 | 5 58 | 1 39 | 4 53 |
| W 9 | 21 22 | 18 13 | 4 47 | 21 2 | 2 24 | 16 25 | 6 3 | 5 43 | 0 23 | 5 58 | 1 24 | 18 5 | 1 56 | 1 30 | 0 42 | 9 27 | 1 48 | 4 6 | 13 56 | 2 40 | 2 56 | 5 56 | 1 40 | 4 53 |
| T 10 | 21 11 | 18 28 | 5 2 | 21 15 | 2 10 | 16 22 | 6 11 | 5 58 | 0 24 | 5 59 | 1 24 | 18 6 | 1 56 | 1 29 | 0 42 | 9 27 | 1 48 | 4 6 | 13 56 | 2 36 | 2 55 | 5 54 | 1 40 | 4 53 |
| F 11 | 21 1 | 17 33 | 4 58 | 21 27 | 1 55 | 16 19 | 6 18 | 6 12 | 0 25 | 6 1 | 1 24 | 18 7 | 1 56 | 1 28 | 0 42 | 9 27 | 1 48 | 4 6 | 13 56 | 2 32 | 2 54 | 5 52 | 1 40 | 4 53 |
| S 12 | 20 50 | 15 26 | 4 34 | 21 39 | 1 40 | 16 16 | 6 24 | 6 26 | 0 26 | 6 2 | 1 24 | 18 8 | 1 56 | 1 27 | 0 42 | 9 27 | 1 48 | 4 6 | 13 57 | 2 28 | 2 53 | 5 51 | 1 41 | 4 53 |
| S 13 | 20 39 | 12 17 | 3 51 | 21 50 | 1 25 | 16 14 | 6 30 | 6 40 | 0 27 | 6 3 | 1 25 | 18 9 | 1 56 | 1 26 | 0 42 | 9 27 | 1 49 | 4 6 | 13 57 | 2 25 | 2 51 | 5 49 | 1 41 | 4 54 |
| M14 | 20 27 | 8 20 | 2 53 | 21 59 | 1 10 | 16 12 | 6 35 | 6 54 | 0 28 | 6 4 | 1 25 | 18 10 | 1 56 | 1 25 | 0 42 | 9 27 | 1 49 | 4 6 | 13 57 | 2 22 | 2 50 | 5 47 | 1 42 | 4 54 |
| T 15 | 20 15 | 3 54 | 1 43 | 22 8 | 0 56 | 16 11 | 6 39 | 7 8 | 0 29 | 6 5 | 1 25 | 18 11 | 1 57 | 1 24 | 0 42 | 9 27 | 1 49 | 4 6 | 13 57 | 2 21 | 2 49 | 5 45 | 1 43 | 4 54 |
| W16 | 20 3 | 0s42 | 0 28 | 22 14 | 0 41 | 16 10 | 6 42 | 7 22 | 0 30 | 6 6 | 1 25 | 18 12 | 1 57 | 1 23 | 0 42 | 9 28 | 1 49 | 4 6 | 13 58 | 2 20 | 2 48 | 5 43 | 1 43 | 4 54 |
| T 17 | 19 50 | 5 10 | 0n48 | 22 19 | 0 27 | 16 9 | 6 45 | 7 37 | 0 31 | 6 7 | 1 26 | 18 13 | 1 57 | 1 22 | 0 42 | 9 28 | 1 49 | 4 5 | 13 58 | 2 20 | 2 46 | 5 42 | 1 44 | 4 54 |
| F 18 | 19 37 | 9 15 | 2 0 | 22 23 | 0 14 | 16 9 | 6 47 | 7 51 | 0 31 | 6 8 | 1 26 | 18 14 | 1 57 | 1 21 | 0 42 | 9 28 | 1 49 | 4 5 | 13 58 | 2 21 | 2 45 | 5 40 | 1 44 | 4 54 |
| S 19 | 19 24 | 12 45 | 3 3 | 22 24 | 0 1 | 16 9 | 6 48 | 8 5 | 0 32 | 6 8 | 1 26 | 18 15 | 1 57 | 1 20 | 0 42 | 9 28 | 1 49 | 4 5 | 13 58 | 2 20 | 2 44 | 5 38 | 1 45 | 4 54 |
| S 20 | 19 10 | 15 29 | 3 54 | 22 22 | 0n12 | 16 10 | 6 49 | 8 19 | 0 33 | 6 9 | 1 27 | 18 16 | 1 57 | 1 19 | 0 42 | 9 28 | 1 49 | 4 5 | 13 59 | 2 20 | 2 43 | 5 36 | 1 46 | 4 54 |
| M21 | 18 56 | 17 22 | 4 32 | 22 19 | 0 24 | 16 11 | 6 49 | 8 34 | 0 34 | 6 10 | 1 27 | 18 17 | 1 57 | 1 18 | 0 42 | 9 28 | 1 49 | 4 5 | 13 59 | 2 18 | 2 41 | 5 35 | 1 46 | 4 55 |
| T 22 | 18 42 | 18 20 | 4 56 | 22 13 | 0 35 | 16 12 | 6 49 | 8 48 | 0 35 | 6 10 | 1 27 | 18 18 | 1 57 | 1 17 | 0 42 | 9 28 | 1 49 | 4 5 | 13 59 | 2 15 | 2 40 | 5 33 | 1 47 | 4 55 |
| W23 | 18 27 | 18 22 | 5 5 | 22 4 | 0 45 | 16 14 | 6 48 | 9 2 | 0 36 | 6 11 | 1 27 | 18 19 | 1 58 | 1 16 | 0 42 | 9 28 | 1 49 | 4 5 | 13 59 | 2 12 | 2 39 | 5 31 | 1 48 | 4 55 |
| T 24 | 18 13 | 17 30 | 4 59 | 21 52 | 0 55 | 16 16 | 6 46 | 9 16 | 0 37 | 6 11 | 1 28 | 18 19 | 1 58 | 1 15 | 0 42 | 9 28 | 1 49 | 4 5 | 14 0 | 2 8 | 2 38 | 5 29 | 1 48 | 4 55 |
| F 25 | 17 57 | 15 51 | 4 39 | 21 38 | 1 4 | 16 18 | 6 44 | 9 31 | 0 38 | 6 11 | 1 28 | 18 20 | 1 58 | 1 13 | 0 42 | 9 27 | 1 49 | 4 4 | 14 0 | 2 4 | 2 36 | 5 27 | 1 49 | 4 55 |
| S 26 | 17 42 | 13 30 | 4 7 | 21 21 | 1 12 | 16 21 | 6 42 | 9 45 | 0 39 | 6 11 | 1 28 | 18 21 | 1 58 | 1 12 | 0 42 | 9 27 | 1 49 | 4 4 | 14 0 | 2 0 | 2 35 | 5 26 | 1 50 | 4 55 |
| S 27 | 17 26 | 10 36 | 3 24 | 21 2 | 1 19 | 16 23 | 6 39 | 9 59 | 0 39 | 6 12 | 1 28 | 18 22 | 1 58 | 1 11 | 0 42 | 9 27 | 1 49 | 4 4 | 14 0 | 1 57 | 2 34 | 5 24 | 1 51 | 4 55 |
| M28 | 17 10 | 7 18 | 2 32 | 20 40 | 1 25 | 16 26 | 6 36 | 10 14 | 0 40 | 6 12 | 1 29 | 18 22 | 1 58 | 1 10 | 0 42 | 9 27 | 1 49 | 4 4 | 14 1 | 1 54 | 2 33 | 5 22 | 1 51 | 4 55 |
| T 29 | 16 54 | 3 43 | 1 34 | 20 15 | 1 31 | 16 29 | 6 33 | 10 28 | 0 41 | 6 12 | 1 29 | 18 23 | 1 58 | 1 9 | 0 42 | 9 27 | 1 50 | 4 4 | 14 1 | 1 53 | 2 31 | 5 20 | 1 52 | 4 55 |
| W30 | 16 37 | 0 1 | 0 32 | 19 49 | 1 35 | 16 32 | 6 29 | 10 42 | 0 42 | 6 11 | 1 29 | 18 24 | 1 59 | 1 8 | 0 42 | 9 27 | 1 50 | 4 4 | 14 1 | 1 52 | 2 30 | 5 18 | 1 53 | 4 56 |
| T 31 | 16n20 | 3n42 | 0s32 | 19n20 | 1n39 | 16n36 | 6s25 | 10s56 | 0s43 | 6n11 | 1s29 | 18n24 | 1s59 | 1n 6 | 0n42 | 9n27 | 1s50 | 4n 3 | 14s 1 | 1s52 | 2s29 | 5s17 | 1s54 | 4n56 |

Julian Day Number = 2226014.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'36, Lahiri = 15°14'36 Julian Calendar 1 July 1382 == Greg. Calendar 9 July 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## AUGUST 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 9 58 | 16♌ 8'02 | 22♈29 | 12♌15 | 12♋ 7 | 27♎10 | 19°R16 | 0♊39 | 28♍53 | 29°R 0 | 19♉10 | 4♎42 | 6♎10 | 11♓37 | 13°R37 | F 1 |
| S 2 | 21 13 55 | 17° 5'46 | 4♉35 | 14°16 | 12°21 | 27°47 | 19♈16 | 0°43 | 28°56 | 29♈ 0 | 19°10 | 4°43 | 6° 7 | 11°43 | 13♓35 | S 2 |
| S 3 | 21 17 51 | 18° 3'31 | 16°57 | 16°17 | 12°37 | 28°25 | 19°16 | 0°47 | 28°59 | 29° 0 | 19°11 | 4°R44 | 6° 4 | 11°50 | 13°32 | S 3 |
| M 4 | 21 21 48 | 19° 1'18 | 29°40 | 18°18 | 12°55 | 29° 2 | 19°15 | 0°50 | 29° 2 | 28°59 | 19°11 | 4°43 | 6° 1 | 11°57 | 13°30 | M 4 |
| T 5 | 21 25 44 | 19°59'07 | 12♊48 | 20°17 | 13°15 | 29°40 | 19°15 | 0°54 | 29° 5 | 28°59 | 19°11 | 4°41 | 5°58 | 12° 3 | 13°27 | T 5 |
| W 6 | 21 29 41 | 20°56'57 | 26°24 | 22°16 | 13°36 | 0♏18 | 19°14 | 0°57 | 29° 8 | 28°59 | 19°11 | 4°37 | 5°54 | 12°10 | 13°25 | W 6 |
| T 7 | 21 33 37 | 21°54'50 | 10♋29 | 24°13 | 14° 0 | 0°56 | 19°13 | 1° 0 | 29°11 | 28°58 | 19°11 | 4°31 | 5°51 | 12°17 | 13°22 | T 7 |
| F 8 | 21 37 34 | 22°52'44 | 25° 1 | 26° 9 | 14°25 | 1°34 | 19°11 | 1° 3 | 29°15 | 28°58 | 19°11 | 4°25 | 5°48 | 12°23 | 13°20 | F 8 |
| S 9 | 21 41 31 | 23°50'40 | 9♌54 | 28° 4 | 14°51 | 2°12 | 19°10 | 1° 6 | 29°18 | 28°57 | 19°11 | 4°19 | 5°45 | 12°30 | 13°17 | S 9 |
| S 10 | 21 45 27 | 24°48'37 | 25° 1 | 29°58 | 15°19 | 2°51 | 19° 8 | 1° 9 | 29°21 | 28°57 | 19°11 | 4°14 | 5°42 | 12°37 | 13°15 | S 10 |
| M11 | 21 49 24 | 25°46'36 | 10♍12 | 1♍51 | 15°49 | 3°29 | 19° 6 | 1°12 | 29°24 | 28°56 | 19°R11 | 4°10 | 5°39 | 12°43 | 13°12 | M11 |
| T 12 | 21 53 20 | 26°44'36 | 25°17 | 3°42 | 16°20 | 4° 8 | 19° 4 | 1°15 | 29°28 | 28°56 | 19°11 | 4° 8 | 5°35 | 12°50 | 13° 9 | T 12 |
| W13 | 21 57 17 | 27°42'38 | 10♎ 7 | 5°32 | 16°53 | 4°46 | 19° 1 | 1°17 | 29°31 | 28°55 | 19°11 | 4°D 8 | 5°32 | 12°57 | 13° 7 | W13 |
| T 14 | 22 1 13 | 28°40'42 | 24°38 | 7°21 | 17°27 | 5°25 | 18°59 | 1°20 | 29°34 | 28°55 | 19°11 | 4° 9 | 5°29 | 13° 3 | 13° 4 | T 14 |
| F 15 | 22 5 10 | 29°38'47 | 8♏45 | 9° 9 | 18° 2 | 6° 4 | 18°56 | 1°22 | 29°38 | 28°54 | 19°11 | 4°10 | 5°26 | 13°10 | 13° 1 | F 15 |
| S 16 | 22 9 6 | 0♍36'53 | 22°28 | 10°55 | 18°38 | 6°43 | 18°53 | 1°24 | 29°41 | 28°53 | 19°11 | 4°12 | 5°23 | 13°17 | 12°58 | S 16 |
| S 17 | 22 13 3 | 1°35'01 | 5♐48 | 12°40 | 19°16 | 7°23 | 18°50 | 1°27 | 29°45 | 28°53 | 19°11 | 4°R12 | 5°19 | 13°23 | 12°56 | S 17 |
| M18 | 22 16 59 | 2°33'10 | 18°48 | 14°24 | 19°55 | 8° 2 | 18°47 | 1°29 | 29°48 | 28°52 | 19°11 | 4°11 | 5°16 | 13°30 | 12°53 | M18 |
| T 19 | 22 20 56 | 3°31'20 | 1♑29 | 16° 7 | 20°35 | 8°42 | 18°43 | 1°31 | 29°51 | 28°51 | 19°11 | 4° 8 | 5°13 | 13°37 | 12°50 | T 19 |
| W20 | 22 24 53 | 4°29'33 | 13°56 | 17°48 | 21°16 | 9°21 | 18°40 | 1°32 | 29°55 | 28°50 | 19°11 | 4° 4 | 5°10 | 13°43 | 12°47 | W20 |
| T 21 | 22 28 49 | 5°27'46 | 26°10 | 19°29 | 21°58 | 10° 1 | 18°36 | 1°34 | 29°58 | 28°49 | 19°10 | 4° 0 | 5° 7 | 13°50 | 12°45 | T 21 |
| F 22 | 22 32 46 | 6°26'02 | 8♒15 | 21° 8 | 22°41 | 10°41 | 18°32 | 1°36 | 0♎ 2 | 28°49 | 19°10 | 3°55 | 5° 4 | 13°57 | 12°42 | F 22 |
| S 23 | 22 36 42 | 7°24'19 | 20°13 | 22°46 | 23°25 | 11°21 | 18°27 | 1°37 | 0° 6 | 28°48 | 19°10 | 3°50 | 5° 0 | 14° 3 | 12°39 | S 23 |
| S 24 | 22 40 39 | 8°22'38 | 2♓ 5 | 24°22 | 24°10 | 12° 1 | 18°23 | 1°39 | 0° 9 | 28°47 | 19°10 | 3°47 | 4°57 | 14°10 | 12°36 | S 24 |
| M25 | 22 44 35 | 9°20'58 | 13°55 | 25°58 | 24°56 | 12°41 | 18°18 | 1°40 | 0°13 | 28°46 | 19° 9 | 3°44 | 4°54 | 14°17 | 12°33 | M25 |
| T 26 | 22 48 32 | 10°19'21 | 25°43 | 27°33 | 25°43 | 13°21 | 18°14 | 1°42 | 0°16 | 28°45 | 19° 9 | 3°43 | 4°51 | 14°23 | 12°31 | T 26 |
| W27 | 22 52 28 | 11°17'45 | 7♈32 | 29° 6 | 26°30 | 14° 2 | 18° 9 | 1°43 | 0°20 | 28°44 | 19° 9 | 3°D42 | 4°48 | 14°30 | 12°28 | W27 |
| T 28 | 22 56 25 | 12°16'12 | 19°24 | 0♎38 | 27°19 | 14°42 | 18° 4 | 1°44 | 0°24 | 28°43 | 19° 8 | 3°43 | 4°44 | 14°37 | 12°25 | T 28 |
| F 29 | 23 0 22 | 13°14'40 | 1♉24 | 2°10 | 28° 8 | 15°23 | 17°58 | 1°45 | 0°27 | 28°42 | 19° 8 | 3°45 | 4°41 | 14°43 | 12°22 | F 29 |
| S 30 | 23 4 18 | 14°13'11 | 13°33 | 3°40 | 28°58 | 16° 4 | 17°53 | 1°45 | 0°31 | 28°41 | 19° 8 | 3°46 | 4°38 | 14°50 | 12°19 | S 30 |
| S 31 | 23 8 15 | 15♍11'44 | 25♉57 | 5♎ 9 | 29♋49 | 16♏44 | 17♈47 | 1♊46 | 0♎34 | 28♈40 | 19♉ 7 | 3♎47 | 4♎35 | 14♓56 | 12♓16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n 3 | 7n19 | 1s35 | 18n48 | 1n42 | 16n39 | 6s20 | 11s10 | 0s44 | 6n11 | 1s30 | 18n25 | 1s59 | 1n 5 | 0n42 | 9n27 | 1s50 | 4n 3 | 14s 2 | 1s52 | 2s28 | 5s15 | 1s55 | 4n56 |
| S 2 | 15 46 | 10 40 | 2 35 | 18 16 | 1 44 | 16 42 | 6 16 | 11 25 | 0 44 | 6 11 | 1 30 | 18 26 | 1 59 | 1 4 | 0 42 | 9 27 | 1 50 | 4 3 | 14 2 | 1 53 | 2 26 | 5 13 | 1 55 | 4 56 |
| S 3 | 15 28 | 13 37 | 3 29 | 17 41 | 1 45 | 16 46 | 6 11 | 11 39 | 0 45 | 6 10 | 1 30 | 18 26 | 1 59 | 1 3 | 0 42 | 9 26 | 1 50 | 4 3 | 14 2 | 1 53 | 2 25 | 5 11 | 1 56 | 4 56 |
| M 4 | 15 10 | 16 0 | 4 14 | 17 5 | 1 46 | 16 49 | 6 5 | 11 53 | 0 46 | 6 10 | 1 31 | 18 27 | 1 59 | 1 1 | 0 42 | 9 26 | 1 50 | 4 2 | 14 2 | 1 53 | 2 24 | 5 10 | 1 57 | 4 56 |
| T 5 | 14 52 | 17 39 | 4 48 | 16 27 | 1 46 | 16 53 | 6 0 | 12 7 | 0 47 | 6 9 | 1 31 | 18 27 | 1 59 | 1 0 | 0 42 | 9 26 | 1 50 | 4 2 | 14 3 | 1 52 | 2 22 | 5 8 | 1 58 | 4 56 |
| W 6 | 14 34 | 18 21 | 5 7 | 15 48 | 1 45 | 16 56 | 5 55 | 12 21 | 0 47 | 6 9 | 1 31 | 18 28 | 2 0 | 0 59 | 0 42 | 9 26 | 1 50 | 4 2 | 14 3 | 1 50 | 2 21 | 5 6 | 1 59 | 4 56 |
| T 7 | 14 15 | 17 59 | 5 8 | 15 8 | 1 44 | 17 0 | 5 49 | 12 35 | 0 48 | 6 8 | 1 31 | 18 28 | 2 0 | 0 58 | 0 42 | 9 26 | 1 50 | 4 2 | 14 3 | 1 48 | 2 20 | 5 4 | 2 0 | 4 56 |
| F 8 | 13 56 | 16 26 | 4 50 | 14 27 | 1 42 | 17 3 | 5 43 | 12 49 | 0 49 | 6 7 | 1 32 | 18 29 | 2 0 | 0 56 | 0 42 | 9 26 | 1 50 | 4 2 | 14 3 | 1 46 | 2 19 | 5 2 | 2 1 | 4 56 |
| S 9 | 13 37 | 13 46 | 4 13 | 13 45 | 1 40 | 17 6 | 5 37 | 13 3 | 0 50 | 6 7 | 1 32 | 18 29 | 2 0 | 0 55 | 0 42 | 9 25 | 1 50 | 4 1 | 14 4 | 1 43 | 2 17 | 5 1 | 2 2 | 4 56 |
| S 10 | 13 18 | 10 8 | 3 17 | 13 2 | 1 37 | 17 9 | 5 31 | 13 17 | 0 50 | 6 6 | 1 32 | 18 30 | 2 0 | 0 54 | 0 41 | 9 25 | 1 50 | 4 1 | 14 4 | 1 41 | 2 16 | 4 59 | 2 3 | 4 56 |
| M11 | 12 58 | 5 49 | 2 7 | 12 19 | 1 34 | 17 12 | 5 25 | 13 31 | 0 51 | 6 5 | 1 32 | 18 30 | 2 0 | 0 52 | 0 41 | 9 25 | 1 50 | 4 1 | 14 4 | 1 40 | 2 15 | 4 57 | 2 4 | 4 56 |
| T 12 | 12 38 | 1 9 | 0 48 | 11 35 | 1 30 | 17 15 | 5 18 | 13 45 | 0 52 | 6 4 | 1 33 | 18 30 | 2 1 | 0 51 | 0 41 | 9 25 | 1 50 | 4 1 | 14 5 | 1 39 | 2 14 | 4 55 | 2 5 | 4 56 |
| W13 | 12 18 | 3s31 | 0n33 | 10 50 | 1 26 | 17 17 | 5 12 | 13 59 | 0 52 | 6 3 | 1 33 | 18 31 | 2 1 | 0 50 | 0 41 | 9 24 | 1 50 | 4 0 | 14 5 | 1 39 | 2 12 | 4 53 | 2 6 | 4 56 |
| T 14 | 11 58 | 7 52 | 1 50 | 10 6 | 1 21 | 17 20 | 5 5 | 14 12 | 0 53 | 6 1 | 1 33 | 18 31 | 2 1 | 0 48 | 0 41 | 9 24 | 1 50 | 4 0 | 14 5 | 1 39 | 2 11 | 4 52 | 2 7 | 4 56 |
| F 15 | 11 38 | 11 39 | 2 58 | 9 21 | 1 16 | 17 22 | 4 59 | 14 26 | 0 54 | 6 0 | 1 33 | 18 32 | 2 1 | 0 47 | 0 41 | 9 24 | 1 51 | 4 0 | 14 5 | 1 40 | 2 10 | 4 50 | 2 8 | 4 56 |
| S 16 | 11 17 | 14 40 | 3 54 | 8 36 | 1 11 | 17 23 | 4 52 | 14 40 | 0 54 | 5 59 | 1 34 | 18 32 | 2 1 | 0 45 | 0 41 | 9 23 | 1 51 | 4 0 | 14 6 | 1 40 | 2 9 | 4 48 | 2 9 | 4 56 |
| S 17 | 10 57 | 16 49 | 4 36 | 7 50 | 1 6 | 17 25 | 4 46 | 14 53 | 0 55 | 5 57 | 1 34 | 18 32 | 2 1 | 0 44 | 0 41 | 9 23 | 1 51 | 3 59 | 14 6 | 1 40 | 2 7 | 4 46 | 2 10 | 4 56 |
| M18 | 10 36 | 18 2 | 5 2 | 7 5 | 1 0 | 17 26 | 4 39 | 15 7 | 0 56 | 5 56 | 1 34 | 18 32 | 2 2 | 0 43 | 0 41 | 9 23 | 1 51 | 3 59 | 14 6 | 1 40 | 2 6 | 4 44 | 2 11 | 4 56 |
| T 19 | 10 15 | 18 18 | 5 13 | 6 19 | 0 54 | 17 27 | 4 32 | 15 20 | 0 56 | 5 54 | 1 34 | 18 33 | 2 2 | 0 41 | 0 41 | 9 23 | 1 51 | 3 59 | 14 6 | 1 39 | 2 5 | 4 43 | 2 12 | 4 56 |
| W20 | 9 54 | 17 40 | 5 9 | 5 34 | 0 47 | 17 28 | 4 25 | 15 33 | 0 57 | 5 53 | 1 34 | 18 33 | 2 2 | 0 40 | 0 41 | 9 22 | 1 51 | 3 58 | 14 7 | 1 37 | 2 4 | 4 41 | 2 13 | 4 56 |
| T 21 | 9 32 | 16 14 | 4 50 | 4 48 | 0 41 | 17 28 | 4 18 | 15 47 | 0 58 | 5 51 | 1 35 | 18 33 | 2 2 | 0 38 | 0 41 | 9 22 | 1 51 | 3 58 | 14 7 | 1 36 | 2 2 | 4 39 | 2 14 | 4 56 |
| F 22 | 9 11 | 14 5 | 4 19 | 4 3 | 0 34 | 17 28 | 4 11 | 16 0 | 0 58 | 5 49 | 1 35 | 18 33 | 2 2 | 0 37 | 0 41 | 9 21 | 1 51 | 3 58 | 14 7 | 1 34 | 2 1 | 4 37 | 2 15 | 4 56 |
| S 23 | 8 49 | 11 22 | 3 37 | 3 18 | 0 27 | 17 28 | 4 5 | 16 13 | 0 59 | 5 48 | 1 35 | 18 33 | 2 2 | 0 36 | 0 41 | 9 21 | 1 51 | 3 58 | 14 7 | 1 32 | 2 0 | 4 36 | 2 16 | 4 56 |
| S 24 | 8 27 | 8 11 | 2 45 | 2 33 | 0 20 | 17 27 | 3 58 | 16 26 | 0 59 | 5 46 | 1 35 | 18 33 | 2 3 | 0 34 | 0 41 | 9 21 | 1 51 | 3 57 | 14 8 | 1 30 | 1 58 | 4 34 | 2 17 | 4 56 |
| M25 | 8 5 | 4 42 | 1 47 | 1 48 | 0 13 | 17 26 | 3 51 | 16 39 | 1 0 | 5 44 | 1 36 | 18 34 | 2 3 | 0 33 | 0 41 | 9 20 | 1 51 | 3 57 | 14 8 | 1 29 | 1 57 | 4 32 | 2 19 | 4 56 |
| T 26 | 7 43 | 1 2 | 0 44 | 1 4 | 0 6 | 17 24 | 3 44 | 16 52 | 1 1 | 5 42 | 1 36 | 18 34 | 2 3 | 0 31 | 0 41 | 9 20 | 1 51 | 3 57 | 14 8 | 1 29 | 1 56 | 4 30 | 2 20 | 4 56 |
| W27 | 7 21 | 2n40 | 0s21 | 0 20 | 0s 2 | 17 22 | 3 37 | 17 4 | 1 1 | 5 40 | 1 36 | 18 34 | 2 3 | 0 30 | 0 41 | 9 20 | 1 51 | 3 56 | 14 8 | 1 29 | 1 55 | 4 28 | 2 21 | 4 56 |
| T 28 | 6 59 | 6 18 | 1 26 | 0s24 | 0 9 | 17 20 | 3 30 | 17 17 | 1 2 | 5 38 | 1 36 | 18 34 | 2 3 | 0 28 | 0 41 | 9 19 | 1 51 | 3 56 | 14 9 | 1 29 | 1 53 | 4 27 | 2 22 | 4 56 |
| F 29 | 6 36 | 9 42 | 2 27 | 1 7 | 0 17 | 17 17 | 3 23 | 17 30 | 1 2 | 5 35 | 1 36 | 18 34 | 2 3 | 0 27 | 0 41 | 9 19 | 1 51 | 3 56 | 14 9 | 1 30 | 1 52 | 4 25 | 2 23 | 4 56 |
| S 30 | 6 14 | 12 44 | 3 23 | 1 50 | 0 25 | 17 14 | 3 16 | 17 42 | 1 3 | 5 33 | 1 36 | 18 34 | 2 4 | 0 25 | 0 41 | 9 18 | 1 51 | 3 55 | 14 9 | 1 30 | 1 51 | 4 23 | 2 24 | 4 56 |
| S 31 | 5n51 | 15n15 | 4s10 | 2s33 | 0s32 | 17n10 | 3s 9 | 17s54 | 1s 3 | 5n31 | 1s37 | 18n34 | 2s 4 | 0n24 | 0n41 | 9n18 | 1s51 | 3n55 | 14s 9 | 1s31 | 1s50 | 4s21 | 2s25 | 4n56 |

Julian Day Number = 2226045.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'40, Lahiri = 15°14'41 Julian Calendar 1 Aug. 1382 == Greg. Calendar 9 Aug. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## SEPTEMBER 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 12 11 | 16♍10'19 | 8♊39 | 6♎37 | 0♌40 | 17♏25 | 17°R42 | 1♊47 | 0♎38 | 28°R38 | 19°R 7 | 3♎48 | 4♎32 | 15♓ 3 | 12°R14 | M 1 |
| T 2 | 23 16 8 | 17° 8'56 | 21°43 | 8° 4 | 1°33 | 18° 6 | 17♈36 | 1°47 | 0°42 | 28♈37 | 19♉ 6 | 3°R48 | 4°29 | 15°10 | 12♓11 | T 2 |
| W 3 | 23 20 4 | 18° 7'36 | 5♋12 | 9°30 | 2°25 | 18°48 | 17°30 | 1°48 | 0°46 | 28°36 | 19° 6 | 3°48 | 4°25 | 15°16 | 12° 8 | W 3 |
| T 4 | 23 24 1 | 19° 6'18 | 19° 7 | 10°54 | 3°19 | 19°29 | 17°24 | 1°48 | 0°49 | 28°35 | 19° 5 | 3°46 | 4°22 | 15°23 | 12° 5 | T 4 |
| F 5 | 23 27 57 | 20° 5'02 | 3♌28 | 12°18 | 4°13 | 20°10 | 17°17 | 1°48 | 0°53 | 28°34 | 19° 5 | 3°45 | 4°19 | 15°30 | 12° 2 | F 5 |
| S 6 | 23 31 54 | 21° 3'49 | 18°13 | 13°40 | 5° 8 | 20°52 | 17°11 | 1°R48 | 0°57 | 28°33 | 19° 4 | 3°43 | 4°16 | 15°36 | 12° 0 | S 6 |
| S 7 | 23 35 51 | 22° 2'37 | 3♍15 | 15° 1 | 6° 3 | 21°33 | 17° 4 | 1°48 | 1° 1 | 28°31 | 19° 4 | 3°42 | 4°13 | 15°43 | 11°57 | S 7 |
| M 8 | 23 39 47 | 23° 1'28 | 18°26 | 16°21 | 6°59 | 22°15 | 16°58 | 1°48 | 1° 4 | 28°30 | 19° 3 | 3°41 | 4°10 | 15°50 | 11°54 | M 8 |
| T 9 | 23 43 44 | 24° 0'21 | 3♎37 | 17°39 | 7°55 | 22°57 | 16°51 | 1°47 | 1° 8 | 28°29 | 19° 3 | 3°D41 | 4° 6 | 15°56 | 11°51 | T 9 |
| W10 | 23 47 40 | 24°59'16 | 18°38 | 18°56 | 8°52 | 23°39 | 16°44 | 1°47 | 1°12 | 28°27 | 19° 2 | 3°41 | 4° 3 | 16° 3 | 11°49 | W10 |
| T 11 | 23 51 37 | 25°58'12 | 3♏21 | 20°12 | 9°50 | 24°21 | 16°37 | 1°47 | 1°16 | 28°26 | 19° 2 | 3°42 | 4° 0 | 16°10 | 11°46 | T 11 |
| F 12 | 23 55 33 | 26°57'11 | 17°41 | 21°26 | 10°47 | 25° 3 | 16°30 | 1°46 | 1°19 | 28°25 | 19° 1 | 3°42 | 3°57 | 16°16 | 11°43 | F 12 |
| S 13 | 23 59 30 | 27°56'11 | 1♐35 | 22°38 | 11°46 | 25°45 | 16°22 | 1°45 | 1°23 | 28°23 | 19° 0 | 3°43 | 3°54 | 16°23 | 11°41 | S 13 |
| S 14 | 0 3 26 | 28°55'14 | 15° 2 | 23°49 | 12°45 | 26°27 | 16°15 | 1°44 | 1°27 | 28°22 | 19° 0 | 3°43 | 3°50 | 16°30 | 11°38 | S 14 |
| M15 | 0 7 23 | 29°54'18 | 28° 4 | 24°58 | 13°44 | 27°10 | 16° 8 | 1°43 | 1°31 | 28°20 | 18°59 | 3°R43 | 3°47 | 16°36 | 11°35 | M15 |
| T 16 | 0 11 19 | 0♎53'24 | 10♑45 | 26° 5 | 14°44 | 27°52 | 16° 0 | 1°42 | 1°34 | 28°19 | 18°58 | 3°43 | 3°44 | 16°43 | 11°33 | T 16 |
| W17 | 0 15 16 | 1°52'31 | 23° 7 | 27°10 | 15°44 | 28°35 | 15°52 | 1°41 | 1°38 | 28°17 | 18°58 | 3°43 | 3°41 | 16°50 | 11°30 | W17 |
| T 18 | 0 19 13 | 2°51'41 | 5♒15 | 28°13 | 16°44 | 29°17 | 15°45 | 1°40 | 1°42 | 28°16 | 18°57 | 3°43 | 3°38 | 16°56 | 11°28 | T 18 |
| F 19 | 0 23 9 | 3°50'52 | 17°13 | 29°13 | 17°45 | 29°59 | 15°37 | 1°38 | 1°46 | 28°15 | 18°56 | 3°D43 | 3°35 | 17° 3 | 11°25 | F 19 |
| S 20 | 0 27 6 | 4°50'05 | 29° 4 | 0♏11 | 18°46 | 0♐43 | 15°29 | 1°37 | 1°50 | 28°13 | 18°55 | 3°43 | 3°31 | 17°10 | 11°22 | S 20 |
| S 21 | 0 31 2 | 5°49'20 | 10♓53 | 1° 5 | 19°48 | 1°26 | 15°21 | 1°35 | 1°53 | 28°12 | 18°55 | 3°43 | 3°28 | 17°16 | 11°20 | S 21 |
| M22 | 0 34 59 | 6°48'37 | 22°41 | 1°57 | 20°50 | 2° 9 | 15°13 | 1°34 | 1°57 | 28°10 | 18°54 | 3°43 | 3°25 | 17°23 | 11°17 | M22 |
| T 23 | 0 38 55 | 7°47'56 | 4♈32 | 2°45 | 21°53 | 2°52 | 15° 5 | 1°32 | 2° 1 | 28° 8 | 18°53 | 3°R43 | 3°22 | 17°29 | 11°15 | T 23 |
| W24 | 0 42 52 | 8°47'17 | 16°27 | 3°29 | 22°55 | 3°35 | 14°57 | 1°30 | 2° 5 | 28° 7 | 18°52 | 3°43 | 3°19 | 17°36 | 11°13 | W24 |
| T 25 | 0 46 48 | 9°46'40 | 28°28 | 4° 9 | 23°58 | 4°18 | 14°49 | 1°28 | 2° 8 | 28° 5 | 18°51 | 3°43 | 3°15 | 17°43 | 11°10 | T 25 |
| F 26 | 0 50 45 | 10°46'05 | 10♉38 | 4°44 | 25° 2 | 5° 1 | 14°41 | 1°26 | 2°12 | 28° 4 | 18°51 | 3°42 | 3°12 | 17°49 | 11° 8 | F 26 |
| S 27 | 0 54 42 | 11°45'33 | 22°59 | 5°15 | 26° 6 | 5°45 | 14°33 | 1°24 | 2°16 | 28° 2 | 18°50 | 3°41 | 3° 9 | 17°56 | 11° 6 | S 27 |
| S 28 | 0 58 38 | 12°45'03 | 5♊32 | 5°40 | 27°10 | 6°28 | 14°25 | 1°21 | 2°20 | 28° 0 | 18°49 | 3°40 | 3° 6 | 18° 3 | 11° 3 | S 28 |
| M29 | 1 2 35 | 13°44'35 | 18°19 | 5°59 | 28°14 | 7°12 | 14°17 | 1°19 | 2°23 | 27°59 | 18°48 | 3°39 | 3° 3 | 18° 9 | 11° 1 | M29 |
| T 30 | 1 6 31 | 14♎44'09 | 1♋24 | 6♏11 | 29♌19 | 7♐56 | 14♈ 9 | 1♊16 | 2♎27 | 27♈57 | 18♉47 | 3♎38 | 3♎ 0 | 18♓16 | 10♓59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n28 | 17n 5 | 4s47 | 3s15 | 0s40 | 17n 6 | 3s 3 | 18s 6 | 1s 4 | 5n29 | 1s37 | 18n34 | 2s 4 | 0n22 | 0n41 | 9n17 | 1s51 | 3n55 | 14s10 | 1s31 | 1s48 | 4s19 | 2s26 | 4n56 |
| T 2 | 5 5 | 18 6 | 5 10 | 3 56 | 0 48 | 17 1 | 2 56 | 18 19 | 1 4 | 5 26 | 1 37 | 18 34 | 2 4 | 0 21 | 0 41 | 9 17 | 1 51 | 3 54 | 14 10 | 1 31 | 1 47 | 4 18 | 2 28 | 4 55 |
| W 3 | 4 43 | 18 8 | 5 17 | 4 38 | 0 56 | 16 56 | 2 49 | 18 30 | 1 5 | 5 24 | 1 37 | 18 34 | 2 4 | 0 19 | 0 41 | 9 17 | 1 52 | 3 54 | 14 10 | 1 31 | 1 46 | 4 16 | 2 29 | 4 55 |
| T 4 | 4 20 | 17 6 | 5 6 | 5 18 | 1 3 | 16 51 | 2 42 | 18 42 | 1 5 | 5 21 | 1 37 | 18 33 | 2 4 | 0 18 | 0 41 | 9 16 | 1 52 | 3 54 | 14 10 | 1 30 | 1 45 | 4 14 | 2 30 | 4 55 |
| F 5 | 3 56 | 14 59 | 4 35 | 5 58 | 1 11 | 16 45 | 2 36 | 18 54 | 1 6 | 5 19 | 1 37 | 18 33 | 2 4 | 0 16 | 0 41 | 9 16 | 1 52 | 3 53 | 14 11 | 1 30 | 1 43 | 4 12 | 2 31 | 4 55 |
| S 6 | 3 33 | 11 50 | 3 46 | 6 37 | 1 19 | 16 38 | 2 29 | 19 6 | 1 6 | 5 16 | 1 38 | 18 33 | 2 5 | 0 15 | 0 41 | 9 15 | 1 52 | 3 53 | 14 11 | 1 29 | 1 42 | 4 10 | 2 32 | 4 55 |
| S 7 | 3 10 | 7 51 | 2 41 | 7 16 | 1 27 | 16 31 | 2 22 | 19 17 | 1 7 | 5 13 | 1 38 | 18 33 | 2 5 | 0 13 | 0 41 | 9 15 | 1 52 | 3 53 | 14 11 | 1 28 | 1 41 | 4 8 | 2 33 | 4 55 |
| M 8 | 2 47 | 3 18 | 1 24 | 7 54 | 1 34 | 16 24 | 2 16 | 19 28 | 1 7 | 5 11 | 1 38 | 18 33 | 2 5 | 0 12 | 0 41 | 9 14 | 1 52 | 3 52 | 14 11 | 1 28 | 1 39 | 4 7 | 2 35 | 4 55 |
| T 9 | 2 23 | 1s27 | 0 0 | 8 31 | 1 42 | 16 16 | 2 9 | 19 40 | 1 8 | 5 8 | 1 38 | 18 33 | 2 5 | 0 10 | 0 41 | 9 14 | 1 52 | 3 52 | 14 11 | 1 28 | 1 38 | 4 5 | 2 36 | 4 55 |
| W10 | 2 0 | 6 4 | 1n22 | 9 7 | 1 49 | 16 8 | 2 3 | 19 51 | 1 8 | 5 5 | 1 38 | 18 32 | 2 5 | 0 9 | 0 41 | 9 13 | 1 52 | 3 51 | 14 12 | 1 28 | 1 37 | 4 3 | 2 37 | 4 55 |
| T 11 | 1 36 | 10 12 | 2 38 | 9 43 | 1 57 | 15 59 | 1 56 | 20 2 | 1 9 | 5 2 | 1 38 | 18 32 | 2 5 | 0 7 | 0 41 | 9 13 | 1 52 | 3 51 | 14 12 | 1 28 | 1 36 | 4 1 | 2 38 | 4 54 |
| F 12 | 1 13 | 13 37 | 3 41 | 10 18 | 2 4 | 15 49 | 1 50 | 20 12 | 1 9 | 5 0 | 1 38 | 18 32 | 2 6 | 0 6 | 0 41 | 9 12 | 1 52 | 3 51 | 14 12 | 1 29 | 1 34 | 3 59 | 2 39 | 4 54 |
| S 13 | 0 49 | 16 9 | 4 29 | 10 52 | 2 11 | 15 40 | 1 43 | 20 23 | 1 9 | 4 57 | 1 38 | 18 32 | 2 6 | 0 4 | 0 41 | 9 12 | 1 52 | 3 50 | 14 12 | 1 29 | 1 33 | 3 58 | 2 40 | 4 54 |
| S 14 | 0 26 | 17 41 | 5 1 | 11 24 | 2 18 | 15 29 | 1 37 | 20 33 | 1 10 | 4 54 | 1 38 | 18 31 | 2 6 | 0 3 | 0 41 | 9 11 | 1 52 | 3 50 | 14 12 | 1 29 | 1 32 | 3 56 | 2 41 | 4 54 |
| M15 | 0 2 | 18 14 | 5 16 | 11 56 | 2 25 | 15 18 | 1 31 | 20 44 | 1 10 | 4 51 | 1 39 | 18 31 | 2 6 | 0 1 | 0 41 | 9 11 | 1 52 | 3 50 | 14 13 | 1 29 | 1 31 | 3 54 | 2 43 | 4 54 |
| T 16 | 0s21 | 17 50 | 5 16 | 12 27 | 2 31 | 15 7 | 1 25 | 20 54 | 1 11 | 4 48 | 1 39 | 18 31 | 2 6 | 0s 0 | 0 41 | 9 10 | 1 52 | 3 49 | 14 13 | 1 29 | 1 29 | 3 52 | 2 44 | 4 54 |
| W17 | 0 45 | 16 36 | 5 0 | 12 57 | 2 37 | 14 55 | 1 19 | 21 4 | 1 11 | 4 45 | 1 39 | 18 30 | 2 6 | 0 2 | 0 41 | 9 9 | 1 52 | 3 49 | 14 13 | 1 29 | 1 28 | 3 50 | 2 45 | 4 54 |
| T 18 | 1 8 | 14 38 | 4 31 | 13 25 | 2 43 | 14 43 | 1 13 | 21 13 | 1 11 | 4 42 | 1 39 | 18 30 | 2 7 | 0 3 | 0 41 | 9 9 | 1 52 | 3 49 | 14 13 | 1 29 | 1 27 | 3 49 | 2 46 | 4 53 |
| F 19 | 1 32 | 12 3 | 3 51 | 13 52 | 2 49 | 14 30 | 1 7 | 21 23 | 1 12 | 4 39 | 1 39 | 18 29 | 2 7 | 0 5 | 0 41 | 9 8 | 1 52 | 3 48 | 14 13 | 1 29 | 1 26 | 3 47 | 2 47 | 4 53 |
| S 20 | 1 56 | 9 0 | 3 1 | 14 17 | 2 54 | 14 17 | 1 1 | 21 32 | 1 12 | 4 36 | 1 39 | 18 29 | 2 7 | 0 6 | 0 41 | 9 8 | 1 52 | 3 48 | 14 14 | 1 29 | 1 24 | 3 45 | 2 48 | 4 53 |
| S 21 | 2 19 | 5 36 | 2 4 | 14 41 | 2 59 | 14 3 | 0 55 | 21 42 | 1 12 | 4 33 | 1 39 | 18 28 | 2 7 | 0 8 | 0 41 | 9 7 | 1 52 | 3 47 | 14 14 | 1 29 | 1 23 | 3 43 | 2 49 | 4 53 |
| M22 | 2 43 | 1 59 | 1 1 | 15 4 | 3 4 | 13 49 | 0 49 | 21 51 | 1 13 | 4 30 | 1 39 | 18 28 | 2 7 | 0 9 | 0 41 | 9 7 | 1 52 | 3 47 | 14 14 | 1 29 | 1 22 | 3 41 | 2 50 | 4 53 |
| T 23 | 3 6 | 1n44 | 0s 4 | 15 24 | 3 8 | 13 35 | 0 43 | 22 0 | 1 13 | 4 27 | 1 39 | 18 27 | 2 7 | 0 11 | 0 41 | 9 6 | 1 52 | 3 47 | 14 14 | 1 29 | 1 21 | 3 40 | 2 52 | 4 53 |
| W24 | 3 30 | 5 24 | 1 10 | 15 43 | 3 11 | 13 19 | 0 38 | 22 8 | 1 13 | 4 23 | 1 39 | 18 27 | 2 7 | 0 12 | 0 41 | 9 5 | 1 52 | 3 46 | 14 14 | 1 29 | 1 19 | 3 38 | 2 53 | 4 52 |
| T 25 | 3 53 | 8 53 | 2 13 | 15 59 | 3 14 | 13 4 | 0 32 | 22 17 | 1 14 | 4 20 | 1 39 | 18 26 | 2 7 | 0 14 | 0 41 | 9 5 | 1 52 | 3 46 | 14 14 | 1 29 | 1 18 | 3 36 | 2 54 | 4 52 |
| F 26 | 4 17 | 12 2 | 3 11 | 16 13 | 3 16 | 12 48 | 0 27 | 22 25 | 1 14 | 4 17 | 1 39 | 18 26 | 2 8 | 0 15 | 0 41 | 9 4 | 1 52 | 3 46 | 14 15 | 1 29 | 1 17 | 3 34 | 2 55 | 4 52 |
| S 27 | 4 40 | 14 41 | 4 1 | 16 25 | 3 18 | 12 31 | 0 22 | 22 33 | 1 14 | 4 14 | 1 39 | 18 25 | 2 8 | 0 17 | 0 41 | 9 4 | 1 52 | 3 45 | 14 15 | 1 28 | 1 15 | 3 32 | 2 56 | 4 52 |
| S 28 | 5 3 | 16 42 | 4 40 | 16 34 | 3 18 | 12 15 | 0 16 | 22 41 | 1 15 | 4 11 | 1 39 | 18 25 | 2 8 | 0 18 | 0 41 | 9 3 | 1 52 | 3 45 | 14 15 | 1 28 | 1 14 | 3 30 | 2 57 | 4 51 |
| M29 | 5 26 | 17 55 | 5 6 | 16 40 | 3 18 | 11 57 | 0 11 | 22 49 | 1 15 | 4 8 | 1 39 | 18 24 | 2 8 | 0 20 | 0 41 | 9 3 | 1 52 | 3 45 | 14 15 | 1 27 | 1 13 | 3 29 | 2 58 | 4 51 |
| T 30 | 5s50 | 18n14 | 5s17 | 16s43 | 3s17 | 11n39 | 0s 6 | 22s56 | 1s15 | 4n 5 | 1s39 | 18n23 | 2s 8 | 0s21 | 0n41 | 9n 2 | 1s52 | 3n44 | 14s15 | 1s27 | 1s12 | 3s27 | 2s59 | 4n51 |

Julian Day Number = 2226076.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'44, Lahiri = 15°14'45 Julian Calendar 1 Sept. 1382 == Greg. Calendar 9 Sept. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## OCTOBER 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 10 28 | 15♎43'46 | 14♋48 | 6°R17 | 0♍24 | 8♐39 | 14°R 1 | 1°R14 | 2♎31 | 27°R56 | 18°R46 | 3°D38 | 2♎56 | 18♓23 | 10°R57 | W 1 |
| T 2 | 1 14 24 | 16°43'25 | 28°33 | 6♏14 | 1°29 | 9°23 | 13♈53 | 1♊11 | 2°35 | 27♈54 | 18♉45 | 3♎38 | 2°53 | 18°29 | 10♓54 | T 2 |
| F 3 | 1 18 21 | 17°43'07 | 12♌39 | 6° 4 | 2°34 | 10° 7 | 13°45 | 1° 8 | 2°38 | 27°52 | 18°44 | 3°39 | 2°50 | 18°36 | 10°52 | F 3 |
| S 4 | 1 22 17 | 18°42'50 | 27° 6 | 5°46 | 3°40 | 10°51 | 13°36 | 1° 5 | 2°42 | 27°51 | 18°43 | 3°40 | 2°47 | 18°43 | 10°50 | S 4 |
| S 5 | 1 26 14 | 19°42'36 | 11♍49 | 5°18 | 4°46 | 11°35 | 13°28 | 1° 2 | 2°46 | 27°49 | 18°42 | 3°41 | 2°44 | 18°49 | 10°48 | S 5 |
| M 6 | 1 30 11 | 20°42'24 | 26°44 | 4°42 | 5°53 | 12°19 | 13°20 | 0°59 | 2°49 | 27°47 | 18°41 | 3°R42 | 2°41 | 18°56 | 10°46 | M 6 |
| T 7 | 1 34 7 | 21°42'15 | 11♎44 | 3°57 | 6°59 | 13° 3 | 13°12 | 0°56 | 2°53 | 27°46 | 18°40 | 3°42 | 2°37 | 19° 3 | 10°44 | T 7 |
| W 8 | 1 38 4 | 22°42'07 | 26°41 | 3° 3 | 8° 6 | 13°48 | 13° 5 | 0°53 | 2°57 | 27°44 | 18°39 | 3°41 | 2°34 | 19° 9 | 10°42 | W 8 |
| T 9 | 1 42 0 | 23°42'01 | 11♏25 | 2° 1 | 9°13 | 14°32 | 12°57 | 0°49 | 3° 0 | 27°42 | 18°38 | 3°39 | 2°31 | 19°16 | 10°40 | T 9 |
| F 10 | 1 45 57 | 24°41'58 | 25°51 | 0°53 | 10°20 | 15°16 | 12°49 | 0°46 | 3° 4 | 27°41 | 18°37 | 3°36 | 2°28 | 19°22 | 10°39 | F 10 |
| S 11 | 1 49 53 | 25°41'56 | 9♐52 | 29♎40 | 11°28 | 16° 1 | 12°41 | 0°43 | 3° 7 | 27°39 | 18°36 | 3°33 | 2°25 | 19°29 | 10°37 | S 11 |
| S 12 | 1 53 50 | 26°41'55 | 23°27 | 28°24 | 12°35 | 16°46 | 12°34 | 0°39 | 3°11 | 27°37 | 18°35 | 3°30 | 2°21 | 19°36 | 10°35 | S 12 |
| M13 | 1 57 46 | 27°41'57 | 6♑36 | 27° 7 | 13°43 | 17°30 | 12°26 | 0°35 | 3°14 | 27°36 | 18°34 | 3°27 | 2°18 | 19°42 | 10°33 | M13 |
| T 14 | 2 1 43 | 28°42'00 | 19°20 | 25°51 | 14°51 | 18°15 | 12°18 | 0°32 | 3°18 | 27°34 | 18°33 | 3°26 | 2°15 | 19°49 | 10°32 | T 14 |
| W15 | 2 5 40 | 29°42'05 | 1♒43 | 24°39 | 15°59 | 19° 0 | 12°11 | 0°28 | 3°21 | 27°32 | 18°32 | 3°D25 | 2°12 | 19°56 | 10°30 | W15 |
| T 16 | 2 9 36 | 0♏42'11 | 13°50 | 23°33 | 17° 8 | 19°45 | 12° 4 | 0°24 | 3°25 | 27°31 | 18°31 | 3°26 | 2° 9 | 20° 2 | 10°29 | T 16 |
| F 17 | 2 13 33 | 1°42'19 | 25°46 | 22°35 | 18°16 | 20°30 | 11°57 | 0°20 | 3°28 | 27°29 | 18°30 | 3°27 | 2° 6 | 20° 9 | 10°27 | F 17 |
| S 18 | 2 17 29 | 2°42'29 | 7♓35 | 21°46 | 19°25 | 21°14 | 11°49 | 0°16 | 3°32 | 27°27 | 18°29 | 3°29 | 2° 2 | 20°16 | 10°26 | S 18 |
| S 19 | 2 21 26 | 3°42'40 | 19°22 | 21° 9 | 20°34 | 22° 0 | 11°43 | 0°12 | 3°35 | 27°25 | 18°28 | 3°31 | 1°59 | 20°22 | 10°24 | S 19 |
| M20 | 2 25 22 | 4°42'52 | 1♈12 | 20°43 | 21°43 | 22°45 | 11°36 | 0° 8 | 3°39 | 27°24 | 18°27 | 3°R32 | 1°56 | 20°29 | 10°23 | M20 |
| T 21 | 2 29 19 | 5°43'07 | 13° 7 | 20°28 | 22°53 | 23°30 | 11°29 | 0° 3 | 3°42 | 27°22 | 18°26 | 3°31 | 1°53 | 20°36 | 10°22 | T 21 |
| W22 | 2 33 15 | 6°43'23 | 25°11 | 20°D25 | 24° 2 | 24°15 | 11°22 | 29♉59 | 3°45 | 27°20 | 18°25 | 3°29 | 1°50 | 20°42 | 10°20 | W22 |
| T 23 | 2 37 12 | 7°43'41 | 7♉25 | 20°33 | 25°12 | 25° 0 | 11°16 | 29°55 | 3°49 | 27°19 | 18°24 | 3°25 | 1°47 | 20°49 | 10°19 | T 23 |
| F 24 | 2 41 8 | 8°44'00 | 19°51 | 20°52 | 26°22 | 25°46 | 11° 9 | 29°50 | 3°52 | 27°17 | 18°22 | 3°20 | 1°43 | 20°56 | 10°18 | F 24 |
| S 25 | 2 45 5 | 9°44'21 | 2♊29 | 21°20 | 27°32 | 26°31 | 11° 3 | 29°46 | 3°55 | 27°16 | 18°21 | 3°14 | 1°40 | 21° 2 | 10°17 | S 25 |
| S 26 | 2 49 2 | 10°44'45 | 15°20 | 21°58 | 28°42 | 27°16 | 10°57 | 29°41 | 3°58 | 27°14 | 18°20 | 3° 7 | 1°37 | 21° 9 | 10°16 | S 26 |
| M27 | 2 52 58 | 11°45'10 | 28°24 | 22°43 | 29°52 | 28° 2 | 10°51 | 29°37 | 4° 2 | 27°12 | 18°19 | 3° 1 | 1°34 | 21°16 | 10°15 | M27 |
| T 28 | 2 56 55 | 12°45'37 | 11♋41 | 23°35 | 1♎ 2 | 28°48 | 10°46 | 29°32 | 4° 5 | 27°11 | 18°18 | 2°56 | 1°31 | 21°22 | 10°14 | T 28 |
| W29 | 3 0 51 | 13°46'05 | 25°11 | 24°33 | 2°13 | 29°33 | 10°40 | 29°28 | 4° 8 | 27° 9 | 18°17 | 2°52 | 1°27 | 21°29 | 10°13 | W29 |
| T 30 | 3 4 48 | 14°46'36 | 8♌53 | 25°36 | 3°24 | 0♑19 | 10°34 | 29°23 | 4°11 | 27° 7 | 18°16 | 2°D51 | 1°24 | 21°35 | 10°12 | T 30 |
| F 31 | 3 8 44 | 15♏47'08 | 22♌49 | 26♎45 | 4♎35 | 1♑ 5 | 10♈29 | 29♉18 | 4♎14 | 27♈ 6 | 18♉15 | 2♎51 | 1♎21 | 21♓42 | 10♓12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s13 | 17n32 | 5s11 | 16s42 | 3s14 | 11n21 | 0s 1 | 23s 4 | 1s15 | 4n 2 | 1s39 | 18n23 | 2s 8 | 0s23 | 0n41 | 9n 1 | 1s52 | 3n44 | 14s15 | 1s27 | 1s10 | 3s25 | 3s 0 | 4n51 |
| T 2 | 6 36 | 15 49 | 4 48 | 16 38 | 3 10 | 11 3 | 0n 4 | 23 11 | 1 16 | 3 59 | 1 39 | 18 22 | 2 8 | 0 24 | 0 41 | 9 1 | 1 52 | 3 43 | 14 15 | 1 27 | 1 9 | 3 23 | 3 1 | 4 51 |
| F 3 | 6 59 | 13 7 | 4 7 | 16 29 | 3 5 | 10 44 | 0 9 | 23 17 | 1 16 | 3 55 | 1 39 | 18 22 | 2 8 | 0 26 | 0 41 | 9 0 | 1 52 | 3 43 | 14 16 | 1 27 | 1 8 | 3 21 | 3 2 | 4 50 |
| S 4 | 7 21 | 9 33 | 3 9 | 16 17 | 2 58 | 10 24 | 0 14 | 23 24 | 1 16 | 3 52 | 1 39 | 18 21 | 2 9 | 0 27 | 0 41 | 9 0 | 1 52 | 3 43 | 14 16 | 1 28 | 1 7 | 3 20 | 3 3 | 4 50 |
| S 5 | 7 44 | 5 20 | 1 58 | 15 59 | 2 49 | 10 5 | 0 18 | 23 30 | 1 16 | 3 49 | 1 39 | 18 20 | 2 9 | 0 28 | 0 41 | 8 59 | 1 52 | 3 42 | 14 16 | 1 28 | 1 5 | 3 18 | 3 4 | 4 50 |
| M 6 | 8 7 | 0 43 | 0 38 | 15 37 | 2 39 | 9 44 | 0 23 | 23 37 | 1 17 | 3 46 | 1 38 | 18 19 | 2 9 | 0 30 | 0 41 | 8 58 | 1 52 | 3 42 | 14 16 | 1 28 | 1 4 | 3 16 | 3 5 | 4 50 |
| T 7 | 8 29 | 3s59 | 0n44 | 15 11 | 2 27 | 9 24 | 0 27 | 23 43 | 1 17 | 3 43 | 1 38 | 18 19 | 2 9 | 0 31 | 0 41 | 8 58 | 1 52 | 3 42 | 14 16 | 1 28 | 1 3 | 3 14 | 3 6 | 4 49 |
| W 8 | 8 52 | 8 24 | 2 4 | 14 39 | 2 13 | 9 3 | 0 32 | 23 48 | 1 17 | 3 40 | 1 38 | 18 18 | 2 9 | 0 33 | 0 41 | 8 57 | 1 52 | 3 41 | 14 16 | 1 28 | 1 2 | 3 12 | 3 7 | 4 49 |
| T 9 | 9 14 | 12 14 | 3 14 | 14 3 | 1 58 | 8 42 | 0 36 | 23 54 | 1 17 | 3 37 | 1 38 | 18 17 | 2 9 | 0 34 | 0 41 | 8 57 | 1 52 | 3 41 | 14 16 | 1 27 | 1 0 | 3 11 | 3 8 | 4 49 |
| F 10 | 9 36 | 15 14 | 4 10 | 13 23 | 1 41 | 8 20 | 0 40 | 23 59 | 1 17 | 3 34 | 1 38 | 18 16 | 2 9 | 0 36 | 0 41 | 8 56 | 1 52 | 3 41 | 14 16 | 1 26 | 0 59 | 3 9 | 3 9 | 4 49 |
| S 11 | 9 58 | 17 14 | 4 49 | 12 40 | 1 22 | 7 58 | 0 44 | 24 4 | 1 18 | 3 31 | 1 38 | 18 16 | 2 9 | 0 37 | 0 41 | 8 55 | 1 52 | 3 40 | 14 16 | 1 25 | 0 58 | 3 7 | 3 10 | 4 48 |
| S 12 | 10 20 | 18 11 | 5 10 | 11 55 | 1 2 | 7 36 | 0 48 | 24 9 | 1 18 | 3 29 | 1 38 | 18 15 | 2 9 | 0 38 | 0 41 | 8 55 | 1 52 | 3 40 | 14 17 | 1 24 | 0 56 | 3 5 | 3 11 | 4 48 |
| M13 | 10 41 | 18 7 | 5 15 | 11 8 | 0 42 | 7 14 | 0 52 | 24 13 | 1 18 | 3 26 | 1 38 | 18 14 | 2 9 | 0 40 | 0 41 | 8 54 | 1 52 | 3 40 | 14 17 | 1 23 | 0 55 | 3 3 | 3 11 | 4 48 |
| T 14 | 11 3 | 17 7 | 5 3 | 10 21 | 0 21 | 6 51 | 0 56 | 24 18 | 1 18 | 3 23 | 1 38 | 18 13 | 2 9 | 0 41 | 0 41 | 8 53 | 1 52 | 3 39 | 14 17 | 1 22 | 0 54 | 3 1 | 3 12 | 4 48 |
| W15 | 11 24 | 15 20 | 4 38 | 9 35 | 0 1 | 6 28 | 1 0 | 24 22 | 1 18 | 3 20 | 1 37 | 18 12 | 2 9 | 0 43 | 0 41 | 8 53 | 1 52 | 3 39 | 14 17 | 1 22 | 0 53 | 3 0 | 3 13 | 4 47 |
| T 16 | 11 45 | 12 53 | 4 0 | 8 52 | 0n19 | 6 4 | 1 3 | 24 25 | 1 18 | 3 18 | 1 37 | 18 11 | 2 10 | 0 44 | 0 41 | 8 52 | 1 52 | 3 39 | 14 17 | 1 22 | 0 51 | 2 58 | 3 14 | 4 47 |
| F 17 | 12 6 | 9 57 | 3 13 | 8 13 | 0 38 | 5 40 | 1 7 | 24 29 | 1 19 | 3 15 | 1 37 | 18 10 | 2 10 | 0 45 | 0 41 | 8 52 | 1 52 | 3 38 | 14 17 | 1 23 | 0 50 | 2 56 | 3 15 | 4 47 |
| S 18 | 12 27 | 6 37 | 2 18 | 7 39 | 0 56 | 5 16 | 1 10 | 24 32 | 1 19 | 3 12 | 1 37 | 18 10 | 2 10 | 0 47 | 0 41 | 8 51 | 1 52 | 3 38 | 14 17 | 1 23 | 0 49 | 2 54 | 3 16 | 4 46 |
| S 19 | 12 48 | 3 2 | 1 17 | 7 10 | 1 12 | 4 52 | 1 13 | 24 35 | 1 19 | 3 10 | 1 37 | 18 9 | 2 10 | 0 48 | 0 41 | 8 50 | 1 52 | 3 38 | 14 17 | 1 24 | 0 48 | 2 52 | 3 16 | 4 46 |
| M20 | 13 8 | 0n40 | 0 13 | 6 46 | 1 27 | 4 28 | 1 16 | 24 38 | 1 19 | 3 7 | 1 37 | 18 8 | 2 10 | 0 49 | 0 41 | 8 50 | 1 52 | 3 37 | 14 17 | 1 24 | 0 46 | 2 50 | 3 17 | 4 46 |
| T 21 | 13 28 | 4 24 | 0s52 | 6 29 | 1 39 | 4 3 | 1 20 | 24 40 | 1 19 | 3 5 | 1 36 | 18 7 | 2 10 | 0 51 | 0 41 | 8 49 | 1 52 | 3 37 | 14 17 | 1 24 | 0 45 | 2 49 | 3 18 | 4 46 |
| W22 | 13 48 | 7 59 | 1 56 | 6 18 | 1 50 | 3 38 | 1 22 | 24 42 | 1 19 | 3 2 | 1 36 | 18 6 | 2 10 | 0 52 | 0 41 | 8 49 | 1 52 | 3 37 | 14 17 | 1 23 | 0 44 | 2 47 | 3 19 | 4 45 |
| T 23 | 14 8 | 11 17 | 2 55 | 6 13 | 1 59 | 3 13 | 1 25 | 24 44 | 1 19 | 3 0 | 1 36 | 18 5 | 2 10 | 0 53 | 0 41 | 8 48 | 1 52 | 3 36 | 14 17 | 1 22 | 0 42 | 2 45 | 3 19 | 4 45 |
| F 24 | 14 27 | 14 8 | 3 46 | 6 14 | 2 6 | 2 48 | 1 28 | 24 46 | 1 19 | 2 58 | 1 36 | 18 4 | 2 10 | 0 55 | 0 41 | 8 48 | 1 52 | 3 36 | 14 17 | 1 20 | 0 41 | 2 43 | 3 20 | 4 45 |
| S 25 | 14 47 | 16 21 | 4 27 | 6 19 | 2 12 | 2 22 | 1 31 | 24 47 | 1 19 | 2 55 | 1 36 | 18 3 | 2 10 | 0 56 | 0 41 | 8 47 | 1 52 | 3 36 | 14 17 | 1 17 | 0 40 | 2 41 | 3 21 | 4 44 |
| S 26 | 15 6 | 17 48 | 4 56 | 6 29 | 2 15 | 1 57 | 1 33 | 24 49 | 1 19 | 2 53 | 1 35 | 18 2 | 2 10 | 0 57 | 0 41 | 8 46 | 1 52 | 3 35 | 14 17 | 1 15 | 0 39 | 2 40 | 3 22 | 4 44 |
| M27 | 15 25 | 18 21 | 5 9 | 6 44 | 2 18 | 1 31 | 1 36 | 24 49 | 1 19 | 2 51 | 1 35 | 18 1 | 2 10 | 0 58 | 0 41 | 8 46 | 1 52 | 3 35 | 14 17 | 1 12 | 0 37 | 2 38 | 3 22 | 4 44 |
| T 28 | 15 43 | 17 54 | 5 7 | 7 2 | 2 19 | 1 5 | 1 38 | 24 50 | 1 19 | 2 49 | 1 35 | 18 0 | 2 10 | 1 0 | 0 41 | 8 45 | 1 52 | 3 35 | 14 17 | 1 10 | 0 36 | 2 36 | 3 23 | 4 43 |
| W29 | 16 1 | 16 27 | 4 47 | 7 23 | 2 20 | 0 39 | 1 40 | 24 50 | 1 19 | 2 47 | 1 35 | 17 59 | 2 10 | 1 1 | 0 41 | 8 45 | 1 52 | 3 34 | 14 17 | 1 9 | 0 35 | 2 34 | 3 23 | 4 43 |
| T 30 | 16 19 | 14 3 | 4 11 | 7 47 | 2 19 | 0 13 | 1 42 | 24 50 | 1 19 | 2 45 | 1 34 | 17 58 | 2 10 | 1 2 | 0 41 | 8 44 | 1 52 | 3 34 | 14 17 | 1 8 | 0 34 | 2 32 | 3 24 | 4 43 |
| F 31 | 16s37 | 10n48 | 3s20 | 8s13 | 2n17 | 0s14 | 1n44 | 24s50 | 1s19 | 2n43 | 1s34 | 17n57 | 2s10 | 1s 3 | 0n41 | 8n44 | 1s52 | 3n34 | 14s17 | 1s 8 | 0s32 | 2s30 | 3s25 | 4n43 |

Julian Day Number = 2226106.5, Delta T = 08m20s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'49, Lahiri = 15°14'49 Julian Calendar 1 Oct. 1382 == Greg. Calendar 9 Oct. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## NOVEMBER 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 12 41 | 16♏47'43 | 6♍58 | 27♎57 | 5♎46 | 1♑50 | 10°R24 | 29°R14 | 4♎17 | 27°R 4 | 18°R13 | 2♎52 | 1♎18 | 21♓49 | 10°R11 | S 1 |
| S 2 | 3 16 37 | 17°48'19 | 21°19 | 29°13 | 6°57 | 2°36 | 10♈19 | 29♉ 9 | 4°20 | 27♈ 3 | 18♉12 | 2°53 | 1°15 | 21°55 | 10♓10 | S 2 |
| M 3 | 3 20 34 | 18°48'57 | 5♎49 | 0♏31 | 8° 8 | 3°22 | 10°14 | 29° 4 | 4°23 | 27° 1 | 18°11 | 2°R53 | 1°12 | 22° 2 | 10°10 | M 3 |
| T 4 | 3 24 31 | 19°49'36 | 20°25 | 1°53 | 9°19 | 4° 8 | 10°10 | 28°59 | 4°26 | 27° 0 | 18°10 | 2°52 | 1° 8 | 22° 9 | 10° 9 | T 4 |
| W 5 | 3 28 27 | 20°50'18 | 5♏ 1 | 3°16 | 10°31 | 4°54 | 10° 5 | 28°54 | 4°29 | 26°58 | 18° 9 | 2°48 | 1° 5 | 22°15 | 10° 9 | W 5 |
| T 6 | 3 32 24 | 21°51'01 | 19°31 | 4°41 | 11°42 | 5°40 | 10° 1 | 28°49 | 4°32 | 26°57 | 18° 8 | 2°42 | 1° 2 | 22°22 | 10° 8 | T 6 |
| F 7 | 3 36 20 | 22°51'45 | 3♐48 | 6° 7 | 12°54 | 6°26 | 9°57 | 28°45 | 4°35 | 26°55 | 18° 7 | 2°35 | 0°59 | 22°29 | 10° 8 | F 7 |
| S 8 | 3 40 17 | 23°52'30 | 17°46 | 7°35 | 14° 6 | 7°12 | 9°53 | 28°40 | 4°38 | 26°54 | 18° 6 | 2°26 | 0°56 | 22°35 | 10° 7 | S 8 |
| S 9 | 3 44 13 | 24°53'17 | 1♑21 | 9° 4 | 15°18 | 7°59 | 9°50 | 28°35 | 4°40 | 26°52 | 18° 4 | 2°17 | 0°52 | 22°42 | 10° 7 | S 9 |
| M10 | 3 48 10 | 25°54'05 | 14°32 | 10°34 | 16°30 | 8°45 | 9°46 | 28°30 | 4°43 | 26°51 | 18° 3 | 2° 9 | 0°49 | 22°49 | 10° 7 | M10 |
| T 11 | 3 52 6 | 26°54'54 | 27°19 | 12° 4 | 17°42 | 9°31 | 9°43 | 28°25 | 4°46 | 26°49 | 18° 2 | 2° 2 | 0°46 | 22°55 | 10° 7 | T 11 |
| W12 | 3 56 3 | 27°55'44 | 9♒45 | 13°35 | 18°54 | 10°17 | 9°40 | 28°20 | 4°48 | 26°48 | 18° 1 | 1°58 | 0°43 | 23° 2 | 10° 7 | W12 |
| T 13 | 4 0 0 | 28°56'35 | 21°54 | 15° 6 | 20° 6 | 11° 4 | 9°37 | 28°15 | 4°51 | 26°47 | 18° 0 | 1°56 | 0°40 | 23° 8 | 10°D 7 | T 13 |
| F 14 | 4 3 56 | 29°57'27 | 3♓50 | 16°38 | 21°18 | 11°50 | 9°34 | 28°10 | 4°54 | 26°45 | 17°59 | 1°D56 | 0°37 | 23°15 | 10° 7 | F 14 |
| S 15 | 4 7 53 | 0♐58'20 | 15°39 | 18°10 | 22°31 | 12°37 | 9°32 | 28° 5 | 4°56 | 26°44 | 17°58 | 1°57 | 0°33 | 23°22 | 10° 7 | S 15 |
| S 16 | 4 11 49 | 1°59'13 | 27°26 | 19°42 | 23°43 | 13°23 | 9°30 | 28° 0 | 4°59 | 26°43 | 17°57 | 1°R57 | 0°30 | 23°28 | 10° 7 | S 16 |
| M17 | 4 15 46 | 3° 0'07 | 9♈17 | 21°15 | 24°56 | 14°10 | 9°28 | 27°55 | 5° 1 | 26°41 | 17°56 | 1°57 | 0°27 | 23°35 | 10° 7 | M17 |
| T 18 | 4 19 42 | 4° 1'03 | 21°17 | 22°48 | 26° 8 | 14°56 | 9°26 | 27°50 | 5° 3 | 26°40 | 17°55 | 1°55 | 0°24 | 23°42 | 10° 8 | T 18 |
| W19 | 4 23 39 | 5° 1'59 | 3♉28 | 24°20 | 27°21 | 15°43 | 9°24 | 27°45 | 5° 6 | 26°39 | 17°53 | 1°51 | 0°21 | 23°48 | 10° 8 | W19 |
| T 20 | 4 27 35 | 6° 2'56 | 15°55 | 25°53 | 28°34 | 16°29 | 9°23 | 27°41 | 5° 8 | 26°38 | 17°52 | 1°43 | 0°18 | 23°55 | 10° 8 | T 20 |
| F 21 | 4 31 32 | 7° 3'53 | 28°37 | 27°26 | 29°47 | 17°16 | 9°21 | 27°36 | 5°10 | 26°36 | 17°51 | 1°34 | 0°14 | 24° 2 | 10° 9 | F 21 |
| S 22 | 4 35 29 | 8° 4'52 | 11♊37 | 29° 0 | 1♏ 0 | 18° 3 | 9°20 | 27°31 | 5°12 | 26°35 | 17°50 | 1°22 | 0°11 | 24° 8 | 10° 9 | S 22 |
| S 23 | 4 39 25 | 9° 5'52 | 24°52 | 0♐33 | 2°13 | 18°49 | 9°20 | 27°26 | 5°15 | 26°34 | 17°49 | 1°10 | 0° 8 | 24°15 | 10°10 | S 23 |
| M24 | 4 43 22 | 10° 6'53 | 8♋20 | 2° 6 | 3°26 | 19°36 | 9°19 | 27°21 | 5°17 | 26°33 | 17°48 | 0°58 | 0° 5 | 24°22 | 10°10 | M24 |
| T 25 | 4 47 18 | 11° 7'54 | 21°59 | 3°39 | 4°39 | 20°23 | 9°19 | 27°17 | 5°19 | 26°32 | 17°47 | 0°48 | 0° 2 | 24°28 | 10°11 | T 25 |
| W26 | 4 51 15 | 12° 8'57 | 5♌47 | 5°13 | 5°52 | 21°10 | 9°D18 | 27°12 | 5°21 | 26°31 | 17°46 | 0°41 | 29♍58 | 24°35 | 10°12 | W26 |
| T 27 | 4 55 11 | 13°10'00 | 19°41 | 6°47 | 7° 6 | 21°56 | 9°18 | 27° 7 | 5°23 | 26°30 | 17°45 | 0°36 | 29°55 | 24°42 | 10°13 | T 27 |
| F 28 | 4 59 8 | 14°11'05 | 3♍40 | 8°20 | 8°19 | 22°43 | 9°19 | 27° 3 | 5°25 | 26°29 | 17°44 | 0°34 | 29°52 | 24°48 | 10°13 | F 28 |
| S 29 | 5 3 4 | 15°12'10 | 17°43 | 9°54 | 9°32 | 23°30 | 9°19 | 26°58 | 5°27 | 26°28 | 17°43 | 0°D34 | 29°49 | 24°55 | 10°14 | S 29 |
| S 30 | 5 7 1 | 16♐13'16 | 1♎49 | 11♐28 | 10♏46 | 24♑17 | 9♈20 | 26♉53 | 5♎29 | 26♈27 | 17♉42 | 0°R34 | 29♍46 | 25♓ 1 | 10♓15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s55 | 6n53 | 2s16 | 8s41 | 2n14 | 0s40 | 1n46 | 24s50 | 1s19 | 2n42 | 1s34 | 17n56 | 2s10 | 1s 5 | 0n41 | 8n43 | 1s52 | 3n34 | 14s17 | 1s 8 | 0s31 | 2s29 | 3s25 | 4n42 |
| S 2 | 17 12 | 2 30 | 1 2 | 9 11 | 2 11 | 1 7 | 1 48 | 24 49 | 1 19 | 2 40 | 1 34 | 17 55 | 2 10 | 1 6 | 0 41 | 8 43 | 1 52 | 3 33 | 14 17 | 1 9 | 0 30 | 2 27 | 3 26 | 4 42 |
| M 3 | 17 29 | 2s 5 | 0n16 | 9 42 | 2 7 | 1 33 | 1 50 | 24 48 | 1 19 | 2 38 | 1 33 | 17 54 | 2 10 | 1 7 | 0 41 | 8 42 | 1 52 | 3 33 | 14 17 | 1 9 | 0 29 | 2 25 | 3 26 | 4 42 |
| T 4 | 17 45 | 6 34 | 1 33 | 10 15 | 2 3 | 2 0 | 1 51 | 24 46 | 1 19 | 2 37 | 1 33 | 17 53 | 2 10 | 1 8 | 0 41 | 8 41 | 1 52 | 3 33 | 14 17 | 1 9 | 0 27 | 2 23 | 3 27 | 4 41 |
| W 5 | 18 1 | 10 39 | 2 45 | 10 48 | 1 58 | 2 27 | 1 53 | 24 45 | 1 19 | 2 35 | 1 33 | 17 52 | 2 10 | 1 9 | 0 42 | 8 41 | 1 52 | 3 33 | 14 17 | 1 7 | 0 26 | 2 21 | 3 27 | 4 41 |
| T 6 | 18 17 | 14 4 | 3 45 | 11 21 | 1 53 | 2 54 | 1 54 | 24 43 | 1 19 | 2 34 | 1 33 | 17 51 | 2 10 | 1 10 | 0 42 | 8 40 | 1 52 | 3 32 | 14 17 | 1 5 | 0 25 | 2 19 | 3 28 | 4 41 |
| F 7 | 18 33 | 16 34 | 4 29 | 11 55 | 1 47 | 3 20 | 1 55 | 24 41 | 1 19 | 2 32 | 1 32 | 17 50 | 2 10 | 1 11 | 0 42 | 8 40 | 1 52 | 3 32 | 14 17 | 1 2 | 0 23 | 2 18 | 3 28 | 4 40 |
| S 8 | 18 48 | 18 1 | 4 57 | 12 30 | 1 41 | 3 47 | 1 57 | 24 38 | 1 19 | 2 31 | 1 32 | 17 49 | 2 10 | 1 12 | 0 42 | 8 39 | 1 52 | 3 32 | 14 17 | 0 58 | 0 22 | 2 16 | 3 28 | 4 40 |
| S 9 | 19 3 | 18 24 | 5 7 | 13 4 | 1 35 | 4 14 | 1 58 | 24 36 | 1 19 | 2 30 | 1 32 | 17 48 | 2 10 | 1 14 | 0 42 | 8 39 | 1 52 | 3 32 | 14 17 | 0 55 | 0 21 | 2 14 | 3 29 | 4 40 |
| M10 | 19 18 | 17 45 | 5 0 | 13 38 | 1 29 | 4 41 | 1 59 | 24 32 | 1 19 | 2 29 | 1 31 | 17 47 | 2 10 | 1 15 | 0 42 | 8 38 | 1 52 | 3 31 | 14 17 | 0 51 | 0 20 | 2 12 | 3 29 | 4 39 |
| T 11 | 19 32 | 16 13 | 4 38 | 14 12 | 1 22 | 5 8 | 1 59 | 24 29 | 1 19 | 2 28 | 1 31 | 17 46 | 2 9 | 1 16 | 0 42 | 8 38 | 1 52 | 3 31 | 14 17 | 0 49 | 0 18 | 2 10 | 3 30 | 4 39 |
| W12 | 19 46 | 13 58 | 4 3 | 14 46 | 1 15 | 5 34 | 2 0 | 24 26 | 1 19 | 2 27 | 1 31 | 17 45 | 2 9 | 1 17 | 0 42 | 8 37 | 1 52 | 3 31 | 14 17 | 0 47 | 0 17 | 2 8 | 3 30 | 4 39 |
| T 13 | 19 59 | 11 8 | 3 18 | 15 20 | 1 8 | 6 1 | 2 1 | 24 22 | 1 19 | 2 26 | 1 31 | 17 44 | 2 9 | 1 18 | 0 42 | 8 37 | 1 52 | 3 31 | 14 17 | 0 46 | 0 16 | 2 7 | 3 30 | 4 38 |
| F 14 | 20 12 | 7 53 | 2 25 | 15 53 | 1 1 | 6 28 | 2 1 | 24 18 | 1 19 | 2 25 | 1 30 | 17 43 | 2 9 | 1 19 | 0 42 | 8 37 | 1 52 | 3 31 | 14 16 | 0 46 | 0 15 | 2 5 | 3 30 | 4 38 |
| S 15 | 20 25 | 4 21 | 1 26 | 16 26 | 0 54 | 6 54 | 2 2 | 24 13 | 1 19 | 2 25 | 1 30 | 17 42 | 2 9 | 1 20 | 0 42 | 8 36 | 1 52 | 3 30 | 14 16 | 0 47 | 0 13 | 2 3 | 3 31 | 4 38 |
| S 16 | 20 38 | 0 39 | 0 24 | 16 58 | 0 47 | 7 21 | 2 2 | 24 9 | 1 18 | 2 24 | 1 30 | 17 41 | 2 9 | 1 21 | 0 42 | 8 36 | 1 52 | 3 30 | 14 16 | 0 47 | 0 12 | 2 1 | 3 31 | 4 37 |
| M17 | 20 50 | 3n 6 | 0s39 | 17 29 | 0 40 | 7 47 | 2 2 | 24 4 | 1 18 | 2 23 | 1 29 | 17 40 | 2 9 | 1 22 | 0 42 | 8 35 | 1 52 | 3 30 | 14 16 | 0 47 | 0 11 | 1 59 | 3 31 | 4 37 |
| T 18 | 21 1 | 6 45 | 1 41 | 18 0 | 0 33 | 8 13 | 2 3 | 23 58 | 1 18 | 2 23 | 1 29 | 17 39 | 2 9 | 1 22 | 0 42 | 8 35 | 1 52 | 3 30 | 14 16 | 0 46 | 0 10 | 1 58 | 3 31 | 4 37 |
| W19 | 21 12 | 10 12 | 2 40 | 18 30 | 0 26 | 8 39 | 2 3 | 23 53 | 1 18 | 2 23 | 1 29 | 17 38 | 2 9 | 1 23 | 0 42 | 8 34 | 1 52 | 3 30 | 14 16 | 0 44 | 0 8 | 1 56 | 3 32 | 4 36 |
| T 20 | 21 23 | 13 16 | 3 32 | 18 59 | 0 19 | 9 5 | 2 3 | 23 47 | 1 18 | 2 22 | 1 28 | 17 37 | 2 9 | 1 24 | 0 42 | 8 34 | 1 52 | 3 29 | 14 16 | 0 41 | 0 7 | 1 54 | 3 32 | 4 36 |
| F 21 | 21 34 | 15 47 | 4 15 | 19 27 | 0 12 | 9 31 | 2 2 | 23 41 | 1 18 | 2 22 | 1 28 | 17 36 | 2 9 | 1 25 | 0 42 | 8 34 | 1 52 | 3 29 | 14 16 | 0 37 | 0 6 | 1 52 | 3 32 | 4 36 |
| S 22 | 21 44 | 17 33 | 4 45 | 19 55 | 0 5 | 9 57 | 2 2 | 23 35 | 1 18 | 2 22 | 1 28 | 17 35 | 2 8 | 1 26 | 0 42 | 8 33 | 1 52 | 3 29 | 14 16 | 0 33 | 0 4 | 1 50 | 3 32 | 4 36 |
| S 23 | 21 53 | 18 25 | 5 1 | 20 22 | 0s 2 | 10 22 | 2 2 | 23 28 | 1 17 | 2 22 | 1 28 | 17 34 | 2 8 | 1 27 | 0 42 | 8 33 | 1 51 | 3 29 | 14 15 | 0 28 | 0 3 | 1 48 | 3 32 | 4 35 |
| M24 | 22 2 | 18 16 | 5 0 | 20 47 | 0 9 | 10 48 | 2 1 | 23 21 | 1 17 | 2 22 | 1 27 | 17 33 | 2 8 | 1 28 | 0 42 | 8 32 | 1 51 | 3 29 | 14 15 | 0 23 | 0 2 | 1 47 | 3 32 | 4 35 |
| T 25 | 22 11 | 17 4 | 4 42 | 21 12 | 0 15 | 11 13 | 2 1 | 23 14 | 1 17 | 2 22 | 1 27 | 17 32 | 2 8 | 1 28 | 0 42 | 8 32 | 1 51 | 3 29 | 14 15 | 0 19 | 0 1 | 1 45 | 3 32 | 4 35 |
| W26 | 22 19 | 14 53 | 4 8 | 21 36 | 0 22 | 11 38 | 2 0 | 23 7 | 1 17 | 2 22 | 1 27 | 17 31 | 2 8 | 1 29 | 0 42 | 8 32 | 1 51 | 3 29 | 14 15 | 0 16 | 0n 1 | 1 43 | 3 32 | 4 34 |
| T 27 | 22 27 | 11 49 | 3 19 | 21 59 | 0 29 | 12 2 | 2 0 | 22 59 | 1 17 | 2 23 | 1 26 | 17 30 | 2 8 | 1 30 | 0 42 | 8 31 | 1 51 | 3 29 | 14 15 | 0 15 | 0 2 | 1 41 | 3 32 | 4 34 |
| F 28 | 22 35 | 8 3 | 2 18 | 22 21 | 0 35 | 12 27 | 1 59 | 22 51 | 1 16 | 2 23 | 1 26 | 17 29 | 2 8 | 1 31 | 0 42 | 8 31 | 1 51 | 3 28 | 14 15 | 0 14 | 0 3 | 1 39 | 3 32 | 4 34 |
| S 29 | 22 42 | 3 50 | 1 8 | 22 41 | 0 41 | 12 51 | 1 58 | 22 43 | 1 16 | 2 24 | 1 26 | 17 29 | 2 7 | 1 31 | 0 42 | 8 31 | 1 51 | 3 28 | 14 14 | 0 14 | 0 4 | 1 37 | 3 32 | 4 33 |
| S 30 | 22s48 | 0s37 | 0n 7 | 23s 1 | 0s47 | 13s15 | 1n57 | 22s34 | 1s16 | 2n24 | 1s25 | 17n28 | 2s 7 | 1s32 | 0n42 | 8n31 | 1s51 | 3n28 | 14s14 | 0s14 | 0n 6 | 1s36 | 3s32 | 4n33 |

Julian Day Number = 2226137.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'53, Lahiri = 15°14'53 Julian Calendar 1 Nov. 1382 == Greg. Calendar 9 Nov. 1382


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# ASTRODIENST EPHEMERIS for the year 1382
# geocentric

## DECEMBER 1382 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 10 58 | 17♐14'24 | 15♎58 | 13♐ 2 | 11♏59 | 25♑ 4 | 9♈21 | 26°R49 | 5♎30 | 26°R26 | 17°R41 | 0°R33 | 29♍43 | 25♓ 8 | 10♓16 | M 1 |
| T 2 | 5 14 54 | 18°15'32 | 0♏ 7 | 14°36 | 13°13 | 25°51 | 9°22 | 26♉45 | 5°32 | 26♈25 | 17♉40 | 0♎30 | 29°39 | 25°15 | 10°17 | T 2 |
| W 3 | 5 18 51 | 19°16'41 | 14°16 | 16°10 | 14°27 | 26°38 | 9°23 | 26°40 | 5°34 | 26°24 | 17°39 | 0°25 | 29°36 | 25°21 | 10°18 | W 3 |
| T 4 | 5 22 47 | 20°17'50 | 28°19 | 17°45 | 15°40 | 27°25 | 9°24 | 26°36 | 5°35 | 26°23 | 17°38 | 0°16 | 29°33 | 25°28 | 10°20 | T 4 |
| F 5 | 5 26 44 | 21°19'01 | 12♐14 | 19°20 | 16°54 | 28°12 | 9°26 | 26°32 | 5°37 | 26°22 | 17°37 | 0° 5 | 29°30 | 25°35 | 10°21 | F 5 |
| S 6 | 5 30 40 | 22°20'11 | 25°54 | 20°54 | 18° 8 | 28°59 | 9°28 | 26°27 | 5°38 | 26°22 | 17°37 | 29♍52 | 29°27 | 25°41 | 10°22 | S 6 |
| S 7 | 5 34 37 | 23°21'23 | 9♑18 | 22°30 | 19°22 | 29°46 | 9°30 | 26°23 | 5°40 | 26°21 | 17°36 | 29°38 | 29°24 | 25°48 | 10°23 | S 7 |
| M 8 | 5 38 34 | 24°22'34 | 22°22 | 24° 5 | 20°35 | 0♒33 | 9°32 | 26°19 | 5°41 | 26°20 | 17°35 | 29°26 | 29°20 | 25°55 | 10°25 | M 8 |
| T 9 | 5 42 30 | 25°23'45 | 5♒ 6 | 25°40 | 21°49 | 1°20 | 9°35 | 26°15 | 5°43 | 26°19 | 17°34 | 29°15 | 29°17 | 26° 1 | 10°26 | T 9 |
| W10 | 5 46 27 | 26°24'57 | 17°31 | 27°16 | 23° 3 | 2° 7 | 9°38 | 26°11 | 5°44 | 26°19 | 17°33 | 29° 7 | 29°14 | 26° 8 | 10°28 | W10 |
| T 11 | 5 50 23 | 27°26'08 | 29°40 | 28°52 | 24°17 | 2°54 | 9°41 | 26° 7 | 5°45 | 26°18 | 17°32 | 29° 3 | 29°11 | 26°15 | 10°29 | T 11 |
| F 12 | 5 54 20 | 28°27'20 | 11♓36 | 0♑29 | 25°31 | 3°41 | 9°44 | 26° 4 | 5°47 | 26°17 | 17°31 | 29° 0 | 29° 8 | 26°21 | 10°31 | F 12 |
| S 13 | 5 58 16 | 29°28'31 | 23°25 | 2° 6 | 26°45 | 4°28 | 9°47 | 26° 0 | 5°48 | 26°17 | 17°31 | 29° 0 | 29° 4 | 26°28 | 10°33 | S 13 |
| S 14 | 6 2 13 | 0♑29'42 | 5♈13 | 3°43 | 27°59 | 5°16 | 9°50 | 25°56 | 5°49 | 26°16 | 17°30 | 29° 0 | 29° 1 | 26°35 | 10°34 | S 14 |
| M15 | 6 6 9 | 1°30'53 | 17° 4 | 5°20 | 29°13 | 6° 3 | 9°54 | 25°53 | 5°50 | 26°16 | 17°29 | 28°59 | 28°58 | 26°41 | 10°36 | M15 |
| T 16 | 6 10 6 | 2°32'04 | 29° 4 | 6°58 | 0♐27 | 6°50 | 9°58 | 25°49 | 5°51 | 26°15 | 17°28 | 28°57 | 28°55 | 26°48 | 10°38 | T 16 |
| W17 | 6 14 3 | 3°33'14 | 11♉19 | 8°35 | 1°42 | 7°37 | 10° 2 | 25°46 | 5°52 | 26°15 | 17°27 | 28°52 | 28°52 | 26°54 | 10°40 | W17 |
| T 18 | 6 17 59 | 4°34'25 | 23°52 | 10°14 | 2°56 | 8°24 | 10° 6 | 25°43 | 5°53 | 26°15 | 17°27 | 28°44 | 28°49 | 27° 1 | 10°42 | T 18 |
| F 19 | 6 21 56 | 5°35'35 | 6♊47 | 11°52 | 4°10 | 9°11 | 10°11 | 25°39 | 5°53 | 26°14 | 17°26 | 28°34 | 28°45 | 27° 8 | 10°44 | F 19 |
| S 20 | 6 25 52 | 6°36'44 | 20° 2 | 13°31 | 5°24 | 9°59 | 10°15 | 25°36 | 5°54 | 26°14 | 17°25 | 28°22 | 28°42 | 27°14 | 10°46 | S 20 |
| S 21 | 6 29 49 | 7°37'54 | 3♋39 | 15°10 | 6°38 | 10°46 | 10°20 | 25°33 | 5°55 | 26°14 | 17°25 | 28° 9 | 28°39 | 27°21 | 10°48 | S 21 |
| M22 | 6 33 45 | 8°39'03 | 17°33 | 16°50 | 7°53 | 11°33 | 10°25 | 25°30 | 5°56 | 26°13 | 17°24 | 27°57 | 28°36 | 27°28 | 10°50 | M22 |
| T 23 | 6 37 42 | 9°40'12 | 1♌40 | 18°29 | 9° 7 | 12°20 | 10°30 | 25°28 | 5°56 | 26°13 | 17°23 | 27°46 | 28°33 | 27°34 | 10°52 | T 23 |
| W24 | 6 41 38 | 10°41'21 | 15°55 | 20° 9 | 10°21 | 13° 7 | 10°36 | 25°25 | 5°57 | 26°13 | 17°23 | 27°37 | 28°30 | 27°41 | 10°54 | W24 |
| T 25 | 6 45 35 | 11°42'30 | 0♍13 | 21°49 | 11°36 | 13°54 | 10°41 | 25°22 | 5°57 | 26°13 | 17°22 | 27°32 | 28°26 | 27°48 | 10°56 | T 25 |
| F 26 | 6 49 32 | 12°43'38 | 14°29 | 23°29 | 12°50 | 14°42 | 10°47 | 25°20 | 5°58 | 26°13 | 17°22 | 27°30 | 28°23 | 27°54 | 10°59 | F 26 |
| S 27 | 6 53 28 | 13°44'47 | 28°41 | 25° 9 | 14° 4 | 15°29 | 10°53 | 25°17 | 5°58 | 26°12 | 17°21 | 27°D29 | 28°20 | 28° 1 | 11° 1 | S 27 |
| S 28 | 6 57 25 | 14°45'55 | 12♎47 | 26°48 | 15°19 | 16°16 | 10°59 | 25°15 | 5°58 | 26°12 | 17°20 | 27°R29 | 28°17 | 28° 8 | 11° 3 | S 28 |
| M29 | 7 1 21 | 15°47'03 | 26°47 | 28°28 | 16°33 | 17° 3 | 11° 5 | 25°13 | 5°59 | 26°D12 | 17°20 | 27°29 | 28°14 | 28°14 | 11° 6 | M29 |
| T 30 | 7 5 18 | 16°48'11 | 10♏40 | 0♒ 7 | 17°47 | 17°50 | 11°12 | 25°11 | 5°59 | 26°12 | 17°19 | 27°27 | 28°10 | 28°21 | 11° 8 | T 30 |
| W31 | 7 9 14 | 17♑49'19 | 24♏25 | 1♒45 | 19♐ 2 | 18♒38 | 11♈18 | 25♉ 9 | 5♎59 | 26♈12 | 17♉19 | 27♍22 | 28♍ 7 | 28♓27 | 11♓11 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s54 | 5s 4 | 1n21 | 23s19 | 0s53 | 13s38 | 1n56 | 22s26 | 1s16 | 2n25 | 1s25 | 17n27 | 2s 7 | 1s33 | 0n42 | 8n30 | 1s51 | 3n28 | 14s14 | 0s13 | 0n 7 | 1s34 | 3s32 | 4n33 |
| T 2 | 23 0 | 9 13 | 2 30 | 23 36 | 0 59 | 14 2 | 1 55 | 22 17 | 1 15 | 2 25 | 1 25 | 17 26 | 2 7 | 1 33 | 0 42 | 8 30 | 1 51 | 3 28 | 14 14 | 0 12 | 0 8 | 1 32 | 3 32 | 4 32 |
| W 3 | 23 5 | 12 50 | 3 29 | 23 52 | 1 5 | 14 25 | 1 54 | 22 8 | 1 15 | 2 26 | 1 24 | 17 25 | 2 7 | 1 34 | 0 42 | 8 30 | 1 51 | 3 28 | 14 14 | 0 10 | 0 9 | 1 30 | 3 32 | 4 32 |
| T 4 | 23 10 | 15 42 | 4 16 | 24 7 | 1 11 | 14 47 | 1 53 | 21 58 | 1 15 | 2 27 | 1 24 | 17 24 | 2 7 | 1 35 | 0 42 | 8 29 | 1 51 | 3 28 | 14 14 | 0 6 | 0 11 | 1 28 | 3 32 | 4 32 |
| F 5 | 23 14 | 17 36 | 4 46 | 24 21 | 1 16 | 15 9 | 1 51 | 21 48 | 1 15 | 2 28 | 1 24 | 17 23 | 2 6 | 1 35 | 0 42 | 8 29 | 1 51 | 3 28 | 14 13 | 0 2 | 0 12 | 1 26 | 3 31 | 4 31 |
| S 6 | 23 18 | 18 28 | 5 0 | 24 33 | 1 21 | 15 31 | 1 50 | 21 39 | 1 14 | 2 29 | 1 23 | 17 23 | 2 6 | 1 36 | 0 42 | 8 29 | 1 51 | 3 28 | 14 13 | 0n 3 | 0 13 | 1 25 | 3 31 | 4 31 |
| S 7 | 23 21 | 18 16 | 4 56 | 24 44 | 1 26 | 15 53 | 1 49 | 21 28 | 1 14 | 2 30 | 1 23 | 17 22 | 2 6 | 1 36 | 0 42 | 8 29 | 1 51 | 3 28 | 14 13 | 0 9 | 0 15 | 1 23 | 3 31 | 4 31 |
| M 8 | 23 24 | 17 6 | 4 37 | 24 54 | 1 31 | 16 14 | 1 47 | 21 18 | 1 14 | 2 31 | 1 23 | 17 21 | 2 6 | 1 37 | 0 43 | 8 28 | 1 51 | 3 28 | 14 13 | 0 14 | 0 16 | 1 21 | 3 31 | 4 30 |
| T 9 | 23 26 | 15 6 | 4 4 | 25 2 | 1 35 | 16 35 | 1 45 | 21 7 | 1 14 | 2 33 | 1 22 | 17 20 | 2 6 | 1 38 | 0 43 | 8 28 | 1 51 | 3 28 | 14 13 | 0 18 | 0 17 | 1 19 | 3 31 | 4 30 |
| W10 | 23 28 | 12 27 | 3 21 | 25 9 | 1 40 | 16 55 | 1 44 | 20 56 | 1 13 | 2 34 | 1 22 | 17 20 | 2 5 | 1 38 | 0 43 | 8 28 | 1 51 | 3 28 | 14 12 | 0 21 | 0 18 | 1 17 | 3 30 | 4 30 |
| T 11 | 23 29 | 9 18 | 2 29 | 25 14 | 1 44 | 17 15 | 1 42 | 20 45 | 1 13 | 2 35 | 1 22 | 17 19 | 2 5 | 1 38 | 0 43 | 8 28 | 1 51 | 3 28 | 14 12 | 0 23 | 0 20 | 1 15 | 3 30 | 4 30 |
| F 12 | 23 30 | 5 50 | 1 31 | 25 18 | 1 47 | 17 35 | 1 40 | 20 34 | 1 13 | 2 37 | 1 22 | 17 18 | 2 5 | 1 39 | 0 43 | 8 28 | 1 51 | 3 28 | 14 12 | 0 24 | 0 21 | 1 14 | 3 30 | 4 29 |
| S 13 | 23 31 | 2 10 | 0 30 | 25 21 | 1 51 | 17 54 | 1 38 | 20 22 | 1 12 | 2 39 | 1 21 | 17 18 | 2 5 | 1 39 | 0 43 | 8 28 | 1 50 | 3 28 | 14 12 | 0 24 | 0 22 | 1 12 | 3 29 | 4 29 |
| S 14 | 23 31 | 1n34 | 0s33 | 25 22 | 1 54 | 18 12 | 1 37 | 20 11 | 1 12 | 2 40 | 1 21 | 17 17 | 2 5 | 1 40 | 0 43 | 8 27 | 1 50 | 3 28 | 14 11 | 0 24 | 0 23 | 1 10 | 3 29 | 4 29 |
| M15 | 23 30 | 5 16 | 1 34 | 25 21 | 1 57 | 18 31 | 1 35 | 19 59 | 1 12 | 2 42 | 1 21 | 17 16 | 2 4 | 1 40 | 0 43 | 8 27 | 1 50 | 3 28 | 14 11 | 0 24 | 0 25 | 1 8 | 3 28 | 4 28 |
| T 16 | 23 30 | 8 48 | 2 32 | 25 19 | 1 59 | 18 48 | 1 33 | 19 46 | 1 11 | 2 44 | 1 20 | 17 16 | 2 4 | 1 40 | 0 43 | 8 27 | 1 50 | 3 28 | 14 11 | 0 25 | 0 26 | 1 6 | 3 28 | 4 28 |
| W17 | 23 28 | 12 2 | 3 24 | 25 16 | 2 2 | 19 5 | 1 31 | 19 34 | 1 11 | 2 46 | 1 20 | 17 15 | 2 4 | 1 41 | 0 43 | 8 27 | 1 50 | 3 28 | 14 11 | 0 27 | 0 27 | 1 4 | 3 28 | 4 28 |
| T 18 | 23 26 | 14 48 | 4 8 | 25 10 | 2 4 | 19 22 | 1 28 | 19 21 | 1 11 | 2 48 | 1 20 | 17 15 | 2 4 | 1 41 | 0 43 | 8 27 | 1 50 | 3 28 | 14 10 | 0 30 | 0 28 | 1 2 | 3 27 | 4 28 |
| F 19 | 23 24 | 16 55 | 4 40 | 25 4 | 2 5 | 19 38 | 1 26 | 19 9 | 1 10 | 2 50 | 1 19 | 17 14 | 2 4 | 1 41 | 0 43 | 8 27 | 1 50 | 3 28 | 14 10 | 0 34 | 0 30 | 1 1 | 3 27 | 4 27 |
| S 20 | 23 21 | 18 12 | 4 58 | 24 55 | 2 6 | 19 54 | 1 24 | 18 55 | 1 10 | 2 52 | 1 19 | 17 14 | 2 3 | 1 42 | 0 43 | 8 27 | 1 50 | 3 28 | 14 10 | 0 39 | 0 31 | 0 59 | 3 26 | 4 27 |
| S 21 | 23 18 | 18 29 | 4 59 | 24 45 | 2 7 | 20 9 | 1 22 | 18 42 | 1 9 | 2 54 | 1 19 | 17 13 | 2 3 | 1 42 | 0 43 | 8 27 | 1 50 | 3 28 | 14 10 | 0 44 | 0 32 | 0 57 | 3 26 | 4 27 |
| M22 | 23 14 | 17 40 | 4 44 | 24 33 | 2 7 | 20 23 | 1 19 | 18 29 | 1 9 | 2 56 | 1 19 | 17 13 | 2 3 | 1 42 | 0 43 | 8 27 | 1 50 | 3 28 | 14 9 | 0 49 | 0 34 | 0 55 | 3 25 | 4 26 |
| T 23 | 23 10 | 15 47 | 4 10 | 24 20 | 2 7 | 20 37 | 1 17 | 18 15 | 1 9 | 2 58 | 1 18 | 17 12 | 2 3 | 1 42 | 0 43 | 8 27 | 1 50 | 3 28 | 14 9 | 0 54 | 0 35 | 0 53 | 3 25 | 4 26 |
| W24 | 23 5 | 12 55 | 3 21 | 24 5 | 2 6 | 20 50 | 1 15 | 18 1 | 1 8 | 3 1 | 1 18 | 17 12 | 2 2 | 1 43 | 0 43 | 8 27 | 1 50 | 3 28 | 14 9 | 0 57 | 0 36 | 0 51 | 3 24 | 4 26 |
| T 25 | 23 0 | 9 16 | 2 19 | 23 48 | 2 5 | 21 3 | 1 12 | 17 47 | 1 8 | 3 3 | 1 18 | 17 11 | 2 2 | 1 43 | 0 43 | 8 27 | 1 50 | 3 28 | 14 9 | 0 59 | 0 37 | 0 50 | 3 23 | 4 26 |
| F 26 | 22 54 | 5 5 | 1 8 | 23 30 | 2 4 | 21 15 | 1 10 | 17 33 | 1 7 | 3 6 | 1 17 | 17 11 | 2 2 | 1 43 | 0 43 | 8 27 | 1 50 | 3 29 | 14 8 | 1 0 | 0 39 | 0 48 | 3 23 | 4 25 |
| S 27 | 22 48 | 0 37 | 0n 6 | 23 10 | 2 1 | 21 27 | 1 7 | 17 19 | 1 7 | 3 8 | 1 17 | 17 11 | 2 2 | 1 43 | 0 43 | 8 27 | 1 50 | 3 29 | 14 8 | 1 0 | 0 40 | 0 46 | 3 22 | 4 25 |
| S 28 | 22 42 | 3s50 | 1 20 | 22 48 | 1 58 | 21 38 | 1 5 | 17 4 | 1 7 | 3 11 | 1 17 | 17 10 | 2 1 | 1 43 | 0 43 | 8 27 | 1 50 | 3 29 | 14 8 | 1 0 | 0 41 | 0 44 | 3 22 | 4 25 |
| M29 | 22 35 | 8 3 | 2 29 | 22 25 | 1 55 | 21 48 | 1 2 | 16 50 | 1 6 | 3 14 | 1 16 | 17 10 | 2 1 | 1 43 | 0 43 | 8 27 | 1 50 | 3 29 | 14 8 | 1 0 | 0 42 | 0 42 | 3 21 | 4 25 |
| T 30 | 22 27 | 11 46 | 3 28 | 22 0 | 1 51 | 21 58 | 1 0 | 16 35 | 1 6 | 3 17 | 1 16 | 17 10 | 2 1 | 1 43 | 0 43 | 8 27 | 1 49 | 3 29 | 14 7 | 1 1 | 0 44 | 0 40 | 3 20 | 4 24 |
| W31 | 22s20 | 14s49 | 4n15 | 21s34 | 1s46 | 22s 7 | 0n57 | 16s20 | 1s 5 | 3n19 | 1s16 | 17n10 | 2s 1 | 1s43 | 0n43 | 8n27 | 1s49 | 3n29 | 14s 7 | 1n 3 | 0n45 | 0s39 | 3s19 | 4n24 |

Julian Day Number = 2226167.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'00, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°07'57, Lahiri = 15°14'57 Julian Calendar 1 Dec. 1382 == Greg. Calendar 9 Dec. 1382


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## JANUARY 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 13 11 | 18♉50'27 | 8♐ 3 | 3♒22 | 20♐16 | 19♒25 | 11♈25 | 25°R 7 | 5♎59 | 26♈12 | 17°R18 | 27°R14 | 28♍ 4 | 28♓34 | 11♓13 | T 1 |
| F 2 | 7 17 7 | 19°51'34 | 21°30 | 4°59 | 21°31 | 20°12 | 11°32 | 25♉ 5 | 5°R59 | 26°13 | 17♉18 | 27♍ 4 | 28° 1 | 28°41 | 11°16 | F 2 |
| S 3 | 7 21 4 | 20°52'40 | 4♉46 | 6°34 | 22°45 | 20°59 | 11°39 | 25° 3 | 5°59 | 26°13 | 17°18 | 26°52 | 27°58 | 28°47 | 11°19 | S 3 |
| S 4 | 7 25 1 | 21°53'46 | 17°49 | 8° 7 | 24° 0 | 21°46 | 11°46 | 25° 2 | 5°59 | 26°13 | 17°17 | 26°40 | 27°55 | 28°54 | 11°21 | S 4 |
| M 5 | 7 28 57 | 22°54'52 | 0♒37 | 9°38 | 25°14 | 22°33 | 11°54 | 25° 0 | 5°59 | 26°13 | 17°17 | 26°29 | 27°51 | 29° 1 | 11°24 | M 5 |
| T 6 | 7 32 54 | 23°55'56 | 13° 9 | 11° 6 | 26°29 | 23°21 | 12° 1 | 24°59 | 5°59 | 26°13 | 17°16 | 26°19 | 27°48 | 29° 7 | 11°27 | T 6 |
| W 7 | 7 36 50 | 24°56'59 | 25°27 | 12°31 | 27°43 | 24° 8 | 12° 9 | 24°57 | 5°58 | 26°14 | 17°16 | 26°12 | 27°45 | 29°14 | 11°30 | W 7 |
| T 8 | 7 40 47 | 25°58'02 | 7♓32 | 13°52 | 28°58 | 24°55 | 12°17 | 24°56 | 5°58 | 26°14 | 17°16 | 26° 7 | 27°42 | 29°21 | 11°32 | T 8 |
| F 9 | 7 44 43 | 26°59'03 | 19°27 | 15° 9 | 0♉13 | 25°42 | 12°25 | 24°55 | 5°58 | 26°14 | 17°15 | 26° 5 | 27°39 | 29°27 | 11°35 | F 9 |
| S 10 | 7 48 40 | 28° 0'03 | 1♈15 | 16°21 | 1°27 | 26°29 | 12°33 | 24°54 | 5°57 | 26°15 | 17°15 | 26°D 5 | 27°36 | 29°34 | 11°38 | S 10 |
| S 11 | 7 52 36 | 29° 1'03 | 13° 2 | 17°27 | 2°42 | 27°16 | 12°41 | 24°53 | 5°57 | 26°15 | 17°15 | 26° 6 | 27°32 | 29°41 | 11°41 | S 11 |
| M12 | 7 56 33 | 0♒ 2'00 | 24°52 | 18°26 | 3°56 | 28° 3 | 12°50 | 24°53 | 5°56 | 26°16 | 17°15 | 26°R 7 | 27°29 | 29°47 | 11°44 | M12 |
| T 13 | 8 0 30 | 1° 2'57 | 6♉51 | 19°17 | 5°11 | 28°50 | 12°58 | 24°52 | 5°56 | 26°16 | 17°14 | 26° 7 | 27°26 | 29°54 | 11°47 | T 13 |
| W14 | 8 4 26 | 2° 3'52 | 19° 5 | 20° 1 | 6°25 | 29°37 | 13° 7 | 24°52 | 5°55 | 26°17 | 17°14 | 26° 5 | 27°23 | 0♈ 1 | 11°50 | W14 |
| T 15 | 8 8 23 | 3° 4'46 | 1♊38 | 20°35 | 7°40 | 0♓24 | 13°16 | 24°51 | 5°54 | 26°17 | 17°14 | 26° 1 | 27°20 | 0° 7 | 11°53 | T 15 |
| F 16 | 8 12 19 | 4° 5'39 | 14°34 | 20°59 | 8°54 | 1°11 | 13°25 | 24°51 | 5°54 | 26°18 | 17°14 | 25°55 | 27°16 | 0°14 | 11°56 | F 16 |
| S 17 | 8 16 16 | 5° 6'30 | 27°55 | 21°12 | 10° 9 | 1°58 | 13°34 | 24°51 | 5°53 | 26°18 | 17°14 | 25°47 | 27°13 | 0°20 | 11°59 | S 17 |
| S 18 | 8 20 12 | 6° 7'20 | 11♋42 | 21°R15 | 11°24 | 2°45 | 13°43 | 24°D51 | 5°52 | 26°19 | 17°14 | 25°39 | 27°10 | 0°27 | 12° 2 | S 18 |
| M19 | 8 24 9 | 7° 8'09 | 25°53 | 21° 7 | 12°38 | 3°32 | 13°53 | 24°51 | 5°51 | 26°20 | 17°13 | 25°31 | 27° 7 | 0°34 | 12° 6 | M19 |
| T 20 | 8 28 5 | 8° 8'56 | 10♌22 | 20°48 | 13°53 | 4°19 | 14° 2 | 24°51 | 5°50 | 26°21 | 17°13 | 25°23 | 27° 4 | 0°40 | 12° 9 | T 20 |
| W21 | 8 32 2 | 9° 9'42 | 25° 2 | 20°18 | 15° 7 | 5° 6 | 14°12 | 24°52 | 5°49 | 26°21 | 17°13 | 25°18 | 27° 1 | 0°47 | 12°12 | W21 |
| T 22 | 8 35 59 | 10°10'27 | 9♍47 | 19°38 | 16°22 | 5°53 | 14°21 | 24°52 | 5°48 | 26°22 | 17°13 | 25°15 | 26°57 | 0°54 | 12°15 | T 22 |
| F 23 | 8 39 55 | 11°11'11 | 24°30 | 18°49 | 17°37 | 6°39 | 14°31 | 24°53 | 5°47 | 26°23 | 17°D13 | 25°D14 | 26°54 | 1° 0 | 12°19 | F 23 |
| S 24 | 8 43 52 | 12°11'53 | 9♎ 4 | 17°53 | 18°51 | 7°26 | 14°41 | 24°53 | 5°46 | 26°24 | 17°13 | 25°14 | 26°51 | 1° 7 | 12°22 | S 24 |
| S 25 | 8 47 48 | 13°12'35 | 23°25 | 16°50 | 20° 6 | 8°13 | 14°51 | 24°54 | 5°45 | 26°25 | 17°13 | 25°16 | 26°48 | 1°14 | 12°25 | S 25 |
| M26 | 8 51 45 | 14°13'15 | 7♏32 | 15°43 | 21°20 | 9° 0 | 15° 2 | 24°55 | 5°43 | 26°26 | 17°13 | 25°17 | 26°45 | 1°20 | 12°29 | M26 |
| T 27 | 8 55 41 | 15°13'54 | 21°22 | 14°34 | 22°35 | 9°46 | 15°12 | 24°56 | 5°42 | 26°27 | 17°13 | 25°R17 | 26°42 | 1°27 | 12°32 | T 27 |
| W28 | 8 59 38 | 16°14'32 | 4♐58 | 13°24 | 23°50 | 10°33 | 15°23 | 24°57 | 5°41 | 26°28 | 17°14 | 25°15 | 26°38 | 1°34 | 12°36 | W28 |
| T 29 | 9 3 34 | 17°15'09 | 18°18 | 12°16 | 25° 4 | 11°20 | 15°33 | 24°58 | 5°39 | 26°29 | 17°14 | 25°12 | 26°35 | 1°40 | 12°39 | T 29 |
| F 30 | 9 7 31 | 18°15'45 | 1♑24 | 11°10 | 26°19 | 12° 6 | 15°44 | 25° 0 | 5°38 | 26°30 | 17°14 | 25° 7 | 26°32 | 1°47 | 12°42 | F 30 |
| S 31 | 9 11 28 | 19♒16'19 | 14♑17 | 10♒ 9 | 27♑33 | 12♓53 | 15♈55 | 25♉ 1 | 5♎36 | 26♈31 | 17♉14 | 25♍ 0 | 26♍29 | 1♈53 | 12♓46 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s11 | 17s 1 | 4n46 | 21s 6 | 1s41 | 22s15 | 0n54 | 16s 4 | 1s 5 | 3n22 | 1s16 | 17n10 | 2s 0 | 1s43 | 0n43 | 8n27 | 1s49 | 3n29 | 14s 7 | 1n 6 | 0n46 | 0s37 | 3s19 | 4n24 |
| F 2 | 22 3 | 18 14 | 5 1 | 20 37 | 1 34 | 22 23 | 0 52 | 15 49 | 1 4 | 3 25 | 1 15 | 17 9 | 2 0 | 1 43 | 0 43 | 8 27 | 1 49 | 3 30 | 14 6 | 1 10 | 0 47 | 0 35 | 3 18 | 4 24 |
| S 3 | 21 53 | 18 26 | 5 0 | 20 6 | 1 27 | 22 30 | 0 49 | 15 34 | 1 4 | 3 28 | 1 15 | 17 9 | 2 0 | 1 43 | 0 43 | 8 27 | 1 49 | 3 30 | 14 6 | 1 15 | 0 49 | 0 33 | 3 17 | 4 23 |
| S 4 | 21 44 | 17 39 | 4 43 | 19 35 | 1 19 | 22 37 | 0 46 | 15 18 | 1 4 | 3 31 | 1 15 | 17 9 | 1 59 | 1 43 | 0 43 | 8 27 | 1 49 | 3 30 | 14 6 | 1 20 | 0 50 | 0 31 | 3 16 | 4 23 |
| M 5 | 21 34 | 16 0 | 4 11 | 19 2 | 1 11 | 22 42 | 0 44 | 15 2 | 1 3 | 3 34 | 1 15 | 17 9 | 1 59 | 1 43 | 0 44 | 8 28 | 1 49 | 3 30 | 14 6 | 1 24 | 0 51 | 0 29 | 3 16 | 4 23 |
| T 6 | 21 23 | 13 36 | 3 28 | 18 29 | 1 1 | 22 47 | 0 41 | 14 46 | 1 3 | 3 38 | 1 14 | 17 9 | 1 59 | 1 43 | 0 44 | 8 28 | 1 49 | 3 30 | 14 5 | 1 28 | 0 53 | 0 28 | 3 15 | 4 23 |
| W 7 | 21 13 | 10 38 | 2 36 | 17 55 | 0 51 | 22 52 | 0 38 | 14 30 | 1 2 | 3 41 | 1 14 | 17 9 | 1 59 | 1 43 | 0 44 | 8 28 | 1 49 | 3 30 | 14 5 | 1 31 | 0 54 | 0 26 | 3 14 | 4 22 |
| T 8 | 21 1 | 7 16 | 1 38 | 17 21 | 0 39 | 22 56 | 0 35 | 14 14 | 1 2 | 3 44 | 1 14 | 17 9 | 1 58 | 1 43 | 0 44 | 8 28 | 1 49 | 3 31 | 14 5 | 1 33 | 0 55 | 0 24 | 3 13 | 4 22 |
| F 9 | 20 50 | 3 39 | 0 36 | 16 46 | 0 27 | 22 59 | 0 32 | 13 57 | 1 1 | 3 48 | 1 13 | 17 9 | 1 58 | 1 42 | 0 44 | 8 28 | 1 49 | 3 31 | 14 4 | 1 34 | 0 56 | 0 22 | 3 12 | 4 22 |
| S 10 | 20 38 | 0n 5 | 0s28 | 16 13 | 0 14 | 23 1 | 0 30 | 13 41 | 1 1 | 3 51 | 1 13 | 17 9 | 1 58 | 1 42 | 0 44 | 8 28 | 1 49 | 3 31 | 14 4 | 1 34 | 0 58 | 0 20 | 3 11 | 4 22 |
| S 11 | 20 25 | 3 47 | 1 30 | 15 39 | 0n 0 | 23 2 | 0 27 | 13 24 | 1 0 | 3 54 | 1 13 | 17 9 | 1 58 | 1 42 | 0 44 | 8 29 | 1 49 | 3 31 | 14 4 | 1 33 | 0 59 | 0 18 | 3 10 | 4 21 |
| M12 | 20 13 | 7 21 | 2 28 | 15 7 | 0 15 | 23 3 | 0 24 | 13 7 | 1 0 | 3 58 | 1 13 | 17 9 | 1 57 | 1 42 | 0 44 | 8 29 | 1 49 | 3 32 | 14 3 | 1 33 | 1 0 | 0 16 | 3 10 | 4 21 |
| T 13 | 19 59 | 10 41 | 3 21 | 14 36 | 0 30 | 23 4 | 0 21 | 12 50 | 0 59 | 4 2 | 1 12 | 17 9 | 1 57 | 1 42 | 0 44 | 8 29 | 1 49 | 3 32 | 14 3 | 1 33 | 1 1 | 0 15 | 3 9 | 4 21 |
| W14 | 19 46 | 13 36 | 4 6 | 14 7 | 0 47 | 23 3 | 0 19 | 12 34 | 0 59 | 4 5 | 1 12 | 17 9 | 1 57 | 1 41 | 0 44 | 8 29 | 1 49 | 3 32 | 14 3 | 1 34 | 1 3 | 0 13 | 3 8 | 4 21 |
| T 15 | 19 32 | 15 59 | 4 40 | 13 41 | 1 3 | 23 2 | 0 16 | 12 16 | 0 58 | 4 9 | 1 12 | 17 10 | 1 56 | 1 41 | 0 44 | 8 30 | 1 48 | 3 32 | 14 2 | 1 35 | 1 4 | 0 11 | 3 7 | 4 21 |
| F 16 | 19 18 | 17 38 | 5 1 | 13 17 | 1 21 | 23 0 | 0 13 | 11 59 | 0 58 | 4 13 | 1 12 | 17 10 | 1 56 | 1 41 | 0 44 | 8 30 | 1 48 | 3 33 | 14 2 | 1 38 | 1 5 | 0 9 | 3 6 | 4 20 |
| S 17 | 19 3 | 18 23 | 5 7 | 12 56 | 1 38 | 22 57 | 0 10 | 11 42 | 0 57 | 4 16 | 1 11 | 17 10 | 1 56 | 1 40 | 0 44 | 8 30 | 1 48 | 3 33 | 14 2 | 1 41 | 1 7 | 0 7 | 3 5 | 4 20 |
| S 18 | 18 48 | 18 6 | 4 56 | 12 38 | 1 55 | 22 54 | 0 7 | 11 24 | 0 57 | 4 20 | 1 11 | 17 10 | 1 56 | 1 40 | 0 44 | 8 30 | 1 48 | 3 33 | 14 1 | 1 44 | 1 8 | 0 5 | 3 4 | 4 20 |
| M19 | 18 33 | 16 41 | 4 26 | 12 25 | 2 12 | 22 50 | 0 5 | 11 7 | 0 56 | 4 24 | 1 11 | 17 11 | 1 55 | 1 39 | 0 44 | 8 31 | 1 48 | 3 33 | 14 1 | 1 47 | 1 9 | 0 4 | 3 3 | 4 20 |
| T 20 | 18 17 | 14 12 | 3 38 | 12 15 | 2 29 | 22 45 | 0 2 | 10 49 | 0 56 | 4 28 | 1 11 | 17 11 | 1 55 | 1 39 | 0 44 | 8 31 | 1 48 | 3 34 | 14 1 | 1 50 | 1 10 | 0 2 | 3 2 | 4 20 |
| W21 | 18 1 | 10 46 | 2 36 | 12 10 | 2 44 | 22 40 | 0s 1 | 10 32 | 0 55 | 4 32 | 1 10 | 17 11 | 1 55 | 1 39 | 0 44 | 8 31 | 1 48 | 3 34 | 14 1 | 1 52 | 1 12 | 0n 0 | 3 1 | 4 19 |
| T 22 | 17 45 | 6 39 | 1 23 | 12 9 | 2 59 | 22 34 | 0 3 | 10 14 | 0 55 | 4 36 | 1 10 | 17 12 | 1 54 | 1 38 | 0 44 | 8 32 | 1 48 | 3 34 | 14 0 | 1 54 | 1 13 | 0 2 | 2 59 | 4 19 |
| F 23 | 17 29 | 2 8 | 0 4 | 12 12 | 3 11 | 22 27 | 0 6 | 9 56 | 0 54 | 4 40 | 1 10 | 17 12 | 1 54 | 1 38 | 0 44 | 8 32 | 1 48 | 3 35 | 14 0 | 1 54 | 1 14 | 0 4 | 2 58 | 4 19 |
| S 24 | 17 12 | 2s28 | 1n14 | 12 19 | 3 22 | 22 20 | 0 9 | 9 38 | 0 53 | 4 44 | 1 10 | 17 12 | 1 54 | 1 37 | 0 44 | 8 32 | 1 48 | 3 35 | 14 0 | 1 54 | 1 15 | 0 6 | 2 57 | 4 19 |
| S 25 | 16 54 | 6 51 | 2 27 | 12 29 | 3 31 | 22 12 | 0 11 | 9 20 | 0 53 | 4 48 | 1 10 | 17 13 | 1 54 | 1 37 | 0 44 | 8 33 | 1 48 | 3 35 | 13 59 | 1 53 | 1 17 | 0 7 | 2 56 | 4 19 |
| M26 | 16 37 | 10 46 | 3 30 | 12 42 | 3 38 | 22 3 | 0 14 | 9 2 | 0 52 | 4 52 | 1 9 | 17 13 | 1 53 | 1 36 | 0 44 | 8 33 | 1 48 | 3 36 | 13 59 | 1 53 | 1 18 | 0 9 | 2 55 | 4 19 |
| T 27 | 16 19 | 14 0 | 4 18 | 12 58 | 3 42 | 21 54 | 0 17 | 8 44 | 0 52 | 4 57 | 1 9 | 17 14 | 1 53 | 1 36 | 0 44 | 8 34 | 1 48 | 3 36 | 13 59 | 1 53 | 1 19 | 0 11 | 2 54 | 4 18 |
| W28 | 16 1 | 16 24 | 4 52 | 13 16 | 3 44 | 21 43 | 0 19 | 8 25 | 0 51 | 5 1 | 1 9 | 17 14 | 1 53 | 1 35 | 0 44 | 8 34 | 1 48 | 3 36 | 13 58 | 1 54 | 1 20 | 0 13 | 2 53 | 4 18 |
| T 29 | 15 43 | 17 52 | 5 9 | 13 35 | 3 44 | 21 33 | 0 22 | 8 7 | 0 51 | 5 5 | 1 9 | 17 15 | 1 53 | 1 35 | 0 44 | 8 34 | 1 48 | 3 37 | 13 58 | 1 55 | 1 22 | 0 15 | 2 52 | 4 18 |
| F 30 | 15 24 | 18 21 | 5 9 | 13 56 | 3 41 | 21 21 | 0 24 | 7 49 | 0 50 | 5 9 | 1 8 | 17 16 | 1 52 | 1 34 | 0 44 | 8 35 | 1 48 | 3 37 | 13 58 | 1 57 | 1 23 | 0 17 | 2 50 | 4 18 |
| S 31 | 15s 5 | 17s53 | 4n54 | 14s17 | 3n37 | 21s 9 | 0s27 | 7s30 | 0s49 | 5n14 | 1s 8 | 17n16 | 1s52 | 1s33 | 0n44 | 8n35 | 1s48 | 3n37 | 13s57 | 1n59 | 1n24 | 0n19 | 2s49 | 4n18 |

Julian Day Number = 2226198.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'00, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'01, Lahiri = 15°15'02 Julian Calendar 1 Jan. 1383 == Greg. Calendar 9 Jan. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## FEBRUARY 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 15 24 | 20♒16'52 | 26♉58 | 9°R13 | 28♉48 | 13♓40 | 16♈ 5 | 25♉ 3 | 5°R35 | 26♈32 | 17♉14 | 24°R54 | 26♍26 | 2♈ 0 | 12♓49 | S 1 |
| M 2 | 9 19 21 | 21°17'24 | 9♒26 | 8♒24 | 0♒ 3 | 14°26 | 16°16 | 25° 4 | 5♎33 | 26°33 | 17°14 | 24♍48 | 26°22 | 2° 7 | 12°53 | M 2 |
| T 3 | 9 23 17 | 22°17'53 | 21°43 | 7°41 | 1°17 | 15°13 | 16°28 | 25° 6 | 5°32 | 26°34 | 17°15 | 24°43 | 26°19 | 2°13 | 12°56 | T 3 |
| W 4 | 9 27 14 | 23°18'21 | 3♓50 | 7° 6 | 2°32 | 15°59 | 16°39 | 25° 8 | 5°30 | 26°35 | 17°15 | 24°39 | 26°16 | 2°20 | 13° 0 | W 4 |
| T 5 | 9 31 10 | 24°18'48 | 15°48 | 6°38 | 3°47 | 16°46 | 16°50 | 25°10 | 5°28 | 26°37 | 17°15 | 24°37 | 26°13 | 2°27 | 13° 4 | T 5 |
| F 6 | 9 35 7 | 25°19'12 | 27°39 | 6°18 | 5° 1 | 17°32 | 17° 1 | 25°12 | 5°27 | 26°38 | 17°15 | 24°D37 | 26°10 | 2°33 | 13° 7 | F 6 |
| S 7 | 9 39 3 | 26°19'35 | 9♈26 | 6° 5 | 6°16 | 18°19 | 17°13 | 25°14 | 5°25 | 26°39 | 17°16 | 24°38 | 26° 7 | 2°40 | 13°11 | S 7 |
| S 8 | 9 43 0 | 27°19'56 | 21°13 | 6°D 0 | 7°30 | 19° 5 | 17°25 | 25°17 | 5°23 | 26°41 | 17°16 | 24°40 | 26° 3 | 2°47 | 13°14 | S 8 |
| M 9 | 9 46 57 | 28°20'15 | 3♉ 3 | 6° 1 | 8°45 | 19°51 | 17°36 | 25°19 | 5°21 | 26°42 | 17°16 | 24°41 | 26° 0 | 2°53 | 13°18 | M 9 |
| T 10 | 9 50 53 | 29°20'32 | 15° 1 | 6° 8 | 10° 0 | 20°38 | 17°48 | 25°22 | 5°19 | 26°43 | 17°17 | 24°43 | 25°57 | 3° 0 | 13°22 | T 10 |
| W11 | 9 54 50 | 0♓20'47 | 27°13 | 6°22 | 11°14 | 21°24 | 18° 0 | 25°24 | 5°17 | 26°45 | 17°17 | 24°R44 | 25°54 | 3° 7 | 13°25 | W11 |
| T 12 | 9 58 46 | 1°21'00 | 9♊42 | 6°41 | 12°29 | 22°10 | 18°12 | 25°27 | 5°15 | 26°46 | 17°18 | 24°44 | 25°51 | 3°13 | 13°29 | T 12 |
| F 13 | 10 2 43 | 2°21'10 | 22°33 | 7° 5 | 13°43 | 22°56 | 18°24 | 25°30 | 5°13 | 26°48 | 17°18 | 24°42 | 25°47 | 3°20 | 13°33 | F 13 |
| S 14 | 10 6 39 | 3°21'19 | 5♋50 | 7°35 | 14°58 | 23°42 | 18°36 | 25°33 | 5°11 | 26°49 | 17°19 | 24°40 | 25°44 | 3°27 | 13°36 | S 14 |
| S 15 | 10 10 36 | 4°21'26 | 19°35 | 8° 9 | 16°12 | 24°29 | 18°48 | 25°36 | 5° 9 | 26°51 | 17°19 | 24°37 | 25°41 | 3°33 | 13°40 | S 15 |
| M16 | 10 14 32 | 5°21'30 | 3♌46 | 8°48 | 17°27 | 25°15 | 19° 0 | 25°39 | 5° 7 | 26°52 | 17°20 | 24°34 | 25°38 | 3°40 | 13°44 | M16 |
| T 17 | 10 18 29 | 6°21'32 | 18°22 | 9°30 | 18°41 | 26° 1 | 19°13 | 25°42 | 5° 5 | 26°54 | 17°20 | 24°32 | 25°35 | 3°46 | 13°47 | T 17 |
| W18 | 10 22 26 | 7°21'33 | 3♍16 | 10°16 | 19°56 | 26°47 | 19°25 | 25°46 | 5° 3 | 26°55 | 17°21 | 24°30 | 25°32 | 3°53 | 13°51 | W18 |
| T 19 | 10 26 22 | 8°21'31 | 18°20 | 11° 6 | 21°10 | 27°33 | 19°38 | 25°49 | 5° 1 | 26°57 | 17°21 | 24°D30 | 25°28 | 4° 0 | 13°55 | T 19 |
| F 20 | 10 30 19 | 9°21'27 | 3♎25 | 11°59 | 22°25 | 28°18 | 19°50 | 25°53 | 4°58 | 26°59 | 17°22 | 24°30 | 25°25 | 4° 6 | 13°58 | F 20 |
| S 21 | 10 34 15 | 10°21'22 | 18°23 | 12°55 | 23°39 | 29° 4 | 20° 3 | 25°56 | 4°56 | 27° 0 | 17°22 | 24°30 | 25°22 | 4°13 | 14° 2 | S 21 |
| S 22 | 10 38 12 | 11°21'15 | 3♏ 6 | 13°54 | 24°54 | 29°50 | 20°15 | 26° 0 | 4°54 | 27° 2 | 17°23 | 24°31 | 25°19 | 4°20 | 14° 6 | S 22 |
| M23 | 10 42 8 | 12°21'06 | 17°30 | 14°55 | 26° 8 | 0♈36 | 20°28 | 26° 4 | 4°52 | 27° 4 | 17°24 | 24°32 | 25°16 | 4°26 | 14°10 | M23 |
| T 24 | 10 46 5 | 13°20'56 | 1♐31 | 16° 0 | 27°23 | 1°22 | 20°41 | 26° 8 | 4°49 | 27° 5 | 17°24 | 24°33 | 25°13 | 4°33 | 14°13 | T 24 |
| W25 | 10 50 1 | 14°20'44 | 15° 9 | 17° 6 | 28°37 | 2° 7 | 20°54 | 26°12 | 4°47 | 27° 7 | 17°25 | 24°R33 | 25° 9 | 4°40 | 14°17 | W25 |
| T 26 | 10 53 58 | 15°20'30 | 28°25 | 18°15 | 29°52 | 2°53 | 21° 7 | 26°16 | 4°44 | 27° 9 | 17°26 | 24°33 | 25° 6 | 4°46 | 14°21 | T 26 |
| F 27 | 10 57 54 | 16°20'15 | 11♑21 | 19°25 | 1♓ 6 | 3°39 | 21°20 | 26°20 | 4°42 | 27°11 | 17°26 | 24°32 | 25° 3 | 4°53 | 14°24 | F 27 |
| S 28 | 11 1 51 | 17♓19'57 | 24♑ 0 | 20♒38 | 2♓21 | 4♈24 | 21♈33 | 26♉24 | 4♎40 | 27♈12 | 17♉27 | 24♍32 | 25♍ 0 | 5♈ 0 | 14♓28 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s46 | 16s31 | 4n24 | 14s38 | 3n30 | 20s57 | 0s29 | 7s12 | 0s49 | 5n18 | 1s 8 | 17n17 | 1s52 | 1s33 | 0n44 | 8n36 | 1s47 | 3n38 | 13s57 | 2n 2 | 1n25 | 0n20 | 2s48 | 4n18 |
| M 2 | 14 27 | 14 23 | 3 42 | 14 58 | 3 22 | 20 43 | 0 32 | 6 53 | 0 48 | 5 23 | 1 8 | 17 18 | 1 51 | 1 32 | 0 44 | 8 36 | 1 47 | 3 38 | 13 57 | 2 4 | 1 27 | 0 22 | 2 47 | 4 17 |
| T 3 | 14 7 | 11 37 | 2 50 | 15 18 | 3 13 | 20 29 | 0 34 | 6 35 | 0 48 | 5 27 | 1 8 | 17 18 | 1 51 | 1 31 | 0 44 | 8 37 | 1 47 | 3 38 | 13 56 | 2 6 | 1 28 | 0 24 | 2 46 | 4 17 |
| W 4 | 13 48 | 8 24 | 1 52 | 15 37 | 3 2 | 20 15 | 0 36 | 6 16 | 0 47 | 5 32 | 1 7 | 17 19 | 1 51 | 1 31 | 0 44 | 8 37 | 1 47 | 3 39 | 13 56 | 2 8 | 1 29 | 0 26 | 2 44 | 4 17 |
| T 5 | 13 28 | 4 53 | 0 48 | 15 55 | 2 51 | 20 0 | 0 39 | 5 57 | 0 47 | 5 36 | 1 7 | 17 20 | 1 51 | 1 30 | 0 45 | 8 38 | 1 47 | 3 39 | 13 56 | 2 9 | 1 31 | 0 28 | 2 43 | 4 17 |
| F 6 | 13 7 | 1 12 | 0s17 | 16 12 | 2 38 | 19 44 | 0 41 | 5 39 | 0 46 | 5 41 | 1 7 | 17 21 | 1 50 | 1 29 | 0 45 | 8 38 | 1 47 | 3 39 | 13 55 | 2 9 | 1 32 | 0 30 | 2 42 | 4 17 |
| S 7 | 12 47 | 2n31 | 1 21 | 16 27 | 2 26 | 19 28 | 0 43 | 5 20 | 0 45 | 5 45 | 1 7 | 17 21 | 1 50 | 1 29 | 0 45 | 8 39 | 1 47 | 3 40 | 13 55 | 2 8 | 1 33 | 0 31 | 2 41 | 4 17 |
| S 8 | 12 26 | 6 7 | 2 21 | 16 41 | 2 13 | 19 11 | 0 45 | 5 1 | 0 45 | 5 50 | 1 7 | 17 22 | 1 50 | 1 28 | 0 45 | 8 39 | 1 47 | 3 40 | 13 55 | 2 8 | 1 34 | 0 33 | 2 39 | 4 17 |
| M 9 | 12 5 | 9 30 | 3 16 | 16 54 | 2 0 | 18 54 | 0 48 | 4 42 | 0 44 | 5 54 | 1 6 | 17 23 | 1 49 | 1 27 | 0 45 | 8 40 | 1 47 | 3 41 | 13 54 | 2 7 | 1 36 | 0 35 | 2 38 | 4 17 |
| T 10 | 11 44 | 12 31 | 4 3 | 17 5 | 1 47 | 18 36 | 0 50 | 4 24 | 0 44 | 5 59 | 1 6 | 17 24 | 1 49 | 1 26 | 0 45 | 8 40 | 1 47 | 3 41 | 13 54 | 2 6 | 1 37 | 0 37 | 2 37 | 4 16 |
| W11 | 11 23 | 15 3 | 4 40 | 17 14 | 1 34 | 18 17 | 0 52 | 4 5 | 0 43 | 6 4 | 1 6 | 17 25 | 1 49 | 1 25 | 0 45 | 8 41 | 1 47 | 3 41 | 13 54 | 2 6 | 1 38 | 0 39 | 2 36 | 4 16 |
| T 12 | 11 2 | 16 57 | 5 5 | 17 22 | 1 21 | 17 58 | 0 54 | 3 46 | 0 42 | 6 9 | 1 6 | 17 26 | 1 49 | 1 25 | 0 45 | 8 42 | 1 47 | 3 42 | 13 54 | 2 6 | 1 39 | 0 41 | 2 34 | 4 16 |
| F 13 | 10 40 | 18 3 | 5 15 | 17 28 | 1 8 | 17 39 | 0 56 | 3 27 | 0 42 | 6 13 | 1 6 | 17 27 | 1 48 | 1 24 | 0 45 | 8 42 | 1 47 | 3 42 | 13 53 | 2 7 | 1 41 | 0 42 | 2 33 | 4 16 |
| S 14 | 10 19 | 18 14 | 5 10 | 17 33 | 0 55 | 17 19 | 0 58 | 3 8 | 0 41 | 6 18 | 1 6 | 17 28 | 1 48 | 1 23 | 0 45 | 8 43 | 1 47 | 3 43 | 13 53 | 2 8 | 1 42 | 0 44 | 2 32 | 4 16 |
| S 15 | 9 57 | 17 21 | 4 46 | 17 36 | 0 43 | 16 59 | 0 59 | 2 49 | 0 41 | 6 23 | 1 5 | 17 29 | 1 48 | 1 22 | 0 45 | 8 43 | 1 47 | 3 43 | 13 53 | 2 9 | 1 43 | 0 46 | 2 30 | 4 16 |
| M16 | 9 35 | 15 24 | 4 5 | 17 37 | 0 31 | 16 38 | 1 1 | 2 30 | 0 40 | 6 28 | 1 5 | 17 30 | 1 48 | 1 21 | 0 45 | 8 44 | 1 47 | 3 44 | 13 52 | 2 10 | 1 44 | 0 48 | 2 29 | 4 16 |
| T 17 | 9 12 | 12 25 | 3 7 | 17 37 | 0 19 | 16 16 | 1 3 | 2 11 | 0 39 | 6 32 | 1 5 | 17 31 | 1 47 | 1 20 | 0 45 | 8 44 | 1 47 | 3 44 | 13 52 | 2 11 | 1 46 | 0 50 | 2 28 | 4 16 |
| W18 | 8 50 | 8 33 | 1 55 | 17 36 | 0 8 | 15 54 | 1 5 | 1 53 | 0 39 | 6 37 | 1 5 | 17 32 | 1 47 | 1 20 | 0 45 | 8 45 | 1 47 | 3 44 | 13 52 | 2 11 | 1 47 | 0 52 | 2 26 | 4 16 |
| T 19 | 8 28 | 4 6 | 0 34 | 17 33 | 0s 3 | 15 32 | 1 6 | 1 34 | 0 38 | 6 42 | 1 5 | 17 33 | 1 47 | 1 19 | 0 45 | 8 46 | 1 47 | 3 45 | 13 51 | 2 12 | 1 48 | 0 54 | 2 25 | 4 16 |
| F 20 | 8 5 | 0s37 | 0n49 | 17 29 | 0 14 | 15 9 | 1 8 | 1 15 | 0 37 | 6 47 | 1 5 | 17 34 | 1 47 | 1 18 | 0 45 | 8 46 | 1 47 | 3 45 | 13 51 | 2 12 | 1 50 | 0 55 | 2 24 | 4 15 |
| S 21 | 7 43 | 5 15 | 2 9 | 17 23 | 0 24 | 14 46 | 1 9 | 0 56 | 0 37 | 6 52 | 1 4 | 17 35 | 1 46 | 1 17 | 0 45 | 8 47 | 1 46 | 3 46 | 13 51 | 2 11 | 1 51 | 0 57 | 2 22 | 4 15 |
| S 22 | 7 20 | 9 29 | 3 18 | 17 15 | 0 34 | 14 23 | 1 11 | 0 37 | 0 36 | 6 57 | 1 4 | 17 36 | 1 46 | 1 16 | 0 45 | 8 48 | 1 46 | 3 46 | 13 51 | 2 11 | 1 52 | 0 59 | 2 21 | 4 15 |
| M23 | 6 57 | 13 3 | 4 14 | 17 6 | 0 43 | 13 59 | 1 12 | 0 18 | 0 36 | 7 2 | 1 4 | 17 37 | 1 46 | 1 15 | 0 45 | 8 48 | 1 46 | 3 47 | 13 50 | 2 11 | 1 53 | 1 1 | 2 20 | 4 15 |
| T 24 | 6 34 | 15 45 | 4 52 | 16 56 | 0 52 | 13 34 | 1 14 | 0n 1 | 0 35 | 7 7 | 1 4 | 17 38 | 1 46 | 1 14 | 0 45 | 8 49 | 1 46 | 3 47 | 13 50 | 2 10 | 1 55 | 1 3 | 2 18 | 4 15 |
| W25 | 6 11 | 17 30 | 5 13 | 16 44 | 1 1 | 13 10 | 1 15 | 0 19 | 0 34 | 7 12 | 1 4 | 17 39 | 1 45 | 1 13 | 0 45 | 8 50 | 1 46 | 3 48 | 13 50 | 2 10 | 1 56 | 1 5 | 2 17 | 4 15 |
| T 26 | 5 48 | 18 14 | 5 17 | 16 30 | 1 9 | 12 45 | 1 16 | 0 38 | 0 34 | 7 17 | 1 4 | 17 41 | 1 45 | 1 12 | 0 45 | 8 50 | 1 46 | 3 48 | 13 49 | 2 10 | 1 57 | 1 6 | 2 15 | 4 15 |
| F 27 | 5 24 | 17 59 | 5 4 | 16 16 | 1 17 | 12 19 | 1 17 | 0 57 | 0 33 | 7 22 | 1 3 | 17 42 | 1 45 | 1 11 | 0 45 | 8 51 | 1 46 | 3 48 | 13 49 | 2 11 | 1 58 | 1 8 | 2 14 | 4 15 |
| S 28 | 5s 1 | 16s50 | 4n37 | 15s59 | 1s24 | 11s54 | 1s18 | 1n16 | 0s32 | 7n27 | 1s 3 | 17n43 | 1s45 | 1s10 | 0n45 | 8n52 | 1s46 | 3n49 | 13s49 | 2n11 | 2n 0 | 1n10 | 2s13 | 4n15 |

Julian Day Number = 2226229.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'05, Lahiri = 15°15'06 Julian Calendar 1 Feb. 1383 == Greg. Calendar 9 Feb. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## MARCH 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 5 48 | 18♓19'38 | 6♒25 | 21♒53 | 3♓35 | 5♈10 | 21♈46 | 26♉29 | 4°R37 | 27♈14 | 17♉28 | 24°R31 | 24♍57 | 5♈ 6 | 14♓32 | S 1 |
| M 2 | 11 9 44 | 19°19'17 | 18°37 | 23° 9 | 4°50 | 5°55 | 21°59 | 26°33 | 4♎35 | 27°16 | 17°29 | 24♍30 | 24°53 | 5°13 | 14°36 | M 2 |
| T 3 | 11 13 41 | 20°18'54 | 0♓40 | 24°28 | 6° 4 | 6°41 | 22°12 | 26°38 | 4°32 | 27°18 | 17°30 | 24°29 | 24°50 | 5°19 | 14°39 | T 3 |
| W 4 | 11 17 37 | 21°18'29 | 12°36 | 25°48 | 7°19 | 7°26 | 22°26 | 26°42 | 4°30 | 27°20 | 17°30 | 24°29 | 24°47 | 5°26 | 14°43 | W 4 |
| T 5 | 11 21 34 | 22°18'02 | 24°27 | 27°10 | 8°33 | 8°12 | 22°39 | 26°47 | 4°27 | 27°22 | 17°31 | 24°D29 | 24°44 | 5°33 | 14°47 | T 5 |
| F 6 | 11 25 30 | 23°17'33 | 6♈15 | 28°33 | 9°48 | 8°57 | 22°52 | 26°52 | 4°25 | 27°24 | 17°32 | 24°29 | 24°41 | 5°39 | 14°50 | F 6 |
| S 7 | 11 29 27 | 24°17'02 | 18° 2 | 29°58 | 11° 2 | 9°42 | 23° 6 | 26°57 | 4°22 | 27°26 | 17°33 | 24°R29 | 24°38 | 5°46 | 14°54 | S 7 |
| S 8 | 11 33 23 | 25°16'29 | 29°51 | 1♓24 | 12°16 | 10°27 | 23°19 | 27° 2 | 4°20 | 27°28 | 17°34 | 24°29 | 24°34 | 5°53 | 14°58 | S 8 |
| M 9 | 11 37 20 | 26°15'54 | 11♉44 | 2°52 | 13°31 | 11°13 | 23°33 | 27° 7 | 4°17 | 27°30 | 17°35 | 24°29 | 24°31 | 5°59 | 15° 1 | M 9 |
| T 10 | 11 41 17 | 27°15'16 | 23°46 | 4°22 | 14°45 | 11°58 | 23°46 | 27°12 | 4°15 | 27°32 | 17°36 | 24°29 | 24°28 | 6° 6 | 15° 5 | T 10 |
| W11 | 11 45 13 | 28°14'36 | 5♊59 | 5°53 | 15°59 | 12°43 | 24° 0 | 27°17 | 4°12 | 27°34 | 17°36 | 24°28 | 24°25 | 6°13 | 15° 9 | W11 |
| T 12 | 11 49 10 | 29°13'54 | 18°26 | 7°25 | 17°14 | 13°28 | 24°14 | 27°23 | 4° 9 | 27°36 | 17°37 | 24°28 | 24°22 | 6°19 | 15°12 | T 12 |
| F 13 | 11 53 6 | 0♈13'09 | 1♋13 | 8°59 | 18°28 | 14°13 | 24°27 | 27°28 | 4° 7 | 27°38 | 17°38 | 24°D28 | 24°18 | 6°26 | 15°16 | F 13 |
| S 14 | 11 57 3 | 1°12'22 | 14°23 | 10°34 | 19°42 | 14°58 | 24°41 | 27°33 | 4° 4 | 27°40 | 17°39 | 24°28 | 24°15 | 6°33 | 15°20 | S 14 |
| S 15 | 12 0 59 | 2°11'33 | 27°58 | 12°10 | 20°57 | 15°43 | 24°55 | 27°39 | 4° 2 | 27°42 | 17°40 | 24°28 | 24°12 | 6°39 | 15°23 | S 15 |
| M16 | 12 4 56 | 3°10'41 | 11♌59 | 13°48 | 22°11 | 16°27 | 25° 9 | 27°44 | 3°59 | 27°44 | 17°41 | 24°29 | 24° 9 | 6°46 | 15°27 | M16 |
| T 17 | 12 8 52 | 4° 9'47 | 26°27 | 15°28 | 23°25 | 17°12 | 25°23 | 27°50 | 3°56 | 27°46 | 17°42 | 24°30 | 24° 6 | 6°53 | 15°30 | T 17 |
| W18 | 12 12 49 | 5° 8'51 | 11♍16 | 17° 9 | 24°40 | 17°57 | 25°36 | 27°56 | 3°54 | 27°48 | 17°43 | 24°31 | 24° 3 | 6°59 | 15°34 | W18 |
| T 19 | 12 16 45 | 6° 7'52 | 26°22 | 18°51 | 25°54 | 18°42 | 25°50 | 28° 2 | 3°51 | 27°50 | 17°44 | 24°R31 | 23°59 | 7° 6 | 15°38 | T 19 |
| F 20 | 12 20 42 | 7° 6'51 | 11♎36 | 20°35 | 27° 8 | 19°26 | 26° 4 | 28° 7 | 3°49 | 27°52 | 17°45 | 24°30 | 23°56 | 7°12 | 15°41 | F 20 |
| S 21 | 12 24 39 | 8° 5'49 | 26°48 | 22°20 | 28°22 | 20°11 | 26°18 | 28°13 | 3°46 | 27°55 | 17°47 | 24°29 | 23°53 | 7°19 | 15°45 | S 21 |
| S 22 | 12 28 35 | 9° 4'44 | 11♏48 | 24° 7 | 29°37 | 20°55 | 26°32 | 28°19 | 3°44 | 27°57 | 17°48 | 24°28 | 23°50 | 7°26 | 15°48 | S 22 |
| M23 | 12 32 32 | 10° 3'37 | 26°29 | 25°55 | 0♈51 | 21°40 | 26°46 | 28°25 | 3°41 | 27°59 | 17°49 | 24°26 | 23°47 | 7°32 | 15°52 | M23 |
| T 24 | 12 36 28 | 11° 2'29 | 10♐44 | 27°45 | 2° 5 | 22°24 | 27° 0 | 28°32 | 3°38 | 28° 1 | 17°50 | 24°24 | 23°44 | 7°39 | 15°55 | T 24 |
| W25 | 12 40 25 | 12° 1'19 | 24°33 | 29°36 | 3°19 | 23° 9 | 27°14 | 28°38 | 3°36 | 28° 3 | 17°51 | 24°22 | 23°40 | 7°46 | 15°58 | W25 |
| T 26 | 12 44 21 | 13° 0'08 | 7♑54 | 1♈29 | 4°34 | 23°53 | 27°29 | 28°44 | 3°33 | 28° 5 | 17°52 | 24°D22 | 23°37 | 7°52 | 16° 2 | T 26 |
| F 27 | 12 48 18 | 13°58'54 | 20°50 | 3°23 | 5°48 | 24°37 | 27°43 | 28°50 | 3°31 | 28° 8 | 17°53 | 24°22 | 23°34 | 7°59 | 16° 5 | F 27 |
| S 28 | 12 52 14 | 14°57'39 | 3♒25 | 5°19 | 7° 2 | 25°22 | 27°57 | 28°57 | 3°28 | 28°10 | 17°54 | 24°23 | 23°31 | 8° 6 | 16° 9 | S 28 |
| S 29 | 12 56 11 | 15°56'22 | 15°42 | 7°16 | 8°16 | 26° 6 | 28°11 | 29° 3 | 3°26 | 28°12 | 17°56 | 24°24 | 23°28 | 8°12 | 16°12 | S 29 |
| M30 | 13 0 8 | 16°55'03 | 27°45 | 9°14 | 9°30 | 26°50 | 28°25 | 29° 9 | 3°23 | 28°14 | 17°57 | 24°26 | 23°24 | 8°19 | 16°15 | M30 |
| T 31 | 13 4 4 | 17♈53'43 | 9♓40 | 11♈15 | 10♈44 | 27♈34 | 28♈39 | 29♉16 | 3♎21 | 28♈16 | 17♉58 | 24♍27 | 23♍21 | 8♈26 | 16♓19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s38 | 14s54 | 3n57 | 15s42 | 1s31 | 11s27 | 1s20 | 1n34 | 0s32 | 7n32 | 1s 3 | 17n44 | 1s44 | 1s 9 | 0n45 | 8n52 | 1s46 | 3n49 | 13s49 | 2n11 | 2n 1 | 1n12 | 2s11 | 4n15 |
| M 2 | 4 14 | 12 20 | 3 7 | 15 23 | 1 38 | 11 1 | 1 21 | 1 53 | 0 31 | 7 37 | 1 3 | 17 46 | 1 44 | 1 8 | 0 45 | 8 53 | 1 46 | 3 50 | 13 48 | 2 12 | 2 2 | 1 14 | 2 10 | 4 15 |
| T 3 | 3 51 | 9 16 | 2 9 | 15 2 | 1 44 | 10 34 | 1 21 | 2 12 | 0 30 | 7 42 | 1 3 | 17 47 | 1 44 | 1 7 | 0 45 | 8 54 | 1 46 | 3 50 | 13 48 | 2 12 | 2 3 | 1 16 | 2 9 | 4 15 |
| W 4 | 3 27 | 5 51 | 1 6 | 14 41 | 1 49 | 10 8 | 1 22 | 2 30 | 0 30 | 7 47 | 1 3 | 17 48 | 1 44 | 1 6 | 0 45 | 8 54 | 1 46 | 3 51 | 13 48 | 2 12 | 2 5 | 1 17 | 2 7 | 4 15 |
| T 5 | 3 4 | 2 13 | 0 0 | 14 17 | 1 55 | 9 40 | 1 23 | 2 49 | 0 29 | 7 52 | 1 3 | 17 49 | 1 43 | 1 5 | 0 45 | 8 55 | 1 46 | 3 51 | 13 47 | 2 12 | 2 6 | 1 19 | 2 6 | 4 15 |
| F 6 | 2 40 | 1n30 | 1s 5 | 13 53 | 1 59 | 9 13 | 1 24 | 3 7 | 0 29 | 7 57 | 1 3 | 17 51 | 1 43 | 1 4 | 0 45 | 8 56 | 1 46 | 3 52 | 13 47 | 2 12 | 2 7 | 1 21 | 2 4 | 4 15 |
| S 7 | 2 17 | 5 8 | 2 7 | 13 27 | 2 4 | 8 45 | 1 25 | 3 26 | 0 28 | 8 2 | 1 2 | 17 52 | 1 43 | 1 3 | 0 45 | 8 57 | 1 46 | 3 52 | 13 47 | 2 12 | 2 8 | 1 23 | 2 3 | 4 15 |
| S 8 | 1 53 | 8 35 | 3 4 | 13 0 | 2 7 | 8 17 | 1 25 | 3 44 | 0 27 | 8 8 | 1 2 | 17 54 | 1 43 | 1 2 | 0 45 | 8 57 | 1 46 | 3 53 | 13 47 | 2 12 | 2 10 | 1 25 | 2 2 | 4 15 |
| M 9 | 1 29 | 11 42 | 3 54 | 12 31 | 2 11 | 7 49 | 1 26 | 4 2 | 0 27 | 8 13 | 1 2 | 17 55 | 1 42 | 1 1 | 0 45 | 8 58 | 1 46 | 3 53 | 13 46 | 2 12 | 2 11 | 1 27 | 2 0 | 4 15 |
| T 10 | 1 6 | 14 21 | 4 34 | 12 1 | 2 14 | 7 21 | 1 26 | 4 21 | 0 26 | 8 18 | 1 2 | 17 56 | 1 42 | 1 0 | 0 45 | 8 59 | 1 46 | 3 54 | 13 46 | 2 12 | 2 12 | 1 29 | 1 59 | 4 15 |
| W11 | 0 42 | 16 25 | 5 2 | 11 30 | 2 16 | 6 52 | 1 27 | 4 39 | 0 25 | 8 23 | 1 2 | 17 58 | 1 42 | 0 59 | 0 45 | 9 0 | 1 46 | 3 54 | 13 46 | 2 12 | 2 14 | 1 30 | 1 57 | 4 15 |
| T 12 | 0 18 | 17 46 | 5 16 | 10 57 | 2 18 | 6 24 | 1 27 | 4 57 | 0 25 | 8 28 | 1 2 | 17 59 | 1 42 | 0 58 | 0 45 | 9 0 | 1 46 | 3 55 | 13 46 | 2 12 | 2 15 | 1 32 | 1 56 | 4 15 |
| F 13 | 0n 5 | 18 15 | 5 16 | 10 23 | 2 20 | 5 55 | 1 27 | 5 15 | 0 24 | 8 33 | 1 2 | 18 1 | 1 42 | 0 57 | 0 45 | 9 1 | 1 46 | 3 55 | 13 45 | 2 12 | 2 16 | 1 34 | 1 55 | 4 15 |
| S 14 | 0 29 | 17 47 | 4 59 | 9 48 | 2 21 | 5 26 | 1 27 | 5 33 | 0 23 | 8 38 | 1 2 | 18 2 | 1 41 | 0 56 | 0 45 | 9 2 | 1 46 | 3 56 | 13 45 | 2 12 | 2 17 | 1 36 | 1 53 | 4 15 |
| S 15 | 0 52 | 16 18 | 4 25 | 9 12 | 2 22 | 4 56 | 1 28 | 5 51 | 0 23 | 8 43 | 1 1 | 18 3 | 1 41 | 0 55 | 0 45 | 9 3 | 1 46 | 3 56 | 13 45 | 2 12 | 2 19 | 1 38 | 1 52 | 4 15 |
| M16 | 1 16 | 13 48 | 3 35 | 8 34 | 2 22 | 4 27 | 1 28 | 6 9 | 0 22 | 8 49 | 1 1 | 18 5 | 1 41 | 0 54 | 0 45 | 9 3 | 1 46 | 3 57 | 13 45 | 2 12 | 2 20 | 1 40 | 1 50 | 4 15 |
| T 17 | 1 40 | 10 24 | 2 30 | 7 55 | 2 22 | 3 58 | 1 28 | 6 27 | 0 21 | 8 54 | 1 1 | 18 6 | 1 41 | 0 53 | 0 45 | 9 4 | 1 46 | 3 57 | 13 45 | 2 12 | 2 21 | 1 41 | 1 49 | 4 15 |
| W18 | 2 3 | 6 14 | 1 13 | 7 15 | 2 21 | 3 28 | 1 28 | 6 45 | 0 21 | 8 59 | 1 1 | 18 8 | 1 41 | 0 52 | 0 45 | 9 5 | 1 46 | 3 57 | 13 44 | 2 11 | 2 22 | 1 43 | 1 48 | 4 15 |
| T 19 | 2 27 | 1 36 | 0n10 | 6 34 | 2 19 | 2 58 | 1 27 | 7 2 | 0 20 | 9 4 | 1 1 | 18 9 | 1 40 | 0 51 | 0 45 | 9 6 | 1 46 | 3 58 | 13 44 | 2 11 | 2 24 | 1 45 | 1 46 | 4 15 |
| F 20 | 2 50 | 3s10 | 1 33 | 5 51 | 2 18 | 2 29 | 1 27 | 7 20 | 0 19 | 9 9 | 1 1 | 18 11 | 1 40 | 0 50 | 0 45 | 9 6 | 1 46 | 3 58 | 13 44 | 2 11 | 2 25 | 1 47 | 1 45 | 4 15 |
| S 21 | 3 13 | 7 43 | 2 50 | 5 7 | 2 15 | 1 59 | 1 27 | 7 37 | 0 19 | 9 14 | 1 1 | 18 12 | 1 40 | 0 49 | 0 45 | 9 7 | 1 46 | 3 59 | 13 44 | 2 12 | 2 26 | 1 49 | 1 43 | 4 15 |
| S 22 | 3 37 | 11 43 | 3 53 | 4 22 | 2 13 | 1 29 | 1 27 | 7 55 | 0 18 | 9 20 | 1 1 | 18 14 | 1 40 | 0 48 | 0 45 | 9 8 | 1 46 | 3 59 | 13 43 | 2 12 | 2 27 | 1 51 | 1 42 | 4 15 |
| M23 | 4 0 | 14 53 | 4 40 | 3 36 | 2 9 | 0 59 | 1 26 | 8 12 | 0 17 | 9 25 | 1 1 | 18 15 | 1 40 | 0 47 | 0 45 | 9 9 | 1 46 | 4 0 | 13 43 | 2 13 | 2 29 | 1 52 | 1 41 | 4 15 |
| T 24 | 4 23 | 17 3 | 5 8 | 2 49 | 2 5 | 0 29 | 1 26 | 8 29 | 0 17 | 9 30 | 1 1 | 18 17 | 1 39 | 0 46 | 0 45 | 9 10 | 1 46 | 4 0 | 13 43 | 2 14 | 2 30 | 1 54 | 1 39 | 4 15 |
| W25 | 4 46 | 18 8 | 5 17 | 2 1 | 2 1 | 0n 1 | 1 25 | 8 46 | 0 16 | 9 35 | 1 0 | 18 18 | 1 39 | 0 45 | 0 45 | 9 10 | 1 46 | 4 1 | 13 43 | 2 14 | 2 31 | 1 56 | 1 38 | 4 15 |
| T 26 | 5 9 | 18 9 | 5 8 | 1 11 | 1 56 | 0 31 | 1 25 | 9 3 | 0 16 | 9 40 | 1 0 | 18 20 | 1 39 | 0 44 | 0 45 | 9 11 | 1 45 | 4 1 | 13 43 | 2 15 | 2 32 | 1 58 | 1 37 | 4 15 |
| F 27 | 5 32 | 17 13 | 4 44 | 0 21 | 1 51 | 1 1 | 1 24 | 9 20 | 0 15 | 9 45 | 1 0 | 18 21 | 1 39 | 0 43 | 0 45 | 9 12 | 1 45 | 4 2 | 13 42 | 2 15 | 2 34 | 2 0 | 1 35 | 4 15 |
| S 28 | 5 55 | 15 28 | 4 6 | 0n31 | 1 45 | 1 31 | 1 24 | 9 37 | 0 14 | 9 51 | 1 0 | 18 23 | 1 39 | 0 42 | 0 45 | 9 13 | 1 45 | 4 2 | 13 42 | 2 14 | 2 35 | 2 2 | 1 34 | 4 15 |
| S 29 | 6 17 | 13 2 | 3 18 | 1 23 | 1 39 | 2 1 | 1 23 | 9 54 | 0 14 | 9 56 | 1 0 | 18 25 | 1 38 | 0 41 | 0 45 | 9 14 | 1 45 | 4 3 | 13 42 | 2 14 | 2 36 | 2 4 | 1 33 | 4 15 |
| M30 | 6 40 | 10 4 | 2 22 | 2 16 | 1 32 | 2 31 | 1 22 | 10 11 | 0 13 | 10 1 | 1 0 | 18 26 | 1 38 | 0 40 | 0 45 | 9 14 | 1 45 | 4 3 | 13 42 | 2 13 | 2 38 | 2 5 | 1 31 | 4 15 |
| T 31 | 7n 3 | 6s43 | 1n21 | 3n10 | 1s24 | 3n 1 | 1s21 | 10n27 | 0s12 | 10n 6 | 1s 0 | 18n28 | 1s38 | 0s39 | 0n45 | 9n15 | 1s45 | 4n 4 | 13s42 | 2n13 | 2n39 | 2n 7 | 1s30 | 4n15 |

Julian Day Number = 2226257.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'09, Lahiri = 15°15'10 Julian Calendar 1 March 1383 == Greg. Calendar 9 March 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## APRIL 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 8 1 | 18♈52'20 | 21♓29 | 13♈16 | 11♈59 | 28♈18 | 28♈54 | 29♉23 | 3°R18 | 28♈19 | 17♉59 | 24°R28 | 23♍18 | 8♈32 | 16♓22 | W 1 |
| T 2 | 13 11 57 | 19°50'56 | 3♈16 | 15°19 | 13°13 | 29° 2 | 29° 8 | 29°29 | 3♎16 | 28°21 | 18° 0 | 24♍28 | 23°15 | 8°39 | 16°25 | T 2 |
| F 3 | 13 15 54 | 20°49'30 | 15° 3 | 17°23 | 14°27 | 29°46 | 29°22 | 29°36 | 3°13 | 28°23 | 18° 2 | 24°26 | 23°12 | 8°46 | 16°28 | F 3 |
| S 4 | 13 19 50 | 21°48'02 | 26°53 | 19°28 | 15°41 | 0♉30 | 29°36 | 29°43 | 3°11 | 28°25 | 18° 3 | 24°23 | 23° 9 | 8°52 | 16°31 | S 4 |
| S 5 | 13 23 47 | 22°46'32 | 8♉48 | 21°34 | 16°55 | 1°14 | 29°51 | 29°49 | 3° 9 | 28°28 | 18° 4 | 24°19 | 23° 5 | 8°59 | 16°35 | S 5 |
| M 6 | 13 27 43 | 23°45'00 | 20°49 | 23°41 | 18° 9 | 1°58 | 0♉ 5 | 29°56 | 3° 6 | 28°30 | 18° 5 | 24°14 | 23° 2 | 9° 6 | 16°38 | M 6 |
| T 7 | 13 31 40 | 24°43'27 | 2♊59 | 25°49 | 19°23 | 2°42 | 0°19 | 0♊ 3 | 3° 4 | 28°32 | 18° 6 | 24° 9 | 22°59 | 9°12 | 16°41 | T 7 |
| W 8 | 13 35 37 | 25°41'51 | 15°19 | 27°58 | 20°37 | 3°25 | 0°33 | 0°10 | 3° 1 | 28°34 | 18° 8 | 24° 4 | 22°56 | 9°19 | 16°44 | W 8 |
| T 9 | 13 39 33 | 26°40'13 | 27°53 | 0♉ 6 | 21°51 | 4° 9 | 0°48 | 0°17 | 2°59 | 28°37 | 18° 9 | 24° 0 | 22°53 | 9°25 | 16°47 | T 9 |
| F 10 | 13 43 30 | 27°38'33 | 10♋41 | 2°15 | 23° 5 | 4°52 | 1° 2 | 0°24 | 2°57 | 28°39 | 18°10 | 23°57 | 22°50 | 9°32 | 16°50 | F 10 |
| S 11 | 13 47 26 | 28°36'51 | 23°48 | 4°23 | 24°19 | 5°36 | 1°16 | 0°31 | 2°55 | 28°41 | 18°12 | 23°D56 | 22°46 | 9°39 | 16°53 | S 11 |
| S 12 | 13 51 23 | 29°35'07 | 7♌15 | 6°31 | 25°33 | 6°20 | 1°31 | 0°38 | 2°52 | 28°43 | 18°13 | 23°56 | 22°43 | 9°45 | 16°56 | S 12 |
| M13 | 13 55 19 | 0♉33'20 | 21° 5 | 8°38 | 26°47 | 7° 3 | 1°45 | 0°45 | 2°50 | 28°46 | 18°14 | 23°57 | 22°40 | 9°52 | 16°59 | M13 |
| T 14 | 13 59 16 | 1°31'32 | 5♍18 | 10°44 | 28° 1 | 7°46 | 1°59 | 0°52 | 2°48 | 28°48 | 18°15 | 23°58 | 22°37 | 9°59 | 17° 2 | T 14 |
| W15 | 14 3 12 | 2°29'41 | 19°52 | 12°48 | 29°15 | 8°30 | 2°14 | 1° 0 | 2°46 | 28°50 | 18°17 | 23°R59 | 22°34 | 10° 5 | 17° 5 | W15 |
| T 16 | 14 7 9 | 3°27'49 | 4♎45 | 14°51 | 0♉29 | 9°13 | 2°28 | 1° 7 | 2°44 | 28°53 | 18°18 | 23°59 | 22°30 | 10°12 | 17° 7 | T 16 |
| F 17 | 14 11 5 | 4°25'54 | 19°50 | 16°52 | 1°43 | 9°56 | 2°42 | 1°14 | 2°42 | 28°55 | 18°19 | 23°57 | 22°27 | 10°19 | 17°10 | F 17 |
| S 18 | 14 15 2 | 5°23'58 | 4♏58 | 18°50 | 2°57 | 10°39 | 2°56 | 1°21 | 2°40 | 28°57 | 18°21 | 23°53 | 22°24 | 10°25 | 17°13 | S 18 |
| S 19 | 14 18 59 | 6°22'00 | 20° 0 | 20°46 | 4°11 | 11°22 | 3°11 | 1°29 | 2°38 | 28°59 | 18°22 | 23°47 | 22°21 | 10°32 | 17°16 | S 19 |
| M20 | 14 22 55 | 7°20'01 | 4♐47 | 22°39 | 5°25 | 12° 6 | 3°25 | 1°36 | 2°36 | 29° 2 | 18°23 | 23°40 | 22°18 | 10°39 | 17°18 | M20 |
| T 21 | 14 26 52 | 8°18'00 | 19°11 | 24°29 | 6°39 | 12°49 | 3°39 | 1°44 | 2°34 | 29° 4 | 18°25 | 23°34 | 22°15 | 10°45 | 17°21 | T 21 |
| W22 | 14 30 48 | 9°15'58 | 3♑ 8 | 26°16 | 7°53 | 13°32 | 3°54 | 1°51 | 2°32 | 29° 6 | 18°26 | 23°28 | 22°11 | 10°52 | 17°24 | W22 |
| T 23 | 14 34 45 | 10°13'54 | 16°37 | 28° 0 | 9° 7 | 14°14 | 4° 8 | 1°59 | 2°30 | 29° 8 | 18°27 | 23°24 | 22° 8 | 10°59 | 17°26 | T 23 |
| F 24 | 14 38 41 | 11°11'49 | 29°37 | 29°41 | 10°21 | 14°57 | 4°22 | 2° 6 | 2°28 | 29°10 | 18°29 | 23°21 | 22° 5 | 11° 5 | 17°29 | F 24 |
| S 25 | 14 42 38 | 12° 9'43 | 12♒14 | 1♊18 | 11°34 | 15°40 | 4°36 | 2°14 | 2°26 | 29°13 | 18°30 | 23°D21 | 22° 2 | 11°12 | 17°31 | S 25 |
| S 26 | 14 46 35 | 13° 7'36 | 24°30 | 2°52 | 12°48 | 16°23 | 4°50 | 2°21 | 2°24 | 29°15 | 18°31 | 23°21 | 21°59 | 11°19 | 17°34 | S 26 |
| M27 | 14 50 31 | 14° 5'27 | 6♓32 | 4°22 | 14° 2 | 17° 6 | 5° 5 | 2°29 | 2°23 | 29°17 | 18°33 | 23°22 | 21°55 | 11°25 | 17°36 | M27 |
| T 28 | 14 54 28 | 15° 3'17 | 18°24 | 5°48 | 15°16 | 17°48 | 5°19 | 2°36 | 2°21 | 29°19 | 18°34 | 23°R23 | 21°52 | 11°32 | 17°38 | T 28 |
| W29 | 14 58 24 | 16° 1'05 | 0♈11 | 7°11 | 16°30 | 18°31 | 5°33 | 2°44 | 2°19 | 29°21 | 18°35 | 23°23 | 21°49 | 11°39 | 17°41 | W29 |
| T 30 | 15 2 21 | 16♉58'53 | 11♈57 | 8♊30 | 17♉44 | 19♉14 | 5♉47 | 2♊52 | 2♎18 | 29♈24 | 18♉37 | 23♍21 | 21♍46 | 11♈45 | 17♓43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n25 | 3s 8 | 0n16 | 4n 5 | 1s16 | 3n31 | 1s20 | 10n43 | 0s12 | 10n11 | 1s 0 | 18n29 | 1s38 | 0s38 | 0n45 | 9n16 | 1s45 | 4n 4 | 13s42 | 2n12 | 2n40 | 2n 9 | 1s29 | 4n15 |
| T 2 | 7 47 | 0n34 | 0s48 | 5 0 | 1 8 | 4 1 | 1 19 | 11 0 | 0 11 | 10 16 | 1 0 | 18 31 | 1 38 | 0 37 | 0 45 | 9 17 | 1 45 | 4 5 | 13 41 | 2 12 | 2 41 | 2 11 | 1 27 | 4 15 |
| F 3 | 8 9 | 4 15 | 1 51 | 5 56 | 0 59 | 4 31 | 1 18 | 11 16 | 0 10 | 10 21 | 1 0 | 18 33 | 1 38 | 0 36 | 0 45 | 9 18 | 1 45 | 4 5 | 13 41 | 2 13 | 2 43 | 2 13 | 1 26 | 4 15 |
| S 4 | 8 31 | 7 46 | 2 49 | 6 52 | 0 50 | 5 0 | 1 17 | 11 32 | 0 10 | 10 26 | 1 0 | 18 34 | 1 37 | 0 35 | 0 45 | 9 18 | 1 45 | 4 6 | 13 41 | 2 14 | 2 44 | 2 15 | 1 25 | 4 16 |
| S 5 | 8 53 | 11 0 | 3 40 | 7 48 | 0 41 | 5 30 | 1 16 | 11 48 | 0 9 | 10 31 | 1 0 | 18 36 | 1 37 | 0 34 | 0 45 | 9 19 | 1 45 | 4 6 | 13 41 | 2 16 | 2 45 | 2 16 | 1 23 | 4 16 |
| M 6 | 9 15 | 13 49 | 4 21 | 8 45 | 0 31 | 5 59 | 1 15 | 12 4 | 0 8 | 10 37 | 0 59 | 18 37 | 1 37 | 0 33 | 0 45 | 9 20 | 1 45 | 4 7 | 13 41 | 2 18 | 2 46 | 2 18 | 1 22 | 4 16 |
| T 7 | 9 36 | 16 3 | 4 52 | 9 41 | 0 21 | 6 29 | 1 14 | 12 20 | 0 8 | 10 42 | 0 59 | 18 39 | 1 37 | 0 32 | 0 45 | 9 21 | 1 45 | 4 7 | 13 41 | 2 20 | 2 48 | 2 20 | 1 21 | 4 16 |
| W 8 | 9 58 | 17 35 | 5 9 | 10 37 | 0 10 | 6 58 | 1 12 | 12 35 | 0 7 | 10 47 | 0 59 | 18 41 | 1 37 | 0 31 | 0 45 | 9 22 | 1 45 | 4 7 | 13 40 | 2 22 | 2 49 | 2 22 | 1 20 | 4 16 |
| T 9 | 10 19 | 18 18 | 5 12 | 11 33 | 0n 0 | 7 27 | 1 11 | 12 51 | 0 6 | 10 52 | 0 59 | 18 42 | 1 37 | 0 30 | 0 45 | 9 22 | 1 45 | 4 8 | 13 40 | 2 24 | 2 50 | 2 24 | 1 18 | 4 16 |
| F 10 | 10 40 | 18 7 | 4 59 | 12 28 | 0 11 | 7 56 | 1 10 | 13 6 | 0 6 | 10 57 | 0 59 | 18 44 | 1 36 | 0 30 | 0 45 | 9 23 | 1 45 | 4 8 | 13 40 | 2 25 | 2 51 | 2 26 | 1 17 | 4 16 |
| S 11 | 11 1 | 16 57 | 4 31 | 13 22 | 0 22 | 8 24 | 1 8 | 13 21 | 0 5 | 11 2 | 0 59 | 18 45 | 1 36 | 0 29 | 0 45 | 9 24 | 1 45 | 4 9 | 13 40 | 2 25 | 2 53 | 2 27 | 1 16 | 4 16 |
| S 12 | 11 22 | 14 51 | 3 48 | 14 15 | 0 33 | 8 53 | 1 7 | 13 36 | 0 5 | 11 7 | 0 59 | 18 47 | 1 36 | 0 28 | 0 45 | 9 25 | 1 45 | 4 9 | 13 40 | 2 25 | 2 54 | 2 29 | 1 15 | 4 16 |
| M13 | 11 42 | 11 50 | 2 50 | 15 6 | 0 43 | 9 21 | 1 5 | 13 51 | 0 4 | 11 12 | 0 59 | 18 49 | 1 36 | 0 27 | 0 45 | 9 26 | 1 45 | 4 10 | 13 40 | 2 25 | 2 55 | 2 31 | 1 13 | 4 16 |
| T 14 | 12 3 | 8 3 | 1 40 | 15 56 | 0 54 | 9 49 | 1 3 | 14 6 | 0 3 | 11 17 | 0 59 | 18 50 | 1 36 | 0 26 | 0 45 | 9 26 | 1 45 | 4 10 | 13 40 | 2 24 | 2 56 | 2 33 | 1 12 | 4 16 |
| W15 | 12 23 | 3 41 | 0 22 | 16 45 | 1 4 | 10 17 | 1 2 | 14 20 | 0 3 | 11 22 | 0 59 | 18 52 | 1 36 | 0 25 | 0 45 | 9 27 | 1 45 | 4 11 | 13 40 | 2 24 | 2 58 | 2 35 | 1 11 | 4 17 |
| T 16 | 12 43 | 1s 0 | 0n58 | 17 31 | 1 14 | 10 45 | 1 0 | 14 35 | 0 2 | 11 27 | 0 59 | 18 53 | 1 36 | 0 24 | 0 45 | 9 28 | 1 45 | 4 11 | 13 40 | 2 24 | 2 59 | 2 37 | 1 10 | 4 17 |
| F 17 | 13 2 | 5 41 | 2 16 | 18 15 | 1 23 | 11 12 | 0 58 | 14 49 | 0 1 | 11 32 | 0 59 | 18 55 | 1 35 | 0 24 | 0 44 | 9 29 | 1 45 | 4 12 | 13 39 | 2 25 | 3 0 | 2 38 | 1 9 | 4 17 |
| S 18 | 13 22 | 10 1 | 3 24 | 18 58 | 1 32 | 11 39 | 0 56 | 15 3 | 0 1 | 11 37 | 0 59 | 18 57 | 1 35 | 0 23 | 0 44 | 9 30 | 1 45 | 4 12 | 13 39 | 2 26 | 3 1 | 2 40 | 1 7 | 4 17 |
| S 19 | 13 41 | 13 40 | 4 18 | 19 37 | 1 41 | 12 6 | 0 55 | 15 18 | 0 0 | 11 42 | 0 59 | 18 58 | 1 35 | 0 22 | 0 44 | 9 30 | 1 45 | 4 12 | 13 39 | 2 29 | 3 3 | 2 42 | 1 6 | 4 17 |
| M20 | 14 0 | 16 22 | 4 53 | 20 15 | 1 49 | 12 32 | 0 53 | 15 31 | 0n 1 | 11 46 | 0 59 | 19 0 | 1 35 | 0 21 | 0 44 | 9 31 | 1 45 | 4 13 | 13 39 | 2 31 | 3 4 | 2 44 | 1 5 | 4 17 |
| T 21 | 14 19 | 17 57 | 5 8 | 20 50 | 1 56 | 12 59 | 0 51 | 15 45 | 0 1 | 11 51 | 0 59 | 19 2 | 1 35 | 0 21 | 0 44 | 9 32 | 1 45 | 4 13 | 13 39 | 2 34 | 3 5 | 2 46 | 1 4 | 4 17 |
| W22 | 14 38 | 18 24 | 5 5 | 21 22 | 2 3 | 13 25 | 0 49 | 15 59 | 0 2 | 11 56 | 0 59 | 19 3 | 1 35 | 0 20 | 0 44 | 9 33 | 1 45 | 4 14 | 13 39 | 2 36 | 3 7 | 2 48 | 1 3 | 4 17 |
| T 23 | 14 56 | 17 46 | 4 45 | 21 52 | 2 9 | 13 50 | 0 47 | 16 12 | 0 3 | 12 1 | 0 59 | 19 5 | 1 35 | 0 19 | 0 44 | 9 34 | 1 45 | 4 14 | 13 39 | 2 38 | 3 8 | 2 50 | 1 2 | 4 18 |
| F 24 | 15 14 | 16 13 | 4 10 | 22 19 | 2 14 | 14 16 | 0 45 | 16 26 | 0 3 | 12 6 | 0 59 | 19 6 | 1 34 | 0 18 | 0 44 | 9 34 | 1 45 | 4 14 | 13 39 | 2 39 | 3 9 | 2 51 | 1 1 | 4 18 |
| S 25 | 15 32 | 13 55 | 3 24 | 22 44 | 2 18 | 14 40 | 0 43 | 16 39 | 0 4 | 12 11 | 0 59 | 19 8 | 1 34 | 0 18 | 0 44 | 9 35 | 1 45 | 4 15 | 13 39 | 2 39 | 3 10 | 2 53 | 0 59 | 4 18 |
| S 26 | 15 50 | 11 3 | 2 30 | 23 7 | 2 21 | 15 5 | 0 41 | 16 52 | 0 4 | 12 16 | 0 58 | 19 10 | 1 34 | 0 17 | 0 44 | 9 36 | 1 45 | 4 15 | 13 39 | 2 39 | 3 12 | 2 55 | 0 58 | 4 18 |
| M27 | 16 7 | 7 45 | 1 30 | 23 27 | 2 24 | 15 29 | 0 39 | 17 4 | 0 5 | 12 20 | 0 58 | 19 11 | 1 34 | 0 16 | 0 44 | 9 37 | 1 45 | 4 16 | 13 39 | 2 38 | 3 13 | 2 57 | 0 57 | 4 18 |
| T 28 | 16 24 | 4 11 | 0 27 | 23 44 | 2 26 | 15 53 | 0 37 | 17 17 | 0 6 | 12 25 | 0 58 | 19 13 | 1 34 | 0 16 | 0 44 | 9 37 | 1 46 | 4 16 | 13 39 | 2 38 | 3 14 | 2 59 | 0 56 | 4 18 |
| W29 | 16 41 | 0 29 | 0s37 | 24 0 | 2 27 | 16 16 | 0 34 | 17 30 | 0 6 | 12 30 | 0 58 | 19 14 | 1 34 | 0 15 | 0 44 | 9 38 | 1 46 | 4 16 | 13 39 | 2 38 | 3 15 | 3 1 | 0 55 | 4 18 |
| T 30 | 16n58 | 3n14 | 1s38 | 24n13 | 2n27 | 16n39 | 0s32 | 17n42 | 0n 7 | 12n35 | 0s58 | 19n16 | 1s34 | 0s14 | 0n44 | 9n39 | 1s46 | 4n17 | 13s39 | 2n39 | 3n17 | 3n 2 | 0s54 | 4n18 |

Julian Day Number = 2226288.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'14, Lahiri = 15°15'14 Julian Calendar 1 Apr. 1383 == Greg. Calendar 9 Apr. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## MAY 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 6 17 | 17♉56'39 | 23♈46 | 9♊46 | 18♉58 | 19♉56 | 6♉ 1 | 2♊59 | 2°R16 | 29♈26 | 18♉38 | 23°R17 | 21♍43 | 11♈52 | 17♓45 | F 1 |
| S 2 | 15 10 14 | 18°54'23 | 5♉42 | 10°57 | 20°11 | 20°39 | 6°15 | 3° 7 | 2♎15 | 29°28 | 18°40 | 23♍10 | 21°40 | 11°58 | 17°47 | S 2 |
| S 3 | 15 14 10 | 19°52'07 | 17°46 | 12° 5 | 21°25 | 21°21 | 6°29 | 3°15 | 2°13 | 29°30 | 18°41 | 23° 2 | 21°36 | 12° 5 | 17°49 | S 3 |
| M 4 | 15 18 7 | 20°49'49 | 29°59 | 13° 8 | 22°39 | 22° 3 | 6°44 | 3°22 | 2°12 | 29°32 | 18°42 | 22°52 | 21°33 | 12°12 | 17°52 | M 4 |
| T 5 | 15 22 3 | 21°47'30 | 12♊22 | 14° 8 | 23°53 | 22°46 | 6°58 | 3°30 | 2°10 | 29°34 | 18°44 | 22°41 | 21°30 | 12°18 | 17°54 | T 5 |
| W 6 | 15 26 0 | 22°45'10 | 24°57 | 15° 3 | 25° 7 | 23°28 | 7°12 | 3°38 | 2° 9 | 29°37 | 18°45 | 22°30 | 21°27 | 12°25 | 17°56 | W 6 |
| T 7 | 15 29 57 | 23°42'48 | 7♋44 | 15°55 | 26°20 | 24°10 | 7°26 | 3°46 | 2° 8 | 29°39 | 18°46 | 22°22 | 21°24 | 12°32 | 17°58 | T 7 |
| F 8 | 15 33 53 | 24°40'25 | 20°43 | 16°42 | 27°34 | 24°53 | 7°40 | 3°53 | 2° 6 | 29°41 | 18°48 | 22°15 | 21°21 | 12°38 | 18° 0 | F 8 |
| S 9 | 15 37 50 | 25°38'00 | 3♌56 | 17°25 | 28°48 | 25°35 | 7°53 | 4° 1 | 2° 5 | 29°43 | 18°49 | 22°10 | 21°17 | 12°45 | 18° 1 | S 9 |
| S 10 | 15 41 46 | 26°35'33 | 17°24 | 18° 3 | 0♊ 2 | 26°17 | 8° 7 | 4° 9 | 2° 4 | 29°45 | 18°50 | 22° 8 | 21°14 | 12°52 | 18° 3 | S 10 |
| M11 | 15 45 43 | 27°33'06 | 1♍ 8 | 18°37 | 1°16 | 26°59 | 8°21 | 4°17 | 2° 3 | 29°47 | 18°52 | 22°D 8 | 21°11 | 12°58 | 18° 5 | M11 |
| T 12 | 15 49 39 | 28°30'36 | 15° 9 | 19° 7 | 2°29 | 27°41 | 8°35 | 4°25 | 2° 2 | 29°49 | 18°53 | 22°R 9 | 21° 8 | 13° 5 | 18° 7 | T 12 |
| W13 | 15 53 36 | 29°28'06 | 29°27 | 19°32 | 3°43 | 28°23 | 8°49 | 4°32 | 2° 1 | 29°51 | 18°54 | 22° 9 | 21° 5 | 13°12 | 18° 8 | W13 |
| T 14 | 15 57 32 | 0♊25'34 | 14♎ 0 | 19°52 | 4°57 | 29° 5 | 9° 3 | 4°40 | 2° 0 | 29°53 | 18°56 | 22° 7 | 21° 1 | 13°18 | 18°10 | T 14 |
| F 15 | 16 1 29 | 1°23'00 | 28°45 | 20° 8 | 6°10 | 29°46 | 9°16 | 4°48 | 1°59 | 29°55 | 18°57 | 22° 3 | 20°58 | 13°25 | 18°12 | F 15 |
| S 16 | 16 5 26 | 2°20'26 | 13♏36 | 20°19 | 7°24 | 0♊28 | 9°30 | 4°56 | 1°58 | 29°57 | 18°58 | 21°56 | 20°55 | 13°32 | 18°13 | S 16 |
| S 17 | 16 9 22 | 3°17'50 | 28°24 | 20°25 | 8°38 | 1°10 | 9°44 | 5° 4 | 1°57 | 29°59 | 19° 0 | 21°47 | 20°52 | 13°38 | 18°15 | S 17 |
| M18 | 16 13 19 | 4°15'14 | 13♐ 2 | 20°R27 | 9°52 | 1°52 | 9°57 | 5°12 | 1°56 | 0♉ 1 | 19° 1 | 21°37 | 20°49 | 13°45 | 18°16 | M18 |
| T 19 | 16 17 15 | 5°12'37 | 27°21 | 20°24 | 11° 5 | 2°33 | 10°11 | 5°19 | 1°56 | 0° 3 | 19° 2 | 21°26 | 20°46 | 13°52 | 18°17 | T 19 |
| W20 | 16 21 12 | 6° 9'59 | 11♑18 | 20°17 | 12°19 | 3°15 | 10°24 | 5°27 | 1°55 | 0° 5 | 19° 4 | 21°17 | 20°42 | 13°58 | 18°19 | W20 |
| T 21 | 16 25 8 | 7° 7'20 | 24°47 | 20° 6 | 13°33 | 3°56 | 10°38 | 5°35 | 1°54 | 0° 7 | 19° 5 | 21° 9 | 20°39 | 14° 5 | 18°20 | T 21 |
| F 22 | 16 29 5 | 8° 4'40 | 7♒50 | 19°50 | 14°46 | 4°38 | 10°51 | 5°43 | 1°54 | 0° 9 | 19° 6 | 21° 3 | 20°36 | 14°12 | 18°21 | F 22 |
| S 23 | 16 33 1 | 9° 2'00 | 20°29 | 19°31 | 16° 0 | 5°19 | 11° 5 | 5°51 | 1°53 | 0°10 | 19° 8 | 21° 0 | 20°33 | 14°18 | 18°22 | S 23 |
| S 24 | 16 36 58 | 9°59'20 | 2♓47 | 19° 8 | 17°14 | 6° 1 | 11°18 | 5°59 | 1°53 | 0°12 | 19° 9 | 20°59 | 20°30 | 14°25 | 18°24 | S 24 |
| M25 | 16 40 55 | 10°56'38 | 14°50 | 18°43 | 18°27 | 6°42 | 11°31 | 6° 6 | 1°52 | 0°14 | 19°10 | 20°58 | 20°27 | 14°32 | 18°25 | M25 |
| T 26 | 16 44 51 | 11°53'57 | 26°43 | 18°14 | 19°41 | 7°23 | 11°45 | 6°14 | 1°52 | 0°16 | 19°11 | 20°58 | 20°23 | 14°38 | 18°26 | T 26 |
| W27 | 16 48 48 | 12°51'15 | 8♈31 | 17°44 | 20°55 | 8° 5 | 11°58 | 6°22 | 1°52 | 0°18 | 19°13 | 20°57 | 20°20 | 14°45 | 18°27 | W27 |
| T 28 | 16 52 44 | 13°48'32 | 20°19 | 17°12 | 22° 8 | 8°46 | 12°11 | 6°30 | 1°51 | 0°19 | 19°14 | 20°54 | 20°17 | 14°52 | 18°28 | T 28 |
| F 29 | 16 56 41 | 14°45'49 | 2♉12 | 16°38 | 23°22 | 9°27 | 12°24 | 6°38 | 1°51 | 0°21 | 19°15 | 20°49 | 20°14 | 14°58 | 18°29 | F 29 |
| S 30 | 17 0 37 | 15°43'06 | 14°15 | 16° 4 | 24°36 | 10° 8 | 12°37 | 6°45 | 1°51 | 0°23 | 19°16 | 20°41 | 20°11 | 15° 5 | 18°29 | S 30 |
| S 31 | 17 4 34 | 16♊40'22 | 26♉28 | 15♊30 | 25♊49 | 10♊49 | 12♉50 | 6♊53 | 1♎51 | 0♉25 | 19♉18 | 20♍30 | 20♍ 7 | 15♈12 | 18♓30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n14 | 6n50 | 2s36 | 24n24 | 2n26 | 17n 2 | 0s30 | 17n54 | 0n 8 | 12n39 | 0s58 | 19n17 | 1s34 | 0s14 | 0n44 | 9n40 | 1s46 | 4n17 | 13s39 | 2n41 | 3n18 | 3n 4 | 0s53 | 4n19 |
| S 2 | 17 30 | 10 12 | 3 27 | 24 32 | 2 24 | 17 24 | 0 28 | 18 6 | 0 8 | 12 44 | 0 58 | 19 19 | 1 34 | 0 13 | 0 44 | 9 40 | 1 46 | 4 18 | 13 38 | 2 43 | 3 19 | 3 6 | 0 52 | 4 19 |
| S 3 | 17 46 | 13 11 | 4 9 | 24 39 | 2 22 | 17 46 | 0 26 | 18 18 | 0 9 | 12 49 | 0 58 | 19 21 | 1 33 | 0 13 | 0 44 | 9 41 | 1 46 | 4 18 | 13 38 | 2 47 | 3 20 | 3 8 | 0 51 | 4 19 |
| M 4 | 18 1 | 15 38 | 4 41 | 24 44 | 2 18 | 18 7 | 0 23 | 18 30 | 0 9 | 12 53 | 0 58 | 19 22 | 1 33 | 0 12 | 0 44 | 9 42 | 1 46 | 4 18 | 13 38 | 2 51 | 3 22 | 3 10 | 0 50 | 4 19 |
| T 5 | 18 16 | 17 24 | 5 0 | 24 47 | 2 14 | 18 28 | 0 21 | 18 41 | 0 10 | 12 58 | 0 58 | 19 24 | 1 33 | 0 12 | 0 44 | 9 43 | 1 46 | 4 19 | 13 38 | 2 55 | 3 23 | 3 12 | 0 49 | 4 19 |
| W 6 | 18 31 | 18 21 | 5 4 | 24 48 | 2 8 | 18 48 | 0 19 | 18 52 | 0 11 | 13 2 | 0 58 | 19 25 | 1 33 | 0 11 | 0 44 | 9 43 | 1 46 | 4 19 | 13 38 | 2 59 | 3 24 | 3 13 | 0 48 | 4 19 |
| T 7 | 18 46 | 18 24 | 4 54 | 24 47 | 2 2 | 19 8 | 0 16 | 19 3 | 0 11 | 13 7 | 0 58 | 19 27 | 1 33 | 0 11 | 0 44 | 9 44 | 1 46 | 4 19 | 13 38 | 3 2 | 3 25 | 3 15 | 0 48 | 4 20 |
| F 8 | 19 0 | 17 30 | 4 28 | 24 45 | 1 55 | 19 27 | 0 14 | 19 14 | 0 12 | 13 12 | 0 58 | 19 28 | 1 33 | 0 10 | 0 44 | 9 45 | 1 46 | 4 20 | 13 38 | 3 5 | 3 27 | 3 17 | 0 47 | 4 20 |
| S 9 | 19 14 | 15 39 | 3 48 | 24 41 | 1 47 | 19 46 | 0 12 | 19 25 | 0 12 | 13 16 | 0 58 | 19 30 | 1 33 | 0 10 | 0 44 | 9 45 | 1 46 | 4 20 | 13 38 | 3 7 | 3 28 | 3 19 | 0 46 | 4 20 |
| S 10 | 19 27 | 12 54 | 2 54 | 24 36 | 1 38 | 20 4 | 0 9 | 19 36 | 0 13 | 13 21 | 0 58 | 19 31 | 1 33 | 0 9 | 0 44 | 9 46 | 1 46 | 4 21 | 13 38 | 3 8 | 3 29 | 3 21 | 0 45 | 4 20 |
| M11 | 19 41 | 9 24 | 1 50 | 24 29 | 1 28 | 20 22 | 0 7 | 19 46 | 0 14 | 13 25 | 0 58 | 19 33 | 1 33 | 0 9 | 0 44 | 9 47 | 1 46 | 4 21 | 13 38 | 3 8 | 3 30 | 3 23 | 0 44 | 4 20 |
| T 12 | 19 54 | 5 18 | 0 37 | 24 21 | 1 17 | 20 39 | 0 5 | 19 56 | 0 14 | 13 29 | 0 58 | 19 34 | 1 33 | 0 9 | 0 44 | 9 48 | 1 46 | 4 21 | 13 38 | 3 8 | 3 32 | 3 24 | 0 43 | 4 20 |
| W13 | 20 6 | 0 49 | 0n39 | 24 11 | 1 5 | 20 56 | 0 2 | 20 6 | 0 15 | 13 34 | 0 58 | 19 36 | 1 33 | 0 8 | 0 44 | 9 48 | 1 46 | 4 21 | 13 38 | 3 8 | 3 33 | 3 26 | 0 42 | 4 21 |
| T 14 | 20 18 | 3s48 | 1 54 | 24 0 | 0 53 | 21 12 | 0n 0 | 20 16 | 0 15 | 13 38 | 0 58 | 19 37 | 1 32 | 0 8 | 0 44 | 9 49 | 1 46 | 4 22 | 13 38 | 3 8 | 3 34 | 3 28 | 0 42 | 4 21 |
| F 15 | 20 30 | 8 14 | 3 2 | 23 48 | 0 39 | 21 27 | 0 3 | 20 26 | 0 16 | 13 43 | 0 58 | 19 39 | 1 32 | 0 7 | 0 44 | 9 50 | 1 46 | 4 22 | 13 38 | 3 10 | 3 35 | 3 30 | 0 41 | 4 21 |
| S 16 | 20 42 | 12 11 | 3 58 | 23 35 | 0 25 | 21 42 | 0 5 | 20 35 | 0 17 | 13 47 | 0 58 | 19 40 | 1 32 | 0 7 | 0 44 | 9 50 | 1 46 | 4 22 | 13 39 | 3 12 | 3 37 | 3 32 | 0 40 | 4 21 |
| S 17 | 20 53 | 15 21 | 4 38 | 23 20 | 0 10 | 21 56 | 0 7 | 20 44 | 0 17 | 13 51 | 0 58 | 19 42 | 1 32 | 0 7 | 0 43 | 9 51 | 1 46 | 4 23 | 13 39 | 3 16 | 3 38 | 3 34 | 0 39 | 4 21 |
| M18 | 21 4 | 17 30 | 4 59 | 23 5 | 0s 5 | 22 10 | 0 10 | 20 54 | 0 18 | 13 56 | 0 58 | 19 43 | 1 32 | 0 7 | 0 43 | 9 52 | 1 46 | 4 23 | 13 39 | 3 20 | 3 39 | 3 35 | 0 39 | 4 21 |
| T 19 | 21 14 | 18 29 | 5 1 | 22 49 | 0 21 | 22 23 | 0 12 | 21 2 | 0 18 | 14 0 | 0 58 | 19 45 | 1 32 | 0 6 | 0 43 | 9 52 | 1 46 | 4 23 | 13 39 | 3 24 | 3 40 | 3 37 | 0 38 | 4 22 |
| W20 | 21 24 | 18 19 | 4 44 | 22 32 | 0 38 | 22 35 | 0 15 | 21 11 | 0 19 | 14 4 | 0 58 | 19 46 | 1 32 | 0 6 | 0 43 | 9 53 | 1 46 | 4 24 | 13 39 | 3 28 | 3 42 | 3 39 | 0 37 | 4 22 |
| T 21 | 21 34 | 17 6 | 4 12 | 22 15 | 0 54 | 22 47 | 0 17 | 21 20 | 0 20 | 14 8 | 0 58 | 19 48 | 1 32 | 0 6 | 0 43 | 9 53 | 1 46 | 4 24 | 13 39 | 3 31 | 3 43 | 3 41 | 0 37 | 4 22 |
| F 22 | 21 44 | 15 1 | 3 28 | 21 56 | 1 11 | 22 58 | 0 19 | 21 28 | 0 20 | 14 12 | 0 58 | 19 49 | 1 32 | 0 6 | 0 43 | 9 54 | 1 46 | 4 24 | 13 39 | 3 34 | 3 44 | 3 43 | 0 36 | 4 22 |
| S 23 | 21 53 | 12 16 | 2 34 | 21 38 | 1 28 | 23 8 | 0 22 | 21 36 | 0 21 | 14 17 | 0 58 | 19 51 | 1 32 | 0 6 | 0 43 | 9 55 | 1 46 | 4 24 | 13 39 | 3 35 | 3 45 | 3 45 | 0 35 | 4 22 |
| S 24 | 22 1 | 9 2 | 1 35 | 21 19 | 1 46 | 23 18 | 0 24 | 21 44 | 0 21 | 14 21 | 0 58 | 19 52 | 1 32 | 0 5 | 0 43 | 9 55 | 1 46 | 4 25 | 13 39 | 3 35 | 3 47 | 3 46 | 0 35 | 4 22 |
| M25 | 22 9 | 5 29 | 0 33 | 21 0 | 2 3 | 23 27 | 0 26 | 21 52 | 0 22 | 14 25 | 0 58 | 19 53 | 1 32 | 0 5 | 0 43 | 9 56 | 1 46 | 4 25 | 13 39 | 3 35 | 3 48 | 3 48 | 0 34 | 4 23 |
| T 26 | 22 17 | 1 47 | 0s30 | 20 41 | 2 19 | 23 35 | 0 29 | 21 59 | 0 23 | 14 29 | 0 58 | 19 55 | 1 32 | 0 5 | 0 43 | 9 57 | 1 46 | 4 25 | 13 39 | 3 35 | 3 49 | 3 50 | 0 34 | 4 23 |
| W27 | 22 25 | 1n59 | 1 32 | 20 22 | 2 35 | 23 43 | 0 31 | 22 6 | 0 23 | 14 33 | 0 58 | 19 56 | 1 32 | 0 5 | 0 43 | 9 57 | 1 46 | 4 25 | 13 39 | 3 36 | 3 50 | 3 52 | 0 33 | 4 23 |
| T 28 | 22 32 | 5 40 | 2 29 | 20 4 | 2 51 | 23 50 | 0 33 | 22 13 | 0 24 | 14 37 | 0 58 | 19 58 | 1 32 | 0 5 | 0 43 | 9 58 | 1 46 | 4 26 | 13 39 | 3 37 | 3 52 | 3 54 | 0 33 | 4 23 |
| F 29 | 22 39 | 9 9 | 3 20 | 19 46 | 3 6 | 23 56 | 0 35 | 22 20 | 0 24 | 14 41 | 0 58 | 19 59 | 1 32 | 0 5 | 0 43 | 9 58 | 1 46 | 4 26 | 13 39 | 3 39 | 3 53 | 3 56 | 0 32 | 4 23 |
| S 30 | 22 45 | 12 18 | 4 3 | 19 28 | 3 20 | 24 2 | 0 38 | 22 27 | 0 25 | 14 45 | 0 58 | 20 0 | 1 32 | 0 5 | 0 43 | 9 59 | 1 46 | 4 26 | 13 39 | 3 42 | 3 54 | 3 57 | 0 32 | 4 24 |
| S 31 | 22n51 | 14n58 | 4s35 | 19n12 | 3s33 | 24n 7 | 0n40 | 22n34 | 0n25 | 14n49 | 0s58 | 20n 2 | 1s31 | 0s 5 | 0n43 | 9n59 | 1s47 | 4n26 | 13s40 | 3n46 | 3n55 | 3n59 | 0s31 | 4n24 |

Julian Day Number = 2226318.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'18, Lahiri = 15°15'18 Julian Calendar 1 May 1383 == Greg. Calendar 9 May 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## JUNE 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 8 30 | 17♊37'38 | 8♊54 | 14°R57 | 27♊ 3 | 11♊30 | 13♉ 3 | 7♊ 1 | 1°R51 | 0♉26 | 19♉19 | 20°R18 | 20♍ 4 | 15♈18 | 18♓31 | M 1 |
| T 2 | 17 12 27 | 18°34'54 | 21°35 | 14♊25 | 28°16 | 12°12 | 13°16 | 7° 9 | 1°D51 | 0°28 | 19°20 | 20♍ 5 | 20° 1 | 15°25 | 18°31 | T 2 |
| W 3 | 17 16 24 | 19°32'09 | 4♋28 | 13°54 | 29°30 | 12°52 | 13°29 | 7°16 | 1♎51 | 0°30 | 19°21 | 19°52 | 19°58 | 15°31 | 18°32 | W 3 |
| T 4 | 17 20 20 | 20°29'23 | 17°35 | 13°26 | 0♋44 | 13°33 | 13°42 | 7°24 | 1°51 | 0°31 | 19°22 | 19°41 | 19°55 | 15°38 | 18°33 | T 4 |
| F 5 | 17 24 17 | 21°26'37 | 0♌53 | 13° 1 | 1°57 | 14°14 | 13°54 | 7°32 | 1°51 | 0°33 | 19°24 | 19°33 | 19°52 | 15°45 | 18°33 | F 5 |
| S 6 | 17 28 13 | 22°23'50 | 14°22 | 12°38 | 3°11 | 14°55 | 14° 7 | 7°40 | 1°51 | 0°34 | 19°25 | 19°27 | 19°48 | 15°51 | 18°34 | S 6 |
| S 7 | 17 32 10 | 23°21'03 | 28° 0 | 12°19 | 4°25 | 15°36 | 14°20 | 7°47 | 1°52 | 0°36 | 19°26 | 19°24 | 19°45 | 15°58 | 18°34 | S 7 |
| M 8 | 17 36 6 | 24°18'15 | 11♍49 | 12° 4 | 5°38 | 16°17 | 14°32 | 7°55 | 1°52 | 0°37 | 19°27 | 19°23 | 19°42 | 16° 5 | 18°34 | M 8 |
| T 9 | 17 40 3 | 25°15'27 | 25°48 | 11°53 | 6°52 | 16°57 | 14°45 | 8° 3 | 1°52 | 0°39 | 19°28 | 19°23 | 19°39 | 16°11 | 18°35 | T 9 |
| W10 | 17 43 59 | 26°12'38 | 9♎56 | 11°47 | 8° 5 | 17°38 | 14°57 | 8°10 | 1°53 | 0°40 | 19°29 | 19°22 | 19°36 | 16°18 | 18°35 | W10 |
| T 11 | 17 47 56 | 27° 9'48 | 24°13 | 11°D45 | 9°19 | 18°19 | 15° 9 | 8°18 | 1°53 | 0°42 | 19°31 | 19°20 | 19°33 | 16°25 | 18°35 | T 11 |
| F 12 | 17 51 53 | 28° 6'58 | 8♏37 | 11°48 | 10°33 | 18°59 | 15°21 | 8°25 | 1°54 | 0°43 | 19°32 | 19°16 | 19°29 | 16°31 | 18°35 | F 12 |
| S 13 | 17 55 49 | 29° 4'08 | 23° 4 | 11°55 | 11°46 | 19°40 | 15°34 | 8°33 | 1°54 | 0°45 | 19°33 | 19° 9 | 19°26 | 16°38 | 18°35 | S 13 |
| S 14 | 17 59 46 | 0♋ 1'17 | 7♐28 | 12° 8 | 13° 0 | 20°20 | 15°46 | 8°40 | 1°55 | 0°46 | 19°34 | 19° 0 | 19°23 | 16°45 | 18°R35 | S 14 |
| M15 | 18 3 42 | 0°58'27 | 21°44 | 12°25 | 14°13 | 21° 0 | 15°58 | 8°48 | 1°56 | 0°47 | 19°35 | 18°49 | 19°20 | 16°51 | 18°35 | M15 |
| T 16 | 18 7 39 | 1°55'36 | 5♑46 | 12°47 | 15°27 | 21°41 | 16°10 | 8°55 | 1°56 | 0°49 | 19°36 | 18°38 | 19°17 | 16°58 | 18°35 | T 16 |
| W17 | 18 11 35 | 2°52'45 | 19°29 | 13°15 | 16°40 | 22°21 | 16°21 | 9° 3 | 1°57 | 0°50 | 19°37 | 18°27 | 19°13 | 17° 5 | 18°35 | W17 |
| T 18 | 18 15 32 | 3°49'54 | 2♒51 | 13°47 | 17°54 | 23° 1 | 16°33 | 9°10 | 1°58 | 0°51 | 19°38 | 18°19 | 19°10 | 17°11 | 18°35 | T 18 |
| F 19 | 18 19 29 | 4°47'03 | 15°49 | 14°24 | 19° 7 | 23°42 | 16°45 | 9°17 | 1°59 | 0°52 | 19°39 | 18°12 | 19° 7 | 17°18 | 18°34 | F 19 |
| S 20 | 18 23 25 | 5°44'13 | 28°26 | 15° 6 | 20°21 | 24°22 | 16°57 | 9°25 | 2° 0 | 0°54 | 19°40 | 18° 9 | 19° 4 | 17°25 | 18°34 | S 20 |
| S 21 | 18 27 22 | 6°41'23 | 10♓45 | 15°53 | 21°34 | 25° 2 | 17° 8 | 9°32 | 2° 1 | 0°55 | 19°41 | 18° 7 | 19° 1 | 17°31 | 18°34 | S 21 |
| M22 | 18 31 18 | 7°38'33 | 22°48 | 16°44 | 22°48 | 25°42 | 17°19 | 9°39 | 2° 2 | 0°56 | 19°42 | 18°D 7 | 18°58 | 17°38 | 18°33 | M22 |
| T 23 | 18 35 15 | 8°35'44 | 4♈42 | 17°40 | 24° 2 | 26°22 | 17°31 | 9°47 | 2° 3 | 0°57 | 19°43 | 18°R 7 | 18°54 | 17°45 | 18°33 | T 23 |
| W24 | 18 39 11 | 9°32'55 | 16°32 | 18°41 | 25°15 | 27° 2 | 17°42 | 9°54 | 2° 4 | 0°58 | 19°44 | 18° 7 | 18°51 | 17°51 | 18°32 | W24 |
| T 25 | 18 43 8 | 10°30'07 | 28°22 | 19°46 | 26°29 | 27°42 | 17°53 | 10° 1 | 2° 5 | 0°59 | 19°45 | 18° 6 | 18°48 | 17°58 | 18°32 | T 25 |
| F 26 | 18 47 4 | 11°27'19 | 10♉19 | 20°56 | 27°42 | 28°22 | 18° 4 | 10° 8 | 2° 7 | 1° 0 | 19°46 | 18° 2 | 18°45 | 18° 5 | 18°31 | F 26 |
| S 27 | 18 51 1 | 12°24'32 | 22°26 | 22°10 | 28°56 | 29° 2 | 18°15 | 10°15 | 2° 8 | 1° 1 | 19°47 | 17°56 | 18°42 | 18°11 | 18°30 | S 27 |
| S 28 | 18 54 58 | 13°21'45 | 4♊47 | 23°29 | 0♌ 9 | 29°42 | 18°26 | 10°22 | 2° 9 | 1° 2 | 19°47 | 17°48 | 18°39 | 18°18 | 18°30 | S 28 |
| M29 | 18 58 54 | 14°18'59 | 17°25 | 24°52 | 1°23 | 0♋22 | 18°37 | 10°29 | 2°11 | 1° 3 | 19°48 | 17°38 | 18°35 | 18°25 | 18°29 | M29 |
| T 30 | 19 2 51 | 15♋16'14 | 0♋20 | 26♊19 | 2♌36 | 1♋ 2 | 18♉48 | 10♊36 | 2♎12 | 1♉ 4 | 19♉49 | 17♍27 | 18♍32 | 18♈31 | 18♓28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n56 | 17n 0 | 4s55 | 18n57 | 3s44 | 24n11 | 0n42 | 22n40 | 0n26 | 14n53 | 0s58 | 20n 3 | 1s31 | 0s 5 | 0n43 | 10n 0 | 1s47 | 4n27 | 13s40 | 3n51 | 3n57 | 4n 1 | 0s31 | 4n24 |
| T 2 | 23 1 | 18 15 | 5 0 | 18 43 | 3 55 | 24 15 | 0 44 | 22 46 | 0 27 | 14 57 | 0 59 | 20 4 | 1 31 | 0 5 | 0 43 | 10 0 | 1 47 | 4 27 | 13 40 | 3 56 | 3 58 | 4 3 | 0 30 | 4 24 |
| W 3 | 23 6 | 18 36 | 4 51 | 18 30 | 4 4 | 24 17 | 0 46 | 22 52 | 0 27 | 15 0 | 0 59 | 20 6 | 1 31 | 0 5 | 0 43 | 10 1 | 1 47 | 4 27 | 13 40 | 4 1 | 3 59 | 4 5 | 0 30 | 4 24 |
| T 4 | 23 10 | 17 58 | 4 26 | 18 19 | 4 12 | 24 19 | 0 48 | 22 57 | 0 28 | 15 4 | 0 59 | 20 7 | 1 31 | 0 5 | 0 43 | 10 2 | 1 47 | 4 27 | 13 40 | 4 6 | 4 0 | 4 7 | 0 29 | 4 24 |
| F 5 | 23 14 | 16 20 | 3 47 | 18 10 | 4 18 | 24 21 | 0 50 | 23 3 | 0 28 | 15 8 | 0 59 | 20 8 | 1 31 | 0 5 | 0 43 | 10 2 | 1 47 | 4 27 | 13 40 | 4 9 | 4 2 | 4 8 | 0 29 | 4 25 |
| S 6 | 23 18 | 13 48 | 2 54 | 18 2 | 4 23 | 24 21 | 0 52 | 23 8 | 0 29 | 15 12 | 0 59 | 20 9 | 1 31 | 0 5 | 0 43 | 10 3 | 1 47 | 4 28 | 13 40 | 4 11 | 4 3 | 4 10 | 0 29 | 4 25 |
| S 7 | 23 21 | 10 29 | 1 51 | 17 56 | 4 26 | 24 21 | 0 54 | 23 13 | 0 29 | 15 15 | 0 59 | 20 11 | 1 31 | 0 5 | 0 43 | 10 3 | 1 47 | 4 28 | 13 40 | 4 13 | 4 4 | 4 12 | 0 28 | 4 25 |
| M 8 | 23 24 | 6 32 | 0 40 | 17 53 | 4 28 | 24 20 | 0 56 | 23 18 | 0 30 | 15 19 | 0 59 | 20 12 | 1 31 | 0 6 | 0 43 | 10 4 | 1 47 | 4 28 | 13 40 | 4 13 | 4 5 | 4 14 | 0 28 | 4 25 |
| T 9 | 23 26 | 2 12 | 0n34 | 17 50 | 4 29 | 24 19 | 0 58 | 23 23 | 0 30 | 15 23 | 0 59 | 20 13 | 1 31 | 0 6 | 0 43 | 10 4 | 1 47 | 4 28 | 13 41 | 4 13 | 4 7 | 4 16 | 0 28 | 4 25 |
| W10 | 23 28 | 2s19 | 1 47 | 17 50 | 4 29 | 24 16 | 1 0 | 23 27 | 0 31 | 15 26 | 0 59 | 20 14 | 1 31 | 0 6 | 0 42 | 10 4 | 1 47 | 4 28 | 13 41 | 4 13 | 4 8 | 4 18 | 0 27 | 4 26 |
| T 11 | 23 29 | 6 44 | 2 53 | 17 52 | 4 27 | 24 13 | 1 2 | 23 31 | 0 32 | 15 30 | 0 59 | 20 16 | 1 31 | 0 6 | 0 42 | 10 5 | 1 47 | 4 28 | 13 41 | 4 14 | 4 9 | 4 19 | 0 27 | 4 26 |
| F 12 | 23 30 | 10 48 | 3 49 | 17 55 | 4 23 | 24 9 | 1 4 | 23 35 | 0 32 | 15 33 | 0 59 | 20 17 | 1 31 | 0 7 | 0 42 | 10 5 | 1 47 | 4 28 | 13 41 | 4 16 | 4 10 | 4 21 | 0 27 | 4 26 |
| S 13 | 23 31 | 14 13 | 4 31 | 18 1 | 4 19 | 24 5 | 1 6 | 23 39 | 0 33 | 15 37 | 0 59 | 20 18 | 1 31 | 0 7 | 0 42 | 10 6 | 1 47 | 4 29 | 13 41 | 4 18 | 4 12 | 4 23 | 0 27 | 4 26 |
| S 14 | 23 31 | 16 46 | 4 55 | 18 8 | 4 14 | 24 0 | 1 7 | 23 43 | 0 33 | 15 40 | 0 59 | 20 19 | 1 31 | 0 7 | 0 42 | 10 6 | 1 47 | 4 29 | 13 41 | 4 22 | 4 13 | 4 25 | 0 27 | 4 26 |
| M15 | 23 31 | 18 15 | 5 1 | 18 16 | 4 7 | 23 54 | 1 9 | 23 46 | 0 34 | 15 44 | 0 59 | 20 20 | 1 31 | 0 7 | 0 42 | 10 7 | 1 47 | 4 29 | 13 41 | 4 26 | 4 14 | 4 27 | 0 27 | 4 27 |
| T 16 | 23 30 | 18 36 | 4 48 | 18 26 | 4 0 | 23 47 | 1 11 | 23 49 | 0 34 | 15 47 | 0 59 | 20 22 | 1 31 | 0 8 | 0 42 | 10 7 | 1 47 | 4 29 | 13 42 | 4 31 | 4 15 | 4 28 | 0 26 | 4 27 |
| W17 | 23 29 | 17 50 | 4 19 | 18 38 | 3 52 | 23 40 | 1 12 | 23 52 | 0 35 | 15 50 | 0 59 | 20 23 | 1 31 | 0 8 | 0 42 | 10 7 | 1 47 | 4 29 | 13 42 | 4 35 | 4 17 | 4 30 | 0 26 | 4 27 |
| T 18 | 23 28 | 16 5 | 3 36 | 18 50 | 3 43 | 23 32 | 1 14 | 23 55 | 0 35 | 15 54 | 0 59 | 20 24 | 1 31 | 0 8 | 0 42 | 10 8 | 1 47 | 4 29 | 13 42 | 4 38 | 4 18 | 4 32 | 0 26 | 4 27 |
| F 19 | 23 26 | 13 33 | 2 43 | 19 4 | 3 33 | 23 23 | 1 15 | 23 58 | 0 36 | 15 57 | 0 59 | 20 25 | 1 31 | 0 9 | 0 42 | 10 8 | 1 47 | 4 29 | 13 42 | 4 41 | 4 19 | 4 34 | 0 26 | 4 27 |
| S 20 | 23 24 | 10 27 | 1 43 | 19 19 | 3 23 | 23 14 | 1 17 | 24 0 | 0 36 | 16 0 | 0 59 | 20 26 | 1 31 | 0 9 | 0 42 | 10 9 | 1 48 | 4 29 | 13 42 | 4 42 | 4 20 | 4 36 | 0 26 | 4 27 |
| S 21 | 23 21 | 6 57 | 0 39 | 19 35 | 3 12 | 23 4 | 1 18 | 24 2 | 0 37 | 16 3 | 0 59 | 20 27 | 1 31 | 0 10 | 0 42 | 10 9 | 1 48 | 4 29 | 13 42 | 4 43 | 4 22 | 4 38 | 0 26 | 4 28 |
| M22 | 23 18 | 3 15 | 0s25 | 19 52 | 3 0 | 22 53 | 1 19 | 24 4 | 0 37 | 16 7 | 0 59 | 20 28 | 1 31 | 0 10 | 0 42 | 10 9 | 1 48 | 4 30 | 13 43 | 4 43 | 4 23 | 4 39 | 0 26 | 4 28 |
| T 23 | 23 14 | 0n32 | 1 27 | 20 9 | 2 48 | 22 42 | 1 20 | 24 6 | 0 38 | 16 10 | 1 0 | 20 29 | 1 31 | 0 11 | 0 42 | 10 10 | 1 48 | 4 30 | 13 43 | 4 43 | 4 24 | 4 41 | 0 26 | 4 28 |
| W24 | 23 10 | 4 17 | 2 25 | 20 26 | 2 36 | 22 30 | 1 22 | 24 8 | 0 39 | 16 13 | 1 0 | 20 30 | 1 31 | 0 11 | 0 42 | 10 10 | 1 48 | 4 30 | 13 43 | 4 43 | 4 25 | 4 43 | 0 26 | 4 28 |
| T 25 | 23 6 | 7 51 | 3 17 | 20 44 | 2 23 | 22 17 | 1 23 | 24 9 | 0 39 | 16 16 | 1 0 | 20 31 | 1 31 | 0 12 | 0 42 | 10 10 | 1 48 | 4 30 | 13 43 | 4 43 | 4 27 | 4 45 | 0 26 | 4 28 |
| F 26 | 23 1 | 11 9 | 4 1 | 21 2 | 2 10 | 22 3 | 1 24 | 24 10 | 0 40 | 16 19 | 1 0 | 20 32 | 1 31 | 0 12 | 0 42 | 10 11 | 1 48 | 4 30 | 13 43 | 4 45 | 4 28 | 4 47 | 0 26 | 4 29 |
| S 27 | 22 56 | 14 1 | 4 35 | 21 20 | 1 57 | 21 49 | 1 25 | 24 11 | 0 40 | 16 22 | 1 0 | 20 33 | 1 31 | 0 13 | 0 42 | 10 11 | 1 48 | 4 30 | 13 44 | 4 47 | 4 29 | 4 49 | 0 26 | 4 29 |
| S 28 | 22 51 | 16 18 | 4 56 | 21 38 | 1 44 | 21 35 | 1 26 | 24 12 | 0 41 | 16 25 | 1 0 | 20 34 | 1 31 | 0 13 | 0 42 | 10 11 | 1 48 | 4 30 | 13 44 | 4 50 | 4 30 | 4 50 | 0 26 | 4 29 |
| M29 | 22 45 | 17 53 | 5 4 | 21 55 | 1 30 | 21 20 | 1 27 | 24 12 | 0 41 | 16 28 | 1 0 | 20 35 | 1 31 | 0 14 | 0 42 | 10 11 | 1 48 | 4 30 | 13 44 | 4 54 | 4 32 | 4 52 | 0 27 | 4 29 |
| T 30 | 22n38 | 18n35 | 4s56 | 22n11 | 1s17 | 21n 4 | 1n28 | 24n12 | 0n42 | 16n31 | 1s 0 | 20n36 | 1s31 | 0s15 | 0n42 | 10n12 | 1s48 | 4n30 | 13s44 | 4n58 | 4n33 | 4n54 | 0s27 | 4n29 |

Julian Day Number = 2226349.5, Delta T = 08m19s
Ecliptic obliquity = 23°31'00, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'22, Lahiri = 15°15'22 Julian Calendar 1 June 1383 == Greg. Calendar 9 June 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## JULY 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 6 47 | 16♋13'29 | 13♋32 | 27♊50 | 3♌50 | 1♋42 | 18♉58 | 10♊43 | 2♎14 | 1♉ 5 | 19♉50 | 17°R17 | 18♍29 | 18♈38 | 18°R27 | W 1 |
| T 2 | 19 10 44 | 17°10'44 | 27° 1 | 29°25 | 5° 3 | 2°21 | 19° 9 | 10°50 | 2°15 | 1° 6 | 19°51 | 17♍ 8 | 18°26 | 18°45 | 18♓26 | T 2 |
| F 3 | 19 14 40 | 18° 8'00 | 10♌42 | 1♋ 4 | 6°17 | 3° 1 | 19°19 | 10°57 | 2°17 | 1° 6 | 19°52 | 17° 1 | 18°23 | 18°51 | 18°25 | F 3 |
| S 4 | 19 18 37 | 19° 5'17 | 24°34 | 2°47 | 7°30 | 3°41 | 19°30 | 11° 4 | 2°18 | 1° 7 | 19°52 | 16°56 | 18°19 | 18°58 | 18°24 | S 4 |
| S 5 | 19 22 33 | 20° 2'33 | 8♍34 | 4°33 | 8°43 | 4°20 | 19°40 | 11°10 | 2°20 | 1° 8 | 19°53 | 16°54 | 18°16 | 19° 5 | 18°23 | S 5 |
| M 6 | 19 26 30 | 20°59'50 | 22°38 | 6°23 | 9°57 | 5° 0 | 19°50 | 11°17 | 2°22 | 1° 9 | 19°54 | 16°D54 | 18°13 | 19°11 | 18°22 | M 6 |
| T 7 | 19 30 27 | 21°57'08 | 6♎46 | 8°15 | 11°10 | 5°40 | 20° 0 | 11°24 | 2°24 | 1° 9 | 19°55 | 16°55 | 18°10 | 19°18 | 18°21 | T 7 |
| W 8 | 19 34 23 | 22°54'25 | 20°55 | 10°10 | 12°24 | 6°19 | 20°10 | 11°30 | 2°25 | 1°10 | 19°55 | 16°R56 | 18° 7 | 19°25 | 18°19 | W 8 |
| T 9 | 19 38 20 | 23°51'43 | 5♏ 5 | 12° 8 | 13°37 | 6°59 | 20°19 | 11°37 | 2°27 | 1°11 | 19°56 | 16°55 | 18° 4 | 19°31 | 18°18 | T 9 |
| F 10 | 19 42 16 | 24°49'02 | 19°13 | 14° 8 | 14°51 | 7°38 | 20°29 | 11°43 | 2°29 | 1°11 | 19°57 | 16°53 | 18° 0 | 19°38 | 18°17 | F 10 |
| S 11 | 19 46 13 | 25°46'21 | 3♐18 | 16° 9 | 16° 4 | 8°17 | 20°39 | 11°50 | 2°31 | 1°12 | 19°57 | 16°48 | 17°57 | 19°45 | 18°15 | S 11 |
| S 12 | 19 50 9 | 26°43'41 | 17°17 | 18°12 | 17°17 | 8°57 | 20°48 | 11°56 | 2°33 | 1°12 | 19°58 | 16°42 | 17°54 | 19°51 | 18°14 | S 12 |
| M13 | 19 54 6 | 27°41'01 | 1♑ 7 | 20°16 | 18°31 | 9°36 | 20°57 | 12° 2 | 2°35 | 1°13 | 19°59 | 16°34 | 17°51 | 19°58 | 18°12 | M13 |
| T 14 | 19 58 2 | 28°38'22 | 14°44 | 22°21 | 19°44 | 10°15 | 21° 6 | 12° 8 | 2°37 | 1°13 | 19°59 | 16°26 | 17°48 | 20° 5 | 18°11 | T 14 |
| W15 | 20 1 59 | 29°35'44 | 28° 5 | 24°27 | 20°57 | 10°55 | 21°15 | 12°15 | 2°40 | 1°14 | 20° 0 | 16°19 | 17°45 | 20°11 | 18° 9 | W15 |
| T 16 | 20 5 56 | 0♌33'07 | 11♒10 | 26°32 | 22°11 | 11°34 | 21°24 | 12°21 | 2°42 | 1°14 | 20° 0 | 16°13 | 17°41 | 20°18 | 18° 8 | T 16 |
| F 17 | 20 9 52 | 1°30'30 | 23°57 | 28°38 | 23°24 | 12°13 | 21°33 | 12°27 | 2°44 | 1°15 | 20° 1 | 16° 9 | 17°38 | 20°25 | 18° 6 | F 17 |
| S 18 | 20 13 49 | 2°27'55 | 6♓26 | 0♌43 | 24°37 | 12°52 | 21°42 | 12°33 | 2°46 | 1°15 | 20° 2 | 16° 7 | 17°35 | 20°31 | 18° 4 | S 18 |
| S 19 | 20 17 45 | 3°25'21 | 18°41 | 2°47 | 25°51 | 13°31 | 21°50 | 12°39 | 2°49 | 1°15 | 20° 2 | 16°D 6 | 17°32 | 20°38 | 18° 3 | S 19 |
| M20 | 20 21 42 | 4°22'48 | 0♈42 | 4°51 | 27° 4 | 14°10 | 21°59 | 12°45 | 2°51 | 1°15 | 20° 3 | 16° 7 | 17°29 | 20°45 | 18° 1 | M20 |
| T 21 | 20 25 38 | 5°20'16 | 12°36 | 6°54 | 28°17 | 14°49 | 22° 7 | 12°50 | 2°53 | 1°16 | 20° 3 | 16° 8 | 17°25 | 20°51 | 17°59 | T 21 |
| W22 | 20 29 35 | 6°17'45 | 24°26 | 8°56 | 29°30 | 15°28 | 22°15 | 12°56 | 2°56 | 1°16 | 20° 3 | 16°10 | 17°22 | 20°58 | 17°57 | W22 |
| T 23 | 20 33 31 | 7°15'16 | 6♉17 | 10°57 | 0♍44 | 16° 7 | 22°23 | 13° 2 | 2°58 | 1°16 | 20° 4 | 16°R11 | 17°19 | 21° 5 | 17°55 | T 23 |
| F 24 | 20 37 28 | 8°12'49 | 18°15 | 12°57 | 1°57 | 16°46 | 22°31 | 13° 7 | 3° 1 | 1°16 | 20° 4 | 16°10 | 17°16 | 21°11 | 17°53 | F 24 |
| S 25 | 20 41 25 | 9°10'22 | 0♊23 | 14°55 | 3°10 | 17°25 | 22°39 | 13°13 | 3° 3 | 1°16 | 20° 5 | 16° 8 | 17°13 | 21°18 | 17°51 | S 25 |
| S 26 | 20 45 21 | 10° 7'58 | 12°48 | 16°52 | 4°23 | 18° 4 | 22°46 | 13°18 | 3° 6 | 1°16 | 20° 5 | 16° 4 | 17°10 | 21°25 | 17°49 | S 26 |
| M27 | 20 49 18 | 11° 5'35 | 25°31 | 18°47 | 5°37 | 18°43 | 22°54 | 13°24 | 3° 9 | 1°16 | 20° 5 | 16° 0 | 17° 6 | 21°31 | 17°47 | M27 |
| T 28 | 20 53 14 | 12° 3'13 | 8♋35 | 20°41 | 6°50 | 19°21 | 23° 1 | 13°29 | 3°11 | 1°R16 | 20° 6 | 15°54 | 17° 3 | 21°38 | 17°45 | T 28 |
| W29 | 20 57 11 | 13° 0'53 | 22° 1 | 22°34 | 8° 3 | 20° 0 | 23° 8 | 13°34 | 3°14 | 1°16 | 20° 6 | 15°49 | 17° 0 | 21°45 | 17°43 | W29 |
| T 30 | 21 1 7 | 13°58'34 | 5♌47 | 24°25 | 9°16 | 20°39 | 23°15 | 13°40 | 3°17 | 1°16 | 20° 6 | 15°44 | 16°57 | 21°51 | 17°41 | T 30 |
| F 31 | 21 5 4 | 14♌56'16 | 19♌51 | 26♌15 | 10♍29 | 21♋17 | 23♉22 | 13♊45 | 3♎19 | 1♉16 | 20♉ 7 | 15♍41 | 16♍54 | 21♈58 | 17♓38 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n32 | 18n18 | 4s33 | 22n26 | 1s 4 | 20n47 | 1n28 | 24n13 | 0n42 | 16n33 | 1s 0 | 20n37 | 1s31 | 0s15 | 0n42 | 10n12 | 1s48 | 4n30 | 13s44 | 5n 2 | 4n34 | 4n56 | 0s27 | 4n29 |
| T 2 | 22 25 | 17 0 | 3 54 | 22 41 | 0 50 | 20 30 | 1 29 | 24 12 | 0 43 | 16 36 | 1 0 | 20 38 | 1 31 | 0 16 | 0 42 | 10 12 | 1 48 | 4 30 | 13 45 | 5 6 | 4 35 | 4 58 | 0 27 | 4 30 |
| F 3 | 22 17 | 14 42 | 3 1 | 22 54 | 0 37 | 20 13 | 1 30 | 24 12 | 0 43 | 16 39 | 1 0 | 20 39 | 1 31 | 0 16 | 0 42 | 10 12 | 1 48 | 4 30 | 13 45 | 5 9 | 4 37 | 4 59 | 0 27 | 4 30 |
| S 4 | 22 9 | 11 32 | 1 57 | 23 5 | 0 24 | 19 55 | 1 30 | 24 12 | 0 44 | 16 42 | 1 0 | 20 40 | 1 31 | 0 17 | 0 41 | 10 13 | 1 48 | 4 30 | 13 45 | 5 10 | 4 38 | 5 1 | 0 28 | 4 30 |
| S 5 | 22 1 | 7 42 | 0 45 | 23 15 | 0 11 | 19 36 | 1 31 | 24 11 | 0 44 | 16 44 | 1 0 | 20 41 | 1 31 | 0 18 | 0 41 | 10 13 | 1 48 | 4 30 | 13 45 | 5 11 | 4 39 | 5 3 | 0 28 | 4 30 |
| M 6 | 21 52 | 3 24 | 0n31 | 23 22 | 0n 1 | 19 17 | 1 31 | 24 10 | 0 45 | 16 47 | 1 0 | 20 42 | 1 31 | 0 19 | 0 41 | 10 13 | 1 48 | 4 30 | 13 45 | 5 11 | 4 40 | 5 5 | 0 28 | 4 30 |
| T 7 | 21 43 | 1s 6 | 1 45 | 23 28 | 0 13 | 18 57 | 1 32 | 24 9 | 0 45 | 16 50 | 1 1 | 20 43 | 1 31 | 0 19 | 0 41 | 10 13 | 1 49 | 4 30 | 13 46 | 5 11 | 4 42 | 5 7 | 0 29 | 4 30 |
| W 8 | 21 34 | 5 32 | 2 52 | 23 31 | 0 24 | 18 36 | 1 32 | 24 8 | 0 46 | 16 52 | 1 1 | 20 44 | 1 31 | 0 20 | 0 41 | 10 13 | 1 49 | 4 30 | 13 46 | 5 11 | 4 43 | 5 9 | 0 29 | 4 31 |
| T 9 | 21 24 | 9 39 | 3 49 | 23 32 | 0 35 | 18 16 | 1 32 | 24 6 | 0 46 | 16 55 | 1 1 | 20 44 | 1 31 | 0 21 | 0 41 | 10 13 | 1 49 | 4 30 | 13 46 | 5 11 | 4 44 | 5 10 | 0 29 | 4 31 |
| F 10 | 21 14 | 13 13 | 4 32 | 23 30 | 0 45 | 17 54 | 1 32 | 24 4 | 0 47 | 16 57 | 1 1 | 20 45 | 1 31 | 0 22 | 0 41 | 10 14 | 1 49 | 4 30 | 13 46 | 5 12 | 4 45 | 5 12 | 0 30 | 4 31 |
| S 11 | 21 4 | 16 0 | 4 59 | 23 26 | 0 54 | 17 32 | 1 32 | 24 2 | 0 47 | 16 59 | 1 1 | 20 46 | 1 31 | 0 23 | 0 41 | 10 14 | 1 49 | 4 30 | 13 46 | 5 14 | 4 47 | 5 14 | 0 30 | 4 31 |
| S 12 | 20 53 | 17 49 | 5 7 | 23 19 | 1 3 | 17 10 | 1 32 | 24 0 | 0 48 | 17 2 | 1 1 | 20 47 | 1 31 | 0 23 | 0 41 | 10 14 | 1 49 | 4 30 | 13 47 | 5 16 | 4 48 | 5 16 | 0 31 | 4 31 |
| M13 | 20 42 | 18 33 | 4 57 | 23 9 | 1 11 | 16 47 | 1 32 | 23 58 | 0 48 | 17 4 | 1 1 | 20 48 | 1 32 | 0 24 | 0 41 | 10 14 | 1 49 | 4 30 | 13 47 | 5 19 | 4 49 | 5 18 | 0 31 | 4 31 |
| T 14 | 20 30 | 18 13 | 4 31 | 22 56 | 1 18 | 16 24 | 1 32 | 23 56 | 0 49 | 17 7 | 1 1 | 20 48 | 1 32 | 0 25 | 0 41 | 10 14 | 1 49 | 4 29 | 13 47 | 5 22 | 4 50 | 5 19 | 0 31 | 4 31 |
| W15 | 20 18 | 16 51 | 3 50 | 22 41 | 1 24 | 16 1 | 1 32 | 23 53 | 0 49 | 17 9 | 1 1 | 20 49 | 1 32 | 0 26 | 0 41 | 10 14 | 1 49 | 4 29 | 13 47 | 5 25 | 4 52 | 5 21 | 0 32 | 4 32 |
| T 16 | 20 6 | 14 38 | 2 58 | 22 23 | 1 30 | 15 37 | 1 32 | 23 50 | 0 50 | 17 11 | 1 1 | 20 50 | 1 32 | 0 27 | 0 41 | 10 14 | 1 49 | 4 29 | 13 48 | 5 27 | 4 53 | 5 23 | 0 32 | 4 32 |
| F 17 | 19 53 | 11 44 | 1 57 | 22 2 | 1 34 | 15 12 | 1 31 | 23 47 | 0 50 | 17 13 | 1 1 | 20 51 | 1 32 | 0 28 | 0 41 | 10 14 | 1 49 | 4 29 | 13 48 | 5 29 | 4 54 | 5 25 | 0 33 | 4 32 |
| S 18 | 19 40 | 8 22 | 0 52 | 21 40 | 1 38 | 14 47 | 1 31 | 23 44 | 0 51 | 17 15 | 1 2 | 20 51 | 1 32 | 0 29 | 0 41 | 10 14 | 1 49 | 4 29 | 13 48 | 5 30 | 4 55 | 5 27 | 0 34 | 4 32 |
| S 19 | 19 27 | 4 42 | 0s14 | 21 15 | 1 41 | 14 22 | 1 31 | 23 40 | 0 51 | 17 18 | 1 2 | 20 52 | 1 32 | 0 30 | 0 41 | 10 14 | 1 49 | 4 29 | 13 48 | 5 30 | 4 57 | 5 28 | 0 34 | 4 32 |
| M20 | 19 14 | 0 55 | 1 19 | 20 47 | 1 44 | 13 56 | 1 30 | 23 37 | 0 52 | 17 20 | 1 2 | 20 53 | 1 32 | 0 31 | 0 41 | 10 14 | 1 49 | 4 29 | 13 49 | 5 30 | 4 58 | 5 30 | 0 35 | 4 32 |
| T 21 | 19 0 | 2n52 | 2 19 | 20 18 | 1 45 | 13 30 | 1 29 | 23 33 | 0 52 | 17 22 | 1 2 | 20 54 | 1 32 | 0 32 | 0 41 | 10 14 | 1 49 | 4 29 | 13 49 | 5 29 | 4 59 | 5 32 | 0 35 | 4 32 |
| W22 | 18 46 | 6 30 | 3 13 | 19 47 | 1 46 | 13 4 | 1 29 | 23 29 | 0 53 | 17 24 | 1 2 | 20 54 | 1 32 | 0 33 | 0 41 | 10 14 | 1 49 | 4 29 | 13 49 | 5 29 | 5 0 | 5 34 | 0 36 | 4 32 |
| T 23 | 18 31 | 9 53 | 4 0 | 19 15 | 1 47 | 12 37 | 1 28 | 23 25 | 0 53 | 17 26 | 1 2 | 20 55 | 1 32 | 0 34 | 0 41 | 10 14 | 1 49 | 4 28 | 13 49 | 5 28 | 5 2 | 5 36 | 0 37 | 4 33 |
| F 24 | 18 16 | 12 54 | 4 36 | 18 41 | 1 46 | 12 10 | 1 27 | 23 21 | 0 53 | 17 27 | 1 2 | 20 55 | 1 32 | 0 35 | 0 41 | 10 14 | 1 50 | 4 28 | 13 50 | 5 28 | 5 3 | 5 38 | 0 37 | 4 33 |
| S 25 | 18 1 | 15 24 | 5 0 | 18 5 | 1 45 | 11 43 | 1 26 | 23 16 | 0 54 | 17 29 | 1 2 | 20 56 | 1 32 | 0 36 | 0 41 | 10 14 | 1 50 | 4 28 | 13 50 | 5 29 | 5 4 | 5 39 | 0 38 | 4 33 |
| S 26 | 17 46 | 17 16 | 5 11 | 17 29 | 1 43 | 11 15 | 1 25 | 23 12 | 0 54 | 17 31 | 1 2 | 20 57 | 1 32 | 0 37 | 0 41 | 10 14 | 1 50 | 4 28 | 13 50 | 5 31 | 5 5 | 5 41 | 0 39 | 4 33 |
| M27 | 17 30 | 18 19 | 5 7 | 16 51 | 1 41 | 10 47 | 1 24 | 23 7 | 0 55 | 17 33 | 1 3 | 20 57 | 1 32 | 0 38 | 0 41 | 10 14 | 1 50 | 4 28 | 13 50 | 5 33 | 5 6 | 5 43 | 0 39 | 4 33 |
| T 28 | 17 14 | 18 27 | 4 48 | 16 12 | 1 39 | 10 19 | 1 23 | 23 2 | 0 55 | 17 35 | 1 3 | 20 58 | 1 32 | 0 39 | 0 41 | 10 14 | 1 50 | 4 28 | 13 51 | 5 35 | 5 8 | 5 45 | 0 40 | 4 33 |
| W29 | 16 58 | 17 34 | 4 12 | 15 32 | 1 35 | 9 51 | 1 22 | 22 56 | 0 56 | 17 36 | 1 3 | 20 58 | 1 32 | 0 40 | 0 41 | 10 14 | 1 50 | 4 28 | 13 51 | 5 37 | 5 9 | 5 47 | 0 41 | 4 33 |
| T 30 | 16 41 | 15 38 | 3 21 | 14 52 | 1 32 | 9 22 | 1 21 | 22 51 | 0 56 | 17 38 | 1 3 | 20 59 | 1 32 | 0 41 | 0 41 | 10 14 | 1 50 | 4 27 | 13 51 | 5 38 | 5 10 | 5 48 | 0 42 | 4 33 |
| F 31 | 16n24 | 12n45 | 2s17 | 14n11 | 1n28 | 8n53 | 1n19 | 22n46 | 0n57 | 17n40 | 1s 3 | 21n 0 | 1s33 | 0s42 | 0n41 | 10n14 | 1s50 | 4n27 | 13s51 | 5n40 | 5n11 | 5n50 | 0s42 | 4n33 |

Julian Day Number = 2226379.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'00, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'26, Lahiri = 15°15'27 Julian Calendar 1 July 1383 == Greg. Calendar 9 July 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## AUGUST 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 9 0 | 15♌54'00 | 4♍ 8 | 28♌ 3 | 11♍42 | 21♋56 | 23♉29 | 13♊50 | 3♎22 | 1°R16 | 20♉ 7 | 15°R39 | 16♍50 | 22♈ 5 | 17°R36 | S 1 |
| S 2 | 21 12 57 | 16°51'45 | 18°33 | 29°50 | 12°55 | 22°35 | 23°35 | 13°55 | 3°25 | 1♉16 | 20° 7 | 15°D39 | 16°47 | 22°11 | 17♓34 | S 2 |
| M 3 | 21 16 54 | 17°49'31 | 3♎ 2 | 1♍36 | 14° 9 | 23°13 | 23°42 | 14° 0 | 3°28 | 1°16 | 20° 7 | 15♍39 | 16°44 | 22°18 | 17°31 | M 3 |
| T 4 | 21 20 50 | 18°47'18 | 17°29 | 3°20 | 15°22 | 23°52 | 23°48 | 14° 4 | 3°31 | 1°15 | 20° 7 | 15°41 | 16°41 | 22°25 | 17°29 | T 4 |
| W 5 | 21 24 47 | 19°45'07 | 1♏50 | 5° 2 | 16°35 | 24°30 | 23°54 | 14° 9 | 3°34 | 1°15 | 20° 8 | 15°42 | 16°38 | 22°31 | 17°27 | W 5 |
| T 6 | 21 28 43 | 20°42'56 | 16° 3 | 6°44 | 17°48 | 25° 9 | 24° 0 | 14°14 | 3°37 | 1°15 | 20° 8 | 15°R43 | 16°35 | 22°38 | 17°24 | T 6 |
| F 7 | 21 32 40 | 21°40'47 | 0♐ 6 | 8°24 | 19° 1 | 25°47 | 24° 5 | 14°18 | 3°40 | 1°15 | 20° 8 | 15°43 | 16°31 | 22°45 | 17°22 | F 7 |
| S 8 | 21 36 36 | 22°38'40 | 13°58 | 10° 2 | 20°14 | 26°26 | 24°11 | 14°23 | 3°43 | 1°14 | 20° 8 | 15°42 | 16°28 | 22°51 | 17°19 | S 8 |
| S 9 | 21 40 33 | 23°36'33 | 27°37 | 11°39 | 21°27 | 27° 4 | 24°16 | 14°27 | 3°46 | 1°14 | 20° 8 | 15°39 | 16°25 | 22°58 | 17°17 | S 9 |
| M10 | 21 44 29 | 24°34'28 | 11♑ 2 | 13°15 | 22°40 | 27°42 | 24°22 | 14°31 | 3°49 | 1°13 | 20° 8 | 15°37 | 16°22 | 23° 5 | 17°14 | M10 |
| T 11 | 21 48 26 | 25°32'24 | 24°14 | 14°50 | 23°53 | 28°21 | 24°27 | 14°36 | 3°52 | 1°13 | 20° 8 | 15°34 | 16°19 | 23°11 | 17°12 | T 11 |
| W12 | 21 52 23 | 26°30'22 | 7♒12 | 16°23 | 25° 6 | 28°59 | 24°32 | 14°40 | 3°55 | 1°12 | 20°R 8 | 15°31 | 16°16 | 23°18 | 17° 9 | W12 |
| T 13 | 21 56 19 | 27°28'21 | 19°56 | 17°55 | 26°18 | 29°37 | 24°36 | 14°44 | 3°59 | 1°12 | 20° 8 | 15°29 | 16°12 | 23°25 | 17° 7 | T 13 |
| F 14 | 22 0 16 | 28°26'22 | 2♓27 | 19°26 | 27°31 | 0♌15 | 24°41 | 14°48 | 4° 2 | 1°11 | 20° 8 | 15°27 | 16° 9 | 23°31 | 17° 4 | F 14 |
| S 15 | 22 4 12 | 29°24'24 | 14°44 | 20°55 | 28°44 | 0°53 | 24°45 | 14°52 | 4° 5 | 1°11 | 20° 8 | 15°D27 | 16° 6 | 23°38 | 17° 2 | S 15 |
| S 16 | 22 8 9 | 0♍22'28 | 26°51 | 22°23 | 29°57 | 1°31 | 24°49 | 14°55 | 4° 8 | 1°10 | 20° 8 | 15°27 | 16° 3 | 23°45 | 16°59 | S 16 |
| M17 | 22 12 5 | 1°20'34 | 8♈49 | 23°49 | 1♎10 | 2°10 | 24°53 | 14°59 | 4°12 | 1°10 | 20° 8 | 15°28 | 16° 0 | 23°52 | 16°56 | M17 |
| T 18 | 22 16 2 | 2°18'42 | 20°41 | 25°15 | 2°22 | 2°48 | 24°57 | 15° 3 | 4°15 | 1° 9 | 20° 8 | 15°29 | 15°56 | 23°58 | 16°54 | T 18 |
| W19 | 22 19 58 | 3°16'52 | 2♉30 | 26°38 | 3°35 | 3°26 | 25° 1 | 15° 6 | 4°18 | 1° 8 | 20° 8 | 15°30 | 15°53 | 24° 5 | 16°51 | W19 |
| T 20 | 22 23 55 | 4°15'03 | 14°21 | 28° 1 | 4°48 | 4° 4 | 25° 4 | 15° 9 | 4°22 | 1° 8 | 20° 8 | 15°31 | 15°50 | 24°12 | 16°48 | T 20 |
| F 21 | 22 27 51 | 5°13'17 | 26°18 | 29°22 | 6° 1 | 4°42 | 25° 8 | 15°13 | 4°25 | 1° 7 | 20° 7 | 15°32 | 15°47 | 24°18 | 16°45 | F 21 |
| S 22 | 22 31 48 | 6°11'33 | 8♊25 | 0♎41 | 7°13 | 5°19 | 25°11 | 15°16 | 4°29 | 1° 6 | 20° 7 | 15°R32 | 15°44 | 24°25 | 16°43 | S 22 |
| S 23 | 22 35 45 | 7° 9'51 | 20°48 | 1°59 | 8°26 | 5°57 | 25°14 | 15°19 | 4°32 | 1° 5 | 20° 7 | 15°32 | 15°41 | 24°32 | 16°40 | S 23 |
| M24 | 22 39 41 | 8° 8'12 | 3♋30 | 3°16 | 9°39 | 6°35 | 25°16 | 15°22 | 4°36 | 1° 4 | 20° 7 | 15°31 | 15°37 | 24°38 | 16°37 | M24 |
| T 25 | 22 43 38 | 9° 6'34 | 16°34 | 4°31 | 10°51 | 7°13 | 25°19 | 15°25 | 4°39 | 1° 3 | 20° 6 | 15°31 | 15°34 | 24°45 | 16°34 | T 25 |
| W26 | 22 47 34 | 10° 4'58 | 0♌ 3 | 5°44 | 12° 4 | 7°51 | 25°21 | 15°28 | 4°43 | 1° 3 | 20° 6 | 15°30 | 15°31 | 24°52 | 16°32 | W26 |
| T 27 | 22 51 31 | 11° 3'25 | 13°57 | 6°55 | 13°16 | 8°29 | 25°23 | 15°30 | 4°46 | 1° 2 | 20° 6 | 15°29 | 15°28 | 24°58 | 16°29 | T 27 |
| F 28 | 22 55 27 | 12° 1'53 | 28°15 | 8° 4 | 14°29 | 9° 6 | 25°25 | 15°33 | 4°50 | 1° 1 | 20° 6 | 15°29 | 15°25 | 25° 5 | 16°26 | F 28 |
| S 29 | 22 59 24 | 13° 0'24 | 12♍51 | 9°12 | 15°41 | 9°44 | 25°27 | 15°36 | 4°53 | 1° 0 | 20° 5 | 15°D29 | 15°22 | 25°12 | 16°23 | S 29 |
| S 30 | 23 3 20 | 13°58'56 | 27°40 | 10°17 | 16°54 | 10°22 | 25°29 | 15°38 | 4°57 | 0°59 | 20° 5 | 15°29 | 15°18 | 25°18 | 16°20 | S 30 |
| M31 | 23 7 17 | 14♍57'30 | 12♎34 | 11♎20 | 18♎ 6 | 10♌59 | 25♉30 | 15♊40 | 5♎ 0 | 0♉58 | 20♉ 5 | 15♍29 | 15♍15 | 25♈25 | 16♓18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 7 | 9n 3 | 1s 3 | 13n29 | 1n23 | 8n24 | 1n18 | 22n40 | 0n57 | 17n41 | 1s 3 | 21n 0 | 1s33 | 0s44 | 0n40 | 10n14 | 1s50 | 4n27 | 13s52 | 5n40 | 5n13 | 5n52 | 0s43 | 4n33 |
| S 2 | 15 50 | 4 47 | 0n16 | 12 47 | 1 18 | 7 54 | 1 16 | 22 34 | 0 58 | 17 43 | 1 3 | 21 1 | 1 33 | 0 45 | 0 40 | 10 14 | 1 50 | 4 27 | 13 52 | 5 41 | 5 14 | 5 54 | 0 44 | 4 33 |
| M 3 | 15 32 | 0 14 | 1 34 | 12 5 | 1 13 | 7 25 | 1 15 | 22 28 | 0 58 | 17 44 | 1 3 | 21 1 | 1 33 | 0 46 | 0 40 | 10 14 | 1 50 | 4 27 | 13 52 | 5 40 | 5 15 | 5 56 | 0 45 | 4 34 |
| T 4 | 15 15 | 4s20 | 2 46 | 11 22 | 1 7 | 6 55 | 1 13 | 22 22 | 0 59 | 17 46 | 1 3 | 21 2 | 1 33 | 0 47 | 0 40 | 10 14 | 1 50 | 4 26 | 13 52 | 5 40 | 5 16 | 5 57 | 0 46 | 4 34 |
| W 5 | 14 56 | 8 36 | 3 47 | 10 39 | 1 1 | 6 25 | 1 12 | 22 15 | 0 59 | 17 47 | 1 4 | 21 2 | 1 33 | 0 48 | 0 40 | 10 13 | 1 50 | 4 26 | 13 53 | 5 39 | 5 18 | 5 59 | 0 47 | 4 34 |
| T 6 | 14 38 | 12 20 | 4 34 | 9 55 | 0 55 | 5 55 | 1 10 | 22 9 | 0 59 | 17 48 | 1 4 | 21 3 | 1 33 | 0 50 | 0 40 | 10 13 | 1 50 | 4 26 | 13 53 | 5 39 | 5 19 | 6 1 | 0 47 | 4 34 |
| F 7 | 14 19 | 15 18 | 5 3 | 9 12 | 0 49 | 5 24 | 1 8 | 22 2 | 1 0 | 17 50 | 1 4 | 21 3 | 1 33 | 0 51 | 0 40 | 10 13 | 1 50 | 4 26 | 13 53 | 5 39 | 5 20 | 6 3 | 0 48 | 4 34 |
| S 8 | 14 1 | 17 21 | 5 15 | 8 29 | 0 42 | 4 54 | 1 6 | 21 55 | 1 0 | 17 51 | 1 4 | 21 3 | 1 33 | 0 52 | 0 40 | 10 13 | 1 50 | 4 26 | 13 53 | 5 40 | 5 21 | 6 5 | 0 49 | 4 34 |
| S 9 | 13 42 | 18 22 | 5 8 | 7 45 | 0 35 | 4 23 | 1 4 | 21 48 | 1 1 | 17 52 | 1 4 | 21 4 | 1 33 | 0 53 | 0 40 | 10 13 | 1 51 | 4 25 | 13 54 | 5 40 | 5 23 | 6 6 | 0 50 | 4 34 |
| M10 | 13 22 | 18 20 | 4 45 | 7 2 | 0 28 | 3 52 | 1 2 | 21 41 | 1 1 | 17 53 | 1 4 | 21 4 | 1 33 | 0 54 | 0 40 | 10 13 | 1 51 | 4 25 | 13 54 | 5 41 | 5 24 | 6 8 | 0 51 | 4 34 |
| T 11 | 13 3 | 17 18 | 4 6 | 6 18 | 0 20 | 3 22 | 1 0 | 21 34 | 1 2 | 17 54 | 1 4 | 21 5 | 1 33 | 0 56 | 0 40 | 10 12 | 1 51 | 4 25 | 13 54 | 5 43 | 5 25 | 6 10 | 0 52 | 4 34 |
| W12 | 12 43 | 15 22 | 3 16 | 5 35 | 0 13 | 2 51 | 0 58 | 21 27 | 1 2 | 17 55 | 1 4 | 21 5 | 1 33 | 0 57 | 0 40 | 10 12 | 1 51 | 4 25 | 13 55 | 5 44 | 5 26 | 6 12 | 0 53 | 4 34 |
| T 13 | 12 23 | 12 43 | 2 16 | 4 52 | 0 5 | 2 20 | 0 56 | 21 19 | 1 3 | 17 56 | 1 5 | 21 5 | 1 34 | 0 58 | 0 40 | 10 12 | 1 51 | 4 24 | 13 55 | 5 45 | 5 28 | 6 14 | 0 54 | 4 34 |
| F 14 | 12 3 | 9 32 | 1 11 | 4 9 | 0s 3 | 1 48 | 0 54 | 21 11 | 1 3 | 17 57 | 1 5 | 21 6 | 1 34 | 1 0 | 0 40 | 10 12 | 1 51 | 4 24 | 13 55 | 5 45 | 5 29 | 6 15 | 0 55 | 4 34 |
| S 15 | 11 43 | 5 58 | 0 4 | 3 27 | 0 11 | 1 17 | 0 51 | 21 3 | 1 3 | 17 58 | 1 5 | 21 6 | 1 34 | 1 1 | 0 40 | 10 11 | 1 51 | 4 24 | 13 55 | 5 45 | 5 30 | 6 17 | 0 56 | 4 34 |
| S 16 | 11 23 | 2 13 | 1s 3 | 2 45 | 0 19 | 0 46 | 0 49 | 20 55 | 1 4 | 17 59 | 1 5 | 21 6 | 1 34 | 1 2 | 0 40 | 10 11 | 1 51 | 4 24 | 13 56 | 5 45 | 5 31 | 6 19 | 0 57 | 4 34 |
| M17 | 11 2 | 1n35 | 2 6 | 2 3 | 0 27 | 0 15 | 0 46 | 20 47 | 1 4 | 18 0 | 1 5 | 21 7 | 1 34 | 1 4 | 0 40 | 10 11 | 1 51 | 4 23 | 13 56 | 5 45 | 5 33 | 6 21 | 0 58 | 4 34 |
| T 18 | 10 41 | 5 16 | 3 3 | 1 21 | 0 36 | 0s16 | 0 44 | 20 39 | 1 5 | 18 1 | 1 5 | 21 7 | 1 34 | 1 5 | 0 40 | 10 11 | 1 51 | 4 23 | 13 56 | 5 44 | 5 34 | 6 23 | 0 59 | 4 34 |
| W19 | 10 20 | 8 45 | 3 52 | 0 40 | 0 44 | 0 48 | 0 41 | 20 30 | 1 5 | 18 2 | 1 5 | 21 7 | 1 34 | 1 6 | 0 40 | 10 10 | 1 51 | 4 23 | 13 56 | 5 44 | 5 35 | 6 24 | 1 0 | 4 34 |
| T 20 | 9 59 | 11 52 | 4 32 | 0s 0 | 0 52 | 1 19 | 0 39 | 20 22 | 1 6 | 18 2 | 1 5 | 21 8 | 1 34 | 1 8 | 0 40 | 10 10 | 1 51 | 4 22 | 13 57 | 5 43 | 5 36 | 6 26 | 1 1 | 4 34 |
| F 21 | 9 38 | 14 32 | 5 0 | 0 41 | 1 1 | 1 50 | 0 36 | 20 13 | 1 6 | 18 3 | 1 6 | 21 8 | 1 34 | 1 9 | 0 40 | 10 10 | 1 51 | 4 22 | 13 57 | 5 43 | 5 37 | 6 28 | 1 2 | 4 34 |
| S 22 | 9 16 | 16 36 | 5 15 | 1 20 | 1 9 | 2 22 | 0 34 | 20 4 | 1 6 | 18 4 | 1 6 | 21 8 | 1 34 | 1 10 | 0 40 | 10 9 | 1 51 | 4 22 | 13 57 | 5 43 | 5 39 | 6 30 | 1 3 | 4 34 |
| S 23 | 8 54 | 17 57 | 5 16 | 1 59 | 1 18 | 2 53 | 0 31 | 19 55 | 1 7 | 18 4 | 1 6 | 21 8 | 1 34 | 1 12 | 0 40 | 10 9 | 1 51 | 4 22 | 13 57 | 5 43 | 5 40 | 6 32 | 1 4 | 4 34 |
| M24 | 8 33 | 18 26 | 5 2 | 2 37 | 1 26 | 3 24 | 0 28 | 19 46 | 1 7 | 18 5 | 1 6 | 21 9 | 1 35 | 1 13 | 0 40 | 10 9 | 1 51 | 4 21 | 13 58 | 5 44 | 5 41 | 6 33 | 1 5 | 4 34 |
| T 25 | 8 11 | 17 59 | 4 32 | 3 15 | 1 35 | 3 55 | 0 25 | 19 37 | 1 8 | 18 5 | 1 6 | 21 9 | 1 35 | 1 15 | 0 40 | 10 8 | 1 51 | 4 21 | 13 58 | 5 44 | 5 42 | 6 35 | 1 7 | 4 34 |
| W26 | 7 49 | 16 31 | 3 47 | 3 52 | 1 43 | 4 26 | 0 22 | 19 28 | 1 8 | 18 6 | 1 6 | 21 9 | 1 35 | 1 16 | 0 40 | 10 8 | 1 51 | 4 21 | 13 58 | 5 44 | 5 44 | 6 37 | 1 8 | 4 34 |
| T 27 | 7 27 | 14 2 | 2 46 | 4 28 | 1 52 | 4 57 | 0 20 | 19 18 | 1 9 | 18 6 | 1 6 | 21 9 | 1 35 | 1 17 | 0 40 | 10 8 | 1 52 | 4 20 | 13 58 | 5 44 | 5 45 | 6 39 | 1 9 | 4 34 |
| F 28 | 7 4 | 10 39 | 1 34 | 5 3 | 2 0 | 5 28 | 0 17 | 19 9 | 1 9 | 18 6 | 1 6 | 21 10 | 1 35 | 1 19 | 0 40 | 10 7 | 1 52 | 4 20 | 13 59 | 5 44 | 5 46 | 6 41 | 1 10 | 4 34 |
| S 29 | 6 42 | 6 32 | 0 15 | 5 37 | 2 8 | 5 59 | 0 14 | 18 59 | 1 9 | 18 7 | 1 7 | 21 10 | 1 35 | 1 20 | 0 40 | 10 7 | 1 52 | 4 20 | 13 59 | 5 44 | 5 47 | 6 42 | 1 11 | 4 34 |
| S 30 | 6 19 | 1 58 | 1n 7 | 6 11 | 2 17 | 6 30 | 0 11 | 18 49 | 1 10 | 18 7 | 1 7 | 21 10 | 1 35 | 1 22 | 0 40 | 10 6 | 1 52 | 4 19 | 13 59 | 5 44 | 5 49 | 6 44 | 1 12 | 4 34 |
| M31 | 5n57 | 2s45 | 2n25 | 6s43 | 2s25 | 7s 0 | 0n 8 | 18n39 | 1n10 | 18n 7 | 1s 7 | 21n10 | 1s35 | 1s23 | 0n40 | 10n 6 | 1s52 | 4n19 | 13s59 | 5n44 | 5n50 | 6n46 | 1s13 | 4n34 |

Julian Day Number = 2226410.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'30, Lahiri = 15°15'31 Julian Calendar 1 Aug. 1383 == Greg. Calendar 9 Aug. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## SEPTEMBER 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 11 14 | 15♍56'06 | 27♎25 | 12♎21 | 19♎19 | 11♌37 | 25♉31 | 15♊42 | 5♎ 4 | 0°R57 | 20°R 4 | 15°R29 | 15♍12 | 25♈32 | 16°R15 | T 1 |
| W 2 | 23 15 10 | 16°54'44 | 12♏ 7 | 13°19 | 20°31 | 12°15 | 25°32 | 15°45 | 5° 8 | 0♉55 | 20♉ 4 | 15♍29 | 15° 9 | 25°38 | 16♓12 | W 2 |
| T 3 | 23 19 7 | 17°53'24 | 26°34 | 14°15 | 21°44 | 12°52 | 25°33 | 15°46 | 5°11 | 0°54 | 20° 3 | 15°29 | 15° 6 | 25°45 | 16° 9 | T 3 |
| F 4 | 23 23 3 | 18°52'05 | 10♐43 | 15° 7 | 22°56 | 13°30 | 25°34 | 15°48 | 5°15 | 0°53 | 20° 3 | 15°29 | 15° 2 | 25°52 | 16° 6 | F 4 |
| S 5 | 23 27 0 | 19°50'48 | 24°31 | 15°56 | 24° 8 | 14° 7 | 25°34 | 15°50 | 5°19 | 0°52 | 20° 2 | 15°D29 | 14°59 | 25°58 | 16° 4 | S 5 |
| S 6 | 23 30 56 | 20°49'32 | 8♑ 0 | 16°42 | 25°20 | 14°44 | 25°R34 | 15°52 | 5°22 | 0°51 | 20° 2 | 15°29 | 14°56 | 26° 5 | 16° 1 | S 6 |
| M 7 | 23 34 53 | 21°48'19 | 21°10 | 17°25 | 26°33 | 15°22 | 25°34 | 15°53 | 5°26 | 0°50 | 20° 1 | 15°29 | 14°53 | 26°12 | 15°58 | M 7 |
| T 8 | 23 38 49 | 22°47'07 | 4♒ 2 | 18° 3 | 27°45 | 15°59 | 25°34 | 15°55 | 5°30 | 0°48 | 20° 1 | 15°30 | 14°50 | 26°18 | 15°55 | T 8 |
| W 9 | 23 42 46 | 23°45'57 | 16°40 | 18°37 | 28°57 | 16°36 | 25°33 | 15°56 | 5°33 | 0°47 | 20° 0 | 15°31 | 14°47 | 26°25 | 15°52 | W 9 |
| T 10 | 23 46 43 | 24°44'49 | 29° 5 | 19° 6 | 0♏ 9 | 17°14 | 25°33 | 15°57 | 5°37 | 0°46 | 20° 0 | 15°31 | 14°43 | 26°32 | 15°50 | T 10 |
| F 11 | 23 50 39 | 25°43'42 | 11♓20 | 19°30 | 1°21 | 17°51 | 25°32 | 15°58 | 5°41 | 0°45 | 19°59 | 15°R32 | 14°40 | 26°38 | 15°47 | F 11 |
| S 12 | 23 54 36 | 26°42'38 | 23°25 | 19°49 | 2°33 | 18°28 | 25°31 | 15°59 | 5°45 | 0°43 | 19°59 | 15°32 | 14°37 | 26°45 | 15°44 | S 12 |
| S 13 | 23 58 32 | 27°41'36 | 5♈24 | 20° 2 | 3°45 | 19° 5 | 25°30 | 16° 0 | 5°48 | 0°42 | 19°58 | 15°31 | 14°34 | 26°52 | 15°42 | S 13 |
| M14 | 0 2 29 | 28°40'35 | 17°17 | 20°R 8 | 4°57 | 19°42 | 25°28 | 16° 1 | 5°52 | 0°41 | 19°57 | 15°30 | 14°31 | 26°58 | 15°39 | M14 |
| T 15 | 0 6 25 | 29°39'37 | 29° 7 | 20° 8 | 6° 9 | 20°20 | 25°26 | 16° 2 | 5°56 | 0°39 | 19°57 | 15°28 | 14°27 | 27° 5 | 15°36 | T 15 |
| W16 | 0 10 22 | 0♎38'41 | 10♉56 | 20° 0 | 7°21 | 20°57 | 25°25 | 16° 2 | 6° 0 | 0°38 | 19°56 | 15°25 | 14°24 | 27°12 | 15°33 | W16 |
| T 17 | 0 14 18 | 1°37'48 | 22°48 | 19°45 | 8°33 | 21°34 | 25°23 | 16° 3 | 6° 3 | 0°36 | 19°55 | 15°23 | 14°21 | 27°18 | 15°31 | T 17 |
| F 18 | 0 18 15 | 2°36'56 | 4♊45 | 19°23 | 9°45 | 22°11 | 25°20 | 16° 3 | 6° 7 | 0°35 | 19°55 | 15°21 | 14°18 | 27°25 | 15°28 | F 18 |
| S 19 | 0 22 11 | 3°36'07 | 16°51 | 18°52 | 10°57 | 22°48 | 25°18 | 16° 3 | 6°11 | 0°34 | 19°54 | 15°19 | 14°15 | 27°32 | 15°25 | S 19 |
| S 20 | 0 26 8 | 4°35'21 | 29°11 | 18°14 | 12° 8 | 23°25 | 25°15 | 16° 3 | 6°15 | 0°32 | 19°53 | 15°D18 | 14°12 | 27°39 | 15°23 | S 20 |
| M21 | 0 30 5 | 5°34'37 | 11♋48 | 17°28 | 13°20 | 24° 1 | 25°12 | 16°R 3 | 6°18 | 0°31 | 19°52 | 15°18 | 14° 8 | 27°45 | 15°20 | M21 |
| T 22 | 0 34 1 | 6°33'55 | 24°46 | 16°34 | 14°32 | 24°38 | 25° 9 | 16° 3 | 6°22 | 0°29 | 19°52 | 15°19 | 14° 5 | 27°52 | 15°18 | T 22 |
| W23 | 0 37 58 | 7°33'15 | 8♌ 9 | 15°34 | 15°43 | 25°15 | 25° 6 | 16° 3 | 6°26 | 0°28 | 19°51 | 15°20 | 14° 2 | 27°59 | 15°15 | W23 |
| T 24 | 0 41 54 | 8°32'38 | 21°58 | 14°29 | 16°55 | 25°52 | 25° 3 | 16° 3 | 6°30 | 0°26 | 19°50 | 15°22 | 13°59 | 28° 5 | 15°13 | T 24 |
| F 25 | 0 45 51 | 9°32'03 | 6♍15 | 13°19 | 18° 6 | 26°29 | 24°59 | 16° 2 | 6°34 | 0°25 | 19°49 | 15°23 | 13°56 | 28°12 | 15°10 | F 25 |
| S 26 | 0 49 47 | 10°31'30 | 20°57 | 12° 7 | 19°18 | 27° 5 | 24°55 | 16° 2 | 6°37 | 0°23 | 19°48 | 15°R23 | 13°53 | 28°19 | 15° 8 | S 26 |
| S 27 | 0 53 44 | 11°31'00 | 5♎57 | 10°55 | 20°29 | 27°42 | 24°51 | 16° 1 | 6°41 | 0°21 | 19°48 | 15°22 | 13°49 | 28°25 | 15° 5 | S 27 |
| M28 | 0 57 40 | 12°30'31 | 21° 8 | 9°44 | 21°41 | 28°19 | 24°47 | 16° 0 | 6°45 | 0°20 | 19°47 | 15°20 | 13°46 | 28°32 | 15° 3 | M28 |
| T 29 | 1 1 37 | 13°30'05 | 6♏20 | 8°36 | 22°52 | 28°55 | 24°43 | 15°59 | 6°49 | 0°18 | 19°46 | 15°16 | 13°43 | 28°39 | 15° 0 | T 29 |
| W30 | 1 5 34 | 14♎29'40 | 21♏24 | 7♎35 | 24♏ 3 | 29♌32 | 24♉38 | 15♊58 | 6♎52 | 0♉17 | 19♉45 | 15♍12 | 13♍40 | 28♈45 | 14♓58 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n34 | 7s17 | 3n33 | 7s14 | 2s32 | 7s31 | 0n 4 | 18n29 | 1n11 | 18n 7 | 1s 7 | 21n10 | 1s35 | 1s25 | 0n40 | 10n 6 | 1s52 | 4n19 | 14s 0 | 5n44 | 5n51 | 6n48 | 1s14 | 4n34 |
| W 2 | 5 11 | 11 18 | 4 26 | 7 44 | 2 40 | 8 1 | 0 1 | 18 19 | 1 11 | 18 7 | 1 7 | 21 10 | 1 35 | 1 26 | 0 40 | 10 5 | 1 52 | 4 18 | 14 0 | 5 44 | 5 52 | 6 49 | 1 16 | 4 34 |
| T 3 | 4 48 | 14 35 | 5 1 | 8 12 | 2 47 | 8 31 | 0s 2 | 18 9 | 1 11 | 18 7 | 1 7 | 21 10 | 1 35 | 1 28 | 0 40 | 10 5 | 1 52 | 4 18 | 14 0 | 5 45 | 5 53 | 6 51 | 1 17 | 4 34 |
| F 4 | 4 25 | 16 54 | 5 17 | 8 39 | 2 55 | 9 1 | 0 5 | 17 58 | 1 12 | 18 7 | 1 7 | 21 10 | 1 36 | 1 29 | 0 40 | 10 4 | 1 52 | 4 18 | 14 0 | 5 45 | 5 55 | 6 53 | 1 18 | 4 33 |
| S 5 | 4 2 | 18 11 | 5 14 | 9 5 | 3 1 | 9 31 | 0 8 | 17 48 | 1 12 | 18 7 | 1 7 | 21 11 | 1 36 | 1 31 | 0 40 | 10 4 | 1 52 | 4 17 | 14 0 | 5 45 | 5 56 | 6 55 | 1 19 | 4 33 |
| S 6 | 3 39 | 18 23 | 4 54 | 9 28 | 3 8 | 10 1 | 0 11 | 17 37 | 1 13 | 18 7 | 1 8 | 21 11 | 1 36 | 1 32 | 0 40 | 10 3 | 1 52 | 4 17 | 14 1 | 5 44 | 5 57 | 6 57 | 1 20 | 4 33 |
| M 7 | 3 16 | 17 36 | 4 18 | 9 50 | 3 14 | 10 30 | 0 15 | 17 27 | 1 13 | 18 7 | 1 8 | 21 11 | 1 36 | 1 33 | 0 40 | 10 3 | 1 52 | 4 17 | 14 1 | 5 44 | 5 58 | 6 58 | 1 21 | 4 33 |
| T 8 | 2 52 | 15 54 | 3 31 | 10 10 | 3 20 | 10 59 | 0 18 | 17 16 | 1 14 | 18 7 | 1 8 | 21 11 | 1 36 | 1 35 | 0 40 | 10 2 | 1 52 | 4 16 | 14 1 | 5 44 | 6 0 | 7 0 | 1 22 | 4 33 |
| W 9 | 2 29 | 13 27 | 2 33 | 10 28 | 3 25 | 11 28 | 0 21 | 17 5 | 1 14 | 18 7 | 1 8 | 21 11 | 1 36 | 1 36 | 0 40 | 10 2 | 1 52 | 4 16 | 14 1 | 5 44 | 6 1 | 7 2 | 1 24 | 4 33 |
| T 10 | 2 6 | 10 25 | 1 30 | 10 43 | 3 29 | 11 57 | 0 24 | 16 54 | 1 14 | 18 7 | 1 8 | 21 11 | 1 36 | 1 38 | 0 40 | 10 2 | 1 52 | 4 16 | 14 2 | 5 43 | 6 2 | 7 4 | 1 25 | 4 33 |
| F 11 | 1 42 | 6 59 | 0 23 | 10 56 | 3 33 | 12 25 | 0 28 | 16 43 | 1 15 | 18 6 | 1 8 | 21 11 | 1 36 | 1 39 | 0 40 | 10 1 | 1 52 | 4 15 | 14 2 | 5 43 | 6 3 | 7 6 | 1 26 | 4 33 |
| S 12 | 1 19 | 3 17 | 0s44 | 11 6 | 3 36 | 12 53 | 0 31 | 16 32 | 1 15 | 18 6 | 1 8 | 21 11 | 1 36 | 1 41 | 0 40 | 10 1 | 1 52 | 4 15 | 14 2 | 5 43 | 6 5 | 7 7 | 1 27 | 4 33 |
| S 13 | 0 55 | 0n30 | 1 48 | 11 13 | 3 38 | 13 21 | 0 34 | 16 21 | 1 16 | 18 5 | 1 8 | 21 11 | 1 36 | 1 42 | 0 40 | 10 0 | 1 52 | 4 15 | 14 2 | 5 44 | 6 6 | 7 9 | 1 28 | 4 33 |
| M14 | 0 32 | 4 14 | 2 47 | 11 17 | 3 40 | 13 49 | 0 38 | 16 9 | 1 16 | 18 5 | 1 8 | 21 11 | 1 37 | 1 44 | 0 40 | 10 0 | 1 52 | 4 14 | 14 2 | 5 44 | 6 7 | 7 11 | 1 29 | 4 32 |
| T 15 | 0 8 | 7 47 | 3 39 | 11 17 | 3 40 | 14 16 | 0 41 | 15 58 | 1 16 | 18 5 | 1 9 | 21 11 | 1 37 | 1 45 | 0 40 | 9 59 | 1 52 | 4 14 | 14 3 | 5 45 | 6 8 | 7 13 | 1 31 | 4 32 |
| W16 | 0s15 | 11 2 | 4 21 | 11 13 | 3 39 | 14 43 | 0 45 | 15 46 | 1 17 | 18 4 | 1 9 | 21 11 | 1 37 | 1 47 | 0 40 | 9 59 | 1 52 | 4 14 | 14 3 | 5 46 | 6 9 | 7 14 | 1 32 | 4 32 |
| T 17 | 0 39 | 13 50 | 4 52 | 11 5 | 3 37 | 15 9 | 0 48 | 15 35 | 1 17 | 18 3 | 1 9 | 21 11 | 1 37 | 1 48 | 0 40 | 9 58 | 1 52 | 4 13 | 14 3 | 5 47 | 6 11 | 7 16 | 1 33 | 4 32 |
| F 18 | 1 3 | 16 4 | 5 10 | 10 53 | 3 33 | 15 36 | 0 51 | 15 23 | 1 18 | 18 3 | 1 9 | 21 11 | 1 37 | 1 50 | 0 40 | 9 57 | 1 52 | 4 13 | 14 3 | 5 48 | 6 12 | 7 18 | 1 34 | 4 32 |
| S 19 | 1 26 | 17 38 | 5 16 | 10 36 | 3 27 | 16 1 | 0 55 | 15 11 | 1 18 | 18 2 | 1 9 | 21 11 | 1 37 | 1 51 | 0 40 | 9 57 | 1 52 | 4 12 | 14 3 | 5 48 | 6 13 | 7 20 | 1 35 | 4 32 |
| S 20 | 1 50 | 18 24 | 5 7 | 10 15 | 3 20 | 16 27 | 0 58 | 15 0 | 1 18 | 18 1 | 1 9 | 21 10 | 1 37 | 1 53 | 0 40 | 9 56 | 1 53 | 4 12 | 14 4 | 5 49 | 6 14 | 7 22 | 1 36 | 4 32 |
| M21 | 2 13 | 18 18 | 4 43 | 9 49 | 3 11 | 16 52 | 1 1 | 14 48 | 1 19 | 18 1 | 1 9 | 21 10 | 1 37 | 1 54 | 0 40 | 9 56 | 1 53 | 4 12 | 14 4 | 5 49 | 6 16 | 7 23 | 1 38 | 4 31 |
| T 22 | 2 37 | 17 14 | 4 4 | 9 18 | 3 0 | 17 17 | 1 5 | 14 36 | 1 19 | 18 0 | 1 9 | 21 10 | 1 37 | 1 56 | 0 40 | 9 55 | 1 53 | 4 11 | 14 4 | 5 48 | 6 17 | 7 25 | 1 39 | 4 31 |
| W23 | 3 0 | 15 13 | 3 11 | 8 43 | 2 47 | 17 41 | 1 8 | 14 24 | 1 19 | 17 59 | 1 9 | 21 10 | 1 37 | 1 57 | 0 40 | 9 55 | 1 53 | 4 11 | 14 4 | 5 48 | 6 18 | 7 27 | 1 40 | 4 31 |
| T 24 | 3 24 | 12 15 | 2 5 | 8 4 | 2 33 | 18 5 | 1 11 | 14 11 | 1 20 | 17 58 | 1 9 | 21 10 | 1 38 | 1 59 | 0 40 | 9 54 | 1 53 | 4 11 | 14 4 | 5 47 | 6 19 | 7 29 | 1 41 | 4 31 |
| F 25 | 3 47 | 8 28 | 0 50 | 7 22 | 2 16 | 18 28 | 1 15 | 13 59 | 1 20 | 17 57 | 1 9 | 21 10 | 1 38 | 2 0 | 0 40 | 9 54 | 1 53 | 4 10 | 14 4 | 5 47 | 6 21 | 7 30 | 1 42 | 4 31 |
| S 26 | 4 11 | 4 4 | 0n31 | 6 37 | 1 59 | 18 51 | 1 18 | 13 47 | 1 21 | 17 56 | 1 10 | 21 10 | 1 38 | 2 2 | 0 40 | 9 53 | 1 53 | 4 10 | 14 5 | 5 47 | 6 22 | 7 32 | 1 43 | 4 31 |
| S 27 | 4 34 | 0s41 | 1 51 | 5 51 | 1 39 | 19 14 | 1 21 | 13 35 | 1 21 | 17 55 | 1 10 | 21 10 | 1 38 | 2 3 | 0 40 | 9 52 | 1 53 | 4 10 | 14 5 | 5 47 | 6 23 | 7 34 | 1 44 | 4 30 |
| M28 | 4 57 | 5 26 | 3 4 | 5 5 | 1 19 | 19 36 | 1 24 | 13 22 | 1 21 | 17 54 | 1 10 | 21 9 | 1 38 | 2 5 | 0 40 | 9 52 | 1 53 | 4 9 | 14 5 | 5 48 | 6 24 | 7 36 | 1 45 | 4 30 |
| T 29 | 5 21 | 9 50 | 4 4 | 4 19 | 0 59 | 19 58 | 1 28 | 13 10 | 1 22 | 17 53 | 1 10 | 21 9 | 1 38 | 2 6 | 0 40 | 9 51 | 1 53 | 4 9 | 14 5 | 5 49 | 6 25 | 7 38 | 1 46 | 4 30 |
| W30 | 5s44 | 13s33 | 4n47 | 3s36 | 0s38 | 20s19 | 1s31 | 12n57 | 1n22 | 17n52 | 1s10 | 21n 9 | 1s38 | 2s 8 | 0n40 | 9n51 | 1s53 | 4n 9 | 14s 5 | 5n51 | 6n27 | 7n39 | 1s48 | 4n30 |

Julian Day Number = 2226441.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'35, Lahiri = 15°15'35 Julian Calendar 1 Sept. 1383 == Greg. Calendar 9 Sept. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## OCTOBER 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 9 30 | 15♎29'18 | 6♐ 9 | 6°R40 | 25♏15 | 0♍ 8 | 24°R34 | 15°R57 | 6♎56 | 0°R15 | 19°R44 | 15°R 8 | 13♍37 | 28♈52 | 14°R56 | T 1 |
| F 2 | 1 13 27 | 16°28'57 | 20°31 | 5♎55 | 26°26 | 0°45 | 24♉29 | 15♊56 | 7° 0 | 0♉13 | 19♉43 | 15♍ 4 | 13°33 | 28°59 | 14♓53 | F 2 |
| S 3 | 1 17 23 | 17°28'38 | 4♑27 | 5°20 | 27°37 | 1°21 | 24°24 | 15°55 | 7° 4 | 0°12 | 19°42 | 15° 2 | 13°30 | 29° 5 | 14°51 | S 3 |
| S 4 | 1 21 20 | 18°28'21 | 17°56 | 4°55 | 28°48 | 1°58 | 24°18 | 15°53 | 7° 7 | 0°10 | 19°41 | 15°D 1 | 13°27 | 29°12 | 14°49 | S 4 |
| M 5 | 1 25 16 | 19°28'05 | 1♒ 1 | 4°42 | 29°59 | 2°34 | 24°13 | 15°52 | 7°11 | 0° 8 | 19°40 | 15° 2 | 13°24 | 29°19 | 14°47 | M 5 |
| T 6 | 1 29 13 | 20°27'51 | 13°44 | 4°D40 | 1♐10 | 3°10 | 24° 8 | 15°50 | 7°15 | 0° 7 | 19°39 | 15° 3 | 13°21 | 29°25 | 14°45 | T 6 |
| W 7 | 1 33 9 | 21°27'39 | 26° 9 | 4°49 | 2°21 | 3°46 | 24° 2 | 15°48 | 7°19 | 0° 5 | 19°38 | 15° 5 | 13°18 | 29°32 | 14°43 | W 7 |
| T 8 | 1 37 6 | 22°27'29 | 8♓21 | 5° 9 | 3°32 | 4°23 | 23°56 | 15°47 | 7°22 | 0° 3 | 19°37 | 15° 6 | 13°14 | 29°39 | 14°41 | T 8 |
| F 9 | 1 41 3 | 23°27'20 | 20°24 | 5°38 | 4°43 | 4°59 | 23°50 | 15°45 | 7°26 | 0° 2 | 19°36 | 15°R 6 | 13°11 | 29°46 | 14°38 | F 9 |
| S 10 | 1 44 59 | 24°27'13 | 2♈20 | 6°17 | 5°53 | 5°35 | 23°44 | 15°42 | 7°30 | 0° 0 | 19°35 | 15° 5 | 13° 8 | 29°52 | 14°36 | S 10 |
| S 11 | 1 48 56 | 25°27'08 | 14°12 | 7° 4 | 7° 4 | 6°11 | 23°37 | 15°40 | 7°33 | 29♈58 | 19°34 | 15° 1 | 13° 5 | 29°59 | 14°35 | S 11 |
| M12 | 1 52 52 | 26°27'05 | 26° 2 | 7°59 | 8°15 | 6°47 | 23°31 | 15°38 | 7°37 | 29°57 | 19°33 | 14°55 | 13° 2 | 0♉ 6 | 14°33 | M12 |
| T 13 | 1 56 49 | 27°27'04 | 7♉52 | 9° 0 | 9°25 | 7°23 | 23°24 | 15°36 | 7°41 | 29°55 | 19°32 | 14°48 | 12°58 | 0°12 | 14°31 | T 13 |
| W14 | 2 0 45 | 28°27'05 | 19°45 | 10° 8 | 10°35 | 7°59 | 23°18 | 15°33 | 7°44 | 29°53 | 19°31 | 14°40 | 12°55 | 0°19 | 14°29 | W14 |
| T 15 | 2 4 42 | 29°27'08 | 1♊40 | 11°20 | 11°46 | 8°35 | 23°11 | 15°31 | 7°48 | 29°52 | 19°30 | 14°31 | 12°52 | 0°26 | 14°27 | T 15 |
| F 16 | 2 8 38 | 0♏27'13 | 13°42 | 12°36 | 12°56 | 9°11 | 23° 4 | 15°28 | 7°51 | 29°50 | 19°29 | 14°23 | 12°49 | 0°32 | 14°25 | F 16 |
| S 17 | 2 12 35 | 1°27'20 | 25°51 | 13°56 | 14° 6 | 9°47 | 22°57 | 15°25 | 7°55 | 29°48 | 19°28 | 14°16 | 12°46 | 0°39 | 14°24 | S 17 |
| S 18 | 2 16 31 | 2°27'29 | 8♋11 | 15°20 | 15°16 | 10°22 | 22°50 | 15°22 | 7°58 | 29°47 | 19°27 | 14°11 | 12°43 | 0°46 | 14°22 | S 18 |
| M19 | 2 20 28 | 3°27'40 | 20°46 | 16°46 | 16°26 | 10°58 | 22°43 | 15°19 | 8° 2 | 29°45 | 19°26 | 14° 8 | 12°39 | 0°52 | 14°21 | M19 |
| T 20 | 2 24 25 | 4°27'54 | 3♌38 | 18°14 | 17°36 | 11°34 | 22°35 | 15°16 | 8° 5 | 29°43 | 19°25 | 14°D 7 | 12°36 | 0°59 | 14°19 | T 20 |
| W21 | 2 28 21 | 5°28'09 | 16°52 | 19°44 | 18°46 | 12° 9 | 22°28 | 15°13 | 8° 9 | 29°42 | 19°24 | 14° 7 | 12°33 | 1° 6 | 14°17 | W21 |
| T 22 | 2 32 18 | 6°28'26 | 0♍30 | 21°15 | 19°56 | 12°45 | 22°20 | 15°10 | 8°12 | 29°40 | 19°23 | 14° 8 | 12°30 | 1°12 | 14°16 | T 22 |
| F 23 | 2 36 14 | 7°28'46 | 14°35 | 22°48 | 21° 5 | 13°20 | 22°12 | 15° 7 | 8°16 | 29°38 | 19°22 | 14°R 9 | 12°27 | 1°19 | 14°15 | F 23 |
| S 24 | 2 40 11 | 8°29'07 | 29° 6 | 24°21 | 22°15 | 13°56 | 22° 5 | 15° 3 | 8°19 | 29°37 | 19°21 | 14° 8 | 12°24 | 1°26 | 14°13 | S 24 |
| S 25 | 2 44 7 | 9°29'31 | 14♎ 0 | 25°56 | 23°24 | 14°31 | 21°57 | 15° 0 | 8°23 | 29°35 | 19°19 | 14° 5 | 12°20 | 1°33 | 14°12 | S 25 |
| M26 | 2 48 4 | 10°29'56 | 29°11 | 27°31 | 24°34 | 15° 7 | 21°49 | 14°56 | 8°26 | 29°33 | 19°18 | 13°59 | 12°17 | 1°39 | 14°11 | M26 |
| T 27 | 2 52 0 | 11°30'23 | 14♏29 | 29° 6 | 25°43 | 15°42 | 21°41 | 14°53 | 8°29 | 29°32 | 19°17 | 13°51 | 12°14 | 1°46 | 14° 9 | T 27 |
| W28 | 2 55 57 | 12°30'52 | 29°43 | 0♏41 | 26°52 | 16°17 | 21°33 | 14°49 | 8°33 | 29°30 | 19°16 | 13°42 | 12°11 | 1°53 | 14° 8 | W28 |
| T 29 | 2 59 54 | 13°31'22 | 14♐42 | 2°17 | 28° 1 | 16°53 | 21°25 | 14°45 | 8°36 | 29°28 | 19°15 | 13°32 | 12° 8 | 1°59 | 14° 7 | T 29 |
| F 30 | 3 3 50 | 14°31'54 | 29°18 | 3°53 | 29°10 | 17°28 | 21°17 | 14°41 | 8°39 | 29°27 | 19°14 | 13°24 | 12° 4 | 2° 6 | 14° 6 | F 30 |
| S 31 | 3 7 47 | 15♏32'27 | 13♑25 | 5♏29 | 0♑19 | 18♍ 3 | 21♉ 9 | 14♊37 | 8♎42 | 29♈25 | 19♉13 | 13♍18 | 12♍ 1 | 2♉13 | 14♓ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s 7 | 16s20 | 5n 9 | 2s56 | 0s18 | 20s39 | 1s34 | 12n45 | 1n23 | 17n51 | 1s10 | 21n 9 | 1s38 | 2s 9 | 0n40 | 9n50 | 1s53 | 4n 8 | 14s 5 | 5n53 | 6n28 | 7n41 | 1s49 | 4n30 |
| F 2 | 6 30 | 18 0 | 5 12 | 2 20 | 0n 2 | 21 0 | 1 37 | 12 32 | 1 23 | 17 49 | 1 10 | 21 9 | 1 38 | 2 11 | 0 40 | 9 50 | 1 53 | 4 8 | 14 5 | 5 54 | 6 29 | 7 43 | 1 50 | 4 29 |
| S 3 | 6 53 | 18 31 | 4 55 | 1 48 | 0 21 | 21 19 | 1 40 | 12 20 | 1 23 | 17 48 | 1 10 | 21 8 | 1 38 | 2 12 | 0 40 | 9 49 | 1 53 | 4 7 | 14 6 | 5 55 | 6 30 | 7 45 | 1 51 | 4 29 |
| S 4 | 7 16 | 17 58 | 4 23 | 1 23 | 0 38 | 21 38 | 1 43 | 12 7 | 1 24 | 17 47 | 1 10 | 21 8 | 1 38 | 2 14 | 0 40 | 9 48 | 1 53 | 4 7 | 14 6 | 5 55 | 6 32 | 7 46 | 1 52 | 4 29 |
| M 5 | 7 39 | 16 27 | 3 38 | 1 3 | 0 54 | 21 57 | 1 46 | 11 54 | 1 24 | 17 45 | 1 10 | 21 8 | 1 38 | 2 15 | 0 40 | 9 48 | 1 53 | 4 7 | 14 6 | 5 55 | 6 33 | 7 48 | 1 53 | 4 29 |
| T 6 | 8 1 | 14 9 | 2 43 | 0 49 | 1 9 | 22 14 | 1 49 | 11 41 | 1 24 | 17 44 | 1 10 | 21 8 | 1 39 | 2 17 | 0 40 | 9 47 | 1 53 | 4 6 | 14 6 | 5 54 | 6 34 | 7 50 | 1 54 | 4 29 |
| W 7 | 8 24 | 11 15 | 1 42 | 0 41 | 1 21 | 22 32 | 1 52 | 11 28 | 1 25 | 17 42 | 1 10 | 21 7 | 1 39 | 2 18 | 0 40 | 9 47 | 1 53 | 4 6 | 14 6 | 5 54 | 6 35 | 7 52 | 1 55 | 4 28 |
| T 8 | 8 46 | 7 54 | 0 37 | 0 38 | 1 33 | 22 49 | 1 55 | 11 16 | 1 25 | 17 41 | 1 10 | 21 7 | 1 39 | 2 20 | 0 40 | 9 46 | 1 53 | 4 6 | 14 6 | 5 53 | 6 36 | 7 53 | 1 56 | 4 28 |
| F 9 | 9 8 | 4 15 | 0s29 | 0 41 | 1 42 | 23 5 | 1 58 | 11 3 | 1 26 | 17 40 | 1 10 | 21 7 | 1 39 | 2 21 | 0 40 | 9 45 | 1 53 | 4 5 | 14 6 | 5 53 | 6 38 | 7 55 | 1 57 | 4 28 |
| S 10 | 9 30 | 0 29 | 1 32 | 0 49 | 1 50 | 23 20 | 2 1 | 10 50 | 1 26 | 17 38 | 1 10 | 21 7 | 1 39 | 2 23 | 0 40 | 9 45 | 1 53 | 4 5 | 14 6 | 5 54 | 6 39 | 7 57 | 1 58 | 4 28 |
| S 11 | 9 52 | 3n17 | 2 31 | 1 2 | 1 57 | 23 35 | 2 3 | 10 37 | 1 26 | 17 36 | 1 10 | 21 6 | 1 39 | 2 24 | 0 40 | 9 44 | 1 53 | 4 5 | 14 6 | 5 55 | 6 40 | 7 59 | 1 59 | 4 27 |
| M12 | 10 14 | 6 55 | 3 24 | 1 19 | 2 2 | 23 50 | 2 6 | 10 24 | 1 27 | 17 35 | 1 10 | 21 6 | 1 39 | 2 25 | 0 40 | 9 44 | 1 53 | 4 4 | 14 7 | 5 57 | 6 41 | 8 1 | 2 0 | 4 27 |
| T 13 | 10 36 | 10 17 | 4 7 | 1 40 | 2 5 | 24 3 | 2 9 | 10 10 | 1 27 | 17 33 | 1 10 | 21 6 | 1 39 | 2 27 | 0 40 | 9 43 | 1 53 | 4 4 | 14 7 | 6 0 | 6 43 | 8 2 | 2 1 | 4 27 |
| W14 | 10 58 | 13 14 | 4 40 | 2 4 | 2 8 | 24 16 | 2 11 | 9 57 | 1 27 | 17 31 | 1 10 | 21 5 | 1 39 | 2 28 | 0 40 | 9 42 | 1 53 | 4 4 | 14 7 | 6 4 | 6 44 | 8 4 | 2 2 | 4 27 |
| T 15 | 11 19 | 15 40 | 5 0 | 2 31 | 2 9 | 24 29 | 2 14 | 9 44 | 1 28 | 17 30 | 1 10 | 21 5 | 1 39 | 2 30 | 0 40 | 9 42 | 1 53 | 4 3 | 14 7 | 6 7 | 6 45 | 8 6 | 2 2 | 4 26 |
| F 16 | 11 40 | 17 26 | 5 8 | 3 0 | 2 9 | 24 40 | 2 16 | 9 31 | 1 28 | 17 28 | 1 10 | 21 5 | 1 39 | 2 31 | 0 40 | 9 41 | 1 53 | 4 3 | 14 7 | 6 10 | 6 46 | 8 8 | 2 3 | 4 26 |
| S 17 | 12 1 | 18 26 | 5 2 | 3 32 | 2 9 | 24 51 | 2 18 | 9 18 | 1 29 | 17 26 | 1 10 | 21 4 | 1 39 | 2 33 | 0 40 | 9 41 | 1 53 | 4 3 | 14 7 | 6 13 | 6 47 | 8 9 | 2 4 | 4 26 |
| S 18 | 12 22 | 18 35 | 4 41 | 4 6 | 2 8 | 25 2 | 2 21 | 9 4 | 1 29 | 17 24 | 1 10 | 21 4 | 1 39 | 2 34 | 0 40 | 9 40 | 1 53 | 4 2 | 14 7 | 6 15 | 6 49 | 8 11 | 2 5 | 4 26 |
| M19 | 12 43 | 17 50 | 4 8 | 4 41 | 2 5 | 25 12 | 2 23 | 8 51 | 1 29 | 17 23 | 1 10 | 21 4 | 1 39 | 2 35 | 0 40 | 9 40 | 1 53 | 4 2 | 14 7 | 6 16 | 6 50 | 8 13 | 2 6 | 4 25 |
| T 20 | 13 3 | 16 9 | 3 20 | 5 17 | 2 3 | 25 21 | 2 25 | 8 38 | 1 30 | 17 21 | 1 10 | 21 3 | 1 39 | 2 37 | 0 40 | 9 39 | 1 53 | 4 2 | 14 7 | 6 16 | 6 51 | 8 15 | 2 7 | 4 25 |
| W21 | 13 23 | 13 35 | 2 21 | 5 54 | 1 59 | 25 29 | 2 27 | 8 25 | 1 30 | 17 19 | 1 10 | 21 3 | 1 39 | 2 38 | 0 40 | 9 38 | 1 53 | 4 1 | 14 7 | 6 16 | 6 52 | 8 16 | 2 8 | 4 25 |
| T 22 | 13 43 | 10 12 | 1 13 | 6 32 | 1 55 | 25 37 | 2 29 | 8 11 | 1 30 | 17 17 | 1 10 | 21 2 | 1 39 | 2 39 | 0 40 | 9 38 | 1 53 | 4 1 | 14 7 | 6 16 | 6 54 | 8 18 | 2 8 | 4 25 |
| F 23 | 14 3 | 6 8 | 0n 2 | 7 11 | 1 51 | 25 43 | 2 31 | 7 58 | 1 31 | 17 15 | 1 10 | 21 2 | 1 39 | 2 41 | 0 40 | 9 37 | 1 53 | 4 1 | 14 7 | 6 15 | 6 55 | 8 20 | 2 9 | 4 24 |
| S 24 | 14 23 | 1 34 | 1 19 | 7 50 | 1 46 | 25 50 | 2 33 | 7 45 | 1 31 | 17 13 | 1 10 | 21 2 | 1 40 | 2 42 | 0 40 | 9 37 | 1 53 | 4 0 | 14 7 | 6 16 | 6 56 | 8 22 | 2 10 | 4 24 |
| S 25 | 14 42 | 3s11 | 2 33 | 8 29 | 1 41 | 25 55 | 2 34 | 7 31 | 1 32 | 17 11 | 1 10 | 21 1 | 1 40 | 2 43 | 0 40 | 9 36 | 1 53 | 4 0 | 14 7 | 6 17 | 6 57 | 8 23 | 2 11 | 4 24 |
| M26 | 15 1 | 7 50 | 3 37 | 9 8 | 1 36 | 26 0 | 2 36 | 7 18 | 1 32 | 17 9 | 1 10 | 21 1 | 1 40 | 2 45 | 0 40 | 9 35 | 1 53 | 4 0 | 14 7 | 6 19 | 6 58 | 8 25 | 2 11 | 4 24 |
| T 27 | 15 20 | 12 0 | 4 26 | 9 47 | 1 30 | 26 4 | 2 37 | 7 4 | 1 32 | 17 7 | 1 10 | 21 0 | 1 40 | 2 46 | 0 40 | 9 35 | 1 53 | 3 59 | 14 7 | 6 22 | 7 0 | 8 27 | 2 12 | 4 23 |
| W28 | 15 39 | 15 20 | 4 56 | 10 26 | 1 24 | 26 8 | 2 39 | 6 51 | 1 33 | 17 5 | 1 10 | 21 0 | 1 40 | 2 47 | 0 40 | 9 34 | 1 53 | 3 59 | 14 7 | 6 26 | 7 1 | 8 29 | 2 13 | 4 23 |
| T 29 | 15 57 | 17 36 | 5 4 | 11 5 | 1 18 | 26 10 | 2 40 | 6 38 | 1 33 | 17 3 | 1 10 | 21 0 | 1 40 | 2 49 | 0 40 | 9 34 | 1 53 | 3 59 | 14 7 | 6 29 | 7 2 | 8 30 | 2 14 | 4 23 |
| F 30 | 16 15 | 18 38 | 4 53 | 11 44 | 1 11 | 26 12 | 2 41 | 6 24 | 1 33 | 17 1 | 1 10 | 20 59 | 1 40 | 2 50 | 0 40 | 9 33 | 1 53 | 3 59 | 14 7 | 6 33 | 7 3 | 8 32 | 2 14 | 4 22 |
| S 31 | 16s33 | 18s28 | 4n24 | 12s22 | 1n 5 | 26s13 | 2s42 | 6n11 | 1n34 | 16n59 | 1s10 | 20n59 | 1s40 | 2s51 | 0n40 | 9n33 | 1s53 | 3n58 | 14s 7 | 6n35 | 7n 4 | 8n34 | 2s15 | 4n22 |

Julian Day Number = 2226471.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'39, Lahiri = 15°15'39 Julian Calendar 1 Oct. 1383 == Greg. Calendar 9 Oct. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## NOVEMBER 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 11 43 | 16♏33'02 | 27♑ 2 | 7♏ 5 | 1♑27 | 18♍38 | 21°R 1 | 14°R33 | 8♎46 | 29°R23 | 19°R12 | 13°R13 | 11♍58 | 2♉19 | 14°R 4 | S 1 |
| M 2 | 3 15 40 | 17°33'37 | 10♒10 | 8°41 | 2°36 | 19°13 | 20♉53 | 14♊29 | 8°49 | 29♈22 | 19♉11 | 13♍12 | 11°55 | 2°26 | 14♓ 3 | M 2 |
| T 3 | 3 19 36 | 18°34'14 | 22°53 | 10°17 | 3°44 | 19°48 | 20°44 | 14°25 | 8°52 | 29°20 | 19° 9 | 13°D11 | 11°52 | 2°33 | 14° 3 | T 3 |
| W 4 | 3 23 33 | 19°34'52 | 5♓16 | 11°52 | 4°53 | 20°23 | 20°36 | 14°21 | 8°55 | 29°19 | 19° 8 | 13°12 | 11°49 | 2°39 | 14° 2 | W 4 |
| T 5 | 3 27 29 | 20°35'31 | 17°23 | 13°28 | 6° 1 | 20°57 | 20°28 | 14°16 | 8°58 | 29°17 | 19° 7 | 13°R12 | 11°45 | 2°46 | 14° 1 | T 5 |
| F 6 | 3 31 26 | 21°36'12 | 29°19 | 15° 3 | 7° 8 | 21°32 | 20°20 | 14°12 | 9° 1 | 29°16 | 19° 6 | 13°11 | 11°42 | 2°53 | 14° 0 | F 6 |
| S 7 | 3 35 23 | 22°36'53 | 11♈10 | 16°39 | 8°16 | 22° 7 | 20°12 | 14° 8 | 9° 4 | 29°14 | 19° 5 | 13° 7 | 11°39 | 3° 0 | 14° 0 | S 7 |
| S 8 | 3 39 19 | 23°37'36 | 22°59 | 18°14 | 9°24 | 22°41 | 20° 4 | 14° 3 | 9° 7 | 29°13 | 19° 4 | 13° 0 | 11°36 | 3° 6 | 13°59 | S 8 |
| M 9 | 3 43 16 | 24°38'20 | 4♉49 | 19°49 | 10°31 | 23°16 | 19°55 | 13°59 | 9°10 | 29°11 | 19° 3 | 12°51 | 11°33 | 3°13 | 13°59 | M 9 |
| T 10 | 3 47 12 | 25°39'05 | 16°42 | 21°24 | 11°38 | 23°50 | 19°47 | 13°54 | 9°13 | 29°10 | 19° 1 | 12°39 | 11°30 | 3°20 | 13°58 | T 10 |
| W11 | 3 51 9 | 26°39'52 | 28°40 | 22°58 | 12°45 | 24°25 | 19°39 | 13°50 | 9°16 | 29° 8 | 19° 0 | 12°26 | 11°26 | 3°26 | 13°58 | W11 |
| T 12 | 3 55 5 | 27°40'39 | 10♊45 | 24°33 | 13°52 | 24°59 | 19°31 | 13°45 | 9°19 | 29° 7 | 18°59 | 12°11 | 11°23 | 3°33 | 13°58 | T 12 |
| F 13 | 3 59 2 | 28°41'29 | 22°56 | 26° 8 | 14°59 | 25°33 | 19°23 | 13°40 | 9°21 | 29° 5 | 18°58 | 11°58 | 11°20 | 3°40 | 13°57 | F 13 |
| S 14 | 4 2 58 | 29°42'19 | 5♋16 | 27°42 | 16° 5 | 26° 8 | 19°15 | 13°36 | 9°24 | 29° 4 | 18°57 | 11°46 | 11°17 | 3°46 | 13°57 | S 14 |
| S 15 | 4 6 55 | 0♐43'11 | 17°45 | 29°17 | 17°12 | 26°42 | 19° 7 | 13°31 | 9°27 | 29° 3 | 18°56 | 11°37 | 11°14 | 3°53 | 13°57 | S 15 |
| M16 | 4 10 52 | 1°44'04 | 0♌25 | 0♐51 | 18°18 | 27°16 | 19° 0 | 13°26 | 9°30 | 29° 1 | 18°55 | 11°30 | 11°10 | 4° 0 | 13°57 | M16 |
| T 17 | 4 14 48 | 2°44'58 | 13°19 | 2°25 | 19°23 | 27°50 | 18°52 | 13°21 | 9°32 | 29° 0 | 18°54 | 11°27 | 11° 7 | 4° 6 | 13°D57 | T 17 |
| W18 | 4 18 45 | 3°45'54 | 26°29 | 3°59 | 20°29 | 28°24 | 18°44 | 13°16 | 9°35 | 28°59 | 18°53 | 11°26 | 11° 4 | 4°13 | 13°57 | W18 |
| T 19 | 4 22 41 | 4°46'51 | 9♍59 | 5°34 | 21°34 | 28°57 | 18°37 | 13°12 | 9°37 | 28°57 | 18°52 | 11°26 | 11° 1 | 4°20 | 13°57 | T 19 |
| F 20 | 4 26 38 | 5°47'49 | 23°50 | 7° 8 | 22°39 | 29°31 | 18°29 | 13° 7 | 9°40 | 28°56 | 18°50 | 11°25 | 10°58 | 4°27 | 13°57 | F 20 |
| S 21 | 4 30 34 | 6°48'49 | 8♎ 5 | 8°42 | 23°44 | 0♎ 5 | 18°22 | 13° 2 | 9°42 | 28°55 | 18°49 | 11°23 | 10°55 | 4°33 | 13°57 | S 21 |
| S 22 | 4 34 31 | 7°49'50 | 22°40 | 10°16 | 24°49 | 0°39 | 18°14 | 12°57 | 9°45 | 28°53 | 18°48 | 11°19 | 10°51 | 4°40 | 13°58 | S 22 |
| M23 | 4 38 27 | 8°50'52 | 7♏34 | 11°51 | 25°53 | 1°12 | 18° 7 | 12°52 | 9°47 | 28°52 | 18°47 | 11°12 | 10°48 | 4°47 | 13°58 | M23 |
| T 24 | 4 42 24 | 9°51'55 | 22°38 | 13°25 | 26°57 | 1°46 | 18° 0 | 12°47 | 9°50 | 28°51 | 18°46 | 11° 2 | 10°45 | 4°53 | 13°58 | T 24 |
| W25 | 4 46 21 | 10°52'59 | 7♐44 | 15° 0 | 28° 1 | 2°19 | 17°53 | 12°42 | 9°52 | 28°50 | 18°45 | 10°50 | 10°42 | 5° 0 | 13°59 | W25 |
| T 26 | 4 50 17 | 11°54'04 | 22°41 | 16°34 | 29° 4 | 2°52 | 17°46 | 12°37 | 9°54 | 28°49 | 18°44 | 10°38 | 10°39 | 5° 7 | 13°59 | T 26 |
| F 27 | 4 54 14 | 12°55'09 | 7♑19 | 18° 9 | 0♒ 8 | 3°25 | 17°40 | 12°32 | 9°56 | 28°48 | 18°43 | 10°27 | 10°36 | 5°13 | 14° 0 | F 27 |
| S 28 | 4 58 10 | 13°56'15 | 21°31 | 19°44 | 1°10 | 3°58 | 17°33 | 12°27 | 9°59 | 28°47 | 18°42 | 10°18 | 10°32 | 5°20 | 14° 0 | S 28 |
| S 29 | 5 2 7 | 14°57'22 | 5♒15 | 21°18 | 2°13 | 4°31 | 17°27 | 12°22 | 10° 1 | 28°45 | 18°41 | 10°11 | 10°29 | 5°27 | 14° 1 | S 29 |
| M30 | 5 6 3 | 15♐58'29 | 18♒30 | 22♐53 | 3♒15 | 5♎ 4 | 17♉20 | 12♊17 | 10♎ 3 | 28♈44 | 18♉40 | 10♍ 7 | 10♍26 | 5♉34 | 14♓ 2 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s50 | 17s13 | 3n40 | 13s 0 | 0n58 | 26s14 | 2s43 | 5n57 | 1n34 | 16n57 | 1s 9 | 20n58 | 1s40 | 2s52 | 0n40 | 9n32 | 1s53 | 3n58 | 14s 7 | 6n37 | 7n 6 | 8n36 | 2s15 | 4n22 |
| M 2 | 17 8 | 15 4 | 2 47 | 13 37 | 0 52 | 26 14 | 2 44 | 5 44 | 1 34 | 16 55 | 1 9 | 20 58 | 1 40 | 2 54 | 0 40 | 9 32 | 1 53 | 3 58 | 14 7 | 6 38 | 7 7 | 8 37 | 2 16 | 4 22 |
| T 3 | 17 24 | 12 15 | 1 46 | 14 14 | 0 45 | 26 13 | 2 45 | 5 30 | 1 35 | 16 53 | 1 9 | 20 57 | 1 40 | 2 55 | 0 40 | 9 31 | 1 53 | 3 58 | 14 7 | 6 38 | 7 8 | 8 39 | 2 17 | 4 21 |
| W 4 | 17 41 | 8 57 | 0 42 | 14 50 | 0 38 | 26 11 | 2 46 | 5 17 | 1 35 | 16 51 | 1 9 | 20 57 | 1 40 | 2 56 | 0 40 | 9 31 | 1 53 | 3 57 | 14 7 | 6 37 | 7 9 | 8 41 | 2 17 | 4 21 |
| T 5 | 17 57 | 5 21 | 0s22 | 15 26 | 0 31 | 26 9 | 2 46 | 5 4 | 1 36 | 16 49 | 1 9 | 20 56 | 1 40 | 2 57 | 0 40 | 9 30 | 1 53 | 3 57 | 14 7 | 6 37 | 7 11 | 8 43 | 2 18 | 4 21 |
| F 6 | 18 13 | 1 34 | 1 25 | 16 1 | 0 25 | 26 6 | 2 47 | 4 50 | 1 36 | 16 47 | 1 9 | 20 56 | 1 40 | 2 58 | 0 40 | 9 29 | 1 53 | 3 57 | 14 7 | 6 38 | 7 12 | 8 44 | 2 18 | 4 20 |
| S 7 | 18 29 | 2n14 | 2 23 | 16 35 | 0 18 | 26 2 | 2 47 | 4 37 | 1 36 | 16 45 | 1 9 | 20 55 | 1 40 | 3 0 | 0 40 | 9 29 | 1 53 | 3 57 | 14 7 | 6 39 | 7 13 | 8 46 | 2 19 | 4 20 |
| S 8 | 18 44 | 5 57 | 3 15 | 17 8 | 0 11 | 25 58 | 2 47 | 4 23 | 1 37 | 16 43 | 1 9 | 20 55 | 1 40 | 3 1 | 0 40 | 9 28 | 1 53 | 3 56 | 14 7 | 6 42 | 7 14 | 8 48 | 2 19 | 4 20 |
| M 9 | 18 59 | 9 26 | 3 58 | 17 41 | 0 4 | 25 53 | 2 47 | 4 10 | 1 37 | 16 41 | 1 9 | 20 54 | 1 40 | 3 2 | 0 40 | 9 28 | 1 53 | 3 56 | 14 7 | 6 45 | 7 15 | 8 50 | 2 20 | 4 20 |
| T 10 | 19 14 | 12 33 | 4 31 | 18 13 | 0s 3 | 25 47 | 2 47 | 3 57 | 1 37 | 16 39 | 1 8 | 20 54 | 1 40 | 3 3 | 0 40 | 9 27 | 1 53 | 3 56 | 14 7 | 6 50 | 7 17 | 8 51 | 2 20 | 4 19 |
| W11 | 19 28 | 15 11 | 4 52 | 18 44 | 0 9 | 25 41 | 2 47 | 3 43 | 1 38 | 16 37 | 1 8 | 20 53 | 1 40 | 3 4 | 0 40 | 9 27 | 1 52 | 3 56 | 14 7 | 6 55 | 7 18 | 8 53 | 2 21 | 4 19 |
| T 12 | 19 42 | 17 10 | 5 0 | 19 14 | 0 16 | 25 33 | 2 47 | 3 30 | 1 38 | 16 35 | 1 8 | 20 53 | 1 40 | 3 5 | 0 40 | 9 26 | 1 52 | 3 55 | 14 7 | 7 1 | 7 19 | 8 55 | 2 21 | 4 19 |
| F 13 | 19 56 | 18 25 | 4 55 | 19 43 | 0 23 | 25 26 | 2 46 | 3 17 | 1 38 | 16 33 | 1 8 | 20 52 | 1 39 | 3 6 | 0 40 | 9 26 | 1 52 | 3 55 | 14 7 | 7 6 | 7 20 | 8 56 | 2 21 | 4 18 |
| S 14 | 20 9 | 18 49 | 4 36 | 20 11 | 0 29 | 25 17 | 2 46 | 3 3 | 1 39 | 16 31 | 1 8 | 20 52 | 1 39 | 3 7 | 0 40 | 9 26 | 1 52 | 3 55 | 14 7 | 7 10 | 7 21 | 8 58 | 2 22 | 4 18 |
| S 15 | 20 22 | 18 19 | 4 4 | 20 38 | 0 35 | 25 8 | 2 45 | 2 50 | 1 39 | 16 29 | 1 8 | 20 51 | 1 39 | 3 8 | 0 40 | 9 25 | 1 52 | 3 55 | 14 7 | 7 14 | 7 23 | 9 0 | 2 22 | 4 18 |
| M16 | 20 35 | 16 54 | 3 19 | 21 4 | 0 42 | 24 58 | 2 44 | 2 37 | 1 39 | 16 27 | 1 7 | 20 51 | 1 39 | 3 9 | 0 40 | 9 25 | 1 52 | 3 55 | 14 6 | 7 16 | 7 24 | 9 2 | 2 22 | 4 17 |
| T 17 | 20 47 | 14 36 | 2 23 | 21 30 | 0 48 | 24 48 | 2 43 | 2 24 | 1 40 | 16 25 | 1 7 | 20 50 | 1 39 | 3 11 | 0 40 | 9 24 | 1 52 | 3 54 | 14 6 | 7 18 | 7 25 | 9 3 | 2 23 | 4 17 |
| W18 | 20 58 | 11 30 | 1 18 | 21 54 | 0 54 | 24 37 | 2 42 | 2 10 | 1 40 | 16 23 | 1 7 | 20 49 | 1 39 | 3 12 | 0 40 | 9 24 | 1 52 | 3 54 | 14 6 | 7 18 | 7 26 | 9 5 | 2 23 | 4 17 |
| T 19 | 21 10 | 7 44 | 0 8 | 22 17 | 1 0 | 24 26 | 2 41 | 1 57 | 1 41 | 16 21 | 1 7 | 20 49 | 1 39 | 3 12 | 0 40 | 9 23 | 1 52 | 3 54 | 14 6 | 7 18 | 7 28 | 9 7 | 2 23 | 4 17 |
| F 20 | 21 21 | 3 27 | 1n 5 | 22 39 | 1 6 | 24 13 | 2 39 | 1 44 | 1 41 | 16 19 | 1 7 | 20 48 | 1 39 | 3 13 | 0 40 | 9 23 | 1 52 | 3 54 | 14 6 | 7 18 | 7 29 | 9 9 | 2 23 | 4 16 |
| S 21 | 21 31 | 1s 8 | 2 16 | 23 0 | 1 11 | 24 1 | 2 38 | 1 31 | 1 41 | 16 17 | 1 6 | 20 48 | 1 39 | 3 14 | 0 40 | 9 23 | 1 52 | 3 54 | 14 6 | 7 19 | 7 30 | 9 10 | 2 24 | 4 16 |
| S 22 | 21 41 | 5 46 | 3 19 | 23 19 | 1 17 | 23 47 | 2 36 | 1 18 | 1 42 | 16 15 | 1 6 | 20 47 | 1 39 | 3 15 | 0 40 | 9 22 | 1 52 | 3 54 | 14 6 | 7 21 | 7 31 | 9 12 | 2 24 | 4 16 |
| M23 | 21 51 | 10 8 | 4 11 | 23 38 | 1 22 | 23 34 | 2 34 | 1 5 | 1 42 | 16 14 | 1 6 | 20 47 | 1 39 | 3 16 | 0 40 | 9 22 | 1 52 | 3 53 | 14 6 | 7 23 | 7 32 | 9 14 | 2 24 | 4 15 |
| T 24 | 22 0 | 13 54 | 4 45 | 23 55 | 1 27 | 23 19 | 2 32 | 0 52 | 1 42 | 16 12 | 1 6 | 20 46 | 1 39 | 3 17 | 0 40 | 9 21 | 1 52 | 3 53 | 14 6 | 7 27 | 7 34 | 9 16 | 2 24 | 4 15 |
| W25 | 22 9 | 16 44 | 5 0 | 24 11 | 1 32 | 23 4 | 2 30 | 0 39 | 1 43 | 16 10 | 1 6 | 20 46 | 1 39 | 3 18 | 0 40 | 9 21 | 1 52 | 3 53 | 14 5 | 7 32 | 7 35 | 9 17 | 2 24 | 4 15 |
| T 26 | 22 17 | 18 26 | 4 54 | 24 26 | 1 36 | 22 49 | 2 27 | 0 26 | 1 43 | 16 8 | 1 5 | 20 45 | 1 39 | 3 19 | 0 40 | 9 21 | 1 52 | 3 53 | 14 5 | 7 36 | 7 36 | 9 19 | 2 24 | 4 14 |
| F 27 | 22 25 | 18 51 | 4 28 | 24 40 | 1 41 | 22 33 | 2 25 | 0 13 | 1 43 | 16 7 | 1 5 | 20 45 | 1 39 | 3 20 | 0 40 | 9 20 | 1 52 | 3 53 | 14 5 | 7 41 | 7 37 | 9 21 | 2 24 | 4 14 |
| S 28 | 22 33 | 18 3 | 3 47 | 24 52 | 1 45 | 22 16 | 2 22 | 0 0 | 1 44 | 16 5 | 1 5 | 20 44 | 1 38 | 3 21 | 0 41 | 9 20 | 1 52 | 3 53 | 14 5 | 7 44 | 7 38 | 9 22 | 2 24 | 4 14 |
| S 29 | 22 40 | 16 13 | 2 53 | 25 3 | 1 49 | 21 59 | 2 19 | 0s13 | 1 44 | 16 3 | 1 5 | 20 43 | 1 38 | 3 21 | 0 41 | 9 20 | 1 52 | 3 53 | 14 5 | 7 46 | 7 40 | 9 24 | 2 24 | 4 14 |
| M30 | 22s47 | 13s34 | 1n52 | 25s12 | 1s53 | 21s42 | 2s16 | 0s26 | 1n44 | 16n 2 | 1s 5 | 20n43 | 1s38 | 3s22 | 0n41 | 9n19 | 1s52 | 3n53 | 14s 5 | 7n48 | 7n41 | 9n26 | 2s24 | 4n13 |

Julian Day Number = 2226502.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'43, Lahiri = 15°15'43 Julian Calendar 1 Nov. 1383 == Greg. Calendar 9 Nov. 1383


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# ASTRODIENST EPHEMERIS for the year 1383
# geocentric

## DECEMBER 1383 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 10 0 | 16♐59'36 | 1♓18 | 24♐28 | 4♒17 | 5♎37 | 17°R14 | 12°R12 | 10♎ 5 | 28°R43 | 18°R39 | 10°R 6 | 10♍23 | 5♉40 | 14♓ 2 | T 1 |
| W 2 | 5 13 57 | 18° 0'44 | 13°44 | 26° 4 | 5°18 | 6°10 | 17♉ 8 | 12♊ 7 | 10° 7 | 28♈42 | 18♉38 | 10♍ 6 | 10°20 | 5°47 | 14° 3 | W 2 |
| T 3 | 5 17 53 | 19° 1'52 | 25°52 | 27°39 | 6°19 | 6°42 | 17° 2 | 12° 2 | 10° 9 | 28°41 | 18°37 | 10° 6 | 10°16 | 5°54 | 14° 4 | T 3 |
| F 4 | 5 21 50 | 20° 2'59 | 7♈49 | 29°14 | 7°20 | 7°15 | 16°57 | 11°57 | 10°11 | 28°41 | 18°36 | 10° 5 | 10°13 | 6° 0 | 14° 5 | F 4 |
| S 5 | 5 25 46 | 21° 4'08 | 19°39 | 0♊50 | 8°20 | 7°47 | 16°51 | 11°53 | 10°12 | 28°40 | 18°35 | 10° 1 | 10°10 | 6° 7 | 14° 6 | S 5 |
| S 6 | 5 29 43 | 22° 5'16 | 1♉28 | 2°25 | 9°19 | 8°20 | 16°46 | 11°48 | 10°14 | 28°39 | 18°34 | 9°55 | 10° 7 | 6°14 | 14° 7 | S 6 |
| M 7 | 5 33 39 | 23° 6'25 | 13°19 | 4° 1 | 10°19 | 8°52 | 16°40 | 11°43 | 10°16 | 28°38 | 18°34 | 9°46 | 10° 4 | 6°20 | 14° 8 | M 7 |
| T 8 | 5 37 36 | 24° 7'34 | 25°17 | 5°36 | 11°17 | 9°24 | 16°35 | 11°38 | 10°18 | 28°37 | 18°33 | 9°35 | 10° 1 | 6°27 | 14° 9 | T 8 |
| W 9 | 5 41 32 | 25° 8'43 | 7♊22 | 7°11 | 12°16 | 9°56 | 16°31 | 11°33 | 10°19 | 28°36 | 18°32 | 9°21 | 9°57 | 6°34 | 14°11 | W 9 |
| T 10 | 5 45 29 | 26° 9'52 | 19°37 | 8°47 | 13°13 | 10°28 | 16°26 | 11°29 | 10°21 | 28°36 | 18°31 | 9° 8 | 9°54 | 6°41 | 14°12 | T 10 |
| F 11 | 5 49 26 | 27°11'01 | 2♋ 3 | 10°22 | 14°10 | 11° 0 | 16°21 | 11°24 | 10°22 | 28°35 | 18°30 | 8°54 | 9°51 | 6°47 | 14°13 | F 11 |
| S 12 | 5 53 22 | 28°12'11 | 14°39 | 11°56 | 15° 7 | 11°31 | 16°17 | 11°19 | 10°24 | 28°34 | 18°29 | 8°42 | 9°48 | 6°54 | 14°15 | S 12 |
| S 13 | 5 57 19 | 29°13'21 | 27°25 | 13°31 | 16° 3 | 12° 3 | 16°13 | 11°15 | 10°25 | 28°34 | 18°28 | 8°33 | 9°45 | 7° 1 | 14°16 | S 13 |
| M14 | 6 1 15 | 0♌14'31 | 10♌22 | 15° 4 | 16°58 | 12°34 | 16° 9 | 11°10 | 10°27 | 28°33 | 18°28 | 8°27 | 9°42 | 7° 7 | 14°17 | M14 |
| T 15 | 6 5 12 | 1°15'41 | 23°29 | 16°37 | 17°53 | 13° 6 | 16° 5 | 11° 6 | 10°28 | 28°32 | 18°27 | 8°24 | 9°38 | 7°14 | 14°19 | T 15 |
| W16 | 6 9 8 | 2°16'52 | 6♍49 | 18°10 | 18°47 | 13°37 | 16° 2 | 11° 1 | 10°29 | 28°32 | 18°26 | 8°D23 | 9°35 | 7°21 | 14°21 | W16 |
| T 17 | 6 13 5 | 3°18'03 | 20°22 | 19°41 | 19°41 | 14° 8 | 15°58 | 10°57 | 10°30 | 28°31 | 18°25 | 8°23 | 9°32 | 7°27 | 14°22 | T 17 |
| F 18 | 6 17 1 | 4°19'14 | 4♎ 9 | 21°10 | 20°34 | 14°39 | 15°55 | 10°52 | 10°31 | 28°31 | 18°24 | 8°R23 | 9°29 | 7°34 | 14°24 | F 18 |
| S 19 | 6 20 58 | 5°20'25 | 18°12 | 22°38 | 21°26 | 15°10 | 15°52 | 10°48 | 10°33 | 28°30 | 18°24 | 8°23 | 9°26 | 7°41 | 14°26 | S 19 |
| S 20 | 6 24 55 | 6°21'37 | 2♏29 | 24° 4 | 22°17 | 15°40 | 15°49 | 10°44 | 10°34 | 28°30 | 18°23 | 8°20 | 9°22 | 7°48 | 14°27 | S 20 |
| M21 | 6 28 51 | 7°22'48 | 16°59 | 25°27 | 23° 8 | 16°11 | 15°47 | 10°40 | 10°35 | 28°30 | 18°22 | 8°15 | 9°19 | 7°54 | 14°29 | M21 |
| T 22 | 6 32 48 | 8°24'00 | 1♐38 | 26°48 | 23°57 | 16°41 | 15°44 | 10°36 | 10°36 | 28°29 | 18°22 | 8° 7 | 9°16 | 8° 1 | 14°31 | T 22 |
| W23 | 6 36 44 | 9°25'12 | 16°18 | 28° 5 | 24°46 | 17°11 | 15°42 | 10°32 | 10°36 | 28°29 | 18°21 | 7°58 | 9°13 | 8° 8 | 14°33 | W23 |
| T 24 | 6 40 41 | 10°26'24 | 0♑54 | 29°18 | 25°34 | 17°41 | 15°40 | 10°28 | 10°37 | 28°29 | 18°20 | 7°48 | 9°10 | 8°14 | 14°35 | T 24 |
| F 25 | 6 44 37 | 11°27'35 | 15°17 | 0♒26 | 26°21 | 18°11 | 15°38 | 10°24 | 10°38 | 28°28 | 18°20 | 7°39 | 9° 7 | 8°21 | 14°37 | F 25 |
| S 26 | 6 48 34 | 12°28'46 | 29°20 | 1°28 | 27° 8 | 18°41 | 15°37 | 10°20 | 10°39 | 28°28 | 18°19 | 7°31 | 9° 3 | 8°28 | 14°39 | S 26 |
| S 27 | 6 52 30 | 13°29'57 | 13♒ 1 | 2°25 | 27°53 | 19°11 | 15°35 | 10°16 | 10°39 | 28°28 | 18°18 | 7°26 | 9° 0 | 8°34 | 14°41 | S 27 |
| M28 | 6 56 27 | 14°31'06 | 26°16 | 3°14 | 28°37 | 19°40 | 15°34 | 10°13 | 10°40 | 28°28 | 18°18 | 7°23 | 8°57 | 8°41 | 14°44 | M28 |
| T 29 | 7 0 24 | 15°32'16 | 9♓ 7 | 3°55 | 29°20 | 20°10 | 15°33 | 10° 9 | 10°40 | 28°28 | 18°17 | 7°D22 | 8°54 | 8°48 | 14°46 | T 29 |
| W30 | 7 4 20 | 16°33'24 | 21°37 | 4°27 | 0♓ 2 | 20°39 | 15°33 | 10° 5 | 10°41 | 28°28 | 18°17 | 7°23 | 8°51 | 8°55 | 14°48 | W30 |
| T 31 | 7 8 17 | 17♑34'32 | 3♈49 | 4♒49 | 0♓43 | 21♎ 8 | 15♉32 | 10♊ 2 | 10♎41 | 28♈28 | 18♉16 | 7♍24 | 8♍47 | 9♉ 1 | 14♓50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s53 | 10s19 | 0n46 | 25s20 | 1s56 | 21s24 | 2s13 | 0s38 | 1n45 | 16n 0 | 1s 4 | 20n42 | 1s38 | 3s23 | 0n41 | 9n19 | 1s52 | 3n53 | 14s 4 | 7n48 | 7n42 | 9n28 | 2s24 | 4n13 |
| W 2 | 22 58 | 6 43 | 0s19 | 25 27 | 1 59 | 21 6 | 2 9 | 0 51 | 1 45 | 15 59 | 1 4 | 20 42 | 1 38 | 3 24 | 0 41 | 9 19 | 1 52 | 3 52 | 14 4 | 7 48 | 7 43 | 9 29 | 2 24 | 4 13 |
| T 3 | 23 4 | 2 55 | 1 23 | 25 32 | 2 2 | 20 47 | 2 6 | 1 3 | 1 45 | 15 57 | 1 4 | 20 41 | 1 38 | 3 24 | 0 41 | 9 18 | 1 52 | 3 52 | 14 4 | 7 48 | 7 44 | 9 31 | 2 24 | 4 12 |
| F 4 | 23 9 | 0n57 | 2 21 | 25 35 | 2 4 | 20 28 | 2 2 | 1 16 | 1 46 | 15 56 | 1 4 | 20 41 | 1 38 | 3 25 | 0 41 | 9 18 | 1 52 | 3 52 | 14 4 | 7 49 | 7 46 | 9 33 | 2 24 | 4 12 |
| S 5 | 23 13 | 4 44 | 3 13 | 25 37 | 2 7 | 20 8 | 1 58 | 1 29 | 1 46 | 15 55 | 1 3 | 20 40 | 1 38 | 3 26 | 0 41 | 9 18 | 1 51 | 3 52 | 14 4 | 7 50 | 7 47 | 9 34 | 2 24 | 4 12 |
| S 6 | 23 17 | 8 19 | 3 57 | 25 38 | 2 8 | 19 48 | 1 54 | 1 41 | 1 46 | 15 53 | 1 3 | 20 40 | 1 38 | 3 26 | 0 41 | 9 18 | 1 51 | 3 52 | 14 4 | 7 52 | 7 48 | 9 36 | 2 24 | 4 11 |
| M 7 | 23 20 | 11 36 | 4 30 | 25 37 | 2 10 | 19 28 | 1 50 | 1 53 | 1 47 | 15 52 | 1 3 | 20 39 | 1 37 | 3 27 | 0 41 | 9 17 | 1 51 | 3 52 | 14 3 | 7 56 | 7 49 | 9 38 | 2 24 | 4 11 |
| T 8 | 23 23 | 14 25 | 4 52 | 25 34 | 2 11 | 19 8 | 1 45 | 2 6 | 1 47 | 15 51 | 1 3 | 20 39 | 1 37 | 3 28 | 0 41 | 9 17 | 1 51 | 3 52 | 14 3 | 8 0 | 7 50 | 9 40 | 2 24 | 4 11 |
| W 9 | 23 26 | 16 40 | 5 0 | 25 30 | 2 11 | 18 47 | 1 40 | 2 18 | 1 47 | 15 50 | 1 2 | 20 38 | 1 37 | 3 28 | 0 41 | 9 17 | 1 51 | 3 52 | 14 3 | 8 5 | 7 52 | 9 41 | 2 24 | 4 11 |
| T 10 | 23 28 | 18 12 | 4 56 | 25 24 | 2 11 | 18 26 | 1 35 | 2 30 | 1 48 | 15 49 | 1 2 | 20 38 | 1 37 | 3 29 | 0 41 | 9 17 | 1 51 | 3 52 | 14 3 | 8 10 | 7 53 | 9 43 | 2 23 | 4 10 |
| F 11 | 23 29 | 18 53 | 4 37 | 25 17 | 2 11 | 18 4 | 1 30 | 2 42 | 1 48 | 15 48 | 1 2 | 20 37 | 1 37 | 3 30 | 0 41 | 9 16 | 1 51 | 3 52 | 14 2 | 8 15 | 7 54 | 9 45 | 2 23 | 4 10 |
| S 12 | 23 30 | 18 39 | 4 4 | 25 8 | 2 10 | 17 42 | 1 25 | 2 54 | 1 48 | 15 47 | 1 2 | 20 37 | 1 37 | 3 30 | 0 41 | 9 16 | 1 51 | 3 52 | 14 2 | 8 20 | 7 55 | 9 46 | 2 23 | 4 10 |
| S 13 | 23 31 | 17 29 | 3 19 | 24 57 | 2 8 | 17 20 | 1 19 | 3 6 | 1 49 | 15 46 | 1 1 | 20 36 | 1 37 | 3 31 | 0 41 | 9 16 | 1 51 | 3 52 | 14 2 | 8 23 | 7 56 | 9 48 | 2 23 | 4 9 |
| M14 | 23 31 | 15 24 | 2 23 | 24 45 | 2 6 | 16 58 | 1 14 | 3 18 | 1 49 | 15 45 | 1 1 | 20 36 | 1 36 | 3 31 | 0 41 | 9 16 | 1 51 | 3 52 | 14 2 | 8 26 | 7 58 | 9 50 | 2 22 | 4 9 |
| T 15 | 23 31 | 12 30 | 1 18 | 24 31 | 2 4 | 16 36 | 1 8 | 3 30 | 1 49 | 15 44 | 1 1 | 20 35 | 1 36 | 3 32 | 0 41 | 9 16 | 1 51 | 3 52 | 14 2 | 8 27 | 7 59 | 9 52 | 2 22 | 4 9 |
| W16 | 23 30 | 8 55 | 0 8 | 24 16 | 2 0 | 16 13 | 1 2 | 3 42 | 1 50 | 15 43 | 1 0 | 20 35 | 1 36 | 3 32 | 0 41 | 9 16 | 1 51 | 3 52 | 14 1 | 8 27 | 8 0 | 9 53 | 2 22 | 4 9 |
| T 17 | 23 29 | 4 48 | 1n 3 | 23 59 | 1 56 | 15 50 | 0 55 | 3 54 | 1 50 | 15 43 | 1 0 | 20 34 | 1 36 | 3 33 | 0 41 | 9 15 | 1 51 | 3 52 | 14 1 | 8 27 | 8 1 | 9 55 | 2 21 | 4 8 |
| F 18 | 23 27 | 0 23 | 2 13 | 23 41 | 1 51 | 15 27 | 0 49 | 4 6 | 1 50 | 15 42 | 1 0 | 20 34 | 1 36 | 3 33 | 0 41 | 9 15 | 1 51 | 3 52 | 14 1 | 8 27 | 8 2 | 9 57 | 2 21 | 4 8 |
| S 19 | 23 25 | 4s 9 | 3 16 | 23 21 | 1 46 | 15 4 | 0 42 | 4 17 | 1 51 | 15 41 | 1 0 | 20 34 | 1 36 | 3 33 | 0 41 | 9 15 | 1 51 | 3 52 | 14 1 | 8 27 | 8 4 | 9 58 | 2 20 | 4 8 |
| S 20 | 23 22 | 8 30 | 4 7 | 23 0 | 1 39 | 14 41 | 0 35 | 4 29 | 1 51 | 15 41 | 0 59 | 20 33 | 1 35 | 3 34 | 0 41 | 9 15 | 1 51 | 3 52 | 14 0 | 8 28 | 8 5 | 10 0 | 2 20 | 4 7 |
| M21 | 23 19 | 12 25 | 4 44 | 22 37 | 1 32 | 14 17 | 0 28 | 4 40 | 1 51 | 15 40 | 0 59 | 20 33 | 1 35 | 3 34 | 0 41 | 9 15 | 1 51 | 3 52 | 14 0 | 8 30 | 8 6 | 10 2 | 2 19 | 4 7 |
| T 22 | 23 15 | 15 37 | 5 2 | 22 14 | 1 24 | 13 54 | 0 20 | 4 52 | 1 52 | 15 40 | 0 59 | 20 32 | 1 35 | 3 34 | 0 41 | 9 15 | 1 51 | 3 52 | 14 0 | 8 33 | 8 7 | 10 3 | 2 19 | 4 7 |
| W23 | 23 11 | 17 49 | 5 1 | 21 50 | 1 14 | 13 30 | 0 13 | 5 3 | 1 52 | 15 40 | 0 58 | 20 32 | 1 35 | 3 35 | 0 41 | 9 15 | 1 50 | 3 52 | 14 0 | 8 37 | 8 8 | 10 5 | 2 19 | 4 7 |
| T 24 | 23 6 | 18 51 | 4 40 | 21 25 | 1 4 | 13 7 | 0 5 | 5 14 | 1 52 | 15 39 | 0 58 | 20 32 | 1 35 | 3 35 | 0 41 | 9 15 | 1 50 | 3 53 | 13 59 | 8 40 | 8 10 | 10 7 | 2 18 | 4 6 |
| F 25 | 23 1 | 18 38 | 4 2 | 20 59 | 0 53 | 12 43 | 0n 3 | 5 25 | 1 53 | 15 39 | 0 58 | 20 31 | 1 35 | 3 35 | 0 41 | 9 15 | 1 50 | 3 53 | 13 59 | 8 44 | 8 11 | 10 9 | 2 17 | 4 6 |
| S 26 | 22 56 | 17 16 | 3 9 | 20 34 | 0 41 | 12 19 | 0 12 | 5 36 | 1 53 | 15 39 | 0 58 | 20 31 | 1 34 | 3 36 | 0 41 | 9 15 | 1 50 | 3 53 | 13 59 | 8 47 | 8 12 | 10 10 | 2 17 | 4 6 |
| S 27 | 22 50 | 14 56 | 2 7 | 20 8 | 0 28 | 11 56 | 0 20 | 5 47 | 1 53 | 15 39 | 0 57 | 20 31 | 1 34 | 3 36 | 0 41 | 9 15 | 1 50 | 3 53 | 13 59 | 8 49 | 8 13 | 10 12 | 2 16 | 4 6 |
| M28 | 22 43 | 11 52 | 0 59 | 19 43 | 0 13 | 11 32 | 0 29 | 5 58 | 1 54 | 15 39 | 0 57 | 20 30 | 1 34 | 3 36 | 0 41 | 9 15 | 1 50 | 3 53 | 13 58 | 8 50 | 8 14 | 10 14 | 2 16 | 4 5 |
| T 29 | 22 37 | 8 19 | 0s 9 | 19 18 | 0n 2 | 11 9 | 0 38 | 6 9 | 1 54 | 15 39 | 0 57 | 20 30 | 1 34 | 3 36 | 0 42 | 9 15 | 1 50 | 3 53 | 13 58 | 8 50 | 8 16 | 10 15 | 2 15 | 4 5 |
| W30 | 22 29 | 4 30 | 1 16 | 18 55 | 0 18 | 10 45 | 0 48 | 6 19 | 1 54 | 15 39 | 0 57 | 20 30 | 1 34 | 3 36 | 0 42 | 9 15 | 1 50 | 3 53 | 13 58 | 8 50 | 8 17 | 10 17 | 2 14 | 4 5 |
| T 31 | 22s21 | 0s35 | 2s18 | 18s33 | 0n35 | 10s22 | 0n57 | 6s30 | 1n55 | 15n39 | 0s56 | 20n29 | 1s33 | 3s36 | 0n42 | 9n15 | 1s50 | 3n53 | 13s57 | 8n49 | 8n18 | 10n19 | 2s14 | 4n 5 |

Julian Day Number = 2226532.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'00, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'47, Lahiri = 15°15'48 Julian Calendar 1 Dec. 1383 == Greg. Calendar 9 Dec. 1383


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## JANUARY 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 12 13 | 18♑35'38 | 15♈49 | 5♒ 1 | 1♓22 | 21♎37 | 15°R32 | 9°R59 | 10♎42 | 28°D28 | 18°R16 | 7°R25 | 8♍44 | 9♉ 8 | 14♓53 | F 1 |
| S 2 | 7 16 10 | 19°36'44 | 27°41 | 5°R 1 | 2° 1 | 22° 5 | 15°D32 | 9♊55 | 10°42 | 28♈28 | 18♉15 | 7♍25 | 8°41 | 9°15 | 14°55 | S 2 |
| S 3 | 7 20 6 | 20°37'49 | 9♉32 | 4°50 | 2°38 | 22°34 | 15♉32 | 9°52 | 10°42 | 28°28 | 18°15 | 7°23 | 8°38 | 9°21 | 14°57 | S 3 |
| M 4 | 7 24 3 | 21°38'53 | 21°25 | 4°27 | 3°13 | 23° 2 | 15°32 | 9°49 | 10°42 | 28°28 | 18°14 | 7°18 | 8°35 | 9°28 | 15° 0 | M 4 |
| T 5 | 7 27 59 | 22°39'57 | 3♊25 | 3°53 | 3°47 | 23°30 | 15°33 | 9°46 | 10°43 | 28°28 | 18°14 | 7°12 | 8°32 | 9°35 | 15° 2 | T 5 |
| W 6 | 7 31 56 | 23°40'59 | 15°36 | 3° 8 | 4°20 | 23°58 | 15°33 | 9°43 | 10°43 | 28°28 | 18°14 | 7° 5 | 8°28 | 9°42 | 15° 5 | W 6 |
| T 7 | 7 35 53 | 24°42'00 | 28° 0 | 2°14 | 4°51 | 24°26 | 15°34 | 9°41 | 10°R43 | 28°28 | 18°13 | 6°57 | 8°25 | 9°48 | 15° 8 | T 7 |
| F 8 | 7 39 49 | 25°43'01 | 10♋38 | 1°11 | 5°21 | 24°53 | 15°35 | 9°38 | 10°43 | 28°28 | 18°13 | 6°49 | 8°22 | 9°55 | 15°10 | F 8 |
| S 9 | 7 43 46 | 26°44'00 | 23°31 | 0° 2 | 5°48 | 25°20 | 15°37 | 9°35 | 10°43 | 28°29 | 18°13 | 6°42 | 8°19 | 10° 2 | 15°13 | S 9 |
| S 10 | 7 47 42 | 27°44'58 | 6♌38 | 28♑48 | 6°15 | 25°47 | 15°38 | 9°33 | 10°42 | 28°29 | 18°12 | 6°37 | 8°16 | 10° 8 | 15°16 | S 10 |
| M11 | 7 51 39 | 28°45'56 | 19°59 | 27°33 | 6°39 | 26°14 | 15°40 | 9°31 | 10°42 | 28°29 | 18°12 | 6°33 | 8°13 | 10°15 | 15°18 | M11 |
| T 12 | 7 55 35 | 29°46'53 | 3♍30 | 26°18 | 7° 1 | 26°41 | 15°42 | 9°28 | 10°42 | 28°30 | 18°12 | 6°D32 | 8° 9 | 10°22 | 15°21 | T 12 |
| W13 | 7 59 32 | 0♒47'48 | 17°12 | 25° 5 | 7°22 | 27° 7 | 15°44 | 9°26 | 10°42 | 28°30 | 18°11 | 6°33 | 8° 6 | 10°28 | 15°24 | W13 |
| T 14 | 8 3 28 | 1°48'43 | 1♎ 3 | 23°56 | 7°40 | 27°34 | 15°46 | 9°24 | 10°41 | 28°31 | 18°11 | 6°34 | 8° 3 | 10°35 | 15°27 | T 14 |
| F 15 | 8 7 25 | 2°49'37 | 15° 1 | 22°53 | 7°57 | 28° 0 | 15°49 | 9°22 | 10°41 | 28°31 | 18°11 | 6°35 | 8° 0 | 10°42 | 15°30 | F 15 |
| S 16 | 8 11 22 | 3°50'31 | 29° 6 | 21°57 | 8°11 | 28°25 | 15°51 | 9°20 | 10°40 | 28°32 | 18°11 | 6°R36 | 7°57 | 10°49 | 15°33 | S 16 |
| S 17 | 8 15 18 | 4°51'23 | 13♏15 | 21° 9 | 8°24 | 28°51 | 15°54 | 9°19 | 10°40 | 28°32 | 18°11 | 6°36 | 7°53 | 10°55 | 15°36 | S 17 |
| M18 | 8 19 15 | 5°52'15 | 27°29 | 20°29 | 8°34 | 29°16 | 15°57 | 9°17 | 10°39 | 28°33 | 18°10 | 6°35 | 7°50 | 11° 2 | 15°39 | M18 |
| T 19 | 8 23 11 | 6°53'06 | 11♐43 | 19°57 | 8°41 | 29°41 | 16° 1 | 9°15 | 10°39 | 28°33 | 18°10 | 6°32 | 7°47 | 11° 9 | 15°42 | T 19 |
| W20 | 8 27 8 | 7°53'56 | 25°55 | 19°34 | 8°47 | 0♏ 6 | 16° 4 | 9°14 | 10°38 | 28°34 | 18°10 | 6°28 | 7°44 | 11°15 | 15°45 | W20 |
| T 21 | 8 31 4 | 8°54'45 | 10♑ 0 | 19°19 | 8°50 | 0°31 | 16° 8 | 9°13 | 10°37 | 28°35 | 18°10 | 6°23 | 7°41 | 11°22 | 15°48 | T 21 |
| F 22 | 8 35 1 | 9°55'33 | 23°55 | 19°D13 | 8°R50 | 0°55 | 16°12 | 9°11 | 10°37 | 28°35 | 18°10 | 6°19 | 7°38 | 11°29 | 15°51 | F 22 |
| S 23 | 8 38 57 | 10°56'19 | 7♒36 | 19°13 | 8°48 | 1°19 | 16°16 | 9°10 | 10°36 | 28°36 | 18°10 | 6°16 | 7°34 | 11°36 | 15°54 | S 23 |
| S 24 | 8 42 54 | 11°57'04 | 21° 0 | 19°21 | 8°44 | 1°43 | 16°20 | 9° 9 | 10°35 | 28°37 | 18°D10 | 6°14 | 7°31 | 11°42 | 15°57 | S 24 |
| M25 | 8 46 51 | 12°57'48 | 4♓ 5 | 19°35 | 8°37 | 2° 6 | 16°25 | 9° 9 | 10°34 | 28°38 | 18°10 | 6°D13 | 7°28 | 11°49 | 16° 1 | M25 |
| T 26 | 8 50 47 | 13°58'30 | 16°51 | 19°56 | 8°28 | 2°29 | 16°29 | 9° 8 | 10°33 | 28°39 | 18°10 | 6°13 | 7°25 | 11°56 | 16° 4 | T 26 |
| W27 | 8 54 44 | 14°59'11 | 29°19 | 20°22 | 8°16 | 2°52 | 16°34 | 9° 7 | 10°32 | 28°39 | 18°10 | 6°14 | 7°22 | 12° 2 | 16° 7 | W27 |
| T 28 | 8 58 40 | 15°59'49 | 11♈32 | 20°53 | 8° 2 | 3°14 | 16°39 | 9° 7 | 10°31 | 28°40 | 18°10 | 6°16 | 7°19 | 12° 9 | 16°10 | T 28 |
| F 29 | 9 2 37 | 17° 0'27 | 23°34 | 21°29 | 7°45 | 3°36 | 16°44 | 9° 6 | 10°30 | 28°41 | 18°10 | 6°18 | 7°15 | 12°16 | 16°14 | F 29 |
| S 30 | 9 6 33 | 18° 1'02 | 5♉28 | 22°10 | 7°25 | 3°58 | 16°49 | 9° 6 | 10°28 | 28°42 | 18°10 | 6°19 | 7°12 | 12°23 | 16°17 | S 30 |
| S 31 | 9 10 30 | 19♒ 1'36 | 17♉20 | 22♑55 | 7♓ 4 | 4♏20 | 16♉55 | 9♊ 6 | 10♎27 | 28♈43 | 18♉11 | 6°R19 | 7♍ 9 | 12♉29 | 16♓20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s13 | 3n17 | 3s12 | 18s13 | 0n53 | 9s59 | 1n 7 | 6s41 | 1n55 | 15n39 | 0s56 | 20n29 | 1s33 | 3s37 | 0n42 | 9n15 | 1s50 | 3n53 | 13s57 | 8n49 | 8n19 | 10n20 | 2s13 | 4n 4 |
| S 2 | 22 5 | 6 59 | 3 58 | 17 55 | 1 11 | 9 36 | 1 17 | 6 51 | 1 55 | 15 39 | 0 56 | 20 29 | 1 33 | 3 37 | 0 42 | 9 15 | 1 50 | 3 54 | 13 57 | 8 49 | 8 20 | 10 22 | 2 12 | 4 4 |
| S 3 | 21 56 | 10 24 | 4 33 | 17 40 | 1 30 | 9 13 | 1 27 | 7 1 | 1 55 | 15 40 | 0 55 | 20 28 | 1 33 | 3 37 | 0 42 | 9 15 | 1 50 | 3 54 | 13 57 | 8 50 | 8 22 | 10 24 | 2 12 | 4 4 |
| M 4 | 21 46 | 13 24 | 4 57 | 17 27 | 1 48 | 8 51 | 1 37 | 7 11 | 1 56 | 15 40 | 0 55 | 20 28 | 1 32 | 3 37 | 0 42 | 9 15 | 1 50 | 3 54 | 13 56 | 8 51 | 8 23 | 10 25 | 2 11 | 4 4 |
| T 5 | 21 36 | 15 52 | 5 8 | 17 18 | 2 6 | 8 28 | 1 48 | 7 22 | 1 56 | 15 40 | 0 55 | 20 28 | 1 32 | 3 37 | 0 42 | 9 15 | 1 50 | 3 54 | 13 56 | 8 54 | 8 24 | 10 27 | 2 10 | 4 3 |
| W 6 | 21 26 | 17 41 | 5 5 | 17 11 | 2 24 | 8 6 | 1 59 | 7 32 | 1 56 | 15 41 | 0 55 | 20 28 | 1 32 | 3 37 | 0 42 | 9 15 | 1 50 | 3 54 | 13 56 | 8 56 | 8 25 | 10 29 | 2 9 | 4 3 |
| T 7 | 21 15 | 18 42 | 4 48 | 17 8 | 2 40 | 7 44 | 2 10 | 7 41 | 1 57 | 15 41 | 0 54 | 20 28 | 1 32 | 3 37 | 0 42 | 9 16 | 1 50 | 3 55 | 13 55 | 8 59 | 8 26 | 10 31 | 2 9 | 4 3 |
| F 8 | 21 4 | 18 49 | 4 17 | 17 7 | 2 55 | 7 23 | 2 22 | 7 51 | 1 57 | 15 42 | 0 54 | 20 27 | 1 32 | 3 37 | 0 42 | 9 16 | 1 49 | 3 55 | 13 55 | 9 2 | 8 28 | 10 32 | 2 8 | 4 3 |
| S 9 | 20 53 | 17 59 | 3 32 | 17 9 | 3 8 | 7 2 | 2 33 | 8 1 | 1 57 | 15 43 | 0 54 | 20 27 | 1 31 | 3 37 | 0 42 | 9 16 | 1 49 | 3 55 | 13 55 | 9 5 | 8 29 | 10 34 | 2 7 | 4 2 |
| S 10 | 20 41 | 16 10 | 2 35 | 17 13 | 3 19 | 6 42 | 2 45 | 8 10 | 1 57 | 15 43 | 0 53 | 20 27 | 1 31 | 3 37 | 0 42 | 9 16 | 1 49 | 3 55 | 13 55 | 9 7 | 8 30 | 10 36 | 2 6 | 4 2 |
| M11 | 20 28 | 13 28 | 1 29 | 17 20 | 3 27 | 6 21 | 2 57 | 8 20 | 1 58 | 15 44 | 0 53 | 20 27 | 1 31 | 3 36 | 0 42 | 9 16 | 1 49 | 3 55 | 13 54 | 9 8 | 8 31 | 10 37 | 2 5 | 4 2 |
| T 12 | 20 16 | 10 0 | 0 17 | 17 28 | 3 33 | 6 2 | 3 9 | 8 29 | 1 58 | 15 45 | 0 53 | 20 27 | 1 31 | 3 36 | 0 42 | 9 16 | 1 49 | 3 56 | 13 54 | 9 8 | 8 32 | 10 39 | 2 4 | 4 2 |
| W13 | 20 3 | 5 57 | 0n58 | 17 38 | 3 36 | 5 43 | 3 22 | 8 39 | 1 58 | 15 46 | 0 53 | 20 27 | 1 30 | 3 36 | 0 42 | 9 17 | 1 49 | 3 56 | 13 54 | 9 8 | 8 33 | 10 41 | 2 4 | 4 2 |
| T 14 | 19 49 | 1 34 | 2 10 | 17 49 | 3 37 | 5 24 | 3 35 | 8 48 | 1 58 | 15 47 | 0 52 | 20 27 | 1 30 | 3 36 | 0 42 | 9 17 | 1 49 | 3 56 | 13 53 | 9 8 | 8 35 | 10 42 | 2 3 | 4 1 |
| F 15 | 19 35 | 2s57 | 3 15 | 18 1 | 3 36 | 5 6 | 3 47 | 8 57 | 1 59 | 15 48 | 0 52 | 20 27 | 1 30 | 3 36 | 0 42 | 9 17 | 1 49 | 3 56 | 13 53 | 9 7 | 8 36 | 10 44 | 2 2 | 4 1 |
| S 16 | 19 21 | 7 19 | 4 8 | 18 13 | 3 33 | 4 49 | 4 0 | 9 6 | 1 59 | 15 49 | 0 52 | 20 27 | 1 30 | 3 36 | 0 42 | 9 17 | 1 49 | 3 57 | 13 53 | 9 7 | 8 37 | 10 46 | 2 1 | 4 1 |
| S 17 | 19 7 | 11 18 | 4 47 | 18 26 | 3 28 | 4 32 | 4 13 | 9 15 | 1 59 | 15 50 | 0 51 | 20 27 | 1 30 | 3 35 | 0 42 | 9 18 | 1 49 | 3 57 | 13 52 | 9 7 | 8 38 | 10 47 | 2 0 | 4 1 |
| M18 | 18 52 | 14 39 | 5 9 | 18 38 | 3 21 | 4 16 | 4 27 | 9 23 | 1 59 | 15 51 | 0 51 | 20 27 | 1 29 | 3 35 | 0 42 | 9 18 | 1 49 | 3 57 | 13 52 | 9 8 | 8 39 | 10 49 | 1 59 | 4 1 |
| T 19 | 18 37 | 17 7 | 5 11 | 18 51 | 3 13 | 4 1 | 4 40 | 9 32 | 2 0 | 15 52 | 0 51 | 20 27 | 1 29 | 3 35 | 0 42 | 9 18 | 1 49 | 3 57 | 13 52 | 9 9 | 8 41 | 10 51 | 1 58 | 4 0 |
| W20 | 18 21 | 18 32 | 4 55 | 19 3 | 3 4 | 3 46 | 4 53 | 9 40 | 2 0 | 15 54 | 0 51 | 20 27 | 1 29 | 3 35 | 0 42 | 9 18 | 1 49 | 3 58 | 13 51 | 9 10 | 8 42 | 10 52 | 1 57 | 4 0 |
| T 21 | 18 5 | 18 48 | 4 21 | 19 15 | 2 54 | 3 33 | 5 7 | 9 49 | 2 0 | 15 55 | 0 50 | 20 27 | 1 29 | 3 34 | 0 42 | 9 19 | 1 49 | 3 58 | 13 51 | 9 12 | 8 43 | 10 54 | 1 56 | 4 0 |
| F 22 | 17 49 | 17 55 | 3 32 | 19 27 | 2 43 | 3 20 | 5 20 | 9 57 | 2 0 | 15 56 | 0 50 | 20 27 | 1 28 | 3 34 | 0 42 | 9 19 | 1 49 | 3 58 | 13 51 | 9 13 | 8 44 | 10 56 | 1 55 | 4 0 |
| S 23 | 17 33 | 16 0 | 2 31 | 19 37 | 2 32 | 3 8 | 5 34 | 10 5 | 2 1 | 15 58 | 0 50 | 20 27 | 1 28 | 3 33 | 0 42 | 9 19 | 1 49 | 3 58 | 13 50 | 9 15 | 8 45 | 10 57 | 1 54 | 4 0 |
| S 24 | 17 16 | 13 14 | 1 23 | 19 48 | 2 21 | 2 57 | 5 47 | 10 13 | 2 1 | 15 59 | 0 50 | 20 27 | 1 28 | 3 33 | 0 42 | 9 20 | 1 48 | 3 59 | 13 50 | 9 15 | 8 47 | 10 59 | 1 53 | 3 59 |
| M25 | 16 59 | 9 52 | 0 12 | 19 57 | 2 9 | 2 48 | 6 0 | 10 21 | 2 1 | 16 1 | 0 49 | 20 27 | 1 28 | 3 33 | 0 42 | 9 20 | 1 48 | 3 59 | 13 50 | 9 16 | 8 48 | 11 1 | 1 52 | 3 59 |
| T 26 | 16 41 | 6 6 | 0s58 | 20 6 | 1 57 | 2 39 | 6 13 | 10 29 | 2 1 | 16 2 | 0 49 | 20 27 | 1 27 | 3 32 | 0 42 | 9 20 | 1 48 | 3 59 | 13 50 | 9 16 | 8 49 | 11 2 | 1 51 | 3 59 |
| W27 | 16 24 | 2 10 | 2 4 | 20 14 | 1 45 | 2 31 | 6 26 | 10 36 | 2 1 | 16 4 | 0 49 | 20 27 | 1 27 | 3 32 | 0 42 | 9 21 | 1 48 | 4 0 | 13 49 | 9 15 | 8 50 | 11 4 | 1 49 | 3 59 |
| T 28 | 16 6 | 1n47 | 3 3 | 20 21 | 1 34 | 2 25 | 6 39 | 10 44 | 2 2 | 16 5 | 0 49 | 20 27 | 1 27 | 3 31 | 0 43 | 9 21 | 1 48 | 4 0 | 13 49 | 9 15 | 8 51 | 11 6 | 1 48 | 3 59 |
| F 29 | 15 47 | 5 35 | 3 52 | 20 27 | 1 22 | 2 19 | 6 52 | 10 51 | 2 2 | 16 7 | 0 48 | 20 28 | 1 27 | 3 31 | 0 43 | 9 21 | 1 48 | 4 0 | 13 49 | 9 14 | 8 52 | 11 7 | 1 47 | 3 59 |
| S 30 | 15 29 | 9 7 | 4 32 | 20 32 | 1 10 | 2 15 | 7 4 | 10 58 | 2 2 | 16 9 | 0 48 | 20 28 | 1 26 | 3 30 | 0 43 | 9 22 | 1 48 | 4 1 | 13 48 | 9 13 | 8 54 | 11 9 | 1 46 | 3 58 |
| S 31 | 15s10 | 12n17 | 4s59 | 20s36 | 0n59 | 2s12 | 7n15 | 11s 5 | 2n 2 | 16n11 | 0s48 | 20n28 | 1s26 | 3s30 | 0n43 | 9n22 | 1s48 | 4n 1 | 13s48 | 9n13 | 8n55 | 11n11 | 1s45 | 3n58 |

Julian Day Number = 2226563.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'00, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'51, Lahiri = 15°15'52 Julian Calendar 1 Jan. 1384 == Greg. Calendar 9 Jan. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## FEBRUARY 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 14 26 | 20♒ 2'08 | 29♉14 | 23♋43 | 6°R40 | 4♏41 | 17♉ 1 | 9°D 6 | 10°R26 | 28♈44 | 18♉11 | 6°R19 | 7♍ 6 | 12♉36 | 16♓24 | M 1 |
| T 2 | 9 18 23 | 21° 2'38 | 11♊15 | 24°35 | 6♓14 | 5° 2 | 17° 6 | 9♊ 6 | 10♎24 | 28°45 | 18°11 | 6♍18 | 7° 3 | 12°43 | 16°27 | T 2 |
| W 3 | 9 22 20 | 22° 3'06 | 23°27 | 25°30 | 5°45 | 5°22 | 17°12 | 9° 6 | 10°23 | 28°47 | 18°11 | 6°16 | 6°59 | 12°49 | 16°31 | W 3 |
| T 4 | 9 26 16 | 23° 3'32 | 5♋54 | 26°28 | 5°15 | 5°42 | 17°19 | 9° 6 | 10°22 | 28°48 | 18°11 | 6°15 | 6°56 | 12°56 | 16°34 | T 4 |
| F 5 | 9 30 13 | 24° 3'57 | 18°39 | 27°29 | 4°43 | 6° 2 | 17°25 | 9° 7 | 10°20 | 28°49 | 18°12 | 6°13 | 6°53 | 13° 3 | 16°37 | F 5 |
| S 6 | 9 34 9 | 25° 4'19 | 1♌43 | 28°32 | 4°10 | 6°21 | 17°31 | 9° 7 | 10°19 | 28°50 | 18°12 | 6°11 | 6°50 | 13°10 | 16°41 | S 6 |
| S 7 | 9 38 6 | 26° 4'40 | 15° 7 | 29°38 | 3°35 | 6°40 | 17°38 | 9° 8 | 10°17 | 28°51 | 18°12 | 6°10 | 6°47 | 13°16 | 16°44 | S 7 |
| M 8 | 9 42 2 | 27° 4'59 | 28°50 | 0♒46 | 3° 0 | 6°59 | 17°45 | 9° 8 | 10°15 | 28°52 | 18°13 | 6° 9 | 6°44 | 13°23 | 16°48 | M 8 |
| T 9 | 9 45 59 | 28° 5'16 | 12♍49 | 1°55 | 2°23 | 7°17 | 17°52 | 9° 9 | 10°14 | 28°54 | 18°13 | 6°D 9 | 6°40 | 13°30 | 16°52 | T 9 |
| W10 | 9 49 55 | 29° 5'31 | 26°59 | 3° 7 | 1°46 | 7°35 | 17°59 | 9°10 | 10°12 | 28°55 | 18°13 | 6°10 | 6°37 | 13°36 | 16°55 | W10 |
| T 11 | 9 53 52 | 0♓ 5'45 | 11♎18 | 4°21 | 1° 8 | 7°53 | 18° 6 | 9°11 | 10°10 | 28°56 | 18°14 | 6°10 | 6°34 | 13°43 | 16°59 | T 11 |
| F 12 | 9 57 49 | 1° 5'57 | 25°40 | 5°36 | 0°30 | 8° 9 | 18°14 | 9°13 | 10° 9 | 28°58 | 18°14 | 6°11 | 6°31 | 13°50 | 17° 2 | F 12 |
| S 13 | 10 1 45 | 2° 6'08 | 10♏ 1 | 6°54 | 29♒53 | 8°26 | 18°21 | 9°14 | 10° 7 | 28°59 | 18°14 | 6°11 | 6°28 | 13°56 | 17° 6 | S 13 |
| S 14 | 10 5 42 | 3° 6'17 | 24°18 | 8°12 | 29°16 | 8°42 | 18°29 | 9°15 | 10° 5 | 29° 1 | 18°15 | 6°11 | 6°25 | 14° 3 | 17° 9 | S 14 |
| M15 | 10 9 38 | 4° 6'25 | 8♐28 | 9°32 | 28°39 | 8°58 | 18°37 | 9°17 | 10° 3 | 29° 2 | 18°15 | 6°R12 | 6°21 | 14°10 | 17°13 | M15 |
| T 16 | 10 13 35 | 5° 6'31 | 22°29 | 10°54 | 28° 4 | 9°13 | 18°45 | 9°18 | 10° 1 | 29° 4 | 18°16 | 6°11 | 6°18 | 14°17 | 17°17 | T 16 |
| W17 | 10 17 31 | 6° 6'36 | 6♑20 | 12°17 | 27°29 | 9°28 | 18°53 | 9°20 | 9°59 | 29° 5 | 18°16 | 6°D11 | 6°15 | 14°23 | 17°20 | W17 |
| T 18 | 10 21 28 | 7° 6'39 | 19°59 | 13°42 | 26°56 | 9°42 | 19° 1 | 9°22 | 9°57 | 29° 7 | 18°17 | 6°11 | 6°12 | 14°30 | 17°24 | T 18 |
| F 19 | 10 25 24 | 8° 6'40 | 3♒25 | 15° 8 | 26°25 | 9°55 | 19°10 | 9°24 | 9°55 | 29° 8 | 18°17 | 6°12 | 6° 9 | 14°37 | 17°28 | F 19 |
| S 20 | 10 29 21 | 9° 6'40 | 16°39 | 16°35 | 25°55 | 10° 9 | 19°18 | 9°26 | 9°53 | 29°10 | 18°18 | 6°12 | 6° 5 | 14°43 | 17°31 | S 20 |
| S 21 | 10 33 18 | 10° 6'37 | 29°39 | 18° 3 | 25°27 | 10°21 | 19°27 | 9°28 | 9°51 | 29°11 | 18°19 | 6°R12 | 6° 2 | 14°50 | 17°35 | S 21 |
| M22 | 10 37 14 | 11° 6'33 | 12♓25 | 19°33 | 25° 1 | 10°33 | 19°36 | 9°30 | 9°49 | 29°13 | 18°19 | 6°12 | 5°59 | 14°57 | 17°39 | M22 |
| T 23 | 10 41 11 | 12° 6'27 | 24°58 | 21° 4 | 24°38 | 10°45 | 19°44 | 9°33 | 9°47 | 29°15 | 18°20 | 6°12 | 5°56 | 15° 4 | 17°42 | T 23 |
| W24 | 10 45 7 | 13° 6'18 | 7♈19 | 22°36 | 24°16 | 10°56 | 19°54 | 9°35 | 9°44 | 29°16 | 18°20 | 6°11 | 5°53 | 15°10 | 17°46 | W24 |
| T 25 | 10 49 4 | 14° 6'08 | 19°28 | 24° 9 | 23°57 | 11° 6 | 20° 3 | 9°38 | 9°42 | 29°18 | 18°21 | 6°10 | 5°50 | 15°17 | 17°50 | T 25 |
| F 26 | 10 53 0 | 15° 5'55 | 1♉28 | 25°44 | 23°40 | 11°16 | 20°12 | 9°41 | 9°40 | 29°20 | 18°22 | 6° 9 | 5°46 | 15°24 | 17°53 | F 26 |
| S 27 | 10 56 57 | 16° 5'41 | 13°23 | 27°20 | 23°26 | 11°25 | 20°21 | 9°43 | 9°38 | 29°21 | 18°22 | 6° 8 | 5°43 | 15°30 | 17°57 | S 27 |
| S 28 | 11 0 53 | 17° 5'24 | 25°14 | 28°57 | 23°14 | 11°34 | 20°31 | 9°46 | 9°35 | 29°23 | 18°23 | 6° 6 | 5°40 | 15°37 | 18° 1 | S 28 |
| M29 | 11 4 50 | 18♓ 5'04 | 7♊ 8 | 0♓35 | 23♒ 4 | 11♏42 | 20♉41 | 9♊49 | 9♎33 | 29♈25 | 18♉24 | 6♍ 6 | 5♍37 | 15♉44 | 18♓ 4 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s51 | 14n57 | 5s14 | 20s39 | 0n48 | 2s11 | 7n26 | 11s12 | 2n 2 | 16n13 | 0s48 | 20n28 | 1s26 | 3s29 | 0n43 | 9n23 | 1s48 | 4n 1 | 13s48 | 9n13 | 8n56 | 11n12 | 1s44 | 3n58 |
| T 2 | 14 32 | 17 0 | 5 15 | 20 40 | 0 37 | 2 10 | 7 37 | 11 19 | 2 2 | 16 15 | 0 47 | 20 28 | 1 26 | 3 29 | 0 43 | 9 23 | 1 48 | 4 2 | 13 47 | 9 14 | 8 57 | 11 14 | 1 43 | 3 58 |
| W 3 | 14 12 | 18 20 | 5 2 | 20 41 | 0 26 | 2 11 | 7 47 | 11 26 | 2 2 | 16 16 | 0 47 | 20 29 | 1 25 | 3 28 | 0 43 | 9 24 | 1 48 | 4 2 | 13 47 | 9 14 | 8 58 | 11 16 | 1 41 | 3 58 |
| T 4 | 13 53 | 18 48 | 4 35 | 20 40 | 0 16 | 2 13 | 7 57 | 11 32 | 2 2 | 16 18 | 0 47 | 20 29 | 1 25 | 3 28 | 0 43 | 9 24 | 1 48 | 4 3 | 13 47 | 9 15 | 9 0 | 11 17 | 1 40 | 3 58 |
| F 5 | 13 33 | 18 21 | 3 54 | 20 38 | 0 6 | 2 16 | 8 5 | 11 39 | 2 3 | 16 20 | 0 47 | 20 29 | 1 25 | 3 27 | 0 43 | 9 25 | 1 48 | 4 3 | 13 46 | 9 16 | 9 1 | 11 19 | 1 39 | 3 57 |
| S 6 | 13 12 | 16 56 | 2 59 | 20 35 | 0s 4 | 2 21 | 8 13 | 11 45 | 2 3 | 16 22 | 0 46 | 20 30 | 1 25 | 3 26 | 0 43 | 9 25 | 1 48 | 4 3 | 13 46 | 9 16 | 9 2 | 11 20 | 1 38 | 3 57 |
| S 7 | 12 52 | 14 32 | 1 54 | 20 31 | 0 14 | 2 26 | 8 20 | 11 51 | 2 3 | 16 25 | 0 46 | 20 30 | 1 24 | 3 26 | 0 43 | 9 25 | 1 48 | 4 4 | 13 46 | 9 17 | 9 3 | 11 22 | 1 37 | 3 57 |
| M 8 | 12 31 | 11 17 | 0 40 | 20 25 | 0 23 | 2 33 | 8 27 | 11 57 | 2 3 | 16 27 | 0 46 | 20 30 | 1 24 | 3 25 | 0 43 | 9 26 | 1 48 | 4 4 | 13 45 | 9 17 | 9 4 | 11 24 | 1 35 | 3 57 |
| T 9 | 12 11 | 7 20 | 0n37 | 20 19 | 0 32 | 2 41 | 8 32 | 12 3 | 2 3 | 16 29 | 0 46 | 20 31 | 1 24 | 3 24 | 0 43 | 9 26 | 1 48 | 4 4 | 13 45 | 9 17 | 9 5 | 11 25 | 1 34 | 3 57 |
| W10 | 11 50 | 2 56 | 1 53 | 20 10 | 0 40 | 2 50 | 8 36 | 12 9 | 2 3 | 16 31 | 0 45 | 20 31 | 1 24 | 3 24 | 0 43 | 9 27 | 1 48 | 4 5 | 13 45 | 9 17 | 9 7 | 11 27 | 1 33 | 3 57 |
| T 11 | 11 28 | 1s41 | 3 3 | 20 1 | 0 48 | 3 0 | 8 40 | 12 14 | 2 3 | 16 33 | 0 45 | 20 31 | 1 24 | 3 23 | 0 43 | 9 28 | 1 47 | 4 5 | 13 44 | 9 17 | 9 8 | 11 29 | 1 32 | 3 57 |
| F 12 | 11 7 | 6 12 | 4 1 | 19 50 | 0 56 | 3 11 | 8 42 | 12 20 | 2 3 | 16 36 | 0 45 | 20 32 | 1 23 | 3 22 | 0 43 | 9 28 | 1 47 | 4 6 | 13 44 | 9 16 | 9 9 | 11 30 | 1 30 | 3 57 |
| S 13 | 10 46 | 10 22 | 4 45 | 19 38 | 1 4 | 3 22 | 8 44 | 12 25 | 2 3 | 16 38 | 0 45 | 20 32 | 1 23 | 3 22 | 0 43 | 9 29 | 1 47 | 4 6 | 13 44 | 9 16 | 9 10 | 11 32 | 1 29 | 3 56 |
| S 14 | 10 24 | 13 53 | 5 11 | 19 25 | 1 11 | 3 34 | 8 44 | 12 30 | 2 3 | 16 40 | 0 44 | 20 33 | 1 23 | 3 21 | 0 43 | 9 29 | 1 47 | 4 6 | 13 44 | 9 16 | 9 11 | 11 34 | 1 28 | 3 56 |
| M15 | 10 2 | 16 34 | 5 17 | 19 10 | 1 18 | 3 47 | 8 44 | 12 35 | 2 3 | 16 43 | 0 44 | 20 33 | 1 23 | 3 20 | 0 43 | 9 30 | 1 47 | 4 7 | 13 43 | 9 16 | 9 13 | 11 35 | 1 26 | 3 56 |
| T 16 | 9 40 | 18 14 | 5 5 | 18 54 | 1 24 | 4 0 | 8 42 | 12 40 | 2 3 | 16 45 | 0 44 | 20 34 | 1 22 | 3 19 | 0 43 | 9 30 | 1 47 | 4 7 | 13 43 | 9 16 | 9 14 | 11 37 | 1 25 | 3 56 |
| W17 | 9 18 | 18 48 | 4 35 | 18 37 | 1 30 | 4 14 | 8 40 | 12 45 | 2 3 | 16 48 | 0 44 | 20 34 | 1 22 | 3 19 | 0 43 | 9 31 | 1 47 | 4 8 | 13 43 | 9 16 | 9 15 | 11 39 | 1 24 | 3 56 |
| T 18 | 8 56 | 18 15 | 3 49 | 18 18 | 1 36 | 4 28 | 8 37 | 12 49 | 2 3 | 16 50 | 0 44 | 20 35 | 1 22 | 3 18 | 0 43 | 9 31 | 1 47 | 4 8 | 13 42 | 9 16 | 9 16 | 11 40 | 1 22 | 3 56 |
| F 19 | 8 33 | 16 40 | 2 52 | 17 58 | 1 41 | 4 42 | 8 33 | 12 54 | 2 3 | 16 53 | 0 43 | 20 35 | 1 22 | 3 17 | 0 43 | 9 32 | 1 47 | 4 9 | 13 42 | 9 16 | 9 17 | 11 42 | 1 21 | 3 56 |
| S 20 | 8 11 | 14 12 | 1 46 | 17 36 | 1 46 | 4 57 | 8 28 | 12 58 | 2 3 | 16 55 | 0 43 | 20 36 | 1 21 | 3 16 | 0 43 | 9 33 | 1 47 | 4 9 | 13 42 | 9 16 | 9 18 | 11 43 | 1 20 | 3 56 |
| S 21 | 7 48 | 11 4 | 0 36 | 17 14 | 1 51 | 5 11 | 8 22 | 13 2 | 2 2 | 16 58 | 0 43 | 20 36 | 1 21 | 3 15 | 0 43 | 9 33 | 1 47 | 4 9 | 13 41 | 9 16 | 9 20 | 11 45 | 1 18 | 3 56 |
| M22 | 7 25 | 7 27 | 0s34 | 16 50 | 1 55 | 5 26 | 8 16 | 13 6 | 2 2 | 17 0 | 0 43 | 20 37 | 1 21 | 3 14 | 0 43 | 9 34 | 1 47 | 4 10 | 13 41 | 9 16 | 9 21 | 11 47 | 1 17 | 3 56 |
| T 23 | 7 3 | 3 34 | 1 42 | 16 24 | 1 59 | 5 40 | 8 8 | 13 10 | 2 2 | 17 3 | 0 42 | 20 38 | 1 21 | 3 14 | 0 43 | 9 34 | 1 47 | 4 10 | 13 41 | 9 16 | 9 22 | 11 48 | 1 16 | 3 56 |
| W24 | 6 40 | 0n24 | 2 44 | 15 57 | 2 2 | 5 55 | 8 1 | 13 13 | 2 2 | 17 6 | 0 42 | 20 38 | 1 20 | 3 13 | 0 43 | 9 35 | 1 47 | 4 11 | 13 41 | 9 16 | 9 23 | 11 50 | 1 14 | 3 55 |
| T 25 | 6 17 | 4 17 | 3 38 | 15 29 | 2 5 | 6 9 | 7 52 | 13 17 | 2 2 | 17 8 | 0 42 | 20 39 | 1 20 | 3 12 | 0 43 | 9 36 | 1 47 | 4 11 | 13 40 | 9 17 | 9 24 | 11 52 | 1 13 | 3 55 |
| F 26 | 5 53 | 7 57 | 4 21 | 14 59 | 2 8 | 6 22 | 7 44 | 13 20 | 2 1 | 17 11 | 0 42 | 20 39 | 1 20 | 3 11 | 0 43 | 9 36 | 1 47 | 4 12 | 13 40 | 9 17 | 9 25 | 11 53 | 1 12 | 3 55 |
| S 27 | 5 30 | 11 16 | 4 52 | 14 28 | 2 10 | 6 36 | 7 34 | 13 23 | 2 1 | 17 14 | 0 42 | 20 40 | 1 20 | 3 10 | 0 43 | 9 37 | 1 47 | 4 12 | 13 40 | 9 18 | 9 27 | 11 55 | 1 10 | 3 55 |
| S 28 | 5 7 | 14 6 | 5 11 | 13 56 | 2 12 | 6 49 | 7 25 | 13 26 | 2 1 | 17 16 | 0 41 | 20 41 | 1 20 | 3 9 | 0 43 | 9 38 | 1 47 | 4 13 | 13 39 | 9 18 | 9 28 | 11 56 | 1 9 | 3 55 |
| M29 | 4s44 | 16n22 | 5s16 | 13s23 | 2s13 | 7s 1 | 7n15 | 13s29 | 2n 1 | 17n19 | 0s41 | 20n41 | 1s19 | 3s 8 | 0n43 | 9n38 | 1s47 | 4n13 | 13s39 | 9n18 | 9n29 | 11n58 | 1s 7 | 3n55 |

Julian Day Number = 2226594.5, Delta T = 08m18s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°08'56, Lahiri = 15°15'56 Julian Calendar 1 Feb. 1384 == Greg. Calendar 9 Feb. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## MARCH 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 8 46 | 19♓ 4'43 | 19♊ 7 | 2♓15 | 22°R57 | 11♏50 | 20♉50 | 9♊52 | 9°R31 | 29♈27 | 18♉25 | 6°D 5 | 5♍34 | 15♉51 | 18♓ 8 | T 1 |
| W 2 | 11 12 43 | 20° 4'19 | 1♋17 | 3°55 | 22♒52 | 11°56 | 21° 0 | 9°56 | 9♎28 | 29°29 | 18°25 | 6♍ 6 | 5°30 | 15°57 | 18°12 | W 2 |
| T 3 | 11 16 40 | 21° 3'53 | 13°42 | 5°37 | 22°D50 | 12° 2 | 21°10 | 9°59 | 9°26 | 29°30 | 18°26 | 6° 6 | 5°27 | 16° 4 | 18°15 | T 3 |
| F 4 | 11 20 36 | 22° 3'25 | 26°26 | 7°21 | 22°50 | 12° 8 | 21°20 | 10° 2 | 9°24 | 29°32 | 18°27 | 6° 8 | 5°24 | 16°11 | 18°19 | F 4 |
| S 5 | 11 24 33 | 23° 2'54 | 9♌33 | 9° 5 | 22°53 | 12°13 | 21°31 | 10° 6 | 9°21 | 29°34 | 18°28 | 6° 9 | 5°21 | 16°17 | 18°23 | S 5 |
| S 6 | 11 28 29 | 24° 2'21 | 23° 4 | 10°51 | 22°58 | 12°17 | 21°41 | 10° 9 | 9°19 | 29°36 | 18°29 | 6°10 | 5°18 | 16°24 | 18°26 | S 6 |
| M 7 | 11 32 26 | 25° 1'46 | 7♍ 0 | 12°38 | 23° 5 | 12°21 | 21°51 | 10°13 | 9°16 | 29°38 | 18°30 | 6°R10 | 5°15 | 16°31 | 18°30 | M 7 |
| T 8 | 11 36 22 | 26° 1'08 | 21°18 | 14°27 | 23°14 | 12°23 | 22° 2 | 10°17 | 9°14 | 29°40 | 18°30 | 6°10 | 5°11 | 16°38 | 18°34 | T 8 |
| W 9 | 11 40 19 | 27° 0'29 | 5♎53 | 16°16 | 23°26 | 12°25 | 22°13 | 10°21 | 9°11 | 29°42 | 18°31 | 6° 8 | 5° 8 | 16°44 | 18°37 | W 9 |
| T 10 | 11 44 15 | 27°59'47 | 20°40 | 18° 7 | 23°40 | 12°27 | 22°23 | 10°25 | 9° 9 | 29°44 | 18°32 | 6° 6 | 5° 5 | 16°51 | 18°41 | T 10 |
| F 11 | 11 48 12 | 28°59'04 | 5♏31 | 20° 0 | 23°56 | 12°R28 | 22°34 | 10°29 | 9° 6 | 29°46 | 18°33 | 6° 3 | 5° 2 | 16°58 | 18°45 | F 11 |
| S 12 | 11 52 9 | 29°58'18 | 20°17 | 21°54 | 24°13 | 12°28 | 22°45 | 10°33 | 9° 4 | 29°48 | 18°34 | 6° 0 | 4°59 | 17° 4 | 18°48 | S 12 |
| S 13 | 11 56 5 | 0♈57'31 | 4♐53 | 23°49 | 24°33 | 12°27 | 22°56 | 10°37 | 9° 1 | 29°50 | 18°35 | 5°57 | 4°56 | 17°11 | 18°52 | S 13 |
| M14 | 12 0 2 | 1°56'43 | 19°12 | 25°45 | 24°54 | 12°25 | 23° 7 | 10°41 | 8°59 | 29°52 | 18°36 | 5°55 | 4°52 | 17°18 | 18°56 | M14 |
| T 15 | 12 3 58 | 2°55'52 | 3♑14 | 27°43 | 25°18 | 12°23 | 23°18 | 10°46 | 8°56 | 29°54 | 18°37 | 5°D55 | 4°49 | 17°25 | 18°59 | T 15 |
| W16 | 12 7 55 | 3°55'00 | 16°56 | 29°42 | 25°43 | 12°20 | 23°30 | 10°50 | 8°53 | 29°56 | 18°38 | 5°55 | 4°46 | 17°31 | 19° 3 | W16 |
| T 17 | 12 11 51 | 4°54'06 | 0♒19 | 1♈42 | 26°10 | 12°16 | 23°41 | 10°55 | 8°51 | 29°58 | 18°39 | 5°57 | 4°43 | 17°38 | 19° 6 | T 17 |
| F 18 | 12 15 48 | 5°53'10 | 13°26 | 3°43 | 26°38 | 12°12 | 23°52 | 11° 0 | 8°48 | 0♉ 0 | 18°40 | 5°58 | 4°40 | 17°45 | 19°10 | F 18 |
| S 19 | 12 19 44 | 6°52'12 | 26°18 | 5°46 | 27° 8 | 12° 6 | 24° 4 | 11° 4 | 8°46 | 0° 2 | 18°41 | 6° 0 | 4°36 | 17°51 | 19°14 | S 19 |
| S 20 | 12 23 41 | 7°51'12 | 8♓56 | 7°49 | 27°39 | 12° 0 | 24°16 | 11° 9 | 8°43 | 0° 4 | 18°42 | 6°R 0 | 4°33 | 17°58 | 19°17 | S 20 |
| M21 | 12 27 38 | 8°50'11 | 21°23 | 9°53 | 28°12 | 11°53 | 24°27 | 11°14 | 8°41 | 0° 6 | 18°43 | 5°59 | 4°30 | 18° 5 | 19°21 | M21 |
| T 22 | 12 31 34 | 9°49'07 | 3♈41 | 11°58 | 28°46 | 11°45 | 24°39 | 11°19 | 8°38 | 0° 9 | 18°44 | 5°56 | 4°27 | 18°12 | 19°24 | T 22 |
| W23 | 12 35 31 | 10°48'01 | 15°50 | 14° 3 | 29°21 | 11°37 | 24°51 | 11°24 | 8°35 | 0°11 | 18°45 | 5°51 | 4°24 | 18°18 | 19°28 | W23 |
| T 24 | 12 39 27 | 11°46'54 | 27°52 | 16° 9 | 29°58 | 11°28 | 25° 3 | 11°29 | 8°33 | 0°13 | 18°46 | 5°45 | 4°21 | 18°25 | 19°31 | T 24 |
| F 25 | 12 43 24 | 12°45'44 | 9♉48 | 18°15 | 0♓36 | 11°18 | 25°15 | 11°35 | 8°30 | 0°15 | 18°48 | 5°39 | 4°17 | 18°32 | 19°35 | F 25 |
| S 26 | 12 47 20 | 13°44'32 | 21°41 | 20°20 | 1°15 | 11° 7 | 25°27 | 11°40 | 8°28 | 0°17 | 18°49 | 5°32 | 4°14 | 18°39 | 19°38 | S 26 |
| S 27 | 12 51 17 | 14°43'18 | 3♊32 | 22°26 | 1°55 | 10°56 | 25°39 | 11°45 | 8°25 | 0°19 | 18°50 | 5°25 | 4°11 | 18°45 | 19°41 | S 27 |
| M28 | 12 55 13 | 15°42'02 | 15°25 | 24°30 | 2°36 | 10°43 | 25°51 | 11°51 | 8°22 | 0°22 | 18°51 | 5°20 | 4° 8 | 18°52 | 19°45 | M28 |
| T 29 | 12 59 10 | 16°40'44 | 27°23 | 26°33 | 3°19 | 10°30 | 26° 4 | 11°56 | 8°20 | 0°24 | 18°52 | 5°16 | 4° 5 | 18°59 | 19°48 | T 29 |
| W30 | 13 3 6 | 17°39'23 | 9♋31 | 28°35 | 4° 2 | 10°17 | 26°16 | 12° 2 | 8°17 | 0°26 | 18°53 | 5°14 | 4° 1 | 19° 5 | 19°52 | W30 |
| T 31 | 13 7 3 | 18♈38'01 | 21♋52 | 0♉35 | 4♓46 | 10♏ 2 | 26♉28 | 12♊ 8 | 8♎15 | 0♉28 | 18♉54 | 5°D13 | 3♍58 | 19♉12 | 19♓55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s20 | 17n57 | 5s 8 | 12s48 | 2s14 | 7s13 | 7n 4 | 13s31 | 2n 0 | 17n22 | 0s41 | 20n42 | 1s19 | 3s 7 | 0n43 | 9n39 | 1s47 | 4n13 | 13s39 | 9n18 | 9n30 | 12n 0 | 1s 6 | 3n55 |
| W 2 | 3 57 | 18 44 | 4 47 | 12 11 | 2 15 | 7 25 | 6 54 | 13 34 | 2 0 | 17 25 | 0 41 | 20 43 | 1 19 | 3 6 | 0 43 | 9 40 | 1 47 | 4 14 | 13 39 | 9 18 | 9 31 | 12 1 | 1 5 | 3 55 |
| T 3 | 3 33 | 18 39 | 4 11 | 11 34 | 2 15 | 7 36 | 6 43 | 13 36 | 1 59 | 17 27 | 0 41 | 20 43 | 1 19 | 3 5 | 0 43 | 9 40 | 1 47 | 4 14 | 13 38 | 9 18 | 9 32 | 12 3 | 1 3 | 3 55 |
| F 4 | 3 10 | 17 37 | 3 22 | 10 55 | 2 14 | 7 46 | 6 32 | 13 38 | 1 59 | 17 30 | 0 40 | 20 44 | 1 18 | 3 4 | 0 43 | 9 41 | 1 46 | 4 15 | 13 38 | 9 18 | 9 34 | 12 4 | 1 2 | 3 55 |
| S 5 | 2 46 | 15 38 | 2 22 | 10 15 | 2 13 | 7 56 | 6 21 | 13 40 | 1 59 | 17 33 | 0 40 | 20 45 | 1 18 | 3 3 | 0 43 | 9 42 | 1 46 | 4 15 | 13 38 | 9 17 | 9 35 | 12 6 | 1 1 | 3 55 |
| S 6 | 2 22 | 12 45 | 1 12 | 9 33 | 2 12 | 8 5 | 6 10 | 13 42 | 1 58 | 17 36 | 0 40 | 20 46 | 1 18 | 3 2 | 0 43 | 9 42 | 1 46 | 4 16 | 13 38 | 9 17 | 9 36 | 12 8 | 0 59 | 3 55 |
| M 7 | 1 59 | 9 3 | 0n 5 | 8 50 | 2 10 | 8 13 | 5 58 | 13 44 | 1 58 | 17 39 | 0 40 | 20 46 | 1 18 | 3 1 | 0 43 | 9 43 | 1 46 | 4 16 | 13 37 | 9 17 | 9 37 | 12 9 | 0 58 | 3 55 |
| T 8 | 1 35 | 4 44 | 1 22 | 8 6 | 2 7 | 8 21 | 5 47 | 13 45 | 1 57 | 17 42 | 0 40 | 20 47 | 1 17 | 3 0 | 0 43 | 9 44 | 1 46 | 4 17 | 13 37 | 9 17 | 9 38 | 12 11 | 0 56 | 3 55 |
| W 9 | 1 12 | 0 3 | 2 37 | 7 21 | 2 4 | 8 28 | 5 36 | 13 46 | 1 56 | 17 45 | 0 39 | 20 48 | 1 17 | 2 59 | 0 43 | 9 45 | 1 46 | 4 17 | 13 37 | 9 17 | 9 39 | 12 12 | 0 55 | 3 55 |
| T 10 | 0 48 | 4s41 | 3 41 | 6 34 | 2 1 | 8 34 | 5 24 | 13 47 | 1 56 | 17 48 | 0 39 | 20 49 | 1 17 | 2 58 | 0 43 | 9 45 | 1 46 | 4 18 | 13 37 | 9 18 | 9 41 | 12 14 | 0 54 | 3 55 |
| F 11 | 0 24 | 9 9 | 4 31 | 5 46 | 1 57 | 8 40 | 5 13 | 13 48 | 1 55 | 17 51 | 0 39 | 20 49 | 1 17 | 2 57 | 0 43 | 9 46 | 1 46 | 4 18 | 13 36 | 9 19 | 9 42 | 12 16 | 0 52 | 3 55 |
| S 12 | 0 1 | 13 1 | 5 3 | 4 57 | 1 53 | 8 45 | 5 2 | 13 49 | 1 54 | 17 54 | 0 39 | 20 50 | 1 17 | 2 56 | 0 43 | 9 47 | 1 46 | 4 19 | 13 36 | 9 21 | 9 43 | 12 17 | 0 51 | 3 55 |
| S 13 | 0n23 | 16 2 | 5 14 | 4 7 | 1 48 | 8 49 | 4 50 | 13 49 | 1 54 | 17 57 | 0 39 | 20 51 | 1 16 | 2 55 | 0 43 | 9 48 | 1 46 | 4 19 | 13 36 | 9 22 | 9 44 | 12 19 | 0 49 | 3 55 |
| M14 | 0 47 | 18 0 | 5 6 | 3 15 | 1 42 | 8 52 | 4 39 | 13 50 | 1 53 | 18 0 | 0 39 | 20 52 | 1 16 | 2 54 | 0 43 | 9 48 | 1 46 | 4 20 | 13 36 | 9 22 | 9 45 | 12 20 | 0 48 | 3 55 |
| T 15 | 1 10 | 18 49 | 4 39 | 2 23 | 1 36 | 8 55 | 4 28 | 13 50 | 1 52 | 18 2 | 0 38 | 20 53 | 1 16 | 2 53 | 0 43 | 9 49 | 1 46 | 4 20 | 13 35 | 9 22 | 9 46 | 12 22 | 0 47 | 3 55 |
| W16 | 1 34 | 18 31 | 3 57 | 1 29 | 1 29 | 8 57 | 4 17 | 13 50 | 1 51 | 18 5 | 0 38 | 20 54 | 1 16 | 2 52 | 0 43 | 9 50 | 1 46 | 4 21 | 13 35 | 9 22 | 9 48 | 12 24 | 0 45 | 3 55 |
| T 17 | 1 57 | 17 10 | 3 3 | 0 35 | 1 22 | 8 59 | 4 6 | 13 49 | 1 50 | 18 8 | 0 38 | 20 54 | 1 16 | 2 51 | 0 43 | 9 51 | 1 46 | 4 21 | 13 35 | 9 22 | 9 49 | 12 25 | 0 44 | 3 55 |
| F 18 | 2 21 | 14 55 | 2 1 | 0n20 | 1 15 | 8 59 | 3 55 | 13 49 | 1 49 | 18 11 | 0 38 | 20 55 | 1 15 | 2 50 | 0 43 | 9 51 | 1 46 | 4 21 | 13 35 | 9 21 | 9 50 | 12 27 | 0 42 | 3 55 |
| S 19 | 2 44 | 11 58 | 0 53 | 1 16 | 1 7 | 8 59 | 3 44 | 13 48 | 1 48 | 18 15 | 0 38 | 20 56 | 1 15 | 2 49 | 0 43 | 9 52 | 1 46 | 4 22 | 13 34 | 9 21 | 9 51 | 12 28 | 0 41 | 3 55 |
| S 20 | 3 8 | 8 30 | 0s16 | 2 13 | 0 58 | 8 59 | 3 34 | 13 47 | 1 47 | 18 18 | 0 37 | 20 57 | 1 15 | 2 48 | 0 43 | 9 53 | 1 46 | 4 22 | 13 34 | 9 20 | 9 52 | 12 30 | 0 40 | 3 55 |
| M21 | 3 31 | 4 42 | 1 23 | 3 10 | 0 49 | 8 57 | 3 23 | 13 46 | 1 46 | 18 21 | 0 37 | 20 58 | 1 15 | 2 47 | 0 43 | 9 54 | 1 46 | 4 23 | 13 34 | 9 21 | 9 53 | 12 32 | 0 38 | 3 55 |
| T 22 | 3 54 | 0 45 | 2 25 | 4 8 | 0 40 | 8 55 | 3 13 | 13 45 | 1 44 | 18 24 | 0 37 | 20 59 | 1 15 | 2 46 | 0 43 | 9 54 | 1 46 | 4 23 | 13 34 | 9 22 | 9 55 | 12 33 | 0 37 | 3 55 |
| W23 | 4 17 | 3n10 | 3 20 | 5 6 | 0 30 | 8 53 | 3 3 | 13 44 | 1 43 | 18 27 | 0 37 | 21 0 | 1 14 | 2 45 | 0 43 | 9 55 | 1 46 | 4 24 | 13 34 | 9 24 | 9 56 | 12 35 | 0 35 | 3 55 |
| T 24 | 4 40 | 6 56 | 4 5 | 6 4 | 0 20 | 8 49 | 2 53 | 13 42 | 1 42 | 18 30 | 0 37 | 21 0 | 1 14 | 2 44 | 0 43 | 9 56 | 1 46 | 4 24 | 13 33 | 9 26 | 9 57 | 12 36 | 0 34 | 3 55 |
| F 25 | 5 3 | 10 23 | 4 39 | 7 2 | 0 9 | 8 45 | 2 43 | 13 40 | 1 41 | 18 33 | 0 37 | 21 1 | 1 14 | 2 43 | 0 43 | 9 57 | 1 46 | 4 25 | 13 33 | 9 28 | 9 58 | 12 38 | 0 33 | 3 55 |
| S 26 | 5 26 | 13 24 | 5 1 | 8 0 | 0n 2 | 8 40 | 2 34 | 13 38 | 1 39 | 18 36 | 0 37 | 21 2 | 1 14 | 2 42 | 0 43 | 9 57 | 1 46 | 4 25 | 13 33 | 9 31 | 9 59 | 12 40 | 0 31 | 3 55 |
| S 27 | 5 49 | 15 52 | 5 10 | 8 57 | 0 13 | 8 35 | 2 24 | 13 36 | 1 38 | 18 39 | 0 36 | 21 3 | 1 14 | 2 41 | 0 43 | 9 58 | 1 46 | 4 26 | 13 33 | 9 33 | 10 0 | 12 41 | 0 30 | 3 55 |
| M28 | 6 12 | 17 40 | 5 5 | 9 53 | 0 24 | 8 29 | 2 15 | 13 34 | 1 36 | 18 42 | 0 36 | 21 4 | 1 13 | 2 40 | 0 43 | 9 59 | 1 46 | 4 26 | 13 33 | 9 35 | 10 2 | 12 43 | 0 29 | 3 55 |
| T 29 | 6 35 | 18 42 | 4 47 | 10 49 | 0 35 | 8 22 | 2 6 | 13 31 | 1 35 | 18 45 | 0 36 | 21 5 | 1 13 | 2 39 | 0 43 | 10 0 | 1 46 | 4 27 | 13 32 | 9 37 | 10 3 | 12 44 | 0 27 | 3 55 |
| W30 | 6 57 | 18 55 | 4 16 | 11 43 | 0 46 | 8 15 | 1 56 | 13 29 | 1 33 | 18 48 | 0 36 | 21 6 | 1 13 | 2 38 | 0 43 | 10 1 | 1 46 | 4 27 | 13 32 | 9 37 | 10 4 | 12 46 | 0 26 | 3 55 |
| T 31 | 7n19 | 18n14 | 3s33 | 12n36 | 0n57 | 8s 8 | 1n48 | 13s26 | 1n31 | 18n51 | 0s36 | 21n 7 | 1s13 | 2s37 | 0n43 | 10n 1 | 1s46 | 4n28 | 13s32 | 9n38 | 10n 5 | 12n47 | 0s24 | 3n55 |

Julian Day Number = 2226623.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'00, Lahiri = 15°16'00 Julian Calendar 1 March 1384 == Greg. Calendar 9 March 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## APRIL 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 11 0 | 19♈36'36 | 4♌31 | 2♉33 | 5♓31 | 9°R47 | 26♉41 | 12♊13 | 8°R12 | 0♉31 | 18♉56 | 5♍14 | 3♍55 | 19♉19 | 19♓58 | F 1 |
| S 2 | 13 14 56 | 20°35'08 | 17°33 | 4°28 | 6°17 | 9♏32 | 26°53 | 12°19 | 8♎10 | 0°33 | 18°57 | 5°16 | 3°52 | 19°26 | 20° 1 | S 2 |
| S 3 | 13 18 53 | 21°33'39 | 1♍ 2 | 6°21 | 7° 4 | 9°16 | 27° 6 | 12°25 | 8° 7 | 0°35 | 18°58 | 5°R17 | 3°49 | 19°32 | 20° 5 | S 3 |
| M 4 | 13 22 49 | 22°32'07 | 14°58 | 8°10 | 7°51 | 8°59 | 27°19 | 12°31 | 8° 5 | 0°37 | 18°59 | 5°16 | 3°46 | 19°39 | 20° 8 | M 4 |
| T 5 | 13 26 46 | 23°30'33 | 29°22 | 9°57 | 8°40 | 8°41 | 27°31 | 12°37 | 8° 2 | 0°39 | 19° 1 | 5°14 | 3°42 | 19°46 | 20°11 | T 5 |
| W 6 | 13 30 42 | 24°28'57 | 14♎10 | 11°40 | 9°29 | 8°23 | 27°44 | 12°43 | 8° 0 | 0°42 | 19° 2 | 5°10 | 3°39 | 19°52 | 20°14 | W 6 |
| T 7 | 13 34 39 | 25°27'20 | 29°15 | 13°19 | 10°19 | 8° 5 | 27°57 | 12°49 | 7°57 | 0°44 | 19° 3 | 5° 3 | 3°36 | 19°59 | 20°18 | T 7 |
| F 8 | 13 38 35 | 26°25'40 | 14♏27 | 14°54 | 11° 9 | 7°46 | 28°10 | 12°55 | 7°55 | 0°46 | 19° 4 | 4°56 | 3°33 | 20° 6 | 20°21 | F 8 |
| S 9 | 13 42 32 | 27°23'59 | 29°36 | 16°25 | 12° 0 | 7°26 | 28°23 | 13° 2 | 7°53 | 0°48 | 19° 6 | 4°48 | 3°30 | 20°13 | 20°24 | S 9 |
| S 10 | 13 46 29 | 28°22'16 | 14♐33 | 17°52 | 12°52 | 7° 6 | 28°35 | 13° 8 | 7°50 | 0°51 | 19° 7 | 4°41 | 3°27 | 20°19 | 20°27 | S 10 |
| M11 | 13 50 25 | 29°20'32 | 29° 9 | 19°15 | 13°45 | 6°46 | 28°49 | 13°14 | 7°48 | 0°53 | 19° 8 | 4°36 | 3°23 | 20°26 | 20°30 | M11 |
| T 12 | 13 54 22 | 0♑18'46 | 13♑20 | 20°33 | 14°38 | 6°26 | 29° 2 | 13°21 | 7°46 | 0°55 | 19° 9 | 4°32 | 3°20 | 20°33 | 20°33 | T 12 |
| W13 | 13 58 18 | 1°16'58 | 27° 5 | 21°47 | 15°31 | 6° 5 | 29°15 | 13°27 | 7°43 | 0°57 | 19°11 | 4°D31 | 3°17 | 20°39 | 20°36 | W13 |
| T 14 | 14 2 15 | 2°15'09 | 10♒25 | 22°56 | 16°26 | 5°43 | 29°28 | 13°34 | 7°41 | 1° 0 | 19°12 | 4°31 | 3°14 | 20°46 | 20°39 | T 14 |
| F 15 | 14 6 11 | 3°13'19 | 23°23 | 24° 0 | 17°20 | 5°22 | 29°41 | 13°40 | 7°39 | 1° 2 | 19°13 | 4°32 | 3°11 | 20°53 | 20°42 | F 15 |
| S 16 | 14 10 8 | 4°11'27 | 6♓ 2 | 25° 0 | 18°16 | 5° 0 | 29°54 | 13°47 | 7°37 | 1° 4 | 19°15 | 4°R32 | 3° 7 | 21° 0 | 20°45 | S 16 |
| S 17 | 14 14 4 | 5° 9'34 | 18°27 | 25°55 | 19°11 | 4°38 | 0♊ 7 | 13°54 | 7°34 | 1° 7 | 19°16 | 4°31 | 3° 4 | 21° 6 | 20°48 | S 17 |
| M18 | 14 18 1 | 6° 7'39 | 0♈41 | 26°45 | 20° 8 | 4°16 | 0°21 | 14° 0 | 7°32 | 1° 9 | 19°17 | 4°28 | 3° 1 | 21°13 | 20°50 | M18 |
| T 19 | 14 21 58 | 7° 5'42 | 12°46 | 27°30 | 21° 4 | 3°54 | 0°34 | 14° 7 | 7°30 | 1°11 | 19°19 | 4°22 | 2°58 | 21°20 | 20°53 | T 19 |
| W20 | 14 25 54 | 8° 3'44 | 24°45 | 28°10 | 22° 2 | 3°32 | 0°48 | 14°14 | 7°28 | 1°13 | 19°20 | 4°14 | 2°55 | 21°26 | 20°56 | W20 |
| T 21 | 14 29 51 | 9° 1'45 | 6♉40 | 28°45 | 22°59 | 3°10 | 1° 1 | 14°21 | 7°26 | 1°16 | 19°21 | 4° 3 | 2°52 | 21°33 | 20°59 | T 21 |
| F 22 | 14 33 47 | 9°59'44 | 18°33 | 29°15 | 23°57 | 2°48 | 1°14 | 14°28 | 7°24 | 1°18 | 19°23 | 3°51 | 2°48 | 21°40 | 21° 1 | F 22 |
| S 23 | 14 37 44 | 10°57'41 | 0♊25 | 29°40 | 24°56 | 2°27 | 1°28 | 14°35 | 7°22 | 1°20 | 19°24 | 3°39 | 2°45 | 21°47 | 21° 4 | S 23 |
| S 24 | 14 41 40 | 11°55'37 | 12°17 | 29°59 | 25°54 | 2° 5 | 1°41 | 14°42 | 7°20 | 1°22 | 19°25 | 3°27 | 2°42 | 21°53 | 21° 7 | S 24 |
| M25 | 14 45 37 | 12°53'31 | 24°12 | 0♋15 | 26°53 | 1°44 | 1°55 | 14°49 | 7°18 | 1°24 | 19°27 | 3°16 | 2°39 | 22° 0 | 21° 9 | M25 |
| T 26 | 14 49 33 | 13°51'23 | 6♌12 | 0°24 | 27°53 | 1°22 | 2° 9 | 14°56 | 7°16 | 1°27 | 19°28 | 3° 8 | 2°36 | 22° 7 | 21°12 | T 26 |
| W27 | 14 53 30 | 14°49'14 | 18°20 | 0°R29 | 28°53 | 1° 2 | 2°22 | 15° 3 | 7°14 | 1°29 | 19°29 | 3° 3 | 2°33 | 22°14 | 21°14 | W27 |
| T 28 | 14 57 27 | 15°47'03 | 0♍40 | 0°29 | 29°53 | 0°41 | 2°36 | 15°10 | 7°12 | 1°31 | 19°31 | 3° 0 | 2°29 | 22°20 | 21°17 | T 28 |
| F 29 | 15 1 23 | 16°44'50 | 13°16 | 0°24 | 0♈53 | 0°21 | 2°49 | 15°17 | 7°10 | 1°33 | 19°32 | 2°D59 | 2°26 | 22°27 | 21°19 | F 29 |
| S 30 | 15 5 20 | 17♉42'36 | 26♍12 | 0♊14 | 1♈54 | 0♏ 2 | 3♊ 3 | 15♊25 | 7♎ 9 | 1♉36 | 19♉33 | 2°R59 | 2♍23 | 22♉34 | 21♓22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n42 | 16n38 | 2s39 | 13n27 | 1n 8 | 7s59 | 1n39 | 13s23 | 1n29 | 18n54 | 0s36 | 21n 8 | 1s13 | 2s36 | 0n43 | 10n 2 | 1s46 | 4n28 | 13s32 | 9n37 | 10n 6 | 12n49 | 0s23 | 3n55 |
| S 2 | 8 4 | 14 7 | 1 34 | 14 17 | 1 18 | 7 50 | 1 30 | 13 20 | 1 28 | 18 57 | 0 35 | 21 9 | 1 13 | 2 35 | 0 43 | 10 3 | 1 46 | 4 29 | 13 32 | 9 37 | 10 7 | 12 51 | 0 22 | 3 55 |
| S 3 | 8 26 | 10 47 | 0 23 | 15 4 | 1 29 | 7 41 | 1 22 | 13 16 | 1 26 | 19 0 | 0 35 | 21 10 | 1 12 | 2 34 | 0 43 | 10 4 | 1 46 | 4 29 | 13 32 | 9 36 | 10 9 | 12 52 | 0 20 | 3 55 |
| M 4 | 8 48 | 6 44 | 0n52 | 15 50 | 1 38 | 7 31 | 1 14 | 13 13 | 1 24 | 19 3 | 0 35 | 21 11 | 1 12 | 2 33 | 0 43 | 10 4 | 1 46 | 4 30 | 13 31 | 9 37 | 10 10 | 12 54 | 0 19 | 3 55 |
| T 5 | 9 10 | 2 11 | 2 6 | 16 33 | 1 48 | 7 20 | 1 6 | 13 9 | 1 22 | 19 6 | 0 35 | 21 12 | 1 12 | 2 32 | 0 43 | 10 5 | 1 46 | 4 30 | 13 31 | 9 37 | 10 11 | 12 55 | 0 18 | 3 55 |
| W 6 | 9 31 | 2s38 | 3 14 | 17 14 | 1 57 | 7 9 | 0 58 | 13 5 | 1 20 | 19 9 | 0 35 | 21 13 | 1 12 | 2 31 | 0 43 | 10 6 | 1 46 | 4 30 | 13 31 | 9 39 | 10 12 | 12 57 | 0 17 | 3 55 |
| T 7 | 9 53 | 7 21 | 4 9 | 17 52 | 2 5 | 6 57 | 0 50 | 13 1 | 1 18 | 19 12 | 0 35 | 21 13 | 1 12 | 2 30 | 0 43 | 10 7 | 1 46 | 4 31 | 13 31 | 9 41 | 10 13 | 12 58 | 0 15 | 3 55 |
| F 8 | 10 14 | 11 39 | 4 47 | 18 28 | 2 12 | 6 45 | 0 43 | 12 57 | 1 16 | 19 15 | 0 35 | 21 14 | 1 11 | 2 30 | 0 43 | 10 8 | 1 46 | 4 31 | 13 31 | 9 44 | 10 14 | 13 0 | 0 14 | 3 55 |
| S 9 | 10 35 | 15 10 | 5 5 | 19 1 | 2 19 | 6 32 | 0 35 | 12 53 | 1 13 | 19 18 | 0 34 | 21 15 | 1 11 | 2 29 | 0 43 | 10 8 | 1 46 | 4 32 | 13 31 | 9 47 | 10 15 | 13 2 | 0 13 | 3 55 |
| S 10 | 10 56 | 17 37 | 5 2 | 19 32 | 2 25 | 6 19 | 0 28 | 12 49 | 1 11 | 19 21 | 0 34 | 21 16 | 1 11 | 2 28 | 0 43 | 10 9 | 1 46 | 4 32 | 13 31 | 9 49 | 10 17 | 13 3 | 0 11 | 3 55 |
| M11 | 11 17 | 18 52 | 4 39 | 20 0 | 2 30 | 6 5 | 0 21 | 12 44 | 1 9 | 19 24 | 0 34 | 21 17 | 1 11 | 2 27 | 0 43 | 10 10 | 1 46 | 4 33 | 13 30 | 9 51 | 10 18 | 13 5 | 0 10 | 3 55 |
| T 12 | 11 37 | 18 53 | 3 59 | 20 25 | 2 34 | 5 51 | 0 14 | 12 40 | 1 6 | 19 27 | 0 34 | 21 18 | 1 11 | 2 26 | 0 43 | 10 11 | 1 46 | 4 33 | 13 30 | 9 53 | 10 19 | 13 6 | 0 9 | 3 56 |
| W13 | 11 57 | 17 45 | 3 7 | 20 48 | 2 37 | 5 37 | 0 7 | 12 35 | 1 4 | 19 30 | 0 34 | 21 19 | 1 11 | 2 25 | 0 43 | 10 12 | 1 46 | 4 34 | 13 30 | 9 53 | 10 20 | 13 8 | 0 8 | 3 56 |
| T 14 | 12 18 | 15 40 | 2 6 | 21 8 | 2 40 | 5 22 | 0 1 | 12 30 | 1 1 | 19 33 | 0 34 | 21 20 | 1 10 | 2 24 | 0 43 | 10 12 | 1 46 | 4 34 | 13 30 | 9 53 | 10 21 | 13 9 | 0 6 | 3 56 |
| F 15 | 12 38 | 12 50 | 0 59 | 21 26 | 2 41 | 5 6 | 0s 6 | 12 26 | 0 59 | 19 36 | 0 34 | 21 21 | 1 10 | 2 23 | 0 43 | 10 13 | 1 46 | 4 34 | 13 30 | 9 53 | 10 22 | 13 11 | 0 5 | 3 56 |
| S 16 | 12 57 | 9 27 | 0s 8 | 21 42 | 2 42 | 4 50 | 0 12 | 12 21 | 0 56 | 19 39 | 0 33 | 21 22 | 1 10 | 2 22 | 0 43 | 10 14 | 1 46 | 4 35 | 13 30 | 9 53 | 10 24 | 13 12 | 0 4 | 3 56 |
| S 17 | 13 17 | 5 43 | 1 14 | 21 54 | 2 41 | 4 34 | 0 18 | 12 16 | 0 54 | 19 42 | 0 33 | 21 23 | 1 10 | 2 22 | 0 43 | 10 15 | 1 46 | 4 35 | 13 30 | 9 53 | 10 25 | 13 14 | 0 3 | 3 56 |
| M18 | 13 36 | 1 47 | 2 15 | 22 5 | 2 40 | 4 17 | 0 24 | 12 11 | 0 51 | 19 45 | 0 33 | 21 24 | 1 10 | 2 21 | 0 43 | 10 15 | 1 46 | 4 36 | 13 30 | 9 54 | 10 26 | 13 15 | 0 2 | 3 56 |
| T 19 | 13 56 | 2n 9 | 3 9 | 22 13 | 2 37 | 4 0 | 0 30 | 12 6 | 0 49 | 19 48 | 0 33 | 21 25 | 1 10 | 2 20 | 0 43 | 10 16 | 1 46 | 4 36 | 13 30 | 9 56 | 10 27 | 13 17 | 0 0 | 3 56 |
| W20 | 14 14 | 5 59 | 3 54 | 22 18 | 2 33 | 3 43 | 0 35 | 12 1 | 0 46 | 19 51 | 0 33 | 21 26 | 1 10 | 2 19 | 0 43 | 10 17 | 1 46 | 4 37 | 13 30 | 9 59 | 10 28 | 13 19 | 0n 1 | 3 56 |
| T 21 | 14 33 | 9 33 | 4 29 | 22 21 | 2 28 | 3 25 | 0 41 | 11 56 | 0 43 | 19 54 | 0 33 | 21 27 | 1 9 | 2 18 | 0 43 | 10 18 | 1 46 | 4 37 | 13 29 | 10 3 | 10 29 | 13 20 | 0 2 | 3 56 |
| F 22 | 14 52 | 12 44 | 4 51 | 22 22 | 2 22 | 3 7 | 0 46 | 11 51 | 0 40 | 19 56 | 0 33 | 21 28 | 1 9 | 2 17 | 0 43 | 10 19 | 1 46 | 4 37 | 13 29 | 10 8 | 10 30 | 13 22 | 0 3 | 3 56 |
| S 23 | 15 10 | 15 23 | 5 1 | 22 21 | 2 15 | 2 48 | 0 51 | 11 46 | 0 38 | 19 59 | 0 33 | 21 29 | 1 9 | 2 17 | 0 43 | 10 19 | 1 46 | 4 38 | 13 29 | 10 12 | 10 32 | 13 23 | 0 4 | 3 57 |
| S 24 | 15 28 | 17 25 | 4 58 | 22 17 | 2 7 | 2 29 | 0 56 | 11 41 | 0 35 | 20 2 | 0 32 | 21 30 | 1 9 | 2 16 | 0 43 | 10 20 | 1 46 | 4 38 | 13 29 | 10 17 | 10 33 | 13 25 | 0 5 | 3 57 |
| M25 | 15 45 | 18 41 | 4 42 | 22 11 | 1 58 | 2 10 | 1 1 | 11 37 | 0 32 | 20 5 | 0 32 | 21 31 | 1 9 | 2 15 | 0 43 | 10 21 | 1 46 | 4 39 | 13 29 | 10 20 | 10 34 | 13 26 | 0 6 | 3 57 |
| T 26 | 16 3 | 19 9 | 4 14 | 22 3 | 1 48 | 1 51 | 1 5 | 11 32 | 0 29 | 20 8 | 0 32 | 21 31 | 1 9 | 2 14 | 0 43 | 10 22 | 1 46 | 4 39 | 13 29 | 10 23 | 10 35 | 13 28 | 0 8 | 3 57 |
| W27 | 16 20 | 18 44 | 3 33 | 21 53 | 1 36 | 1 31 | 1 10 | 11 27 | 0 26 | 20 11 | 0 32 | 21 32 | 1 9 | 2 14 | 0 43 | 10 22 | 1 46 | 4 39 | 13 29 | 10 25 | 10 36 | 13 29 | 0 9 | 3 57 |
| T 28 | 16 37 | 17 26 | 2 42 | 21 41 | 1 24 | 1 11 | 1 14 | 11 23 | 0 24 | 20 13 | 0 32 | 21 33 | 1 8 | 2 13 | 0 43 | 10 23 | 1 46 | 4 40 | 13 29 | 10 26 | 10 37 | 13 31 | 0 10 | 3 57 |
| F 29 | 16 54 | 15 15 | 1 43 | 21 27 | 1 11 | 0 51 | 1 19 | 11 19 | 0 21 | 20 16 | 0 32 | 21 34 | 1 8 | 2 12 | 0 43 | 10 24 | 1 46 | 4 40 | 13 29 | 10 27 | 10 38 | 13 32 | 0 11 | 3 57 |
| S 30 | 17n10 | 12n16 | 0s36 | 21n11 | 0n56 | 0s30 | 1s23 | 11s14 | 0n18 | 20n19 | 0s32 | 21n35 | 1s 8 | 2s12 | 0n43 | 10n25 | 1s46 | 4n41 | 13s29 | 10n27 | 10n40 | 13n34 | 0n12 | 3n57 |

Julian Day Number = 2226654.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'04, Lahiri = 15°16'04 Julian Calendar 1 Apr. 1384 == Greg. Calendar 9 Apr. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## MAY 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 9 16 | 18♉40'19 | 9♍34 | 0°R 0 | 2♈55 | 29°R43 | 3♊17 | 15♊32 | 7°R 7 | 1♉38 | 19♉35 | 2°R59 | 2♍20 | 22♉40 | 21♓24 | S 1 |
| M 2 | 15 13 13 | 19°38'02 | 23°23 | 29♉43 | 3°56 | 29♎24 | 3°30 | 15°39 | 7♎ 5 | 1°40 | 19°36 | 2♍58 | 2°17 | 22°47 | 21°26 | M 2 |
| T 3 | 15 17 9 | 20°35'42 | 7♎42 | 29°21 | 4°58 | 29° 6 | 3°44 | 15°47 | 7° 4 | 1°42 | 19°37 | 2°54 | 2°13 | 22°54 | 21°28 | T 3 |
| W 4 | 15 21 6 | 21°33'21 | 22°27 | 28°56 | 6° 0 | 28°48 | 3°58 | 15°54 | 7° 2 | 1°44 | 19°39 | 2°48 | 2°10 | 23° 1 | 21°31 | W 4 |
| T 5 | 15 25 2 | 22°30'58 | 7♏33 | 28°28 | 7° 2 | 28°32 | 4°12 | 16° 1 | 7° 0 | 1°46 | 19°40 | 2°40 | 2° 7 | 23° 7 | 21°33 | T 5 |
| F 6 | 15 28 59 | 23°28'34 | 22°52 | 27°58 | 8° 4 | 28°15 | 4°26 | 16° 9 | 6°59 | 1°48 | 19°42 | 2°29 | 2° 4 | 23°14 | 21°35 | F 6 |
| S 7 | 15 32 55 | 24°26'09 | 8♐12 | 27°26 | 9° 7 | 28° 0 | 4°39 | 16°16 | 6°57 | 1°51 | 19°43 | 2°19 | 2° 1 | 23°21 | 21°37 | S 7 |
| S 8 | 15 36 52 | 25°23'43 | 23°21 | 26°53 | 10°10 | 27°45 | 4°53 | 16°24 | 6°56 | 1°53 | 19°44 | 2° 9 | 1°58 | 23°27 | 21°39 | S 8 |
| M 9 | 15 40 49 | 26°21'16 | 8♑10 | 26°19 | 11°13 | 27°30 | 5° 7 | 16°31 | 6°55 | 1°55 | 19°46 | 2° 1 | 1°54 | 23°34 | 21°41 | M 9 |
| T 10 | 15 44 45 | 27°18'48 | 22°33 | 25°45 | 12°17 | 27°17 | 5°21 | 16°39 | 6°53 | 1°57 | 19°47 | 1°55 | 1°51 | 23°41 | 21°43 | T 10 |
| W11 | 15 48 42 | 28°16'19 | 6♒26 | 25°12 | 13°20 | 27° 4 | 5°35 | 16°46 | 6°52 | 1°59 | 19°48 | 1°52 | 1°48 | 23°48 | 21°45 | W11 |
| T 12 | 15 52 38 | 29°13'49 | 19°51 | 24°39 | 14°24 | 26°52 | 5°49 | 16°54 | 6°51 | 2° 1 | 19°50 | 1°51 | 1°45 | 23°54 | 21°47 | T 12 |
| F 13 | 15 56 35 | 0♊11'18 | 2♓49 | 24° 8 | 15°28 | 26°41 | 6° 2 | 17° 2 | 6°49 | 2° 3 | 19°51 | 1°51 | 1°42 | 24° 1 | 21°49 | F 13 |
| S 14 | 16 0 31 | 1° 8'47 | 15°26 | 23°40 | 16°33 | 26°30 | 6°16 | 17° 9 | 6°48 | 2° 5 | 19°52 | 1°51 | 1°39 | 24° 8 | 21°50 | S 14 |
| S 15 | 16 4 28 | 2° 6'15 | 27°46 | 23°14 | 17°37 | 26°21 | 6°30 | 17°17 | 6°47 | 2° 7 | 19°54 | 1°49 | 1°35 | 24°15 | 21°52 | S 15 |
| M16 | 16 8 25 | 3° 3'42 | 9♈53 | 22°51 | 18°42 | 26°12 | 6°44 | 17°25 | 6°46 | 2° 9 | 19°55 | 1°45 | 1°32 | 24°21 | 21°54 | M16 |
| T 17 | 16 12 21 | 4° 1'08 | 21°52 | 22°31 | 19°47 | 26° 3 | 6°58 | 17°32 | 6°45 | 2°11 | 19°56 | 1°39 | 1°29 | 24°28 | 21°55 | T 17 |
| W18 | 16 16 18 | 4°58'33 | 3♉45 | 22°15 | 20°52 | 25°56 | 7°12 | 17°40 | 6°44 | 2°13 | 19°58 | 1°29 | 1°26 | 24°35 | 21°57 | W18 |
| T 19 | 16 20 14 | 5°55'58 | 15°37 | 22° 3 | 21°57 | 25°50 | 7°26 | 17°48 | 6°43 | 2°15 | 19°59 | 1°18 | 1°23 | 24°41 | 21°59 | T 19 |
| F 20 | 16 24 11 | 6°53'22 | 27°29 | 21°55 | 23° 2 | 25°44 | 7°40 | 17°55 | 6°42 | 2°17 | 20° 0 | 1° 4 | 1°19 | 24°48 | 22° 0 | F 20 |
| S 21 | 16 28 7 | 7°50'45 | 9♊22 | 21°D52 | 24° 8 | 25°39 | 7°54 | 18° 3 | 6°41 | 2°19 | 20° 2 | 0°50 | 1°16 | 24°55 | 22° 1 | S 21 |
| S 22 | 16 32 4 | 8°48'07 | 21°18 | 21°52 | 25°14 | 25°35 | 8° 7 | 18°11 | 6°41 | 2°21 | 20° 3 | 0°37 | 1°13 | 25° 2 | 22° 3 | S 22 |
| M23 | 16 36 0 | 9°45'29 | 3♋18 | 21°58 | 26°19 | 25°32 | 8°21 | 18°19 | 6°40 | 2°23 | 20° 4 | 0°25 | 1°10 | 25° 8 | 22° 4 | M23 |
| T 24 | 16 39 57 | 10°42'49 | 15°24 | 22° 8 | 27°25 | 25°30 | 8°35 | 18°27 | 6°39 | 2°25 | 20° 5 | 0°16 | 1° 7 | 25°15 | 22° 5 | T 24 |
| W25 | 16 43 54 | 11°40'09 | 27°39 | 22°22 | 28°32 | 25°28 | 8°49 | 18°34 | 6°39 | 2°26 | 20° 7 | 0°10 | 1° 4 | 25°22 | 22° 7 | W25 |
| T 26 | 16 47 50 | 12°37'28 | 10♌ 4 | 22°41 | 29°38 | 25°D28 | 9° 3 | 18°42 | 6°38 | 2°28 | 20° 8 | 0° 6 | 1° 0 | 25°29 | 22° 8 | T 26 |
| F 27 | 16 51 47 | 13°34'46 | 22°43 | 23° 4 | 0♉44 | 25°28 | 9°17 | 18°50 | 6°37 | 2°30 | 20° 9 | 0° 4 | 0°57 | 25°35 | 22° 9 | F 27 |
| S 28 | 16 55 43 | 14°32'03 | 5♍39 | 23°32 | 1°51 | 25°29 | 9°31 | 18°58 | 6°37 | 2°32 | 20°11 | 0°D 4 | 0°54 | 25°42 | 22°10 | S 28 |
| S 29 | 16 59 40 | 15°29'19 | 18°57 | 24° 4 | 2°58 | 25°30 | 9°45 | 19° 6 | 6°37 | 2°34 | 20°12 | 0°R 4 | 0°51 | 25°49 | 22°11 | S 29 |
| M30 | 17 3 36 | 16°26'34 | 2♎39 | 24°41 | 4° 4 | 25°33 | 9°58 | 19°14 | 6°36 | 2°35 | 20°13 | 0° 4 | 0°48 | 25°55 | 22°12 | M30 |
| T 31 | 17 7 33 | 17♊23'49 | 16♎47 | 25♉21 | 5♉11 | 25♎36 | 10♊12 | 19♊21 | 6♎36 | 2♉37 | 20♉14 | 0♍ 1 | 0♍44 | 26♉ 2 | 22♓13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n26 | 8n33 | 0n35 | 20n53 | 0n41 | 0s10 | 1s27 | 11s10 | 0n15 | 20n22 | 0s32 | 21n36 | 1s 8 | 2s11 | 0n42 | 10n25 | 1s46 | 4n41 | 13s29 | 10n27 | 10n41 | 13n35 | 0n13 | 3n57 |
| M 2 | 17 42 | 4 15 | 1 46 | 20 34 | 0 26 | 0n11 | 1 30 | 11 6 | 0 12 | 20 24 | 0 32 | 21 37 | 1 8 | 2 10 | 0 42 | 10 26 | 1 46 | 4 41 | 13 29 | 10 27 | 10 42 | 13 37 | 0 14 | 3 58 |
| T 3 | 17 57 | 0s25 | 2 53 | 20 14 | 0 9 | 0 33 | 1 34 | 11 2 | 0 10 | 20 27 | 0 31 | 21 38 | 1 8 | 2 10 | 0 42 | 10 27 | 1 46 | 4 42 | 13 29 | 10 28 | 10 43 | 13 38 | 0 15 | 3 58 |
| W 4 | 18 13 | 5 12 | 3 50 | 19 52 | 0s 8 | 0 54 | 1 37 | 10 59 | 0 7 | 20 30 | 0 31 | 21 39 | 1 8 | 2 9 | 0 42 | 10 28 | 1 46 | 4 42 | 13 29 | 10 31 | 10 44 | 13 40 | 0 16 | 3 58 |
| T 5 | 18 28 | 9 46 | 4 33 | 19 29 | 0 25 | 1 16 | 1 41 | 10 55 | 0 4 | 20 32 | 0 31 | 21 40 | 1 8 | 2 9 | 0 42 | 10 28 | 1 46 | 4 42 | 13 29 | 10 34 | 10 45 | 13 41 | 0 17 | 3 58 |
| F 6 | 18 42 | 13 46 | 4 56 | 19 5 | 0 42 | 1 37 | 1 44 | 10 52 | 0 1 | 20 35 | 0 31 | 21 41 | 1 7 | 2 8 | 0 42 | 10 29 | 1 46 | 4 43 | 13 29 | 10 37 | 10 46 | 13 43 | 0 18 | 3 58 |
| S 7 | 18 56 | 16 49 | 4 59 | 18 41 | 1 0 | 1 59 | 1 47 | 10 49 | 0s 2 | 20 38 | 0 31 | 21 41 | 1 7 | 2 7 | 0 42 | 10 30 | 1 46 | 4 43 | 13 29 | 10 41 | 10 48 | 13 45 | 0 19 | 3 58 |
| S 8 | 19 10 | 18 41 | 4 41 | 18 16 | 1 17 | 2 21 | 1 50 | 10 46 | 0 4 | 20 40 | 0 31 | 21 42 | 1 7 | 2 7 | 0 42 | 10 30 | 1 46 | 4 44 | 13 29 | 10 45 | 10 49 | 13 46 | 0 20 | 3 58 |
| M 9 | 19 24 | 19 13 | 4 3 | 17 52 | 1 34 | 2 43 | 1 53 | 10 44 | 0 7 | 20 43 | 0 31 | 21 43 | 1 7 | 2 6 | 0 42 | 10 31 | 1 46 | 4 44 | 13 29 | 10 48 | 10 50 | 13 48 | 0 21 | 3 58 |
| T 10 | 19 37 | 18 28 | 3 12 | 17 28 | 1 51 | 3 6 | 1 55 | 10 41 | 0 10 | 20 46 | 0 31 | 21 44 | 1 7 | 2 6 | 0 42 | 10 32 | 1 46 | 4 44 | 13 29 | 10 50 | 10 51 | 13 49 | 0 21 | 3 59 |
| W11 | 19 50 | 16 38 | 2 10 | 17 4 | 2 7 | 3 28 | 1 58 | 10 39 | 0 12 | 20 48 | 0 31 | 21 45 | 1 7 | 2 5 | 0 42 | 10 32 | 1 46 | 4 45 | 13 29 | 10 51 | 10 52 | 13 51 | 0 22 | 3 59 |
| T 12 | 20 3 | 13 55 | 1 3 | 16 41 | 2 23 | 3 51 | 2 0 | 10 37 | 0 15 | 20 51 | 0 31 | 21 46 | 1 7 | 2 5 | 0 42 | 10 33 | 1 46 | 4 45 | 13 29 | 10 51 | 10 53 | 13 52 | 0 23 | 3 59 |
| F 13 | 20 15 | 10 35 | 0s 5 | 16 20 | 2 37 | 4 14 | 2 3 | 10 36 | 0 18 | 20 53 | 0 30 | 21 47 | 1 7 | 2 4 | 0 42 | 10 34 | 1 46 | 4 45 | 13 29 | 10 51 | 10 54 | 13 54 | 0 24 | 3 59 |
| S 14 | 20 27 | 6 51 | 1 11 | 16 0 | 2 51 | 4 36 | 2 5 | 10 34 | 0 20 | 20 56 | 0 30 | 21 47 | 1 6 | 2 4 | 0 42 | 10 35 | 1 46 | 4 45 | 13 29 | 10 51 | 10 56 | 13 55 | 0 25 | 3 59 |
| S 15 | 20 39 | 2 55 | 2 12 | 15 41 | 3 3 | 4 59 | 2 7 | 10 33 | 0 23 | 20 58 | 0 30 | 21 48 | 1 6 | 2 4 | 0 42 | 10 35 | 1 46 | 4 46 | 13 29 | 10 52 | 10 57 | 13 57 | 0 26 | 3 59 |
| M16 | 20 50 | 1n 4 | 3 6 | 15 24 | 3 15 | 5 22 | 2 9 | 10 32 | 0 25 | 21 1 | 0 30 | 21 49 | 1 6 | 2 3 | 0 42 | 10 36 | 1 46 | 4 46 | 13 29 | 10 53 | 10 58 | 13 58 | 0 26 | 3 59 |
| T 17 | 21 1 | 4 58 | 3 51 | 15 9 | 3 25 | 5 45 | 2 10 | 10 31 | 0 28 | 21 3 | 0 30 | 21 50 | 1 6 | 2 3 | 0 42 | 10 37 | 1 46 | 4 46 | 13 29 | 10 55 | 10 59 | 14 0 | 0 27 | 4 0 |
| W18 | 21 12 | 8 38 | 4 26 | 14 56 | 3 34 | 6 8 | 2 12 | 10 31 | 0 30 | 21 5 | 0 30 | 21 51 | 1 6 | 2 2 | 0 42 | 10 37 | 1 46 | 4 47 | 13 29 | 10 59 | 11 0 | 14 1 | 0 28 | 4 0 |
| T 19 | 21 22 | 11 58 | 4 49 | 14 46 | 3 42 | 6 31 | 2 13 | 10 31 | 0 32 | 21 8 | 0 30 | 21 52 | 1 6 | 2 2 | 0 42 | 10 38 | 1 46 | 4 47 | 13 29 | 11 3 | 11 1 | 14 3 | 0 29 | 4 0 |
| F 20 | 21 32 | 14 48 | 4 59 | 14 37 | 3 49 | 6 54 | 2 15 | 10 31 | 0 35 | 21 10 | 0 30 | 21 52 | 1 6 | 2 2 | 0 42 | 10 38 | 1 46 | 4 47 | 13 29 | 11 8 | 11 2 | 14 4 | 0 29 | 4 0 |
| S 21 | 21 41 | 17 2 | 4 56 | 14 31 | 3 54 | 7 17 | 2 16 | 10 31 | 0 37 | 21 12 | 0 30 | 21 53 | 1 6 | 2 2 | 0 42 | 10 39 | 1 46 | 4 48 | 13 29 | 11 13 | 11 3 | 14 6 | 0 30 | 4 0 |
| S 22 | 21 50 | 18 34 | 4 41 | 14 27 | 3 58 | 7 40 | 2 17 | 10 32 | 0 39 | 21 15 | 0 30 | 21 54 | 1 6 | 2 1 | 0 42 | 10 40 | 1 46 | 4 48 | 13 29 | 11 17 | 11 5 | 14 7 | 0 31 | 4 0 |
| M23 | 21 59 | 19 16 | 4 13 | 14 26 | 4 1 | 8 3 | 2 18 | 10 33 | 0 41 | 21 17 | 0 29 | 21 55 | 1 6 | 2 1 | 0 42 | 10 40 | 1 46 | 4 48 | 13 29 | 11 22 | 11 6 | 14 9 | 0 32 | 4 1 |
| T 24 | 22 7 | 19 6 | 3 33 | 14 26 | 4 3 | 8 26 | 2 19 | 10 34 | 0 44 | 21 19 | 0 29 | 21 56 | 1 5 | 2 1 | 0 42 | 10 41 | 1 47 | 4 48 | 13 29 | 11 25 | 11 7 | 14 10 | 0 32 | 4 1 |
| W25 | 22 15 | 18 3 | 2 43 | 14 29 | 4 4 | 8 49 | 2 20 | 10 35 | 0 46 | 21 22 | 0 29 | 21 56 | 1 5 | 2 1 | 0 42 | 10 42 | 1 47 | 4 49 | 13 29 | 11 27 | 11 8 | 14 11 | 0 33 | 4 1 |
| T 26 | 22 23 | 16 7 | 1 44 | 14 34 | 4 4 | 9 11 | 2 20 | 10 37 | 0 48 | 21 24 | 0 29 | 21 57 | 1 5 | 2 0 | 0 42 | 10 42 | 1 47 | 4 49 | 13 29 | 11 28 | 11 9 | 14 13 | 0 33 | 4 1 |
| F 27 | 22 30 | 13 23 | 0 39 | 14 41 | 4 2 | 9 34 | 2 21 | 10 39 | 0 50 | 21 26 | 0 29 | 21 58 | 1 5 | 2 0 | 0 42 | 10 43 | 1 47 | 4 49 | 13 29 | 11 29 | 11 10 | 14 14 | 0 34 | 4 1 |
| S 28 | 22 37 | 9 56 | 0n30 | 14 51 | 4 0 | 9 57 | 2 21 | 10 41 | 0 52 | 21 28 | 0 29 | 21 59 | 1 5 | 2 0 | 0 41 | 10 43 | 1 47 | 4 49 | 13 30 | 11 29 | 11 11 | 14 16 | 0 35 | 4 1 |
| S 29 | 22 43 | 5 54 | 1 38 | 15 2 | 3 57 | 10 19 | 2 22 | 10 44 | 0 54 | 21 30 | 0 29 | 21 59 | 1 5 | 2 0 | 0 41 | 10 44 | 1 47 | 4 50 | 13 30 | 11 29 | 11 12 | 14 17 | 0 35 | 4 1 |
| M30 | 22 49 | 1 27 | 2 44 | 15 14 | 3 52 | 10 42 | 2 22 | 10 47 | 0 56 | 21 33 | 0 29 | 22 0 | 1 5 | 2 0 | 0 41 | 10 44 | 1 47 | 4 50 | 13 30 | 11 29 | 11 14 | 14 19 | 0 36 | 4 2 |
| T 31 | 22n55 | 3s13 | 3n41 | 15n29 | 3s48 | 11n 4 | 2s22 | 10s50 | 0s58 | 21n35 | 0s29 | 22n 1 | 1s 5 | 2s 0 | 0n41 | 10n45 | 1s47 | 4n50 | 13s30 | 11n30 | 11n15 | 14n20 | 0n36 | 4n 2 |

Julian Day Number = 2226684.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'08, Lahiri = 15°16'08 Julian Calendar 1 May 1384 == Greg. Calendar 9 May 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## JUNE 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 11 29 | 18♊21'02 | 1♏20 | 26♉ 6 | 6♉18 | 25♎40 | 10♊26 | 19♊29 | 6°R36 | 2♉39 | 20♉15 | 29°R56 | 0♍41 | 26♉ 9 | 22♓14 | W 1 |
| T 2 | 17 15 26 | 19°18'15 | 16°14 | 26°55 | 7°26 | 25°45 | 10°40 | 19°37 | 6♎35 | 2°41 | 20°17 | 29♌48 | 0°38 | 26°16 | 22°15 | T 2 |
| F 3 | 17 19 23 | 20°15'28 | 1♐23 | 27°48 | 8°33 | 25°51 | 10°54 | 19°45 | 6°35 | 2°42 | 20°18 | 29°39 | 0°35 | 26°22 | 22°15 | F 3 |
| S 4 | 17 23 19 | 21°12'39 | 16°36 | 28°45 | 9°40 | 25°57 | 11° 7 | 19°53 | 6°35 | 2°44 | 20°19 | 29°29 | 0°32 | 26°29 | 22°16 | S 4 |
| S 5 | 17 27 16 | 22° 9'51 | 1♑43 | 29°46 | 10°48 | 26° 4 | 11°21 | 20° 1 | 6°35 | 2°46 | 20°20 | 29°20 | 0°29 | 26°36 | 22°17 | S 5 |
| M 6 | 17 31 12 | 23° 7'02 | 16°34 | 0♒50 | 11°56 | 26°12 | 11°35 | 20° 8 | 6°D35 | 2°47 | 20°21 | 29°13 | 0°25 | 26°42 | 22°17 | M 6 |
| T 7 | 17 35 9 | 24° 4'13 | 1♒ 1 | 1°59 | 13° 4 | 26°21 | 11°49 | 20°16 | 6°35 | 2°49 | 20°23 | 29° 7 | 0°22 | 26°49 | 22°18 | T 7 |
| W 8 | 17 39 5 | 25° 1'24 | 15° 1 | 3°11 | 14°12 | 26°30 | 12° 2 | 20°24 | 6°35 | 2°50 | 20°24 | 29° 5 | 0°19 | 26°56 | 22°18 | W 8 |
| T 9 | 17 43 2 | 25°58'35 | 28°31 | 4°27 | 15°20 | 26°40 | 12°16 | 20°32 | 6°35 | 2°52 | 20°25 | 29°D 4 | 0°16 | 27° 3 | 22°19 | T 9 |
| F 10 | 17 46 58 | 26°55'45 | 11♓35 | 5°46 | 16°28 | 26°51 | 12°30 | 20°40 | 6°35 | 2°53 | 20°26 | 29° 4 | 0°13 | 27° 9 | 22°19 | F 10 |
| S 11 | 17 50 55 | 27°52'56 | 24°14 | 7° 9 | 17°36 | 27° 2 | 12°43 | 20°48 | 6°36 | 2°55 | 20°27 | 29°R 5 | 0°10 | 27°16 | 22°20 | S 11 |
| S 12 | 17 54 52 | 28°50'07 | 6♈35 | 8°36 | 18°44 | 27°14 | 12°57 | 20°55 | 6°36 | 2°56 | 20°28 | 29° 4 | 0° 6 | 27°23 | 22°20 | S 12 |
| M13 | 17 58 48 | 29°47'18 | 18°42 | 10° 6 | 19°53 | 27°26 | 13°10 | 21° 3 | 6°36 | 2°58 | 20°29 | 29° 3 | 0° 3 | 27°30 | 22°20 | M13 |
| T 14 | 18 2 45 | 0♋44'30 | 0♉40 | 11°40 | 21° 1 | 27°40 | 13°24 | 21°11 | 6°37 | 2°59 | 20°30 | 28°59 | 0° 0 | 27°36 | 22°20 | T 14 |
| W15 | 18 6 41 | 1°41'41 | 12°32 | 13°17 | 22°10 | 27°53 | 13°38 | 21°19 | 6°37 | 3° 0 | 20°31 | 28°52 | 29♌57 | 27°43 | 22°20 | W15 |
| T 16 | 18 10 38 | 2°38'53 | 24°23 | 14°57 | 23°19 | 28° 8 | 13°51 | 21°26 | 6°38 | 3° 2 | 20°33 | 28°44 | 29°54 | 27°50 | 22°20 | T 16 |
| F 17 | 18 14 34 | 3°36'05 | 6♊16 | 16°41 | 24°28 | 28°23 | 14° 4 | 21°34 | 6°38 | 3° 3 | 20°34 | 28°34 | 29°50 | 27°56 | 22°R20 | F 17 |
| S 18 | 18 18 31 | 4°33'17 | 18°13 | 18°27 | 25°37 | 28°39 | 14°18 | 21°42 | 6°39 | 3° 4 | 20°35 | 28°24 | 29°47 | 28° 3 | 22°20 | S 18 |
| S 19 | 18 22 27 | 5°30'29 | 0♋16 | 20°17 | 26°46 | 28°55 | 14°31 | 21°50 | 6°40 | 3° 6 | 20°36 | 28°14 | 29°44 | 28°10 | 22°20 | S 19 |
| M20 | 18 26 24 | 6°27'41 | 12°25 | 22°10 | 27°55 | 29°12 | 14°45 | 21°57 | 6°40 | 3° 7 | 20°37 | 28° 6 | 29°41 | 28°17 | 22°20 | M20 |
| T 21 | 18 30 21 | 7°24'54 | 24°43 | 24° 5 | 29° 4 | 29°29 | 14°58 | 22° 5 | 6°41 | 3° 8 | 20°38 | 27°59 | 29°38 | 28°23 | 22°20 | T 21 |
| W22 | 18 34 17 | 8°22'06 | 7♌10 | 26° 3 | 0♊13 | 29°47 | 15°11 | 22°13 | 6°42 | 3° 9 | 20°39 | 27°55 | 29°35 | 28°30 | 22°20 | W22 |
| T 23 | 18 38 14 | 9°19'19 | 19°48 | 28° 3 | 1°23 | 0♏ 6 | 15°24 | 22°20 | 6°43 | 3°10 | 20°40 | 27°53 | 29°31 | 28°37 | 22°19 | T 23 |
| F 24 | 18 42 10 | 10°16'31 | 2♍39 | 0♋ 6 | 2°32 | 0°25 | 15°38 | 22°28 | 6°44 | 3°12 | 20°41 | 27°D53 | 29°28 | 28°44 | 22°19 | F 24 |
| S 25 | 18 46 7 | 11°13'44 | 15°44 | 2°10 | 3°42 | 0°44 | 15°51 | 22°36 | 6°45 | 3°13 | 20°41 | 27°53 | 29°25 | 28°50 | 22°19 | S 25 |
| S 26 | 18 50 3 | 12°10'56 | 29° 6 | 4°15 | 4°51 | 1° 4 | 16° 4 | 22°43 | 6°46 | 3°14 | 20°42 | 27°55 | 29°22 | 28°57 | 22°18 | S 26 |
| M27 | 18 54 0 | 13° 8'09 | 12♎47 | 6°22 | 6° 1 | 1°25 | 16°17 | 22°51 | 6°47 | 3°15 | 20°43 | 27°R55 | 29°19 | 29° 4 | 22°18 | M27 |
| T 28 | 18 57 56 | 14° 5'22 | 26°47 | 8°29 | 7°11 | 1°46 | 16°30 | 22°58 | 6°48 | 3°16 | 20°44 | 27°55 | 29°16 | 29°10 | 22°17 | T 28 |
| W29 | 19 1 53 | 15° 2'35 | 11♏ 6 | 10°38 | 8°21 | 2° 8 | 16°43 | 23° 6 | 6°49 | 3°17 | 20°45 | 27°52 | 29°12 | 29°17 | 22°16 | W29 |
| T 30 | 19 5 50 | 15♋59'48 | 25♏43 | 12♋46 | 9♊31 | 2♏30 | 16♊56 | 23♊13 | 6♎51 | 3♉18 | 20♉46 | 27♌48 | 29♌ 9 | 29♉24 | 22♓16 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 23n 0 | 7s49 | 4n26 | 15n45 | 3s42 | 11n26 | 2s22 | 10s53 | 1s 0 | 21n37 | 0s29 | 22n 1 | 1s 5 | 2s 0 | 0n41 | 10n46 | 1s47 | 4n50 | 13s30 | 11n32 | 11n16 | 14n22 | 0n37 | 4n 2 |
| T 2 | 23 5 | 12 3 | 4 54 | 16 2 | 3 35 | 11 48 | 2 22 | 10 56 | 1 2 | 21 39 | 0 29 | 22 2 | 1 5 | 2 0 | 0 41 | 10 46 | 1 47 | 4 50 | 13 30 | 11 35 | 11 17 | 14 23 | 0 37 | 4 2 |
| F 3 | 23 9 | 15 34 | 5 2 | 16 21 | 3 28 | 12 10 | 2 22 | 11 0 | 1 3 | 21 41 | 0 29 | 22 3 | 1 5 | 2 0 | 0 41 | 10 47 | 1 47 | 4 51 | 13 30 | 11 38 | 11 18 | 14 25 | 0 38 | 4 2 |
| S 4 | 23 13 | 18 3 | 4 49 | 16 41 | 3 20 | 12 32 | 2 21 | 11 4 | 1 5 | 21 43 | 0 28 | 22 3 | 1 5 | 2 0 | 0 41 | 10 47 | 1 47 | 4 51 | 13 30 | 11 41 | 11 19 | 14 26 | 0 38 | 4 2 |
| S 5 | 23 17 | 19 15 | 4 16 | 17 3 | 3 12 | 12 53 | 2 21 | 11 8 | 1 7 | 21 45 | 0 28 | 22 4 | 1 4 | 2 0 | 0 41 | 10 48 | 1 47 | 4 51 | 13 30 | 11 45 | 11 20 | 14 28 | 0 38 | 4 3 |
| M 6 | 23 20 | 19 5 | 3 26 | 17 25 | 3 3 | 13 14 | 2 20 | 11 13 | 1 9 | 21 47 | 0 28 | 22 5 | 1 4 | 2 0 | 0 41 | 10 48 | 1 47 | 4 51 | 13 30 | 11 47 | 11 22 | 14 29 | 0 39 | 4 3 |
| T 7 | 23 23 | 17 40 | 2 23 | 17 48 | 2 53 | 13 35 | 2 20 | 11 17 | 1 10 | 21 49 | 0 28 | 22 5 | 1 4 | 2 0 | 0 41 | 10 49 | 1 47 | 4 51 | 13 31 | 11 49 | 11 23 | 14 31 | 0 39 | 4 3 |
| W 8 | 23 25 | 15 12 | 1 14 | 18 12 | 2 43 | 13 56 | 2 19 | 11 22 | 1 12 | 21 51 | 0 28 | 22 6 | 1 4 | 2 0 | 0 41 | 10 49 | 1 47 | 4 51 | 13 31 | 11 50 | 11 24 | 14 32 | 0 40 | 4 3 |
| T 9 | 23 27 | 11 59 | 0 3 | 18 36 | 2 32 | 14 17 | 2 18 | 11 27 | 1 13 | 21 52 | 0 28 | 22 7 | 1 4 | 2 0 | 0 41 | 10 50 | 1 47 | 4 52 | 13 31 | 11 50 | 11 25 | 14 33 | 0 40 | 4 3 |
| F 10 | 23 29 | 8 16 | 1s 6 | 19 1 | 2 22 | 14 37 | 2 17 | 11 33 | 1 15 | 21 54 | 0 28 | 22 7 | 1 4 | 2 0 | 0 41 | 10 50 | 1 47 | 4 52 | 13 31 | 11 50 | 11 26 | 14 35 | 0 40 | 4 3 |
| S 11 | 23 30 | 4 17 | 2 10 | 19 26 | 2 10 | 14 57 | 2 16 | 11 38 | 1 16 | 21 56 | 0 28 | 22 8 | 1 4 | 2 0 | 0 41 | 10 50 | 1 47 | 4 52 | 13 31 | 11 50 | 11 27 | 14 36 | 0 40 | 4 4 |
| S 12 | 23 31 | 0 14 | 3 6 | 19 51 | 1 59 | 15 17 | 2 15 | 11 44 | 1 18 | 21 58 | 0 28 | 22 8 | 1 4 | 2 0 | 0 41 | 10 51 | 1 47 | 4 52 | 13 31 | 11 50 | 11 28 | 14 38 | 0 41 | 4 4 |
| M13 | 23 31 | 3n46 | 3 53 | 20 16 | 1 47 | 15 37 | 2 14 | 11 50 | 1 19 | 22 0 | 0 28 | 22 9 | 1 4 | 2 0 | 0 41 | 10 51 | 1 47 | 4 52 | 13 31 | 11 51 | 11 29 | 14 39 | 0 41 | 4 4 |
| T 14 | 23 31 | 7 32 | 4 29 | 20 41 | 1 35 | 15 56 | 2 13 | 11 56 | 1 21 | 22 1 | 0 28 | 22 10 | 1 4 | 2 1 | 0 41 | 10 52 | 1 47 | 4 52 | 13 31 | 11 52 | 11 30 | 14 41 | 0 41 | 4 4 |
| W15 | 23 30 | 11 0 | 4 53 | 21 6 | 1 23 | 16 15 | 2 11 | 12 2 | 1 22 | 22 3 | 0 28 | 22 10 | 1 4 | 2 1 | 0 41 | 10 52 | 1 47 | 4 52 | 13 32 | 11 54 | 11 32 | 14 42 | 0 41 | 4 4 |
| T 16 | 23 29 | 14 1 | 5 4 | 21 30 | 1 10 | 16 34 | 2 10 | 12 9 | 1 24 | 22 5 | 0 28 | 22 11 | 1 4 | 2 1 | 0 41 | 10 53 | 1 48 | 4 53 | 13 32 | 11 57 | 11 33 | 14 44 | 0 42 | 4 4 |
| F 17 | 23 28 | 16 28 | 5 2 | 21 53 | 0 58 | 16 52 | 2 9 | 12 15 | 1 25 | 22 6 | 0 28 | 22 11 | 1 4 | 2 1 | 0 41 | 10 53 | 1 48 | 4 53 | 13 32 | 12 1 | 11 34 | 14 45 | 0 42 | 4 5 |
| S 18 | 23 26 | 18 14 | 4 47 | 22 15 | 0 46 | 17 10 | 2 7 | 12 22 | 1 26 | 22 8 | 0 27 | 22 12 | 1 4 | 2 2 | 0 41 | 10 53 | 1 48 | 4 53 | 13 32 | 12 4 | 11 35 | 14 46 | 0 42 | 4 5 |
| S 19 | 23 24 | 19 12 | 4 19 | 22 36 | 0 33 | 17 28 | 2 5 | 12 29 | 1 27 | 22 10 | 0 27 | 22 12 | 1 4 | 2 2 | 0 41 | 10 54 | 1 48 | 4 53 | 13 32 | 12 8 | 11 36 | 14 48 | 0 42 | 4 5 |
| M20 | 23 22 | 19 18 | 3 39 | 22 56 | 0 21 | 17 45 | 2 4 | 12 36 | 1 29 | 22 11 | 0 27 | 22 13 | 1 4 | 2 2 | 0 41 | 10 54 | 1 48 | 4 53 | 13 32 | 12 10 | 11 37 | 14 49 | 0 42 | 4 5 |
| T 21 | 23 19 | 18 29 | 2 49 | 23 14 | 0 10 | 18 2 | 2 2 | 12 44 | 1 30 | 22 13 | 0 27 | 22 13 | 1 3 | 2 3 | 0 40 | 10 55 | 1 48 | 4 53 | 13 33 | 12 13 | 11 38 | 14 51 | 0 42 | 4 5 |
| W22 | 23 15 | 16 47 | 1 49 | 23 30 | 0n 2 | 18 18 | 2 0 | 12 51 | 1 31 | 22 14 | 0 27 | 22 14 | 1 3 | 2 3 | 0 40 | 10 55 | 1 48 | 4 53 | 13 33 | 12 14 | 11 39 | 14 52 | 0 42 | 4 5 |
| T 23 | 23 11 | 14 14 | 0 43 | 23 44 | 0 13 | 18 35 | 1 58 | 12 59 | 1 32 | 22 16 | 0 27 | 22 14 | 1 3 | 2 3 | 0 40 | 10 55 | 1 48 | 4 53 | 13 33 | 12 15 | 11 41 | 14 54 | 0 42 | 4 6 |
| F 24 | 23 7 | 10 58 | 0n26 | 23 55 | 0 24 | 18 50 | 1 56 | 13 6 | 1 33 | 22 17 | 0 27 | 22 15 | 1 3 | 2 4 | 0 40 | 10 56 | 1 48 | 4 53 | 13 33 | 12 15 | 11 42 | 14 55 | 0 42 | 4 6 |
| S 25 | 23 2 | 7 6 | 1 35 | 24 5 | 0 35 | 19 6 | 1 54 | 13 14 | 1 34 | 22 19 | 0 27 | 22 15 | 1 3 | 2 4 | 0 40 | 10 56 | 1 48 | 4 53 | 13 33 | 12 15 | 11 43 | 14 56 | 0 42 | 4 6 |
| S 26 | 22 57 | 2 49 | 2 41 | 24 11 | 0 44 | 19 20 | 1 52 | 13 22 | 1 35 | 22 20 | 0 27 | 22 16 | 1 3 | 2 5 | 0 40 | 10 56 | 1 48 | 4 53 | 13 34 | 12 14 | 11 44 | 14 58 | 0 42 | 4 6 |
| M27 | 22 52 | 1s42 | 3 39 | 24 15 | 0 54 | 19 35 | 1 50 | 13 31 | 1 36 | 22 22 | 0 27 | 22 16 | 1 3 | 2 5 | 0 40 | 10 57 | 1 48 | 4 53 | 13 34 | 12 14 | 11 45 | 14 59 | 0 42 | 4 6 |
| T 28 | 22 46 | 6 14 | 4 25 | 24 17 | 1 2 | 19 49 | 1 48 | 13 39 | 1 37 | 22 23 | 0 27 | 22 17 | 1 3 | 2 6 | 0 40 | 10 57 | 1 48 | 4 53 | 13 34 | 12 14 | 11 46 | 15 1 | 0 42 | 4 6 |
| W29 | 22 40 | 10 31 | 4 56 | 24 15 | 1 10 | 20 2 | 1 45 | 13 47 | 1 38 | 22 25 | 0 27 | 22 17 | 1 3 | 2 6 | 0 40 | 10 57 | 1 48 | 4 53 | 13 34 | 12 15 | 11 47 | 15 2 | 0 42 | 4 6 |
| T 30 | 22n33 | 14s14 | 5n 9 | 24n11 | 1n17 | 20n15 | 1s43 | 13s56 | 1s39 | 22n26 | 0s27 | 22n18 | 1s 3 | 2s 7 | 0n40 | 10n57 | 1s48 | 4n53 | 13s34 | 12n17 | 11n48 | 15n 4 | 0n42 | 4n 7 |

Julian Day Number = 2226715.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'12, Lahiri = 15°16'13 Julian Calendar 1 June 1384 == Greg. Calendar 9 June 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## JULY 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 9 46 | 16♋57'01 | 10♐31 | 14♋54 | 10♊41 | 2♏52 | 17♊ 9 | 23♊21 | 6♎52 | 3♉19 | 20♉47 | 27°R43 | 29♌ 6 | 29♉31 | 22°R15 | F 1 |
| S 2 | 19 13 43 | 17°54'15 | 25°24 | 17° 3 | 11°51 | 3°15 | 17°22 | 23°28 | 6°53 | 3°20 | 20°48 | 27♌37 | 29° 3 | 29°37 | 22♓14 | S 2 |
| S 3 | 19 17 39 | 18°51'29 | 10♑13 | 19°10 | 13° 1 | 3°39 | 17°34 | 23°35 | 6°55 | 3°20 | 20°48 | 27°31 | 29° 0 | 29°44 | 22°13 | S 3 |
| M 4 | 19 21 36 | 19°48'43 | 24°52 | 21°17 | 14°11 | 4° 2 | 17°47 | 23°43 | 6°56 | 3°21 | 20°49 | 27°27 | 28°56 | 29°51 | 22°12 | M 4 |
| T 5 | 19 25 32 | 20°45'58 | 9♒11 | 23°23 | 15°22 | 4°27 | 18° 0 | 23°50 | 6°57 | 3°22 | 20°50 | 27°24 | 28°53 | 29°57 | 22°11 | T 5 |
| W 6 | 19 29 29 | 21°43'14 | 23° 8 | 25°28 | 16°32 | 4°51 | 18°13 | 23°57 | 6°59 | 3°23 | 20°51 | 27°D23 | 28°50 | 0♊ 4 | 22°11 | W 6 |
| T 7 | 19 33 25 | 22°40'31 | 6♓39 | 27°32 | 17°42 | 5°16 | 18°25 | 24° 5 | 7° 1 | 3°24 | 20°51 | 27°23 | 28°47 | 0°11 | 22° 9 | T 7 |
| F 8 | 19 37 22 | 23°37'48 | 19°45 | 29°34 | 18°53 | 5°42 | 18°38 | 24°12 | 7° 2 | 3°24 | 20°52 | 27°24 | 28°44 | 0°18 | 22° 8 | F 8 |
| S 9 | 19 41 19 | 24°35'06 | 2♈29 | 1♌35 | 20° 4 | 6° 8 | 18°50 | 24°19 | 7° 4 | 3°25 | 20°53 | 27°26 | 28°41 | 0°24 | 22° 7 | S 9 |
| S 10 | 19 45 15 | 25°32'26 | 14°53 | 3°35 | 21°14 | 6°34 | 19° 2 | 24°26 | 7° 6 | 3°26 | 20°53 | 27°27 | 28°37 | 0°31 | 22° 6 | S 10 |
| M11 | 19 49 12 | 26°29'46 | 27° 2 | 5°33 | 22°25 | 7° 1 | 19°15 | 24°33 | 7° 7 | 3°26 | 20°54 | 27°R28 | 28°34 | 0°38 | 22° 5 | M11 |
| T 12 | 19 53 8 | 27°27'07 | 9♉ 1 | 7°29 | 23°36 | 7°28 | 19°27 | 24°40 | 7° 9 | 3°27 | 20°55 | 27°27 | 28°31 | 0°45 | 22° 4 | T 12 |
| W13 | 19 57 5 | 28°24'30 | 20°55 | 9°24 | 24°47 | 7°55 | 19°39 | 24°47 | 7°11 | 3°27 | 20°55 | 27°25 | 28°28 | 0°51 | 22° 2 | W13 |
| T 14 | 20 1 1 | 29°21'54 | 2♊47 | 11°17 | 25°58 | 8°23 | 19°51 | 24°54 | 7°13 | 3°28 | 20°56 | 27°22 | 28°25 | 0°58 | 22° 1 | T 14 |
| F 15 | 20 4 58 | 0♌19'19 | 14°43 | 13° 9 | 27° 9 | 8°51 | 20° 3 | 25° 1 | 7°15 | 3°28 | 20°57 | 27°18 | 28°22 | 1° 5 | 21°59 | F 15 |
| S 16 | 20 8 54 | 1°16'45 | 26°44 | 14°59 | 28°20 | 9°19 | 20°15 | 25° 8 | 7°17 | 3°29 | 20°57 | 27°14 | 28°18 | 1°11 | 21°58 | S 16 |
| S 17 | 20 12 51 | 2°14'12 | 8♋54 | 16°47 | 29°31 | 9°48 | 20°27 | 25°15 | 7°19 | 3°29 | 20°58 | 27° 9 | 28°15 | 1°18 | 21°56 | S 17 |
| M18 | 20 16 48 | 3°11'40 | 21°14 | 18°34 | 0♋43 | 10°17 | 20°39 | 25°22 | 7°21 | 3°30 | 20°58 | 27° 6 | 28°12 | 1°25 | 21°55 | M18 |
| T 19 | 20 20 44 | 4° 9'09 | 3♌46 | 20°19 | 1°54 | 10°47 | 20°51 | 25°28 | 7°23 | 3°30 | 20°59 | 27° 3 | 28° 9 | 1°32 | 21°53 | T 19 |
| W20 | 20 24 41 | 5° 6'39 | 16°31 | 22° 3 | 3° 5 | 11°17 | 21° 3 | 25°35 | 7°25 | 3°30 | 20°59 | 27° 2 | 28° 6 | 1°38 | 21°52 | W20 |
| T 21 | 20 28 37 | 6° 4'10 | 29°29 | 23°45 | 4°17 | 11°47 | 21°14 | 25°42 | 7°28 | 3°31 | 21° 0 | 27°D 1 | 28° 2 | 1°45 | 21°50 | T 21 |
| F 22 | 20 32 34 | 7° 1'43 | 12♍40 | 25°25 | 5°28 | 12°17 | 21°26 | 25°48 | 7°30 | 3°31 | 21° 0 | 27° 2 | 27°59 | 1°52 | 21°48 | F 22 |
| S 23 | 20 36 30 | 7°59'16 | 26° 4 | 27° 4 | 6°40 | 12°48 | 21°38 | 25°55 | 7°32 | 3°31 | 21° 1 | 27° 3 | 27°56 | 1°59 | 21°46 | S 23 |
| S 24 | 20 40 27 | 8°56'50 | 9♎40 | 28°42 | 7°52 | 13°19 | 21°49 | 26° 1 | 7°35 | 3°31 | 21° 1 | 27° 4 | 27°53 | 2° 5 | 21°44 | S 24 |
| M25 | 20 44 23 | 9°54'25 | 23°30 | 0♍17 | 9° 3 | 13°50 | 22° 0 | 26° 8 | 7°37 | 3°31 | 21° 1 | 27° 6 | 27°50 | 2°12 | 21°43 | M25 |
| T 26 | 20 48 20 | 10°52'01 | 7♏31 | 1°52 | 10°15 | 14°22 | 22°11 | 26°14 | 7°39 | 3°31 | 21° 2 | 27°R 6 | 27°47 | 2°19 | 21°41 | T 26 |
| W27 | 20 52 17 | 11°49'37 | 21°43 | 3°24 | 11°27 | 14°54 | 22°23 | 26°20 | 7°42 | 3°32 | 21° 2 | 27° 6 | 27°43 | 2°25 | 21°39 | W27 |
| T 28 | 20 56 13 | 12°47'15 | 6♐ 3 | 4°55 | 12°39 | 15°26 | 22°34 | 26°27 | 7°44 | 3°32 | 21° 3 | 27° 5 | 27°40 | 2°32 | 21°37 | T 28 |
| F 29 | 21 0 10 | 13°44'54 | 20°29 | 6°25 | 13°51 | 15°59 | 22°45 | 26°33 | 7°47 | 3°R32 | 21° 3 | 27° 4 | 27°37 | 2°39 | 21°35 | F 29 |
| S 30 | 21 4 6 | 14°42'34 | 4♑56 | 7°53 | 15° 3 | 16°31 | 22°56 | 26°39 | 7°50 | 3°32 | 21° 3 | 27° 2 | 27°34 | 2°46 | 21°33 | S 30 |
| S 31 | 21 8 3 | 15♌40'15 | 19♑19 | 9♍19 | 16♋15 | 17♏ 4 | 23♊ 6 | 26♊45 | 7♎52 | 3♉32 | 21♉ 3 | 27♌ 1 | 27♌31 | 2♊52 | 21♓31 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n26 | 17s 7 | 5n 2 | 24n 4 | 1n24 | 20n28 | 1s41 | 14s 5 | 1s40 | 22n27 | 0s27 | 22n18 | 1s 3 | 2s 7 | 0n40 | 10n58 | 1s48 | 4n53 | 13s34 | 12n18 | 11n49 | 15n 5 | 0n42 | 4n 7 |
| S 2 | 22 19 | 18 52 | 4 34 | 23 54 | 1 29 | 20 40 | 1 38 | 14 13 | 1 41 | 22 28 | 0 27 | 22 18 | 1 3 | 2 8 | 0 40 | 10 58 | 1 48 | 4 53 | 13 35 | 12 20 | 11 51 | 15 6 | 0 41 | 4 7 |
| S 3 | 22 11 | 19 20 | 3 48 | 23 42 | 1 34 | 20 51 | 1 36 | 14 22 | 1 42 | 22 30 | 0 26 | 22 19 | 1 3 | 2 8 | 0 40 | 10 58 | 1 48 | 4 53 | 13 35 | 12 22 | 11 52 | 15 8 | 0 41 | 4 7 |
| M 4 | 22 3 | 18 29 | 2 48 | 23 27 | 1 38 | 21 2 | 1 33 | 14 31 | 1 43 | 22 31 | 0 26 | 22 19 | 1 3 | 2 9 | 0 40 | 10 58 | 1 49 | 4 53 | 13 35 | 12 24 | 11 53 | 15 9 | 0 41 | 4 7 |
| T 5 | 21 54 | 16 27 | 1 37 | 23 9 | 1 42 | 21 12 | 1 31 | 14 40 | 1 44 | 22 32 | 0 26 | 22 20 | 1 3 | 2 10 | 0 40 | 10 59 | 1 49 | 4 53 | 13 35 | 12 25 | 11 54 | 15 11 | 0 41 | 4 7 |
| W 6 | 21 45 | 13 29 | 0 23 | 22 50 | 1 44 | 21 22 | 1 28 | 14 49 | 1 45 | 22 33 | 0 26 | 22 20 | 1 3 | 2 10 | 0 40 | 10 59 | 1 49 | 4 53 | 13 36 | 12 25 | 11 55 | 15 12 | 0 40 | 4 8 |
| T 7 | 21 36 | 9 53 | 0s50 | 22 28 | 1 46 | 21 32 | 1 25 | 14 59 | 1 45 | 22 34 | 0 26 | 22 20 | 1 3 | 2 11 | 0 40 | 10 59 | 1 49 | 4 53 | 13 36 | 12 25 | 11 56 | 15 13 | 0 40 | 4 8 |
| F 8 | 21 27 | 5 54 | 1 59 | 22 4 | 1 48 | 21 41 | 1 23 | 15 8 | 1 46 | 22 36 | 0 26 | 22 21 | 1 3 | 2 12 | 0 40 | 10 59 | 1 49 | 4 53 | 13 36 | 12 25 | 11 57 | 15 15 | 0 40 | 4 8 |
| S 9 | 21 16 | 1 46 | 3 0 | 21 38 | 1 48 | 21 49 | 1 20 | 15 17 | 1 47 | 22 37 | 0 26 | 22 21 | 1 3 | 2 12 | 0 40 | 10 59 | 1 49 | 4 53 | 13 36 | 12 24 | 11 58 | 15 16 | 0 40 | 4 8 |
| S 10 | 21 6 | 2n20 | 3 51 | 21 10 | 1 48 | 21 57 | 1 17 | 15 27 | 1 48 | 22 38 | 0 26 | 22 21 | 1 3 | 2 13 | 0 40 | 10 59 | 1 49 | 4 53 | 13 36 | 12 24 | 11 59 | 15 18 | 0 39 | 4 8 |
| M11 | 20 55 | 6 15 | 4 30 | 20 40 | 1 47 | 22 4 | 1 14 | 15 36 | 1 48 | 22 39 | 0 26 | 22 22 | 1 3 | 2 14 | 0 40 | 11 0 | 1 49 | 4 53 | 13 37 | 12 24 | 12 1 | 15 19 | 0 39 | 4 8 |
| T 12 | 20 44 | 9 51 | 4 57 | 20 10 | 1 46 | 22 10 | 1 12 | 15 46 | 1 49 | 22 40 | 0 26 | 22 22 | 1 3 | 2 15 | 0 40 | 11 0 | 1 49 | 4 53 | 13 37 | 12 24 | 12 2 | 15 20 | 0 38 | 4 8 |
| W13 | 20 33 | 13 3 | 5 11 | 19 37 | 1 44 | 22 16 | 1 9 | 15 55 | 1 50 | 22 41 | 0 26 | 22 22 | 1 3 | 2 15 | 0 40 | 11 0 | 1 49 | 4 53 | 13 37 | 12 25 | 12 3 | 15 22 | 0 38 | 4 8 |
| T 14 | 20 21 | 15 41 | 5 11 | 19 4 | 1 41 | 22 21 | 1 6 | 16 5 | 1 50 | 22 42 | 0 26 | 22 23 | 1 3 | 2 16 | 0 40 | 11 0 | 1 49 | 4 53 | 13 37 | 12 26 | 12 4 | 15 23 | 0 38 | 4 9 |
| F 15 | 20 9 | 17 41 | 4 59 | 18 29 | 1 38 | 22 26 | 1 3 | 16 15 | 1 51 | 22 43 | 0 26 | 22 23 | 1 3 | 2 17 | 0 40 | 11 0 | 1 49 | 4 53 | 13 38 | 12 27 | 12 5 | 15 25 | 0 37 | 4 9 |
| S 16 | 19 56 | 18 56 | 4 33 | 17 54 | 1 34 | 22 30 | 1 0 | 16 25 | 1 52 | 22 44 | 0 26 | 22 23 | 1 3 | 2 18 | 0 39 | 11 0 | 1 49 | 4 53 | 13 38 | 12 28 | 12 6 | 15 26 | 0 37 | 4 9 |
| S 17 | 19 44 | 19 19 | 3 54 | 17 17 | 1 30 | 22 34 | 0 57 | 16 34 | 1 52 | 22 45 | 0 26 | 22 23 | 1 3 | 2 19 | 0 39 | 11 0 | 1 49 | 4 53 | 13 38 | 12 30 | 12 7 | 15 27 | 0 36 | 4 9 |
| M18 | 19 30 | 18 48 | 3 4 | 16 40 | 1 26 | 22 37 | 0 54 | 16 44 | 1 53 | 22 46 | 0 26 | 22 24 | 1 3 | 2 19 | 0 39 | 11 0 | 1 49 | 4 53 | 13 38 | 12 31 | 12 8 | 15 29 | 0 36 | 4 9 |
| T 19 | 19 17 | 17 21 | 2 4 | 16 2 | 1 21 | 22 39 | 0 51 | 16 54 | 1 53 | 22 46 | 0 26 | 22 24 | 1 3 | 2 20 | 0 39 | 11 0 | 1 49 | 4 53 | 13 39 | 12 32 | 12 9 | 15 30 | 0 35 | 4 9 |
| W20 | 19 3 | 15 1 | 0 58 | 15 24 | 1 16 | 22 40 | 0 48 | 17 4 | 1 54 | 22 47 | 0 26 | 22 24 | 1 3 | 2 21 | 0 39 | 11 0 | 1 50 | 4 52 | 13 39 | 12 33 | 12 10 | 15 31 | 0 35 | 4 9 |
| T 21 | 18 49 | 11 54 | 0n14 | 14 45 | 1 10 | 22 41 | 0 45 | 17 14 | 1 54 | 22 48 | 0 25 | 22 24 | 1 3 | 2 22 | 0 39 | 11 0 | 1 50 | 4 52 | 13 39 | 12 33 | 12 12 | 15 33 | 0 34 | 4 9 |
| F 22 | 18 35 | 8 8 | 1 25 | 14 5 | 1 4 | 22 42 | 0 42 | 17 24 | 1 55 | 22 49 | 0 25 | 22 25 | 1 2 | 2 23 | 0 39 | 11 0 | 1 50 | 4 52 | 13 39 | 12 32 | 12 13 | 15 34 | 0 33 | 4 10 |
| S 23 | 18 20 | 3 55 | 2 33 | 13 25 | 0 57 | 22 42 | 0 39 | 17 34 | 1 55 | 22 50 | 0 25 | 22 25 | 1 2 | 2 24 | 0 39 | 11 1 | 1 50 | 4 52 | 13 39 | 12 32 | 12 14 | 15 36 | 0 33 | 4 10 |
| S 24 | 18 5 | 0s34 | 3 34 | 12 45 | 0 51 | 22 41 | 0 36 | 17 44 | 1 56 | 22 51 | 0 25 | 22 25 | 1 2 | 2 25 | 0 39 | 11 1 | 1 50 | 4 52 | 13 40 | 12 32 | 12 15 | 15 37 | 0 32 | 4 10 |
| M25 | 17 49 | 5 4 | 4 23 | 12 5 | 0 43 | 22 39 | 0 33 | 17 54 | 1 56 | 22 51 | 0 25 | 22 25 | 1 2 | 2 26 | 0 39 | 11 1 | 1 50 | 4 52 | 13 40 | 12 31 | 12 16 | 15 38 | 0 32 | 4 10 |
| T 26 | 17 34 | 9 22 | 4 58 | 11 25 | 0 36 | 22 37 | 0 30 | 18 4 | 1 57 | 22 52 | 0 25 | 22 25 | 1 2 | 2 27 | 0 39 | 11 0 | 1 50 | 4 52 | 13 40 | 12 31 | 12 17 | 15 40 | 0 31 | 4 10 |
| W27 | 17 18 | 13 11 | 5 14 | 10 44 | 0 29 | 22 34 | 0 27 | 18 13 | 1 57 | 22 53 | 0 25 | 22 26 | 1 2 | 2 28 | 0 39 | 11 0 | 1 50 | 4 51 | 13 40 | 12 31 | 12 18 | 15 41 | 0 30 | 4 10 |
| T 28 | 17 2 | 16 16 | 5 12 | 10 4 | 0 21 | 22 30 | 0 24 | 18 23 | 1 58 | 22 53 | 0 25 | 22 26 | 1 2 | 2 29 | 0 39 | 11 0 | 1 50 | 4 51 | 13 41 | 12 31 | 12 19 | 15 42 | 0 30 | 4 10 |
| F 29 | 16 45 | 18 21 | 4 50 | 9 23 | 0 13 | 22 26 | 0 21 | 18 33 | 1 58 | 22 54 | 0 25 | 22 26 | 1 2 | 2 30 | 0 39 | 11 0 | 1 50 | 4 51 | 13 41 | 12 32 | 12 20 | 15 44 | 0 29 | 4 10 |
| S 30 | 16 28 | 19 16 | 4 10 | 8 43 | 0 4 | 22 22 | 0 18 | 18 43 | 1 58 | 22 55 | 0 25 | 22 26 | 1 2 | 2 31 | 0 39 | 11 0 | 1 50 | 4 51 | 13 41 | 12 32 | 12 21 | 15 45 | 0 28 | 4 10 |
| S 31 | 16n11 | 18s56 | 3n14 | 8n 2 | 0s 4 | 22n16 | 0s15 | 18s53 | 1s59 | 22n55 | 0s25 | 22n26 | 1s 2 | 2s32 | 0n39 | 11n 0 | 1s50 | 4n51 | 13s41 | 12n33 | 12n23 | 15n46 | 0n27 | 4n10 |

Julian Day Number = 2226745.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'16, Lahiri = 15°16'17 Julian Calendar 1 July 1384 == Greg. Calendar 9 July 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## AUGUST 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 11 59 | 16♌37'57 | 3♒33 | 10♍44 | 17♋27 | 17♏38 | 23♊17 | 26♊51 | 7♎55 | 3°R31 | 21♉ 4 | 27°R 0 | 27♌28 | 2♊59 | 21°R28 | M 1 |
| T 2 | 21 15 56 | 17°35'41 | 17°33 | 12° 7 | 18°39 | 18°11 | 23°28 | 26°57 | 7°58 | 3♉31 | 21° 4 | 26♌59 | 27°24 | 3° 6 | 21♓26 | T 2 |
| W 3 | 21 19 52 | 18°33'26 | 1♓16 | 13°28 | 19°52 | 18°45 | 23°38 | 27° 3 | 8° 0 | 3°31 | 21° 4 | 26°D59 | 27°21 | 3°12 | 21°24 | W 3 |
| T 4 | 21 23 49 | 19°31'12 | 14°39 | 14°48 | 21° 4 | 19°19 | 23°49 | 27° 9 | 8° 3 | 3°31 | 21° 4 | 26°59 | 27°18 | 3°19 | 21°22 | T 4 |
| F 5 | 21 27 46 | 20°29'00 | 27°41 | 16° 6 | 22°16 | 19°53 | 23°59 | 27°14 | 8° 6 | 3°31 | 21° 4 | 27° 0 | 27°15 | 3°26 | 21°20 | F 5 |
| S 6 | 21 31 42 | 21°26'50 | 10♈24 | 17°22 | 23°29 | 20°28 | 24° 9 | 27°20 | 8° 9 | 3°31 | 21° 5 | 27° 1 | 27°12 | 3°33 | 21°17 | S 6 |
| S 7 | 21 35 39 | 22°24'41 | 22°50 | 18°36 | 24°41 | 21° 2 | 24°19 | 27°26 | 8°12 | 3°30 | 21° 5 | 27° 1 | 27° 8 | 3°39 | 21°15 | S 7 |
| M 8 | 21 39 35 | 23°22'34 | 5♉ 1 | 19°49 | 25°54 | 21°37 | 24°29 | 27°31 | 8°15 | 3°30 | 21° 5 | 27° 1 | 27° 5 | 3°46 | 21°13 | M 8 |
| T 9 | 21 43 32 | 24°20'29 | 17° 2 | 20°59 | 27° 7 | 22°13 | 24°39 | 27°37 | 8°18 | 3°30 | 21° 5 | 27° 2 | 27° 2 | 3°53 | 21°10 | T 9 |
| W10 | 21 47 28 | 25°18'26 | 28°56 | 22° 8 | 28°19 | 22°48 | 24°49 | 27°42 | 8°20 | 3°29 | 21° 5 | 27°R 2 | 26°59 | 4° 0 | 21° 8 | W10 |
| T 11 | 21 51 25 | 26°16'25 | 10♊49 | 23°14 | 29°32 | 23°24 | 24°59 | 27°47 | 8°24 | 3°29 | 21° 5 | 27° 2 | 26°56 | 4° 6 | 21° 5 | T 11 |
| F 12 | 21 55 21 | 27°14'25 | 22°46 | 24°18 | 0♌45 | 23°59 | 25° 8 | 27°53 | 8°27 | 3°28 | 21° 5 | 27°D 2 | 26°53 | 4°13 | 21° 3 | F 12 |
| S 13 | 21 59 18 | 28°12'28 | 4♋50 | 25°19 | 1°58 | 24°35 | 25°18 | 27°58 | 8°30 | 3°28 | 21°R 5 | 27° 2 | 26°49 | 4°20 | 21° 0 | S 13 |
| S 14 | 22 3 15 | 29°10'32 | 17° 4 | 26°18 | 3°11 | 25°12 | 25°27 | 28° 3 | 8°33 | 3°28 | 21° 5 | 27° 2 | 26°46 | 4°26 | 20°58 | S 14 |
| M15 | 22 7 11 | 0♍ 8'38 | 29°34 | 27°14 | 4°24 | 25°48 | 25°36 | 28° 8 | 8°36 | 3°27 | 21° 5 | 27° 2 | 26°43 | 4°33 | 20°55 | M15 |
| T 16 | 22 11 8 | 1° 6'46 | 12♌19 | 28° 8 | 5°37 | 26°25 | 25°46 | 28°13 | 8°39 | 3°26 | 21° 5 | 27° 2 | 26°40 | 4°40 | 20°53 | T 16 |
| W17 | 22 15 4 | 2° 4'56 | 25°22 | 28°58 | 6°50 | 27° 2 | 25°55 | 28°18 | 8°42 | 3°26 | 21° 5 | 27°R 3 | 26°37 | 4°47 | 20°50 | W17 |
| T 18 | 22 19 1 | 3° 3'08 | 8♍42 | 29°45 | 8° 3 | 27°39 | 26° 4 | 28°23 | 8°45 | 3°25 | 21° 5 | 27° 2 | 26°33 | 4°53 | 20°47 | T 18 |
| F 19 | 22 22 57 | 4° 1'21 | 22°18 | 0♎29 | 9°16 | 28°16 | 26°12 | 28°27 | 8°49 | 3°25 | 21° 5 | 27° 2 | 26°30 | 5° 0 | 20°45 | F 19 |
| S 20 | 22 26 54 | 4°59'36 | 6♎ 8 | 1° 9 | 10°30 | 28°54 | 26°21 | 28°32 | 8°52 | 3°24 | 21° 4 | 27° 1 | 26°27 | 5° 7 | 20°42 | S 20 |
| S 21 | 22 30 50 | 5°57'52 | 20° 9 | 1°45 | 11°43 | 29°31 | 26°29 | 28°37 | 8°55 | 3°23 | 21° 4 | 27° 0 | 26°24 | 5°13 | 20°39 | S 21 |
| M22 | 22 34 47 | 6°56'11 | 4♏18 | 2°17 | 12°56 | 0♐ 9 | 26°38 | 28°41 | 8°59 | 3°22 | 21° 4 | 26°59 | 26°21 | 5°20 | 20°37 | M22 |
| T 23 | 22 38 43 | 7°54'30 | 18°31 | 2°44 | 14°10 | 0°47 | 26°46 | 28°45 | 9° 2 | 3°22 | 21° 4 | 26°58 | 26°18 | 5°27 | 20°34 | T 23 |
| W24 | 22 42 40 | 8°52'52 | 2♐46 | 3° 6 | 15°23 | 1°25 | 26°54 | 28°50 | 9° 5 | 3°21 | 21° 4 | 26°D58 | 26°14 | 5°34 | 20°31 | W24 |
| T 25 | 22 46 37 | 9°51'15 | 16°59 | 3°24 | 16°37 | 2° 4 | 27° 2 | 28°54 | 9° 9 | 3°20 | 21° 3 | 26°58 | 26°11 | 5°40 | 20°29 | T 25 |
| F 26 | 22 50 33 | 10°49'39 | 1♑ 9 | 3°36 | 17°51 | 2°42 | 27°10 | 28°58 | 9°12 | 3°19 | 21° 3 | 26°58 | 26° 8 | 5°47 | 20°26 | F 26 |
| S 27 | 22 54 30 | 11°48'05 | 15°12 | 3°R42 | 19° 4 | 3°21 | 27°18 | 29° 2 | 9°16 | 3°18 | 21° 3 | 26°59 | 26° 5 | 5°54 | 20°23 | S 27 |
| S 28 | 22 58 26 | 12°46'33 | 29° 8 | 3°41 | 20°18 | 4° 0 | 27°25 | 29° 6 | 9°19 | 3°17 | 21° 3 | 27° 1 | 26° 2 | 6° 1 | 20°20 | S 28 |
| M29 | 23 2 23 | 13°45'02 | 12♒54 | 3°35 | 21°32 | 4°39 | 27°33 | 29°10 | 9°23 | 3°16 | 21° 2 | 27° 2 | 25°59 | 6° 7 | 20°18 | M29 |
| T 30 | 23 6 19 | 14°43'34 | 26°28 | 3°21 | 22°45 | 5°18 | 27°40 | 29°14 | 9°26 | 3°15 | 21° 2 | 27°R 2 | 25°55 | 6°14 | 20°15 | T 30 |
| W31 | 23 10 16 | 15♍42'07 | 9♓49 | 3♎ 1 | 23♌59 | 5♐57 | 27♊47 | 29♊17 | 9♎30 | 3♉14 | 21♉ 2 | 27♌ 2 | 25♌52 | 6♊21 | 20♓12 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15n54 | 17s23 | 2n 6 | 7n22 | 0s13 | 22n10 | 0s13 | 19s 3 | 1s59 | 22n56 | 0s25 | 22n26 | 1s 2 | 2s33 | 0n39 | 11n 0 | 1s50 | 4n51 | 13s42 | 12n33 | 12n24 | 15n48 | 0n27 | 4n10 |
| T 2 | 15 37 | 14 48 | 0 52 | 6 42 | 0 22 | 22 3 | 0 10 | 19 13 | 1 59 | 22 56 | 0 25 | 22 26 | 1 2 | 2 34 | 0 39 | 11 0 | 1 50 | 4 50 | 13 42 | 12 33 | 12 25 | 15 49 | 0 26 | 4 10 |
| W 3 | 15 19 | 11 26 | 0s24 | 6 3 | 0 31 | 21 56 | 0 7 | 19 22 | 2 0 | 22 57 | 0 25 | 22 27 | 1 2 | 2 35 | 0 39 | 11 0 | 1 50 | 4 50 | 13 42 | 12 33 | 12 26 | 15 50 | 0 25 | 4 11 |
| T 4 | 15 1 | 7 33 | 1 36 | 5 24 | 0 40 | 21 48 | 0 4 | 19 32 | 2 0 | 22 58 | 0 25 | 22 27 | 1 2 | 2 37 | 0 39 | 11 0 | 1 50 | 4 50 | 13 43 | 12 33 | 12 27 | 15 52 | 0 24 | 4 11 |
| F 5 | 14 42 | 3 24 | 2 42 | 4 45 | 0 49 | 21 39 | 0 1 | 19 42 | 2 0 | 22 58 | 0 25 | 22 27 | 1 2 | 2 38 | 0 39 | 11 0 | 1 51 | 4 50 | 13 43 | 12 33 | 12 28 | 15 53 | 0 23 | 4 11 |
| S 6 | 14 24 | 0n47 | 3 38 | 4 7 | 0 58 | 21 30 | 0n 2 | 19 51 | 2 1 | 22 59 | 0 25 | 22 27 | 1 2 | 2 39 | 0 39 | 11 0 | 1 51 | 4 50 | 13 43 | 12 33 | 12 29 | 15 54 | 0 22 | 4 11 |
| S 7 | 14 5 | 4 51 | 4 22 | 3 29 | 1 8 | 21 20 | 0 5 | 20 1 | 2 1 | 22 59 | 0 25 | 22 27 | 1 2 | 2 40 | 0 39 | 10 59 | 1 51 | 4 49 | 13 43 | 12 33 | 12 30 | 15 56 | 0 22 | 4 11 |
| M 8 | 13 46 | 8 37 | 4 54 | 2 52 | 1 17 | 21 10 | 0 8 | 20 10 | 2 1 | 23 0 | 0 25 | 22 27 | 1 2 | 2 41 | 0 39 | 10 59 | 1 51 | 4 49 | 13 44 | 12 33 | 12 31 | 15 57 | 0 21 | 4 11 |
| T 9 | 13 27 | 11 59 | 5 12 | 2 16 | 1 26 | 20 59 | 0 11 | 20 20 | 2 1 | 23 0 | 0 25 | 22 27 | 1 2 | 2 42 | 0 39 | 10 59 | 1 51 | 4 49 | 13 44 | 12 33 | 12 32 | 15 58 | 0 20 | 4 11 |
| W10 | 13 8 | 14 50 | 5 17 | 1 40 | 1 36 | 20 47 | 0 13 | 20 29 | 2 1 | 23 0 | 0 25 | 22 27 | 1 2 | 2 44 | 0 39 | 10 59 | 1 51 | 4 49 | 13 44 | 12 33 | 12 33 | 16 0 | 0 19 | 4 11 |
| T 11 | 12 48 | 17 4 | 5 8 | 1 5 | 1 46 | 20 35 | 0 16 | 20 39 | 2 2 | 23 1 | 0 24 | 22 27 | 1 2 | 2 45 | 0 39 | 10 59 | 1 51 | 4 48 | 13 44 | 12 33 | 12 35 | 16 1 | 0 18 | 4 11 |
| F 12 | 12 28 | 18 34 | 4 46 | 0 31 | 1 55 | 20 22 | 0 19 | 20 48 | 2 2 | 23 1 | 0 24 | 22 28 | 1 2 | 2 46 | 0 39 | 10 59 | 1 51 | 4 48 | 13 45 | 12 33 | 12 36 | 16 2 | 0 17 | 4 11 |
| S 13 | 12 8 | 19 15 | 4 11 | 0s 2 | 2 5 | 20 8 | 0 22 | 20 57 | 2 2 | 23 2 | 0 24 | 22 28 | 1 2 | 2 47 | 0 39 | 10 58 | 1 51 | 4 48 | 13 45 | 12 33 | 12 37 | 16 4 | 0 16 | 4 11 |
| S 14 | 11 48 | 19 3 | 3 24 | 0 34 | 2 14 | 19 54 | 0 24 | 21 6 | 2 2 | 23 2 | 0 24 | 22 28 | 1 2 | 2 49 | 0 39 | 10 58 | 1 51 | 4 48 | 13 45 | 12 32 | 12 38 | 16 5 | 0 15 | 4 11 |
| M15 | 11 27 | 17 55 | 2 27 | 1 5 | 2 23 | 19 39 | 0 27 | 21 15 | 2 2 | 23 2 | 0 24 | 22 28 | 1 2 | 2 50 | 0 39 | 10 58 | 1 51 | 4 48 | 13 45 | 12 32 | 12 39 | 16 6 | 0 14 | 4 11 |
| T 16 | 11 7 | 15 52 | 1 21 | 1 35 | 2 33 | 19 24 | 0 29 | 21 24 | 2 2 | 23 3 | 0 24 | 22 28 | 1 3 | 2 51 | 0 39 | 10 58 | 1 51 | 4 47 | 13 46 | 12 32 | 12 40 | 16 8 | 0 13 | 4 11 |
| W17 | 10 46 | 12 58 | 0 9 | 2 4 | 2 42 | 19 8 | 0 32 | 21 33 | 2 2 | 23 3 | 0 24 | 22 28 | 1 3 | 2 52 | 0 38 | 10 57 | 1 51 | 4 47 | 13 46 | 12 32 | 12 41 | 16 9 | 0 12 | 4 11 |
| T 18 | 10 25 | 9 20 | 1n 4 | 2 31 | 2 51 | 18 52 | 0 34 | 21 41 | 2 3 | 23 3 | 0 24 | 22 28 | 1 3 | 2 54 | 0 38 | 10 57 | 1 51 | 4 47 | 13 46 | 12 32 | 12 42 | 16 10 | 0 11 | 4 11 |
| F 19 | 10 4 | 5 8 | 2 15 | 2 56 | 2 59 | 18 35 | 0 37 | 21 50 | 2 3 | 23 4 | 0 24 | 22 28 | 1 3 | 2 55 | 0 38 | 10 57 | 1 51 | 4 46 | 13 46 | 12 32 | 12 43 | 16 12 | 0 10 | 4 11 |
| S 20 | 9 43 | 0 37 | 3 20 | 3 20 | 3 8 | 18 18 | 0 39 | 21 58 | 2 3 | 23 4 | 0 24 | 22 28 | 1 3 | 2 56 | 0 38 | 10 57 | 1 51 | 4 46 | 13 47 | 12 33 | 12 44 | 16 13 | 0 9 | 4 11 |
| S 21 | 9 21 | 3s59 | 4 13 | 3 41 | 3 16 | 18 0 | 0 42 | 22 7 | 2 3 | 23 4 | 0 24 | 22 28 | 1 3 | 2 58 | 0 38 | 10 56 | 1 51 | 4 46 | 13 47 | 12 33 | 12 45 | 16 14 | 0 8 | 4 11 |
| M22 | 9 0 | 8 25 | 4 52 | 4 1 | 3 24 | 17 41 | 0 44 | 22 15 | 2 3 | 23 4 | 0 24 | 22 28 | 1 3 | 2 59 | 0 38 | 10 56 | 1 52 | 4 46 | 13 47 | 12 33 | 12 47 | 16 15 | 0 7 | 4 11 |
| T 23 | 8 38 | 12 23 | 5 13 | 4 19 | 3 31 | 17 22 | 0 46 | 22 23 | 2 3 | 23 5 | 0 24 | 22 28 | 1 3 | 3 0 | 0 38 | 10 56 | 1 52 | 4 45 | 13 47 | 12 34 | 12 48 | 16 17 | 0 6 | 4 11 |
| W24 | 8 16 | 15 38 | 5 15 | 4 34 | 3 38 | 17 3 | 0 49 | 22 31 | 2 3 | 23 5 | 0 24 | 22 28 | 1 3 | 3 2 | 0 38 | 10 55 | 1 52 | 4 45 | 13 48 | 12 34 | 12 49 | 16 18 | 0 5 | 4 11 |
| T 25 | 7 54 | 17 57 | 4 57 | 4 47 | 3 44 | 16 43 | 0 51 | 22 39 | 2 3 | 23 5 | 0 24 | 22 28 | 1 3 | 3 3 | 0 38 | 10 55 | 1 52 | 4 45 | 13 48 | 12 34 | 12 50 | 16 19 | 0 4 | 4 11 |
| F 26 | 7 32 | 19 9 | 4 22 | 4 56 | 3 49 | 16 22 | 0 53 | 22 47 | 2 3 | 23 5 | 0 24 | 22 28 | 1 3 | 3 4 | 0 38 | 10 55 | 1 52 | 4 44 | 13 48 | 12 34 | 12 51 | 16 21 | 0 3 | 4 11 |
| S 27 | 7 10 | 19 9 | 3 31 | 5 3 | 3 54 | 16 1 | 0 55 | 22 54 | 2 3 | 23 6 | 0 24 | 22 28 | 1 3 | 3 6 | 0 38 | 10 54 | 1 52 | 4 44 | 13 48 | 12 33 | 12 52 | 16 22 | 0 1 | 4 11 |
| S 28 | 6 47 | 17 59 | 2 28 | 5 7 | 3 58 | 15 40 | 0 57 | 23 2 | 2 3 | 23 6 | 0 24 | 22 28 | 1 3 | 3 7 | 0 38 | 10 54 | 1 52 | 4 44 | 13 49 | 12 33 | 12 53 | 16 23 | 0 0 | 4 11 |
| M29 | 6 25 | 15 46 | 1 17 | 5 6 | 4 1 | 15 18 | 0 59 | 23 9 | 2 3 | 23 6 | 0 24 | 22 28 | 1 3 | 3 8 | 0 38 | 10 54 | 1 52 | 4 43 | 13 49 | 12 33 | 12 54 | 16 25 | 0s 1 | 4 11 |
| T 30 | 6 2 | 12 41 | 0 3 | 5 3 | 4 2 | 14 56 | 1 1 | 23 16 | 2 3 | 23 6 | 0 24 | 22 28 | 1 3 | 3 10 | 0 38 | 10 53 | 1 52 | 4 43 | 13 49 | 12 32 | 12 55 | 16 26 | 0 2 | 4 11 |
| W31 | 5n39 | 8s59 | 1s10 | 4s55 | 4s 3 | 14n33 | 1n 3 | 23s23 | 2s 3 | 23n 6 | 0s24 | 22n28 | 1s 3 | 3s11 | 0n38 | 10n53 | 1s52 | 4n43 | 13s49 | 12n33 | 12n56 | 16n27 | 0s 3 | 4n11 |

Julian Day Number = 2226776.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'21, Lahiri = 15°16'21 Julian Calendar 1 Aug. 1384 == Greg. Calendar 9 Aug. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## SEPTEMBER 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 14 12 | 16♍40'41 | 22♓56 | 2°R34 | 25♌13 | 6♐37 | 27♊54 | 29♊21 | 9♎33 | 3°R13 | 21°R 1 | 27°R 0 | 25♌49 | 6♊27 | 20°R 9 | T 1 |
| F 2 | 23 18 9 | 17°39'18 | 5♈47 | 2♎ 0 | 26°27 | 7°17 | 28° 1 | 29°24 | 9°37 | 3♉12 | 21♉ 1 | 26♌58 | 25°46 | 6°34 | 20♓ 6 | F 2 |
| S 3 | 23 22 6 | 18°37'57 | 18°24 | 1°18 | 27°41 | 7°56 | 28° 8 | 29°28 | 9°40 | 3°11 | 21° 0 | 26°54 | 25°43 | 6°41 | 20° 4 | S 3 |
| S 4 | 23 26 2 | 19°36'38 | 0♉46 | 0°31 | 28°55 | 8°36 | 28°14 | 29°31 | 9°44 | 3°10 | 21° 0 | 26°51 | 25°39 | 6°48 | 20° 1 | S 4 |
| M 5 | 23 29 59 | 20°35'21 | 12°56 | 29♍37 | 0♍ 9 | 9°16 | 28°21 | 29°34 | 9°47 | 3° 9 | 20°59 | 26°47 | 25°36 | 6°54 | 19°58 | M 5 |
| T 6 | 23 33 55 | 21°34'07 | 24°56 | 28°39 | 1°23 | 9°57 | 28°27 | 29°37 | 9°51 | 3° 8 | 20°59 | 26°44 | 25°33 | 7° 1 | 19°55 | T 6 |
| W 7 | 23 37 52 | 22°32'54 | 6♊50 | 27°36 | 2°37 | 10°37 | 28°33 | 29°40 | 9°55 | 3° 7 | 20°58 | 26°42 | 25°30 | 7° 8 | 19°53 | W 7 |
| T 8 | 23 41 48 | 23°31'44 | 18°42 | 26°31 | 3°51 | 11°18 | 28°39 | 29°43 | 9°58 | 3° 6 | 20°58 | 26°D41 | 25°27 | 7°14 | 19°50 | T 8 |
| F 9 | 23 45 45 | 24°30'37 | 0♋37 | 25°24 | 5° 6 | 11°58 | 28°45 | 29°46 | 10° 2 | 3° 4 | 20°57 | 26°41 | 25°24 | 7°21 | 19°47 | F 9 |
| S 10 | 23 49 41 | 25°29'31 | 12°40 | 24°18 | 6°20 | 12°39 | 28°50 | 29°48 | 10° 6 | 3° 3 | 20°57 | 26°42 | 25°20 | 7°28 | 19°44 | S 10 |
| S 11 | 23 53 38 | 26°28'28 | 24°55 | 23°13 | 7°34 | 13°20 | 28°56 | 29°51 | 10° 9 | 3° 2 | 20°56 | 26°44 | 25°17 | 7°35 | 19°41 | S 11 |
| M12 | 23 57 35 | 27°27'28 | 7♌27 | 22°13 | 8°49 | 14° 1 | 29° 1 | 29°54 | 10°13 | 3° 1 | 20°56 | 26°45 | 25°14 | 7°41 | 19°39 | M12 |
| T 13 | 0 1 31 | 28°26'29 | 20°20 | 21°17 | 10° 3 | 14°42 | 29° 6 | 29°56 | 10°17 | 2°59 | 20°55 | 26°R46 | 25°11 | 7°48 | 19°36 | T 13 |
| W14 | 0 5 28 | 29°25'33 | 3♍35 | 20°29 | 11°17 | 15°23 | 29°11 | 29°58 | 10°21 | 2°58 | 20°54 | 26°46 | 25° 8 | 7°55 | 19°33 | W14 |
| T 15 | 0 9 24 | 0♎24'38 | 17°13 | 19°49 | 12°32 | 16° 5 | 29°16 | 0♋ 0 | 10°24 | 2°57 | 20°54 | 26°45 | 25° 5 | 8° 1 | 19°30 | T 15 |
| F 16 | 0 13 21 | 1°23'46 | 1♎12 | 19°18 | 13°46 | 16°46 | 29°21 | 0° 2 | 10°28 | 2°55 | 20°53 | 26°42 | 25° 1 | 8° 8 | 19°28 | F 16 |
| S 17 | 0 17 17 | 2°22'56 | 15°30 | 18°58 | 15° 1 | 17°28 | 29°25 | 0° 4 | 10°32 | 2°54 | 20°52 | 26°37 | 24°58 | 8°15 | 19°25 | S 17 |
| S 18 | 0 21 14 | 3°22'08 | 0♏ 0 | 18°D47 | 16°15 | 18°10 | 29°29 | 0° 6 | 10°36 | 2°52 | 20°52 | 26°31 | 24°55 | 8°22 | 19°22 | S 18 |
| M19 | 0 25 10 | 4°21'22 | 14°36 | 18°48 | 17°30 | 18°52 | 29°33 | 0° 8 | 10°39 | 2°51 | 20°51 | 26°26 | 24°52 | 8°28 | 19°20 | M19 |
| T 20 | 0 29 7 | 5°20'38 | 29°12 | 18°59 | 18°45 | 19°34 | 29°37 | 0°10 | 10°43 | 2°50 | 20°50 | 26°20 | 24°49 | 8°35 | 19°17 | T 20 |
| W21 | 0 33 3 | 6°19'56 | 13♐41 | 19°20 | 19°59 | 20°16 | 29°41 | 0°11 | 10°47 | 2°48 | 20°49 | 26°17 | 24°45 | 8°42 | 19°14 | W21 |
| T 22 | 0 37 0 | 7°19'16 | 27°58 | 19°51 | 21°14 | 20°58 | 29°44 | 0°12 | 10°51 | 2°47 | 20°49 | 26°15 | 24°42 | 8°49 | 19°12 | T 22 |
| F 23 | 0 40 57 | 8°18'37 | 12♑ 3 | 20°31 | 22°29 | 21°41 | 29°48 | 0°14 | 10°54 | 2°45 | 20°48 | 26°D14 | 24°39 | 8°55 | 19° 9 | F 23 |
| S 24 | 0 44 53 | 9°18'00 | 25°53 | 21°20 | 23°44 | 22°23 | 29°51 | 0°15 | 10°58 | 2°44 | 20°47 | 26°15 | 24°36 | 9° 2 | 19° 6 | S 24 |
| S 25 | 0 48 50 | 10°17'25 | 9♒29 | 22°17 | 24°58 | 23° 6 | 29°54 | 0°16 | 11° 2 | 2°42 | 20°46 | 26°17 | 24°33 | 9° 9 | 19° 4 | S 25 |
| M26 | 0 52 46 | 11°16'51 | 22°51 | 23°20 | 26°13 | 23°49 | 29°57 | 0°17 | 11° 6 | 2°41 | 20°45 | 26°R18 | 24°30 | 9°15 | 19° 1 | M26 |
| T 27 | 0 56 43 | 12°16'20 | 6♓ 1 | 24°30 | 27°28 | 24°31 | 29°59 | 0°18 | 11° 9 | 2°39 | 20°45 | 26°17 | 24°26 | 9°22 | 18°59 | T 27 |
| W28 | 1 0 39 | 13°15'50 | 18°58 | 25°46 | 28°43 | 25°14 | 0♋ 2 | 0°19 | 11°13 | 2°37 | 20°44 | 26°15 | 24°23 | 9°29 | 18°56 | W28 |
| T 29 | 1 4 36 | 14°15'22 | 1♈45 | 27° 6 | 29°58 | 25°57 | 0° 4 | 0°19 | 11°17 | 2°36 | 20°43 | 26°10 | 24°20 | 9°36 | 18°54 | T 29 |
| F 30 | 1 8 32 | 15♎14'56 | 14♈20 | 28♍30 | 1♎13 | 26♐40 | 0♋ 6 | 0♋20 | 11♎21 | 2♉34 | 20♉42 | 26♌ 3 | 24♌17 | 9♊42 | 18♓51 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n17 | 4s55 | 2s18 | 4s43 | 4s 2 | 14n10 | 1n 5 | 23s30 | 2s 3 | 23n 6 | 0s24 | 22n28 | 1s 3 | 3s13 | 0n38 | 10n52 | 1s52 | 4n43 | 13s49 | 12n33 | 12n57 | 16n28 | 0s 4 | 4n11 |
| F 2 | 4 54 | 0 43 | 3 17 | 4 27 | 3 59 | 13 47 | 1 6 | 23 36 | 2 2 | 23 7 | 0 24 | 22 28 | 1 3 | 3 14 | 0 38 | 10 52 | 1 52 | 4 42 | 13 50 | 12 34 | 12 58 | 16 30 | 0 5 | 4 11 |
| S 3 | 4 31 | 3n26 | 4 6 | 4 7 | 3 55 | 13 23 | 1 8 | 23 43 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 16 | 0 38 | 10 52 | 1 52 | 4 42 | 13 50 | 12 35 | 12 59 | 16 31 | 0 6 | 4 11 |
| S 4 | 4 8 | 7 22 | 4 42 | 3 42 | 3 49 | 12 59 | 1 10 | 23 49 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 17 | 0 38 | 10 51 | 1 52 | 4 42 | 13 50 | 12 36 | 13 1 | 16 32 | 0 8 | 4 11 |
| M 5 | 3 44 | 10 55 | 5 5 | 3 13 | 3 41 | 12 34 | 1 11 | 23 55 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 18 | 0 38 | 10 51 | 1 52 | 4 41 | 13 50 | 12 37 | 13 2 | 16 33 | 0 9 | 4 11 |
| T 6 | 3 21 | 13 59 | 5 14 | 2 41 | 3 31 | 12 9 | 1 13 | 24 1 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 20 | 0 38 | 10 50 | 1 52 | 4 41 | 13 51 | 12 39 | 13 3 | 16 35 | 0 10 | 4 11 |
| W 7 | 2 58 | 16 27 | 5 9 | 2 5 | 3 19 | 11 44 | 1 14 | 24 7 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 21 | 0 38 | 10 50 | 1 52 | 4 41 | 13 51 | 12 39 | 13 4 | 16 36 | 0 11 | 4 10 |
| T 8 | 2 35 | 18 12 | 4 51 | 1 26 | 3 5 | 11 18 | 1 16 | 24 13 | 2 2 | 23 7 | 0 23 | 22 28 | 1 3 | 3 23 | 0 38 | 10 49 | 1 52 | 4 40 | 13 51 | 12 40 | 13 5 | 16 37 | 0 12 | 4 10 |
| F 9 | 2 11 | 19 10 | 4 21 | 0 45 | 2 49 | 10 52 | 1 17 | 24 18 | 2 1 | 23 7 | 0 23 | 22 28 | 1 3 | 3 24 | 0 38 | 10 49 | 1 52 | 4 40 | 13 51 | 12 40 | 13 6 | 16 38 | 0 13 | 4 10 |
| S 10 | 1 48 | 19 17 | 3 38 | 0 3 | 2 32 | 10 26 | 1 18 | 24 24 | 2 1 | 23 8 | 0 23 | 22 28 | 1 3 | 3 26 | 0 38 | 10 49 | 1 52 | 4 40 | 13 51 | 12 39 | 13 7 | 16 40 | 0 15 | 4 10 |
| S 11 | 1 24 | 18 30 | 2 46 | 0n39 | 2 14 | 9 59 | 1 19 | 24 29 | 2 1 | 23 8 | 0 23 | 22 28 | 1 3 | 3 27 | 0 38 | 10 48 | 1 52 | 4 39 | 13 52 | 12 39 | 13 8 | 16 41 | 0 16 | 4 10 |
| M12 | 1 1 | 16 48 | 1 44 | 1 21 | 1 54 | 9 32 | 1 20 | 24 33 | 2 1 | 23 8 | 0 23 | 22 28 | 1 3 | 3 29 | 0 38 | 10 48 | 1 53 | 4 39 | 13 52 | 12 38 | 13 9 | 16 42 | 0 17 | 4 10 |
| T 13 | 0 37 | 14 12 | 0 35 | 2 1 | 1 34 | 9 5 | 1 21 | 24 38 | 2 1 | 23 8 | 0 23 | 22 28 | 1 3 | 3 30 | 0 38 | 10 47 | 1 53 | 4 38 | 13 52 | 12 38 | 13 10 | 16 43 | 0 18 | 4 10 |
| W14 | 0 14 | 10 48 | 0n37 | 2 39 | 1 14 | 8 37 | 1 22 | 24 42 | 2 0 | 23 8 | 0 23 | 22 28 | 1 3 | 3 32 | 0 38 | 10 47 | 1 53 | 4 38 | 13 52 | 12 38 | 13 11 | 16 45 | 0 19 | 4 10 |
| T 15 | 0s10 | 6 45 | 1 49 | 3 13 | 0 54 | 8 10 | 1 23 | 24 47 | 2 0 | 23 8 | 0 23 | 22 28 | 1 3 | 3 33 | 0 38 | 10 46 | 1 53 | 4 38 | 13 52 | 12 38 | 13 12 | 16 46 | 0 20 | 4 10 |
| F 16 | 0 33 | 2 13 | 2 57 | 3 44 | 0 34 | 7 42 | 1 24 | 24 51 | 2 0 | 23 8 | 0 23 | 22 28 | 1 3 | 3 35 | 0 38 | 10 46 | 1 53 | 4 37 | 13 53 | 12 39 | 13 13 | 16 47 | 0 22 | 4 10 |
| S 17 | 0 57 | 2s31 | 3 54 | 4 10 | 0 14 | 7 14 | 1 25 | 24 55 | 2 0 | 23 8 | 0 23 | 22 28 | 1 3 | 3 36 | 0 38 | 10 45 | 1 53 | 4 37 | 13 53 | 12 41 | 13 14 | 16 48 | 0 23 | 4 9 |
| S 18 | 1 21 | 7 10 | 4 38 | 4 31 | 0n 4 | 6 45 | 1 26 | 24 58 | 1 59 | 23 8 | 0 23 | 22 28 | 1 3 | 3 37 | 0 38 | 10 45 | 1 53 | 4 37 | 13 53 | 12 43 | 13 16 | 16 50 | 0 24 | 4 9 |
| M19 | 1 44 | 11 26 | 5 4 | 4 46 | 0 21 | 6 17 | 1 26 | 25 2 | 1 59 | 23 8 | 0 23 | 22 28 | 1 3 | 3 39 | 0 38 | 10 44 | 1 53 | 4 36 | 13 53 | 12 45 | 13 17 | 16 51 | 0 25 | 4 9 |
| T 20 | 2 8 | 15 0 | 5 10 | 4 57 | 0 37 | 5 48 | 1 27 | 25 5 | 1 59 | 23 8 | 0 23 | 22 28 | 1 3 | 3 40 | 0 38 | 10 44 | 1 53 | 4 36 | 13 53 | 12 47 | 13 18 | 16 52 | 0 26 | 4 9 |
| W21 | 2 31 | 17 37 | 4 56 | 5 2 | 0 52 | 5 19 | 1 27 | 25 8 | 1 58 | 23 8 | 0 23 | 22 28 | 1 3 | 3 42 | 0 38 | 10 43 | 1 53 | 4 36 | 13 54 | 12 48 | 13 19 | 16 53 | 0 27 | 4 9 |
| T 22 | 2 55 | 19 6 | 4 24 | 5 1 | 1 5 | 4 50 | 1 28 | 25 10 | 1 58 | 23 8 | 0 23 | 22 28 | 1 3 | 3 43 | 0 38 | 10 42 | 1 53 | 4 35 | 13 54 | 12 49 | 13 20 | 16 55 | 0 29 | 4 9 |
| F 23 | 3 18 | 19 22 | 3 37 | 4 56 | 1 16 | 4 21 | 1 28 | 25 13 | 1 58 | 23 8 | 0 23 | 22 28 | 1 3 | 3 45 | 0 38 | 10 42 | 1 53 | 4 35 | 13 54 | 12 49 | 13 21 | 16 56 | 0 30 | 4 9 |
| S 24 | 3 42 | 18 28 | 2 37 | 4 46 | 1 27 | 3 51 | 1 29 | 25 15 | 1 58 | 23 9 | 0 23 | 22 28 | 1 3 | 3 46 | 0 38 | 10 41 | 1 53 | 4 35 | 13 54 | 12 48 | 13 22 | 16 57 | 0 31 | 4 8 |
| S 25 | 4 5 | 16 30 | 1 30 | 4 32 | 1 35 | 3 22 | 1 29 | 25 17 | 1 57 | 23 9 | 0 22 | 22 28 | 1 3 | 3 48 | 0 38 | 10 41 | 1 53 | 4 34 | 13 54 | 12 48 | 13 23 | 16 58 | 0 32 | 4 8 |
| M26 | 4 29 | 13 39 | 0 19 | 4 13 | 1 43 | 2 52 | 1 29 | 25 19 | 1 57 | 23 9 | 0 22 | 22 28 | 1 3 | 3 49 | 0 38 | 10 40 | 1 53 | 4 34 | 13 54 | 12 48 | 13 24 | 16 59 | 0 33 | 4 8 |
| T 27 | 4 52 | 10 9 | 0s52 | 3 51 | 1 49 | 2 22 | 1 29 | 25 21 | 1 56 | 23 9 | 0 22 | 22 28 | 1 3 | 3 51 | 0 38 | 10 40 | 1 53 | 4 34 | 13 55 | 12 48 | 13 25 | 17 1 | 0 34 | 4 8 |
| W28 | 5 15 | 6 12 | 1 59 | 3 25 | 1 53 | 1 52 | 1 29 | 25 22 | 1 56 | 23 9 | 0 22 | 22 28 | 1 3 | 3 52 | 0 38 | 10 39 | 1 53 | 4 33 | 13 55 | 12 49 | 13 26 | 17 2 | 0 35 | 4 8 |
| T 29 | 5 38 | 2 2 | 2 59 | 2 57 | 1 57 | 1 23 | 1 29 | 25 23 | 1 56 | 23 9 | 0 22 | 22 28 | 1 3 | 3 54 | 0 38 | 10 39 | 1 53 | 4 33 | 13 55 | 12 50 | 13 27 | 17 3 | 0 37 | 4 8 |
| F 30 | 6s 1 | 2n 9 | 3s49 | 2n26 | 2n 0 | 0n53 | 1n29 | 25s24 | 1s55 | 23n 9 | 0s22 | 22n27 | 1s 4 | 3s55 | 0n38 | 10n38 | 1s53 | 4n32 | 13s55 | 12n53 | 13n28 | 17n 4 | 0s38 | 4n 7 |

Julian Day Number = 2226807.5, Delta T = 08m17s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'25, Lahiri = 15°16'25 Julian Calendar 1 Sept. 1384 == Greg. Calendar 9 Sept. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## OCTOBER 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 12 29 | 16♎14'32 | 26♈45 | 29♍58 | 2♎28 | 27♐24 | 0♋ 8 | 0♋20 | 11♎25 | 2°R33 | 20°R41 | 25°R54 | 24♌14 | 9♊49 | 18°R49 | S 1 |
| S 2 | 1 16 26 | 17°14'11 | 9♉ 0 | 1♎28 | 3°43 | 28° 7 | 0° 9 | 0°20 | 11°28 | 2♉31 | 20♉40 | 25♌45 | 24°10 | 9°56 | 18♓47 | S 2 |
| M 3 | 1 20 22 | 18°13'51 | 21° 5 | 3° 1 | 4°58 | 28°50 | 0°11 | 0°21 | 11°32 | 2°29 | 20°39 | 25°35 | 24° 7 | 10° 2 | 18°44 | M 3 |
| T 4 | 1 24 19 | 19°13'34 | 3♊ 2 | 4°36 | 6°13 | 29°34 | 0°12 | 0°R21 | 11°36 | 2°28 | 20°38 | 25°25 | 24° 4 | 10° 9 | 18°42 | T 4 |
| W 5 | 1 28 15 | 20°13'18 | 14°54 | 6°12 | 7°28 | 0♋17 | 0°13 | 0°21 | 11°40 | 2°26 | 20°37 | 25°18 | 24° 1 | 10°16 | 18°40 | W 5 |
| T 6 | 1 32 12 | 21°13'05 | 26°45 | 7°50 | 8°43 | 1° 1 | 0°14 | 0°20 | 11°43 | 2°25 | 20°36 | 25°12 | 23°58 | 10°23 | 18°38 | T 6 |
| F 7 | 1 36 8 | 22°12'55 | 8♋38 | 9°28 | 9°58 | 1°44 | 0°14 | 0°20 | 11°47 | 2°23 | 20°35 | 25° 9 | 23°55 | 10°29 | 18°35 | F 7 |
| S 8 | 1 40 5 | 23°12'46 | 20°37 | 11° 7 | 11°13 | 2°28 | 0°15 | 0°20 | 11°51 | 2°21 | 20°35 | 25°D 8 | 23°51 | 10°36 | 18°33 | S 8 |
| S 9 | 1 44 1 | 24°12'40 | 2♌49 | 12°47 | 12°28 | 3°12 | 0°15 | 0°19 | 11°55 | 2°20 | 20°34 | 25° 8 | 23°48 | 10°43 | 18°31 | S 9 |
| M10 | 1 47 58 | 25°12'36 | 15°18 | 14°27 | 13°43 | 3°56 | 0°R15 | 0°19 | 11°58 | 2°18 | 20°33 | 25° 9 | 23°45 | 10°49 | 18°29 | M10 |
| T 11 | 1 51 55 | 26°12'34 | 28° 9 | 16° 7 | 14°58 | 4°40 | 0°15 | 0°18 | 12° 2 | 2°16 | 20°32 | 25°R 9 | 23°42 | 10°56 | 18°27 | T 11 |
| W12 | 1 55 51 | 27°12'35 | 11♍25 | 17°47 | 16°14 | 5°24 | 0°15 | 0°17 | 12° 6 | 2°15 | 20°30 | 25° 8 | 23°39 | 11° 3 | 18°25 | W12 |
| T 13 | 1 59 48 | 28°12'37 | 25°10 | 19°28 | 17°29 | 6° 8 | 0°14 | 0°16 | 12° 9 | 2°13 | 20°29 | 25° 4 | 23°36 | 11°10 | 18°23 | T 13 |
| F 14 | 2 3 44 | 29°12'42 | 9♎23 | 21° 8 | 18°44 | 6°52 | 0°13 | 0°15 | 12°13 | 2°11 | 20°28 | 24°58 | 23°32 | 11°16 | 18°21 | F 14 |
| S 15 | 2 7 41 | 0♏12'48 | 23°59 | 22°47 | 19°59 | 7°37 | 0°12 | 0°14 | 12°17 | 2° 9 | 20°27 | 24°50 | 23°29 | 11°23 | 18°19 | S 15 |
| S 16 | 2 11 37 | 1°12'57 | 8♏54 | 24°27 | 21°15 | 8°21 | 0°11 | 0°13 | 12°20 | 2° 8 | 20°26 | 24°39 | 23°26 | 11°30 | 18°17 | S 16 |
| M17 | 2 15 34 | 2°13'07 | 23°56 | 26° 6 | 22°30 | 9° 6 | 0°10 | 0°11 | 12°24 | 2° 6 | 20°25 | 24°29 | 23°23 | 11°36 | 18°15 | M17 |
| T 18 | 2 19 30 | 3°13'19 | 8♐58 | 27°45 | 23°45 | 9°50 | 0° 8 | 0°10 | 12°28 | 2° 4 | 20°24 | 24°19 | 23°20 | 11°43 | 18°13 | T 18 |
| W19 | 2 23 27 | 4°13'33 | 23°48 | 29°24 | 25° 1 | 10°35 | 0° 7 | 0° 8 | 12°31 | 2° 3 | 20°23 | 24°12 | 23°16 | 11°50 | 18°12 | W19 |
| T 20 | 2 27 24 | 5°13'48 | 8♑21 | 1♏ 2 | 26°16 | 11°19 | 0° 5 | 0° 7 | 12°35 | 2° 1 | 20°22 | 24° 6 | 23°13 | 11°57 | 18°10 | T 20 |
| F 21 | 2 31 20 | 6°14'05 | 22°33 | 2°40 | 27°31 | 12° 4 | 0° 2 | 0° 5 | 12°38 | 1°59 | 20°21 | 24° 4 | 23°10 | 12° 3 | 18° 8 | F 21 |
| S 22 | 2 35 17 | 7°14'24 | 6♒23 | 4°18 | 28°47 | 12°49 | 0° 0 | 0° 3 | 12°42 | 1°58 | 20°20 | 24°D 3 | 23° 7 | 12°10 | 18° 7 | S 22 |
| S 23 | 2 39 13 | 8°14'43 | 19°51 | 5°55 | 0♏ 2 | 13°34 | 29♊57 | 0° 1 | 12°45 | 1°56 | 20°19 | 24°R 3 | 23° 4 | 12°17 | 18° 5 | S 23 |
| M24 | 2 43 10 | 9°15'04 | 3♓ 0 | 7°32 | 1°17 | 14°19 | 29°55 | 29♊59 | 12°49 | 1°54 | 20°18 | 24° 3 | 23° 1 | 12°23 | 18° 4 | M24 |
| T 25 | 2 47 6 | 10°15'27 | 15°53 | 9° 8 | 2°33 | 15° 4 | 29°52 | 29°56 | 12°52 | 1°53 | 20°17 | 24° 1 | 22°57 | 12°30 | 18° 2 | T 25 |
| W26 | 2 51 3 | 11°15'51 | 28°33 | 10°45 | 3°48 | 15°49 | 29°49 | 29°54 | 12°56 | 1°51 | 20°15 | 23°57 | 22°54 | 12°37 | 18° 1 | W26 |
| T 27 | 2 54 59 | 12°16'16 | 11♈ 2 | 12°21 | 5° 4 | 16°34 | 29°45 | 29°52 | 12°59 | 1°49 | 20°14 | 23°50 | 22°51 | 12°44 | 18° 0 | T 27 |
| F 28 | 2 58 56 | 13°16'43 | 23°21 | 13°56 | 6°19 | 17°19 | 29°42 | 29°49 | 13° 3 | 1°48 | 20°13 | 23°39 | 22°48 | 12°50 | 17°58 | F 28 |
| S 29 | 3 2 53 | 14°17'11 | 5♉33 | 15°32 | 7°34 | 18° 4 | 29°38 | 29°46 | 13° 6 | 1°46 | 20°12 | 23°26 | 22°45 | 12°57 | 17°57 | S 29 |
| S 30 | 3 6 49 | 15°17'41 | 17°38 | 17° 7 | 8°50 | 18°49 | 29°34 | 29°44 | 13° 9 | 1°44 | 20°11 | 23°12 | 22°41 | 13° 4 | 17°56 | S 30 |
| M31 | 3 10 46 | 16♏18'13 | 29♉37 | 18♏41 | 10♏ 5 | 19♋34 | 29♊30 | 29♊41 | 13♎13 | 1♉43 | 20♉10 | 22♌57 | 22♌38 | 13♊10 | 17♓55 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 6s24 | 6n11 | 4s27 | 1n52 | 2n 1 | 0n23 | 1n29 | 25s24 | 1s55 | 23n 9 | 0s22 | 22n27 | 1s 4 | 3s57 | 0n38 | 10n38 | 1s53 | 4n32 | 13s55 | 12n55 | 13n29 | 17n 5 | 0s39 | 4n 7 | S 1 |
| S 2 | 6 47 | 9 55 | 4 53 | 1 16 | 2 2 | 0s 8 | 1 29 | 25 25 | 1 54 | 23 9 | 0 22 | 22 27 | 1 4 | 3 58 | 0 38 | 10 37 | 1 53 | 4 32 | 13 55 | 12 59 | 13 30 | 17 7 | 0 40 | 4 7 | S 2 |
| M 3 | 7 10 | 13 11 | 5 5 | 0 39 | 2 1 | 0 38 | 1 28 | 25 25 | 1 54 | 23 9 | 0 22 | 22 27 | 1 4 | 4 0 | 0 38 | 10 36 | 1 53 | 4 31 | 13 55 | 13 2 | 13 31 | 17 8 | 0 41 | 4 7 | M 3 |
| T 4 | 7 33 | 15 53 | 5 3 | 0 0 | 2 0 | 1 8 | 1 28 | 25 25 | 1 54 | 23 9 | 0 22 | 22 27 | 1 4 | 4 1 | 0 38 | 10 36 | 1 53 | 4 31 | 13 56 | 13 5 | 13 33 | 17 9 | 0 42 | 4 7 | T 4 |
| W 5 | 7 56 | 17 53 | 4 48 | 0s40 | 1 58 | 1 38 | 1 27 | 25 24 | 1 53 | 23 9 | 0 22 | 22 27 | 1 4 | 4 3 | 0 38 | 10 35 | 1 53 | 4 31 | 13 56 | 13 8 | 13 34 | 17 10 | 0 43 | 4 7 | W 5 |
| T 6 | 8 18 | 19 8 | 4 21 | 1 20 | 1 56 | 2 8 | 1 27 | 25 24 | 1 53 | 23 9 | 0 22 | 22 27 | 1 4 | 4 4 | 0 38 | 10 35 | 1 53 | 4 30 | 13 56 | 13 10 | 13 35 | 17 11 | 0 44 | 4 6 | T 6 |
| F 7 | 8 41 | 19 32 | 3 42 | 2 2 | 1 53 | 2 38 | 1 26 | 25 23 | 1 52 | 23 9 | 0 22 | 22 27 | 1 4 | 4 6 | 0 38 | 10 34 | 1 53 | 4 30 | 13 56 | 13 11 | 13 36 | 17 13 | 0 45 | 4 6 | F 7 |
| S 8 | 9 3 | 19 4 | 2 54 | 2 44 | 1 50 | 3 8 | 1 26 | 25 21 | 1 52 | 23 9 | 0 22 | 22 27 | 1 4 | 4 7 | 0 38 | 10 34 | 1 53 | 4 30 | 13 56 | 13 11 | 13 37 | 17 14 | 0 46 | 4 6 | S 8 |
| S 9 | 9 25 | 17 42 | 1 57 | 3 27 | 1 46 | 3 38 | 1 25 | 25 20 | 1 51 | 23 9 | 0 22 | 22 27 | 1 4 | 4 9 | 0 38 | 10 33 | 1 53 | 4 29 | 13 56 | 13 11 | 13 38 | 17 15 | 0 47 | 4 6 | S 9 |
| M10 | 9 47 | 15 28 | 0 52 | 4 10 | 1 41 | 4 8 | 1 24 | 25 18 | 1 51 | 23 9 | 0 22 | 22 27 | 1 4 | 4 10 | 0 38 | 10 32 | 1 53 | 4 29 | 13 56 | 13 11 | 13 39 | 17 16 | 0 48 | 4 6 | M10 |
| T 11 | 10 9 | 12 24 | 0n16 | 4 53 | 1 36 | 4 38 | 1 23 | 25 16 | 1 50 | 23 9 | 0 22 | 22 27 | 1 4 | 4 11 | 0 38 | 10 32 | 1 53 | 4 29 | 13 56 | 13 11 | 13 40 | 17 17 | 0 49 | 4 5 | T 11 |
| W12 | 10 31 | 8 37 | 1 26 | 5 36 | 1 31 | 5 8 | 1 23 | 25 14 | 1 50 | 23 10 | 0 22 | 22 27 | 1 4 | 4 13 | 0 38 | 10 31 | 1 53 | 4 28 | 13 56 | 13 11 | 13 41 | 17 18 | 0 50 | 4 5 | W12 |
| T 13 | 10 52 | 4 16 | 2 33 | 6 19 | 1 26 | 5 38 | 1 22 | 25 12 | 1 49 | 23 10 | 0 21 | 22 27 | 1 4 | 4 14 | 0 38 | 10 31 | 1 53 | 4 28 | 13 57 | 13 12 | 13 42 | 17 20 | 0 51 | 4 5 | T 13 |
| F 14 | 11 14 | 0s28 | 3 33 | 7 2 | 1 20 | 6 7 | 1 21 | 25 9 | 1 49 | 23 10 | 0 21 | 22 27 | 1 4 | 4 16 | 0 38 | 10 30 | 1 53 | 4 28 | 13 57 | 13 14 | 13 43 | 17 21 | 0 52 | 4 5 | F 14 |
| S 15 | 11 35 | 5 18 | 4 20 | 7 44 | 1 15 | 6 37 | 1 20 | 25 6 | 1 48 | 23 10 | 0 21 | 22 27 | 1 4 | 4 17 | 0 38 | 10 29 | 1 53 | 4 27 | 13 57 | 13 17 | 13 44 | 17 22 | 0 53 | 4 4 | S 15 |
| S 16 | 11 56 | 9 55 | 4 51 | 8 27 | 1 9 | 7 6 | 1 18 | 25 3 | 1 48 | 23 10 | 0 21 | 22 27 | 1 4 | 4 19 | 0 38 | 10 29 | 1 53 | 4 27 | 13 57 | 13 21 | 13 45 | 17 23 | 0 54 | 4 4 | S 16 |
| M17 | 12 17 | 13 56 | 5 2 | 9 8 | 1 3 | 7 35 | 1 17 | 24 59 | 1 47 | 23 10 | 0 21 | 22 27 | 1 4 | 4 20 | 0 38 | 10 28 | 1 53 | 4 27 | 13 57 | 13 24 | 13 46 | 17 24 | 0 55 | 4 4 | M17 |
| T 18 | 12 38 | 17 3 | 4 53 | 9 50 | 0 56 | 8 4 | 1 16 | 24 55 | 1 47 | 23 10 | 0 21 | 22 27 | 1 4 | 4 21 | 0 38 | 10 28 | 1 53 | 4 26 | 13 57 | 13 27 | 13 47 | 17 25 | 0 56 | 4 4 | T 18 |
| W19 | 12 58 | 18 59 | 4 23 | 10 31 | 0 50 | 8 33 | 1 15 | 24 51 | 1 46 | 23 10 | 0 21 | 22 27 | 1 4 | 4 23 | 0 38 | 10 27 | 1 53 | 4 26 | 13 57 | 13 30 | 13 48 | 17 27 | 0 57 | 4 4 | W19 |
| T 20 | 13 18 | 19 38 | 3 37 | 11 12 | 0 43 | 9 2 | 1 13 | 24 47 | 1 45 | 23 10 | 0 21 | 22 27 | 1 4 | 4 24 | 0 38 | 10 27 | 1 53 | 4 26 | 13 57 | 13 32 | 13 49 | 17 28 | 0 58 | 4 3 | T 20 |
| F 21 | 13 39 | 19 1 | 2 39 | 11 52 | 0 37 | 9 30 | 1 12 | 24 42 | 1 45 | 23 10 | 0 21 | 22 27 | 1 4 | 4 26 | 0 38 | 10 26 | 1 53 | 4 25 | 13 57 | 13 33 | 13 50 | 17 29 | 0 59 | 4 3 | F 21 |
| S 22 | 13 58 | 17 15 | 1 32 | 12 31 | 0 30 | 9 59 | 1 10 | 24 38 | 1 44 | 23 10 | 0 21 | 22 27 | 1 4 | 4 27 | 0 38 | 10 25 | 1 53 | 4 25 | 13 57 | 13 33 | 13 51 | 17 30 | 0 59 | 4 3 | S 22 |
| S 23 | 14 18 | 14 33 | 0 22 | 13 10 | 0 23 | 10 27 | 1 9 | 24 33 | 1 44 | 23 10 | 0 21 | 22 27 | 1 4 | 4 28 | 0 38 | 10 25 | 1 53 | 4 25 | 13 57 | 13 33 | 13 52 | 17 31 | 1 0 | 4 3 | S 23 |
| M24 | 14 37 | 11 10 | 0s47 | 13 48 | 0 17 | 10 54 | 1 7 | 24 27 | 1 43 | 23 10 | 0 21 | 22 27 | 1 4 | 4 30 | 0 38 | 10 24 | 1 53 | 4 24 | 13 57 | 13 33 | 13 53 | 17 32 | 1 1 | 4 2 | M24 |
| T 25 | 14 57 | 7 19 | 1 53 | 14 26 | 0 10 | 11 22 | 1 6 | 24 22 | 1 43 | 23 10 | 0 21 | 22 27 | 1 4 | 4 31 | 0 38 | 10 24 | 1 53 | 4 24 | 13 57 | 13 33 | 13 55 | 17 33 | 1 2 | 4 2 | T 25 |
| W26 | 15 15 | 3 12 | 2 52 | 15 3 | 0 3 | 11 49 | 1 4 | 24 16 | 1 42 | 23 11 | 0 21 | 22 27 | 1 4 | 4 32 | 0 38 | 10 23 | 1 53 | 4 24 | 13 57 | 13 35 | 13 56 | 17 35 | 1 3 | 4 2 | W26 |
| T 27 | 15 34 | 0n59 | 3 41 | 15 39 | 0s 3 | 12 16 | 1 2 | 24 10 | 1 41 | 23 11 | 0 20 | 22 27 | 1 4 | 4 34 | 0 38 | 10 23 | 1 53 | 4 24 | 13 57 | 13 37 | 13 57 | 17 36 | 1 3 | 4 2 | T 27 |
| F 28 | 15 53 | 5 5 | 4 19 | 16 14 | 0 10 | 12 43 | 1 1 | 24 3 | 1 41 | 23 11 | 0 20 | 22 27 | 1 4 | 4 35 | 0 38 | 10 22 | 1 53 | 4 23 | 13 57 | 13 41 | 13 58 | 17 37 | 1 4 | 4 1 | F 28 |
| S 29 | 16 11 | 8 56 | 4 45 | 16 49 | 0 17 | 13 9 | 0 59 | 23 57 | 1 40 | 23 11 | 0 20 | 22 27 | 1 4 | 4 36 | 0 38 | 10 21 | 1 53 | 4 23 | 13 57 | 13 45 | 13 59 | 17 38 | 1 5 | 4 1 | S 29 |
| S 30 | 16 29 | 12 23 | 4 58 | 17 22 | 0 23 | 13 35 | 0 57 | 23 50 | 1 39 | 23 11 | 0 20 | 22 27 | 1 4 | 4 38 | 0 38 | 10 21 | 1 53 | 4 23 | 13 57 | 13 50 | 14 0 | 17 39 | 1 6 | 4 1 | S 30 |
| M31 | 16s46 | 15n17 | 4s57 | 17s55 | 0s30 | 14s 1 | 0n55 | 23s43 | 1s39 | 23n11 | 0s20 | 22n27 | 1s 4 | 4s39 | 0n38 | 10n20 | 1s53 | 4n22 | 13s57 | 13n55 | 14n 1 | 17n40 | 1s 6 | 4n 1 | M31 |

Julian Day Number = 2226837.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'29, Lahiri = 15°16'29 Julian Calendar 1 Oct. 1384 == Greg. Calendar 9 Oct. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## NOVEMBER 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 14 42 | 17♏18'46 | 11♊31 | 20♏16 | 11♏21 | 20♑20 | 29°R26 | 29°R38 | 13♎16 | 1°R41 | 20°R 9 | 22°R43 | 22♌35 | 13♊17 | 17°R54 | T 1 |
| W 2 | 3 18 39 | 18°19'21 | 23°22 | 21°50 | 12°36 | 21° 5 | 29♊21 | 29♊35 | 13°19 | 1♉40 | 20♉ 8 | 22♌31 | 22°32 | 13°24 | 17♓53 | W 2 |
| T 3 | 3 22 35 | 19°19'58 | 5♋12 | 23°24 | 13°52 | 21°50 | 29°17 | 29°32 | 13°22 | 1°38 | 20° 6 | 22°22 | 22°29 | 13°31 | 17°52 | T 3 |
| F 4 | 3 26 32 | 20°20'36 | 17° 4 | 24°58 | 15° 7 | 22°36 | 29°12 | 29°29 | 13°26 | 1°36 | 20° 5 | 22°16 | 22°26 | 13°37 | 17°51 | F 4 |
| S 5 | 3 30 28 | 21°21'16 | 29° 2 | 26°32 | 16°22 | 23°21 | 29° 7 | 29°25 | 13°29 | 1°35 | 20° 4 | 22°12 | 22°22 | 13°44 | 17°50 | S 5 |
| S 6 | 3 34 25 | 22°21'58 | 11♌10 | 28° 6 | 17°38 | 24° 6 | 29° 2 | 29°22 | 13°32 | 1°33 | 20° 3 | 22°11 | 22°19 | 13°51 | 17°49 | S 6 |
| M 7 | 3 38 22 | 23°22'41 | 23°34 | 29°39 | 18°53 | 24°52 | 28°57 | 29°19 | 13°35 | 1°32 | 20° 2 | 22°11 | 22°16 | 13°57 | 17°48 | M 7 |
| T 8 | 3 42 18 | 24°23'26 | 6♍19 | 1♐12 | 20° 9 | 25°38 | 28°51 | 29°15 | 13°38 | 1°30 | 20° 1 | 22°11 | 22°13 | 14° 4 | 17°47 | T 8 |
| W 9 | 3 46 15 | 25°24'12 | 19°29 | 2°46 | 21°24 | 26°23 | 28°46 | 29°11 | 13°41 | 1°29 | 20° 0 | 22° 9 | 22°10 | 14°11 | 17°47 | W 9 |
| T 10 | 3 50 11 | 26°25'00 | 3♎ 9 | 4°19 | 22°40 | 27° 9 | 28°40 | 29° 8 | 13°44 | 1°27 | 19°59 | 22° 5 | 22° 7 | 14°18 | 17°46 | T 10 |
| F 11 | 3 54 8 | 27°25'50 | 17°19 | 5°52 | 23°55 | 27°54 | 28°34 | 29° 4 | 13°47 | 1°26 | 19°57 | 21°59 | 22° 3 | 14°24 | 17°46 | F 11 |
| S 12 | 3 58 4 | 28°26'40 | 1♏58 | 7°24 | 25°11 | 28°40 | 28°28 | 29° 0 | 13°50 | 1°24 | 19°56 | 21°50 | 22° 0 | 14°31 | 17°45 | S 12 |
| S 13 | 4 2 1 | 29°27'33 | 17° 0 | 8°57 | 26°26 | 29°26 | 28°21 | 28°56 | 13°53 | 1°23 | 19°55 | 21°39 | 21°57 | 14°38 | 17°45 | S 13 |
| M14 | 4 5 57 | 0♐28'26 | 2♐16 | 10°30 | 27°42 | 0♒12 | 28°15 | 28°52 | 13°56 | 1°21 | 19°54 | 21°27 | 21°54 | 14°44 | 17°44 | M14 |
| T 15 | 4 9 54 | 1°29'21 | 17°36 | 12° 2 | 28°58 | 0°57 | 28° 9 | 28°48 | 13°59 | 1°20 | 19°53 | 21°16 | 21°51 | 14°51 | 17°44 | T 15 |
| W16 | 4 13 51 | 2°30'17 | 2♑46 | 13°35 | 0♐13 | 1°43 | 28° 2 | 28°44 | 14° 2 | 1°18 | 19°52 | 21° 7 | 21°47 | 14°58 | 17°44 | W16 |
| T 17 | 4 17 47 | 3°31'14 | 17°38 | 15° 7 | 1°29 | 2°29 | 27°55 | 28°40 | 14° 5 | 1°17 | 19°51 | 21° 1 | 21°44 | 15° 5 | 17°43 | T 17 |
| F 18 | 4 21 44 | 4°32'12 | 2♒ 6 | 16°39 | 2°44 | 3°15 | 27°48 | 28°35 | 14° 7 | 1°16 | 19°50 | 20°57 | 21°41 | 15°11 | 17°43 | F 18 |
| S 19 | 4 25 40 | 5°33'10 | 16° 6 | 18°11 | 4° 0 | 4° 1 | 27°41 | 28°31 | 14°10 | 1°14 | 19°49 | 20°D56 | 21°38 | 15°18 | 17°43 | S 19 |
| S 20 | 4 29 37 | 6°34'09 | 29°39 | 19°43 | 5°15 | 4°47 | 27°34 | 28°27 | 14°13 | 1°13 | 19°48 | 20°R56 | 21°35 | 15°25 | 17°D43 | S 20 |
| M21 | 4 33 33 | 7°35'08 | 12♓48 | 21°15 | 6°31 | 5°33 | 27°27 | 28°22 | 14°16 | 1°12 | 19°46 | 20°56 | 21°32 | 15°31 | 17°43 | M21 |
| T 22 | 4 37 30 | 8°36'08 | 25°36 | 22°46 | 7°46 | 6°19 | 27°20 | 28°18 | 14°18 | 1°10 | 19°45 | 20°55 | 21°28 | 15°38 | 17°43 | T 22 |
| W23 | 4 41 26 | 9°37'09 | 8♈ 7 | 24°17 | 9° 2 | 7° 5 | 27°12 | 28°13 | 14°21 | 1° 9 | 19°44 | 20°51 | 21°25 | 15°45 | 17°43 | W23 |
| T 24 | 4 45 23 | 10°38'10 | 20°25 | 25°48 | 10°17 | 7°50 | 27° 5 | 28° 9 | 14°23 | 1° 8 | 19°43 | 20°45 | 21°22 | 15°52 | 17°44 | T 24 |
| F 25 | 4 49 20 | 11°39'12 | 2♉34 | 27°18 | 11°33 | 8°36 | 26°57 | 28° 4 | 14°26 | 1° 7 | 19°42 | 20°36 | 21°19 | 15°58 | 17°44 | F 25 |
| S 26 | 4 53 16 | 12°40'15 | 14°35 | 28°47 | 12°48 | 9°22 | 26°50 | 27°59 | 14°28 | 1° 6 | 19°41 | 20°24 | 21°16 | 16° 5 | 17°44 | S 26 |
| S 27 | 4 57 13 | 13°41'18 | 26°32 | 0♑16 | 14° 4 | 10° 8 | 26°42 | 27°55 | 14°30 | 1° 4 | 19°40 | 20°11 | 21°13 | 16°12 | 17°44 | S 27 |
| M28 | 5 1 9 | 14°42'22 | 8♊26 | 1°44 | 15°19 | 10°54 | 26°34 | 27°50 | 14°33 | 1° 3 | 19°39 | 19°58 | 21° 9 | 16°18 | 17°45 | M28 |
| T 29 | 5 5 6 | 15°43'26 | 20°18 | 3°11 | 16°35 | 11°41 | 26°26 | 27°45 | 14°35 | 1° 2 | 19°38 | 19°45 | 21° 6 | 16°25 | 17°45 | T 29 |
| W30 | 5 9 2 | 16♐44'32 | 2♋10 | 4♑37 | 17♐50 | 12♒27 | 26♊18 | 27♊40 | 14♎37 | 1♉ 1 | 19♉37 | 19♌34 | 21♌ 3 | 16♊32 | 17♓46 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 3 | 17n33 | 4s44 | 18s27 | 0s36 | 14s26 | 0n53 | 23s35 | 1s38 | 23n11 | 0s20 | 22n27 | 1s 4 | 4s40 | 0n38 | 10n20 | 1s53 | 4n22 | 13s57 | 13n59 | 14n 2 | 17n41 | 1s 7 | 4n 0 |
| W 2 | 17 20 | 19 3 | 4 18 | 18 58 | 0 43 | 14 51 | 0 51 | 23 28 | 1 37 | 23 11 | 0 20 | 22 27 | 1 4 | 4 41 | 0 38 | 10 19 | 1 53 | 4 22 | 13 57 | 14 3 | 14 3 | 17 42 | 1 8 | 4 0 |
| T 3 | 17 37 | 19 44 | 3 41 | 19 28 | 0 49 | 15 16 | 0 49 | 23 20 | 1 37 | 23 11 | 0 20 | 22 27 | 1 4 | 4 43 | 0 38 | 10 19 | 1 53 | 4 22 | 13 57 | 14 6 | 14 4 | 17 44 | 1 8 | 4 0 |
| F 4 | 17 53 | 19 33 | 2 54 | 19 58 | 0 55 | 15 40 | 0 47 | 23 12 | 1 36 | 23 11 | 0 20 | 22 27 | 1 4 | 4 44 | 0 38 | 10 18 | 1 53 | 4 21 | 13 57 | 14 8 | 14 5 | 17 45 | 1 9 | 3 59 |
| S 5 | 18 10 | 18 29 | 1 59 | 20 26 | 1 1 | 16 4 | 0 45 | 23 3 | 1 35 | 23 11 | 0 20 | 22 27 | 1 4 | 4 45 | 0 38 | 10 18 | 1 53 | 4 21 | 13 57 | 14 9 | 14 6 | 17 46 | 1 9 | 3 59 |
| S 6 | 18 25 | 16 33 | 0 58 | 20 53 | 1 7 | 16 27 | 0 43 | 22 55 | 1 35 | 23 11 | 0 20 | 22 27 | 1 4 | 4 46 | 0 38 | 10 17 | 1 53 | 4 21 | 13 57 | 14 10 | 14 7 | 17 47 | 1 10 | 3 59 |
| M 7 | 18 41 | 13 49 | 0n 7 | 21 19 | 1 13 | 16 50 | 0 41 | 22 46 | 1 34 | 23 11 | 0 19 | 22 27 | 1 4 | 4 48 | 0 38 | 10 17 | 1 53 | 4 21 | 13 57 | 14 10 | 14 8 | 17 48 | 1 10 | 3 59 |
| T 8 | 18 56 | 10 22 | 1 14 | 21 45 | 1 18 | 17 13 | 0 39 | 22 37 | 1 33 | 23 11 | 0 19 | 22 27 | 1 4 | 4 49 | 0 38 | 10 16 | 1 53 | 4 20 | 13 57 | 14 10 | 14 9 | 17 49 | 1 11 | 3 58 |
| W 9 | 19 11 | 6 18 | 2 19 | 22 9 | 1 24 | 17 35 | 0 37 | 22 28 | 1 33 | 23 11 | 0 19 | 22 27 | 1 4 | 4 50 | 0 38 | 10 16 | 1 53 | 4 20 | 13 57 | 14 10 | 14 10 | 17 50 | 1 12 | 3 58 |
| T 10 | 19 25 | 1 47 | 3 18 | 22 32 | 1 29 | 17 56 | 0 35 | 22 18 | 1 32 | 23 11 | 0 19 | 22 27 | 1 4 | 4 51 | 0 38 | 10 15 | 1 53 | 4 20 | 13 57 | 14 12 | 14 11 | 17 51 | 1 12 | 3 58 |
| F 11 | 19 39 | 3s 0 | 4 8 | 22 54 | 1 34 | 18 17 | 0 32 | 22 8 | 1 31 | 23 12 | 0 19 | 22 27 | 1 4 | 4 52 | 0 38 | 10 15 | 1 53 | 4 20 | 13 57 | 14 14 | 14 12 | 17 52 | 1 12 | 3 58 |
| S 12 | 19 53 | 7 46 | 4 43 | 23 14 | 1 39 | 18 38 | 0 30 | 21 58 | 1 30 | 23 12 | 0 19 | 22 27 | 1 4 | 4 53 | 0 38 | 10 14 | 1 53 | 4 20 | 13 57 | 14 17 | 14 13 | 17 53 | 1 13 | 3 57 |
| S 13 | 20 6 | 12 11 | 4 59 | 23 34 | 1 43 | 18 58 | 0 28 | 21 48 | 1 30 | 23 12 | 0 19 | 22 27 | 1 3 | 4 54 | 0 38 | 10 14 | 1 53 | 4 19 | 13 57 | 14 20 | 14 14 | 17 55 | 1 13 | 3 57 |
| M14 | 20 19 | 15 52 | 4 55 | 23 52 | 1 48 | 19 18 | 0 26 | 21 37 | 1 29 | 23 12 | 0 19 | 22 27 | 1 3 | 4 56 | 0 38 | 10 13 | 1 53 | 4 19 | 13 57 | 14 24 | 14 15 | 17 56 | 1 14 | 3 57 |
| T 15 | 20 32 | 18 28 | 4 30 | 24 10 | 1 52 | 19 37 | 0 23 | 21 27 | 1 28 | 23 12 | 0 19 | 22 27 | 1 3 | 4 57 | 0 38 | 10 13 | 1 53 | 4 19 | 13 56 | 14 28 | 14 16 | 17 57 | 1 14 | 3 56 |
| W16 | 20 44 | 19 44 | 3 45 | 24 25 | 1 56 | 19 55 | 0 21 | 21 16 | 1 28 | 23 12 | 0 18 | 22 27 | 1 3 | 4 58 | 0 38 | 10 12 | 1 53 | 4 19 | 13 56 | 14 30 | 14 17 | 17 58 | 1 15 | 3 56 |
| T 17 | 20 56 | 19 36 | 2 46 | 24 40 | 2 0 | 20 13 | 0 19 | 21 5 | 1 27 | 23 12 | 0 18 | 22 27 | 1 3 | 4 59 | 0 38 | 10 12 | 1 53 | 4 19 | 13 56 | 14 32 | 14 18 | 17 59 | 1 15 | 3 56 |
| F 18 | 21 7 | 18 10 | 1 38 | 24 53 | 2 3 | 20 31 | 0 16 | 20 53 | 1 26 | 23 12 | 0 18 | 22 27 | 1 3 | 5 0 | 0 38 | 10 11 | 1 53 | 4 18 | 13 56 | 14 34 | 14 19 | 18 0 | 1 15 | 3 56 |
| S 19 | 21 18 | 15 39 | 0 26 | 25 5 | 2 6 | 20 47 | 0 14 | 20 42 | 1 25 | 23 12 | 0 18 | 22 27 | 1 3 | 5 1 | 0 38 | 10 11 | 1 53 | 4 18 | 13 56 | 14 34 | 14 20 | 18 1 | 1 15 | 3 55 |
| S 20 | 21 29 | 12 21 | 0s46 | 25 16 | 2 9 | 21 3 | 0 12 | 20 30 | 1 25 | 23 12 | 0 18 | 22 27 | 1 3 | 5 2 | 0 38 | 10 11 | 1 53 | 4 18 | 13 56 | 14 34 | 14 21 | 18 2 | 1 16 | 3 55 |
| M21 | 21 39 | 8 31 | 1 53 | 25 25 | 2 11 | 21 19 | 0 9 | 20 18 | 1 24 | 23 12 | 0 18 | 22 27 | 1 3 | 5 3 | 0 38 | 10 10 | 1 52 | 4 18 | 13 56 | 14 34 | 14 22 | 18 3 | 1 16 | 3 55 |
| T 22 | 21 49 | 4 24 | 2 53 | 25 32 | 2 13 | 21 34 | 0 7 | 20 6 | 1 23 | 23 12 | 0 18 | 22 27 | 1 3 | 5 4 | 0 38 | 10 10 | 1 52 | 4 18 | 13 56 | 14 34 | 14 23 | 18 4 | 1 16 | 3 54 |
| W23 | 21 58 | 0 11 | 3 43 | 25 38 | 2 15 | 21 48 | 0 4 | 19 53 | 1 22 | 23 12 | 0 18 | 22 27 | 1 3 | 5 5 | 0 39 | 10 9 | 1 52 | 4 18 | 13 56 | 14 35 | 14 24 | 18 5 | 1 16 | 3 54 |
| T 24 | 22 7 | 3n58 | 4 21 | 25 43 | 2 16 | 22 2 | 0 2 | 19 41 | 1 22 | 23 12 | 0 18 | 22 27 | 1 3 | 5 6 | 0 39 | 10 9 | 1 52 | 4 18 | 13 55 | 14 37 | 14 26 | 18 6 | 1 17 | 3 54 |
| F 25 | 22 15 | 7 54 | 4 47 | 25 46 | 2 17 | 22 15 | 0s 0 | 19 28 | 1 21 | 23 11 | 0 17 | 22 27 | 1 3 | 5 7 | 0 39 | 10 9 | 1 52 | 4 17 | 13 55 | 14 40 | 14 27 | 18 7 | 1 17 | 3 54 |
| S 26 | 22 23 | 11 29 | 5 0 | 25 48 | 2 17 | 22 27 | 0 3 | 19 15 | 1 20 | 23 11 | 0 17 | 22 27 | 1 3 | 5 8 | 0 39 | 10 8 | 1 52 | 4 17 | 13 55 | 14 44 | 14 28 | 18 8 | 1 17 | 3 53 |
| S 27 | 22 31 | 14 35 | 5 0 | 25 48 | 2 17 | 22 39 | 0 5 | 19 2 | 1 19 | 23 11 | 0 17 | 22 27 | 1 3 | 5 9 | 0 39 | 10 8 | 1 52 | 4 17 | 13 55 | 14 48 | 14 29 | 18 9 | 1 17 | 3 53 |
| M28 | 22 38 | 17 4 | 4 47 | 25 47 | 2 16 | 22 50 | 0 8 | 18 48 | 1 18 | 23 11 | 0 17 | 22 27 | 1 3 | 5 9 | 0 39 | 10 8 | 1 52 | 4 17 | 13 55 | 14 52 | 14 30 | 18 10 | 1 17 | 3 53 |
| T 29 | 22 45 | 18 50 | 4 21 | 25 44 | 2 15 | 23 0 | 0 10 | 18 35 | 1 18 | 23 11 | 0 17 | 22 27 | 1 3 | 5 10 | 0 39 | 10 7 | 1 52 | 4 17 | 13 55 | 14 56 | 14 31 | 18 11 | 1 17 | 3 52 |
| W30 | 22s51 | 19n46 | 3s44 | 25s39 | 2s13 | 23s10 | 0s12 | 18s21 | 1s17 | 23n11 | 0s17 | 22n27 | 1s 3 | 5s11 | 0n39 | 10n 7 | 1s52 | 4n17 | 13s55 | 15n 0 | 14n32 | 18n13 | 1s17 | 3n52 |

Julian Day Number = 2226868.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'33, Lahiri = 15°16'34 Julian Calendar 1 Nov. 1384 == Greg. Calendar 9 Nov. 1384


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# ASTRODIENST EPHEMERIS for the year 1384
# geocentric

## DECEMBER 1384 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 12 59 | 17♐45'37 | 14♋ 2 | 6♑ 1 | 19♐ 6 | 13♒13 | 26°R10 | 27°R36 | 14♎40 | 1°R 0 | 19°R36 | 19°R26 | 21♌ 0 | 16♊39 | 17♓46 | T 1 |
| F 2 | 5 16 55 | 18°46'44 | 25°58 | 7°24 | 20°21 | 13°59 | 26♊ 2 | 27♊31 | 14°42 | 0♉59 | 19♉35 | 19♌20 | 20°57 | 16°45 | 17°47 | F 2 |
| S 3 | 5 20 52 | 19°47'51 | 8♌ 0 | 8°44 | 21°37 | 14°45 | 25°54 | 27°26 | 14°44 | 0°58 | 19°34 | 19°17 | 20°53 | 16°52 | 17°48 | S 3 |
| S 4 | 5 24 49 | 20°48'59 | 20°11 | 10° 2 | 22°52 | 15°31 | 25°46 | 27°21 | 14°46 | 0°57 | 19°33 | 19°D17 | 20°50 | 16°59 | 17°49 | S 4 |
| M 5 | 5 28 45 | 21°50'07 | 2♍35 | 11°18 | 24° 8 | 16°17 | 25°38 | 27°16 | 14°48 | 0°56 | 19°32 | 19°17 | 20°47 | 17° 5 | 17°49 | M 5 |
| T 6 | 5 32 42 | 22°51'16 | 15°17 | 12°30 | 25°23 | 17° 3 | 25°30 | 27°11 | 14°50 | 0°55 | 19°31 | 19°18 | 20°44 | 17°12 | 17°50 | T 6 |
| W 7 | 5 36 38 | 23°52'26 | 28°21 | 13°38 | 26°39 | 17°49 | 25°22 | 27° 6 | 14°52 | 0°54 | 19°31 | 19°R18 | 20°41 | 17°19 | 17°51 | W 7 |
| T 8 | 5 40 35 | 24°53'36 | 11♎50 | 14°42 | 27°54 | 18°35 | 25°14 | 27° 1 | 14°54 | 0°54 | 19°30 | 19°17 | 20°38 | 17°26 | 17°52 | T 8 |
| F 9 | 5 44 31 | 25°54'47 | 25°48 | 15°41 | 29°10 | 19°21 | 25° 6 | 26°56 | 14°55 | 0°53 | 19°29 | 19°13 | 20°34 | 17°32 | 17°53 | F 9 |
| S 10 | 5 48 28 | 26°55'59 | 10♏15 | 16°34 | 0♑25 | 20° 7 | 24°57 | 26°51 | 14°57 | 0°52 | 19°28 | 19° 7 | 20°31 | 17°39 | 17°54 | S 10 |
| S 11 | 5 52 24 | 27°57'11 | 25° 6 | 17°20 | 1°41 | 20°53 | 24°49 | 26°46 | 14°59 | 0°51 | 19°27 | 19° 0 | 20°28 | 17°46 | 17°55 | S 11 |
| M12 | 5 56 21 | 28°58'23 | 10♐15 | 17°58 | 2°56 | 21°39 | 24°41 | 26°41 | 15° 1 | 0°50 | 19°26 | 18°52 | 20°25 | 17°52 | 17°57 | M12 |
| T 13 | 6 0 18 | 29°59'36 | 25°33 | 18°28 | 4°12 | 22°25 | 24°33 | 26°36 | 15° 2 | 0°50 | 19°25 | 18°44 | 20°22 | 17°59 | 17°58 | T 13 |
| W14 | 6 4 14 | 1♑ 0'48 | 10♑49 | 18°49 | 5°27 | 23°11 | 24°25 | 26°31 | 15° 4 | 0°49 | 19°25 | 18°38 | 20°19 | 18° 6 | 17°59 | W14 |
| T 15 | 6 8 11 | 2° 2'01 | 25°51 | 18°R59 | 6°43 | 23°57 | 24°17 | 26°26 | 15° 5 | 0°48 | 19°24 | 18°33 | 20°15 | 18°12 | 18° 1 | T 15 |
| F 16 | 6 12 7 | 3° 3'14 | 10♒31 | 18°58 | 7°58 | 24°43 | 24° 9 | 26°21 | 15° 7 | 0°48 | 19°23 | 18°31 | 20°12 | 18°19 | 18° 2 | F 16 |
| S 17 | 6 16 4 | 4° 4'26 | 24°44 | 18°46 | 9°14 | 25°29 | 24° 1 | 26°17 | 15° 8 | 0°47 | 19°22 | 18°D31 | 20° 9 | 18°26 | 18° 3 | S 17 |
| S 18 | 6 20 0 | 5° 5'38 | 8♓29 | 18°22 | 10°29 | 26°15 | 23°53 | 26°12 | 15°10 | 0°47 | 19°21 | 18°32 | 20° 6 | 18°33 | 18° 5 | S 18 |
| M19 | 6 23 57 | 6° 6'50 | 21°47 | 17°46 | 11°45 | 27° 1 | 23°45 | 26° 7 | 15°11 | 0°46 | 19°21 | 18°34 | 20° 3 | 18°39 | 18° 7 | M19 |
| T 20 | 6 27 53 | 7° 8'01 | 4♈40 | 16°59 | 13° 0 | 27°47 | 23°38 | 26° 2 | 15°12 | 0°46 | 19°20 | 18°R35 | 19°59 | 18°46 | 18° 8 | T 20 |
| W21 | 6 31 50 | 8° 9'11 | 17°12 | 16° 1 | 14°15 | 28°33 | 23°30 | 25°57 | 15°13 | 0°45 | 19°19 | 18°34 | 19°56 | 18°53 | 18°10 | W21 |
| T 22 | 6 35 47 | 9°10'21 | 29°28 | 14°55 | 15°31 | 29°19 | 23°22 | 25°52 | 15°14 | 0°45 | 19°19 | 18°32 | 19°53 | 18°59 | 18°12 | T 22 |
| F 23 | 6 39 43 | 10°11'31 | 11♉33 | 13°42 | 16°46 | 0♓ 5 | 23°15 | 25°48 | 15°16 | 0°45 | 19°18 | 18°28 | 19°50 | 19° 6 | 18°13 | F 23 |
| S 24 | 6 43 40 | 11°12'40 | 23°29 | 12°24 | 18° 2 | 0°51 | 23° 8 | 25°43 | 15°17 | 0°44 | 19°17 | 18°22 | 19°47 | 19°13 | 18°15 | S 24 |
| S 25 | 6 47 36 | 12°13'49 | 5♊22 | 11° 4 | 19°17 | 1°37 | 23° 0 | 25°38 | 15°18 | 0°44 | 19°17 | 18°16 | 19°44 | 19°20 | 18°17 | S 25 |
| M26 | 6 51 33 | 13°14'57 | 17°13 | 9°45 | 20°32 | 2°23 | 22°53 | 25°34 | 15°19 | 0°44 | 19°16 | 18° 9 | 19°40 | 19°26 | 18°19 | M26 |
| T 27 | 6 55 29 | 14°16'05 | 29° 4 | 8°29 | 21°48 | 3° 9 | 22°46 | 25°29 | 15°19 | 0°43 | 19°15 | 18° 2 | 19°37 | 19°33 | 18°21 | T 27 |
| W28 | 6 59 26 | 15°17'12 | 10♋59 | 7°18 | 23° 3 | 3°55 | 22°39 | 25°25 | 15°20 | 0°43 | 19°15 | 17°56 | 19°34 | 19°40 | 18°23 | W28 |
| T 29 | 7 3 23 | 16°18'18 | 22°58 | 6°13 | 24°18 | 4°41 | 22°32 | 25°20 | 15°21 | 0°43 | 19°14 | 17°52 | 19°31 | 19°46 | 18°25 | T 29 |
| F 30 | 7 7 19 | 17°19'25 | 5♌ 3 | 5°17 | 25°34 | 5°27 | 22°25 | 25°16 | 15°22 | 0°43 | 19°14 | 17°50 | 19°28 | 19°53 | 18°27 | F 30 |
| S 31 | 7 11 16 | 18♑20'30 | 17♌16 | 4♑29 | 26♑49 | 6♓12 | 22♊19 | 25♊11 | 15♎22 | 0♉43 | 19♉13 | 17°D49 | 19♌25 | 20♊ 0 | 18♓29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s57 | 19n51 | 2s56 | 25s33 | 2s10 | 23s19 | 0s15 | 18s 7 | 1s16 | 23n11 | 0s17 | 22n27 | 1s 2 | 5s12 | 0n39 | 10n 7 | 1s52 | 4n17 | 13s54 | 15n 2 | 14n33 | 18n14 | 1s17 | 3n52 |
| F 2 | 23 2 | 19 2 | 2 1 | 25 25 | 2 7 | 23 27 | 0 17 | 17 53 | 1 15 | 23 11 | 0 16 | 22 27 | 1 2 | 5 13 | 0 39 | 10 6 | 1 52 | 4 17 | 13 54 | 15 4 | 14 34 | 18 15 | 1 17 | 3 52 |
| S 3 | 23 7 | 17 22 | 1 0 | 25 16 | 2 3 | 23 34 | 0 19 | 17 39 | 1 14 | 23 11 | 0 16 | 22 27 | 1 2 | 5 14 | 0 39 | 10 6 | 1 52 | 4 17 | 13 54 | 15 5 | 14 35 | 18 16 | 1 17 | 3 51 |
| S 4 | 23 12 | 14 53 | 0n 5 | 25 6 | 1 58 | 23 41 | 0 22 | 17 25 | 1 14 | 23 11 | 0 16 | 22 27 | 1 2 | 5 14 | 0 39 | 10 6 | 1 52 | 4 17 | 13 54 | 15 5 | 14 36 | 18 17 | 1 17 | 3 51 |
| M 5 | 23 16 | 11 41 | 1 11 | 24 54 | 1 52 | 23 47 | 0 24 | 17 10 | 1 13 | 23 11 | 0 16 | 22 27 | 1 2 | 5 15 | 0 39 | 10 5 | 1 52 | 4 16 | 13 54 | 15 5 | 14 37 | 18 18 | 1 17 | 3 51 |
| T 6 | 23 19 | 7 53 | 2 15 | 24 41 | 1 45 | 23 52 | 0 26 | 16 55 | 1 12 | 23 10 | 0 16 | 22 27 | 1 2 | 5 16 | 0 39 | 10 5 | 1 52 | 4 16 | 13 53 | 15 5 | 14 38 | 18 19 | 1 17 | 3 51 |
| W 7 | 23 22 | 3 37 | 3 14 | 24 26 | 1 38 | 23 57 | 0 29 | 16 40 | 1 11 | 23 10 | 0 16 | 22 27 | 1 2 | 5 17 | 0 39 | 10 5 | 1 52 | 4 16 | 13 53 | 15 5 | 14 39 | 18 20 | 1 17 | 3 50 |
| T 8 | 23 25 | 0s57 | 4 4 | 24 11 | 1 29 | 24 1 | 0 31 | 16 25 | 1 10 | 23 10 | 0 16 | 22 27 | 1 2 | 5 17 | 0 39 | 10 5 | 1 52 | 4 16 | 13 53 | 15 5 | 14 40 | 18 21 | 1 17 | 3 50 |
| F 9 | 23 27 | 5 38 | 4 42 | 23 54 | 1 19 | 24 4 | 0 33 | 16 10 | 1 10 | 23 10 | 0 16 | 22 27 | 1 2 | 5 18 | 0 39 | 10 4 | 1 52 | 4 16 | 13 53 | 15 6 | 14 41 | 18 22 | 1 17 | 3 50 |
| S 10 | 23 29 | 10 8 | 5 3 | 23 37 | 1 8 | 24 6 | 0 35 | 15 55 | 1 9 | 23 10 | 0 15 | 22 27 | 1 2 | 5 19 | 0 39 | 10 4 | 1 52 | 4 16 | 13 53 | 15 8 | 14 42 | 18 23 | 1 17 | 3 49 |
| S 11 | 23 30 | 14 10 | 5 5 | 23 19 | 0 56 | 24 8 | 0 37 | 15 39 | 1 8 | 23 10 | 0 15 | 22 27 | 1 1 | 5 19 | 0 39 | 10 4 | 1 52 | 4 16 | 13 52 | 15 11 | 14 43 | 18 24 | 1 16 | 3 49 |
| M12 | 23 31 | 17 21 | 4 46 | 23 1 | 0 43 | 24 9 | 0 40 | 15 23 | 1 7 | 23 10 | 0 15 | 22 27 | 1 1 | 5 20 | 0 39 | 10 4 | 1 51 | 4 16 | 13 52 | 15 13 | 14 44 | 18 25 | 1 16 | 3 49 |
| T 13 | 23 31 | 19 20 | 4 6 | 22 42 | 0 28 | 24 9 | 0 42 | 15 8 | 1 6 | 23 9 | 0 15 | 22 27 | 1 1 | 5 21 | 0 39 | 10 4 | 1 51 | 4 16 | 13 52 | 15 16 | 14 45 | 18 26 | 1 16 | 3 49 |
| W14 | 23 31 | 19 56 | 3 9 | 22 24 | 0 13 | 24 8 | 0 44 | 14 52 | 1 5 | 23 9 | 0 15 | 22 27 | 1 1 | 5 21 | 0 39 | 10 3 | 1 51 | 4 16 | 13 52 | 15 17 | 14 46 | 18 27 | 1 16 | 3 48 |
| T 15 | 23 30 | 19 5 | 1 59 | 22 6 | 0n 4 | 24 7 | 0 46 | 14 36 | 1 5 | 23 9 | 0 15 | 22 27 | 1 1 | 5 22 | 0 39 | 10 3 | 1 51 | 4 16 | 13 52 | 15 19 | 14 47 | 18 28 | 1 15 | 3 48 |
| F 16 | 23 29 | 16 58 | 0 43 | 21 48 | 0 22 | 24 4 | 0 48 | 14 19 | 1 4 | 23 9 | 0 14 | 22 27 | 1 1 | 5 22 | 0 39 | 10 3 | 1 51 | 4 16 | 13 51 | 15 19 | 14 48 | 18 29 | 1 15 | 3 48 |
| S 17 | 23 27 | 13 51 | 0s34 | 21 32 | 0 41 | 24 2 | 0 50 | 14 3 | 1 3 | 23 9 | 0 14 | 22 27 | 1 1 | 5 23 | 0 39 | 10 3 | 1 51 | 4 16 | 13 51 | 15 20 | 14 49 | 18 30 | 1 15 | 3 48 |
| S 18 | 23 25 | 10 3 | 1 46 | 21 16 | 1 0 | 23 58 | 0 52 | 13 47 | 1 2 | 23 8 | 0 14 | 22 27 | 1 1 | 5 23 | 0 39 | 10 3 | 1 51 | 4 16 | 13 51 | 15 19 | 14 50 | 18 31 | 1 14 | 3 47 |
| M19 | 23 23 | 5 53 | 2 50 | 21 2 | 1 19 | 23 53 | 0 54 | 13 30 | 1 1 | 23 8 | 0 14 | 22 27 | 1 1 | 5 24 | 0 39 | 10 3 | 1 51 | 4 16 | 13 51 | 15 19 | 14 51 | 18 32 | 1 14 | 3 47 |
| T 20 | 23 19 | 1 34 | 3 44 | 20 48 | 1 38 | 23 48 | 0 56 | 13 13 | 1 0 | 23 8 | 0 14 | 22 27 | 1 0 | 5 24 | 0 39 | 10 3 | 1 51 | 4 17 | 13 50 | 15 18 | 14 52 | 18 33 | 1 14 | 3 47 |
| W21 | 23 16 | 2n41 | 4 25 | 20 37 | 1 57 | 23 42 | 0 58 | 12 57 | 1 0 | 23 8 | 0 14 | 22 27 | 1 0 | 5 25 | 0 39 | 10 2 | 1 51 | 4 17 | 13 50 | 15 19 | 14 53 | 18 34 | 1 13 | 3 47 |
| T 22 | 23 12 | 6 45 | 4 53 | 20 26 | 2 15 | 23 36 | 0 59 | 12 40 | 0 59 | 23 8 | 0 14 | 22 27 | 1 0 | 5 25 | 0 39 | 10 2 | 1 51 | 4 17 | 13 50 | 15 19 | 14 54 | 18 35 | 1 13 | 3 46 |
| F 23 | 23 7 | 10 27 | 5 8 | 20 18 | 2 32 | 23 28 | 1 1 | 12 23 | 0 58 | 23 7 | 0 13 | 22 27 | 1 0 | 5 25 | 0 39 | 10 2 | 1 51 | 4 17 | 13 50 | 15 21 | 14 55 | 18 35 | 1 12 | 3 46 |
| S 24 | 23 3 | 13 43 | 5 9 | 20 10 | 2 46 | 23 20 | 1 3 | 12 6 | 0 57 | 23 7 | 0 13 | 22 27 | 1 0 | 5 26 | 0 39 | 10 2 | 1 51 | 4 17 | 13 49 | 15 22 | 14 56 | 18 36 | 1 12 | 3 46 |
| S 25 | 22 57 | 16 24 | 4 57 | 20 5 | 2 59 | 23 12 | 1 5 | 11 48 | 0 56 | 23 7 | 0 13 | 22 27 | 1 0 | 5 26 | 0 39 | 10 2 | 1 51 | 4 17 | 13 49 | 15 24 | 14 57 | 18 37 | 1 11 | 3 45 |
| M26 | 22 51 | 18 23 | 4 32 | 20 1 | 3 9 | 23 2 | 1 6 | 11 31 | 0 55 | 23 7 | 0 13 | 22 27 | 1 0 | 5 26 | 0 39 | 10 2 | 1 51 | 4 17 | 13 49 | 15 26 | 14 58 | 18 38 | 1 11 | 3 45 |
| T 27 | 22 45 | 19 36 | 3 55 | 19 58 | 3 17 | 22 52 | 1 8 | 11 14 | 0 55 | 23 6 | 0 13 | 22 27 | 0 59 | 5 27 | 0 39 | 10 2 | 1 51 | 4 17 | 13 49 | 15 29 | 14 59 | 18 39 | 1 10 | 3 45 |
| W28 | 22 38 | 19 57 | 3 8 | 19 57 | 3 22 | 22 41 | 1 9 | 10 56 | 0 54 | 23 6 | 0 13 | 22 27 | 0 59 | 5 27 | 0 40 | 10 2 | 1 51 | 4 17 | 13 48 | 15 30 | 15 0 | 18 40 | 1 10 | 3 45 |
| T 29 | 22 31 | 19 23 | 2 12 | 19 57 | 3 25 | 22 29 | 1 11 | 10 39 | 0 53 | 23 6 | 0 12 | 22 27 | 0 59 | 5 27 | 0 40 | 10 2 | 1 50 | 4 17 | 13 48 | 15 32 | 15 1 | 18 41 | 1 9 | 3 44 |
| F 30 | 22 23 | 17 57 | 1 9 | 19 59 | 3 26 | 22 17 | 1 12 | 10 21 | 0 52 | 23 6 | 0 12 | 22 27 | 0 59 | 5 28 | 0 40 | 10 2 | 1 50 | 4 17 | 13 48 | 15 32 | 15 2 | 18 42 | 1 9 | 3 44 |
| S 31 | 22s15 | 15n40 | 0s 3 | 20s 3 | 3n24 | 22s 4 | 1s14 | 10s 3 | 0s51 | 23n 6 | 0s12 | 22n27 | 0s59 | 5s28 | 0n40 | 10n 2 | 1s50 | 4n18 | 13s47 | 15n33 | 15n 3 | 18n43 | 1s 8 | 3n44 |

Julian Day Number = 2226898.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'01, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'37, Lahiri = 15°16'38 Julian Calendar 1 Dec. 1384 == Greg. Calendar 9 Dec. 1384


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## JANUARY 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 15 12 | 19♑21'35 | 29♌38 | 3°R51 | 28♑ 4 | 6♓58 | 22°R12 | 25°R 7 | 15♎23 | 0°R43 | 19°R13 | 17♌49 | 19♌21 | 20♊ 6 | 18♓31 | S 1 |
| M 2 | 7 19 9 | 20°22'40 | 12♍12 | 3♑23 | 29°20 | 7°44 | 22♊ 6 | 25♊ 3 | 15°23 | 0°D43 | 19♉12 | 17°51 | 19°18 | 20°13 | 18°34 | M 2 |
| T 3 | 7 23 5 | 21°23'44 | 25° 1 | 3° 3 | 0♒35 | 8°30 | 21°59 | 24°59 | 15°24 | 0♉43 | 19°12 | 17°53 | 19°15 | 20°20 | 18°36 | T 3 |
| W 4 | 7 27 2 | 22°24'48 | 8♎ 8 | 2°53 | 1°50 | 9°16 | 21°53 | 24°54 | 15°24 | 0°43 | 19°11 | 17°54 | 19°12 | 20°27 | 18°38 | W 4 |
| T 5 | 7 30 58 | 23°25'51 | 21°34 | 2°D51 | 3° 6 | 10° 1 | 21°47 | 24°50 | 15°25 | 0°43 | 19°11 | 17°R55 | 19° 9 | 20°33 | 18°41 | T 5 |
| F 6 | 7 34 55 | 24°26'54 | 5♏22 | 2°57 | 4°21 | 10°47 | 21°42 | 24°46 | 15°25 | 0°43 | 19°11 | 17°54 | 19° 5 | 20°40 | 18°43 | F 6 |
| S 7 | 7 38 51 | 25°27'56 | 19°32 | 3°11 | 5°36 | 11°33 | 21°36 | 24°42 | 15°25 | 0°43 | 19°10 | 17°53 | 19° 2 | 20°47 | 18°46 | S 7 |
| S 8 | 7 42 48 | 26°28'58 | 4♐ 3 | 3°31 | 6°51 | 12°18 | 21°31 | 24°39 | 15°25 | 0°43 | 19°10 | 17°51 | 18°59 | 20°53 | 18°48 | S 8 |
| M 9 | 7 46 45 | 27°29'59 | 18°50 | 3°58 | 8° 7 | 13° 4 | 21°25 | 24°35 | 15°26 | 0°44 | 19° 9 | 17°48 | 18°56 | 21° 0 | 18°51 | M 9 |
| T 10 | 7 50 41 | 28°30'59 | 3♑48 | 4°30 | 9°22 | 13°49 | 21°20 | 24°31 | 15°26 | 0°44 | 19° 9 | 17°45 | 18°53 | 21° 7 | 18°53 | T 10 |
| W11 | 7 54 38 | 29°31'59 | 18°48 | 5° 7 | 10°37 | 14°35 | 21°15 | 24°28 | 15°R26 | 0°44 | 19° 9 | 17°43 | 18°50 | 21°14 | 18°56 | W11 |
| T 12 | 7 58 34 | 0♒32'58 | 3♒41 | 5°50 | 11°52 | 15°20 | 21°10 | 24°24 | 15°26 | 0°44 | 19° 9 | 17°41 | 18°46 | 21°20 | 18°59 | T 12 |
| F 13 | 8 2 31 | 1°33'56 | 18°19 | 6°36 | 13° 8 | 16° 6 | 21° 6 | 24°21 | 15°26 | 0°45 | 19° 8 | 17°D41 | 18°43 | 21°27 | 19° 1 | F 13 |
| S 14 | 8 6 27 | 2°34'52 | 2♓37 | 7°26 | 14°23 | 16°51 | 21° 1 | 24°17 | 15°25 | 0°45 | 19° 8 | 17°41 | 18°40 | 21°34 | 19° 4 | S 14 |
| S 15 | 8 10 24 | 3°35'47 | 16°29 | 8°20 | 15°38 | 17°37 | 20°57 | 24°14 | 15°25 | 0°46 | 19° 8 | 17°42 | 18°37 | 21°40 | 19° 7 | S 15 |
| M16 | 8 14 21 | 4°36'41 | 29°55 | 9°17 | 16°53 | 18°22 | 20°53 | 24°11 | 15°25 | 0°46 | 19° 8 | 17°44 | 18°34 | 21°47 | 19°10 | M16 |
| T 17 | 8 18 17 | 5°37'33 | 12♈56 | 10°17 | 18° 8 | 19° 8 | 20°49 | 24° 8 | 15°25 | 0°47 | 19° 8 | 17°45 | 18°31 | 21°54 | 19°12 | T 17 |
| W18 | 8 22 14 | 6°38'24 | 25°35 | 11°19 | 19°23 | 19°53 | 20°45 | 24° 5 | 15°24 | 0°47 | 19° 7 | 17°46 | 18°27 | 22° 0 | 19°15 | W18 |
| T 19 | 8 26 10 | 7°39'14 | 7♉55 | 12°24 | 20°38 | 20°38 | 20°42 | 24° 2 | 15°24 | 0°48 | 19° 7 | 17°R46 | 18°24 | 22° 7 | 19°18 | T 19 |
| F 20 | 8 30 7 | 8°40'02 | 20° 1 | 13°32 | 21°53 | 21°24 | 20°38 | 23°59 | 15°23 | 0°48 | 19° 7 | 17°46 | 18°21 | 22°14 | 19°21 | F 20 |
| S 21 | 8 34 3 | 9°40'48 | 1♊57 | 14°41 | 23° 8 | 22° 9 | 20°35 | 23°56 | 15°23 | 0°49 | 19° 7 | 17°45 | 18°18 | 22°21 | 19°24 | S 21 |
| S 22 | 8 38 0 | 10°41'33 | 13°48 | 15°52 | 24°23 | 22°54 | 20°32 | 23°54 | 15°22 | 0°50 | 19° 7 | 17°44 | 18°15 | 22°27 | 19°27 | S 22 |
| M23 | 8 41 56 | 11°42'17 | 25°39 | 17° 5 | 25°38 | 23°39 | 20°29 | 23°51 | 15°22 | 0°50 | 19° 7 | 17°43 | 18°11 | 22°34 | 19°30 | M23 |
| T 24 | 8 45 53 | 12°42'59 | 7♋32 | 18°20 | 26°53 | 24°24 | 20°27 | 23°49 | 15°21 | 0°51 | 19°D 7 | 17°42 | 18° 8 | 22°41 | 19°33 | T 24 |
| W25 | 8 49 50 | 13°43'39 | 19°31 | 19°37 | 28° 8 | 25°10 | 20°24 | 23°46 | 15°20 | 0°52 | 19° 7 | 17°42 | 18° 5 | 22°47 | 19°36 | W25 |
| T 26 | 8 53 46 | 14°44'18 | 1♌38 | 20°54 | 29°23 | 25°55 | 20°22 | 23°44 | 15°19 | 0°53 | 19° 7 | 17°41 | 18° 2 | 22°54 | 19°39 | T 26 |
| F 27 | 8 57 43 | 15°44'55 | 13°55 | 22°14 | 0♓38 | 26°40 | 20°20 | 23°42 | 15°19 | 0°53 | 19° 7 | 17°D41 | 17°59 | 23° 1 | 19°43 | F 27 |
| S 28 | 9 1 39 | 16°45'31 | 26°24 | 23°34 | 1°53 | 27°25 | 20°18 | 23°40 | 15°18 | 0°54 | 19° 7 | 17°41 | 17°56 | 23° 7 | 19°46 | S 28 |
| S 29 | 9 5 36 | 17°46'05 | 9♍ 5 | 24°56 | 3° 8 | 28°10 | 20°17 | 23°38 | 15°17 | 0°55 | 19° 7 | 17°R41 | 17°52 | 23°14 | 19°49 | S 29 |
| M30 | 9 9 32 | 18°46'38 | 21°59 | 26°19 | 4°23 | 28°55 | 20°15 | 23°36 | 15°16 | 0°56 | 19° 7 | 17°41 | 17°49 | 23°21 | 19°52 | M30 |
| T 31 | 9 13 29 | 19♒47'09 | 5♎ 7 | 27♑44 | 5♓38 | 29♓39 | 20♊14 | 23♊35 | 15♎15 | 0♉57 | 19♉ 7 | 17♌41 | 17♌46 | 23♊27 | 19♓56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s 7 | 12n39 | 1n 4 | 20s 7 | 3n21 | 21s50 | 1s15 | 9s46 | 0s50 | 23n 5 | 0s12 | 22n27 | 0s59 | 5s28 | 0n40 | 10n 2 | 1s50 | 4n18 | 13s47 | 15n32 | 15n 4 | 18n44 | 1s 7 | 3n44 | S 1 |
| M 2 | 21 58 | 9 0 | 2 10 | 20 13 | 3 16 | 21 36 | 1 16 | 9 28 | 0 50 | 23 5 | 0 12 | 22 27 | 0 59 | 5 28 | 0 40 | 10 2 | 1 50 | 4 18 | 13 47 | 15 32 | 15 5 | 18 45 | 1 7 | 3 44 | M 2 |
| T 3 | 21 49 | 4 54 | 3 10 | 20 20 | 3 9 | 21 21 | 1 18 | 9 10 | 0 49 | 23 5 | 0 12 | 22 27 | 0 58 | 5 28 | 0 40 | 10 2 | 1 50 | 4 18 | 13 47 | 15 31 | 15 6 | 18 46 | 1 6 | 3 43 | T 3 |
| W 4 | 21 39 | 0 29 | 4 2 | 20 27 | 3 2 | 21 6 | 1 19 | 8 52 | 0 48 | 23 5 | 0 11 | 22 27 | 0 58 | 5 28 | 0 40 | 10 2 | 1 50 | 4 18 | 13 46 | 15 31 | 15 7 | 18 47 | 1 5 | 3 43 | W 4 |
| T 5 | 21 29 | 4s 4 | 4 42 | 20 36 | 2 54 | 20 50 | 1 20 | 8 34 | 0 47 | 23 4 | 0 11 | 22 27 | 0 58 | 5 29 | 0 40 | 10 2 | 1 50 | 4 18 | 13 46 | 15 31 | 15 8 | 18 48 | 1 5 | 3 43 | T 5 |
| F 6 | 21 18 | 8 31 | 5 7 | 20 44 | 2 45 | 20 33 | 1 21 | 8 16 | 0 46 | 23 4 | 0 11 | 22 27 | 0 58 | 5 29 | 0 40 | 10 3 | 1 50 | 4 19 | 13 46 | 15 31 | 15 9 | 18 49 | 1 4 | 3 43 | F 6 |
| S 7 | 21 7 | 12 37 | 5 15 | 20 54 | 2 35 | 20 15 | 1 22 | 7 57 | 0 45 | 23 4 | 0 11 | 22 27 | 0 58 | 5 29 | 0 40 | 10 3 | 1 50 | 4 19 | 13 45 | 15 31 | 15 10 | 18 50 | 1 3 | 3 42 | S 7 |
| S 8 | 20 56 | 16 4 | 5 3 | 21 3 | 2 25 | 19 57 | 1 23 | 7 39 | 0 45 | 23 4 | 0 11 | 22 27 | 0 58 | 5 29 | 0 40 | 10 3 | 1 50 | 4 19 | 13 45 | 15 32 | 15 11 | 18 50 | 1 2 | 3 42 | S 8 |
| M 9 | 20 44 | 18 34 | 4 30 | 21 12 | 2 15 | 19 39 | 1 24 | 7 21 | 0 44 | 23 4 | 0 11 | 22 27 | 0 57 | 5 29 | 0 40 | 10 3 | 1 50 | 4 19 | 13 45 | 15 33 | 15 12 | 18 51 | 1 1 | 3 42 | M 9 |
| T 10 | 20 31 | 19 49 | 3 39 | 21 22 | 2 5 | 19 20 | 1 25 | 7 3 | 0 43 | 23 4 | 0 10 | 22 27 | 0 57 | 5 29 | 0 40 | 10 3 | 1 50 | 4 19 | 13 45 | 15 34 | 15 13 | 18 52 | 1 1 | 3 42 | T 10 |
| W11 | 20 19 | 19 40 | 2 33 | 21 31 | 1 54 | 19 0 | 1 25 | 6 44 | 0 42 | 23 3 | 0 10 | 22 27 | 0 57 | 5 29 | 0 40 | 10 3 | 1 50 | 4 20 | 13 44 | 15 34 | 15 14 | 18 53 | 1 0 | 3 42 | W11 |
| T 12 | 20 6 | 18 9 | 1 17 | 21 40 | 1 44 | 18 40 | 1 26 | 6 26 | 0 41 | 23 3 | 0 10 | 22 27 | 0 57 | 5 29 | 0 40 | 10 3 | 1 50 | 4 20 | 13 44 | 15 35 | 15 15 | 18 54 | 0 59 | 3 41 | T 12 |
| F 13 | 19 53 | 15 27 | 0s 4 | 21 48 | 1 33 | 18 19 | 1 27 | 6 7 | 0 40 | 23 3 | 0 10 | 22 27 | 0 57 | 5 29 | 0 40 | 10 4 | 1 50 | 4 20 | 13 44 | 15 35 | 15 16 | 18 55 | 0 58 | 3 41 | F 13 |
| S 14 | 19 39 | 11 51 | 1 22 | 21 56 | 1 23 | 17 58 | 1 27 | 5 49 | 0 40 | 23 3 | 0 10 | 22 27 | 0 57 | 5 29 | 0 40 | 10 4 | 1 49 | 4 20 | 13 43 | 15 35 | 15 17 | 18 56 | 0 57 | 3 41 | S 14 |
| S 15 | 19 25 | 7 42 | 2 33 | 22 3 | 1 12 | 17 36 | 1 28 | 5 30 | 0 39 | 23 3 | 0 10 | 22 27 | 0 56 | 5 28 | 0 40 | 10 4 | 1 49 | 4 21 | 13 43 | 15 35 | 15 18 | 18 57 | 0 56 | 3 41 | S 15 |
| M16 | 19 10 | 3 17 | 3 33 | 22 10 | 1 2 | 17 14 | 1 28 | 5 12 | 0 38 | 23 3 | 0 9 | 22 27 | 0 56 | 5 28 | 0 40 | 10 4 | 1 49 | 4 21 | 13 43 | 15 34 | 15 19 | 18 58 | 0 55 | 3 40 | M16 |
| T 17 | 18 56 | 1n 8 | 4 20 | 22 15 | 0 52 | 16 51 | 1 29 | 4 53 | 0 37 | 23 3 | 0 9 | 22 27 | 0 56 | 5 28 | 0 40 | 10 4 | 1 49 | 4 21 | 13 42 | 15 34 | 15 20 | 18 59 | 0 55 | 3 40 | T 17 |
| W18 | 18 40 | 5 22 | 4 54 | 22 20 | 0 42 | 16 28 | 1 29 | 4 34 | 0 36 | 23 2 | 0 9 | 22 27 | 0 56 | 5 28 | 0 40 | 10 5 | 1 49 | 4 21 | 13 42 | 15 34 | 15 21 | 18 59 | 0 54 | 3 40 | W18 |
| T 19 | 18 25 | 9 16 | 5 12 | 22 24 | 0 32 | 16 4 | 1 29 | 4 16 | 0 35 | 23 2 | 0 9 | 22 27 | 0 56 | 5 28 | 0 40 | 10 5 | 1 49 | 4 22 | 13 42 | 15 34 | 15 22 | 19 0 | 0 53 | 3 40 | T 19 |
| F 20 | 18 9 | 12 43 | 5 17 | 22 27 | 0 23 | 15 40 | 1 30 | 3 57 | 0 35 | 23 2 | 0 9 | 22 27 | 0 56 | 5 28 | 0 40 | 10 5 | 1 49 | 4 22 | 13 41 | 15 34 | 15 23 | 19 1 | 0 52 | 3 40 | F 20 |
| S 21 | 17 53 | 15 36 | 5 7 | 22 29 | 0 13 | 15 16 | 1 30 | 3 38 | 0 34 | 23 2 | 0 9 | 22 27 | 0 55 | 5 27 | 0 40 | 10 6 | 1 49 | 4 22 | 13 41 | 15 34 | 15 24 | 19 2 | 0 51 | 3 40 | S 21 |
| S 22 | 17 37 | 17 49 | 4 45 | 22 30 | 0 4 | 14 51 | 1 30 | 3 20 | 0 33 | 23 2 | 0 9 | 22 27 | 0 55 | 5 27 | 0 40 | 10 6 | 1 49 | 4 22 | 13 41 | 15 34 | 15 25 | 19 3 | 0 50 | 3 39 | S 22 |
| M23 | 17 20 | 19 16 | 4 10 | 22 30 | 0s 5 | 14 25 | 1 30 | 3 1 | 0 32 | 23 2 | 0 8 | 22 27 | 0 55 | 5 27 | 0 40 | 10 6 | 1 49 | 4 23 | 13 41 | 15 34 | 15 26 | 19 4 | 0 49 | 3 39 | M23 |
| T 24 | 17 3 | 19 54 | 3 25 | 22 29 | 0 13 | 14 0 | 1 30 | 2 42 | 0 31 | 23 2 | 0 8 | 22 28 | 0 55 | 5 27 | 0 40 | 10 6 | 1 49 | 4 23 | 13 40 | 15 35 | 15 27 | 19 5 | 0 48 | 3 39 | T 24 |
| W25 | 16 46 | 19 37 | 2 30 | 22 26 | 0 22 | 13 33 | 1 29 | 2 24 | 0 30 | 23 2 | 0 8 | 22 28 | 0 55 | 5 26 | 0 40 | 10 7 | 1 49 | 4 23 | 13 40 | 15 35 | 15 28 | 19 6 | 0 47 | 3 39 | W25 |
| T 26 | 16 28 | 18 26 | 1 28 | 22 23 | 0 30 | 13 7 | 1 29 | 2 5 | 0 30 | 23 2 | 0 8 | 22 28 | 0 54 | 5 26 | 0 40 | 10 7 | 1 49 | 4 24 | 13 40 | 15 35 | 15 29 | 19 6 | 0 45 | 3 39 | T 26 |
| F 27 | 16 10 | 16 22 | 0 21 | 22 18 | 0 38 | 12 40 | 1 29 | 1 46 | 0 29 | 23 2 | 0 8 | 22 28 | 0 54 | 5 26 | 0 40 | 10 7 | 1 49 | 4 24 | 13 39 | 15 35 | 15 30 | 19 7 | 0 44 | 3 38 | F 27 |
| S 28 | 15 52 | 13 31 | 0n48 | 22 12 | 0 45 | 12 13 | 1 29 | 1 28 | 0 28 | 23 2 | 0 8 | 22 28 | 0 54 | 5 25 | 0 40 | 10 8 | 1 49 | 4 24 | 13 39 | 15 35 | 15 31 | 19 8 | 0 43 | 3 38 | S 28 |
| S 29 | 15 33 | 9 59 | 1 56 | 22 5 | 0 53 | 11 46 | 1 28 | 1 9 | 0 27 | 23 2 | 0 7 | 22 28 | 0 54 | 5 25 | 0 40 | 10 8 | 1 49 | 4 25 | 13 39 | 15 35 | 15 31 | 19 9 | 0 42 | 3 38 | S 29 |
| M30 | 15 15 | 5 56 | 2 59 | 21 56 | 1 0 | 11 18 | 1 28 | 0 50 | 0 26 | 23 2 | 0 7 | 22 28 | 0 54 | 5 24 | 0 41 | 10 9 | 1 48 | 4 25 | 13 38 | 15 35 | 15 32 | 19 10 | 0 41 | 3 38 | M30 |
| T 31 | 14s56 | 1n32 | 3n54 | 21s46 | 1s 6 | 10s50 | 1s27 | 0s32 | 0s26 | 23n 2 | 0s 7 | 22n28 | 0s54 | 5s24 | 0n41 | 10n 9 | 1s48 | 4n25 | 13s38 | 15n35 | 15n33 | 19n11 | 0s40 | 3n38 | T 31 |

Julian Day Number = 2226929.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'42, Lahiri = 15°16'42 Julian Calendar 1 Jan. 1385 == Greg. Calendar 9 Jan. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## FEBRUARY 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 17 25 | 20♒47'39 | 18♎28 | 29♑ 9 | 6♓52 | 0♈24 | 20°R13 | 23°R33 | 15°R14 | 0♉58 | 19♉ 8 | 17°R41 | 17♌43 | 23♊34 | 19♓59 | W 1 |
| T 2 | 9 21 22 | 21°48'07 | 2♏ 3 | 0♒36 | 8° 7 | 1° 9 | 20♊12 | 23♊32 | 15♎12 | 0°59 | 19° 8 | 17♌40 | 17°40 | 23°41 | 20° 2 | T 2 |
| F 3 | 9 25 18 | 22°48'35 | 15°53 | 2° 3 | 9°22 | 1°54 | 20°12 | 23°30 | 15°11 | 1° 0 | 19° 8 | 17°40 | 17°37 | 23°48 | 20° 5 | F 3 |
| S 4 | 9 29 15 | 23°49'01 | 29°55 | 3°32 | 10°37 | 2°39 | 20°11 | 23°29 | 15°10 | 1° 1 | 19° 8 | 17°D40 | 17°33 | 23°54 | 20° 9 | S 4 |
| S 5 | 9 33 12 | 24°49'26 | 14♐ 9 | 5° 2 | 11°51 | 3°23 | 20°D11 | 23°28 | 15° 9 | 1° 2 | 19° 8 | 17°41 | 17°30 | 24° 1 | 20°12 | S 5 |
| M 6 | 9 37 8 | 25°49'49 | 28°33 | 6°32 | 13° 6 | 4° 8 | 20°11 | 23°27 | 15° 7 | 1° 3 | 19° 9 | 17°41 | 17°27 | 24° 8 | 20°16 | M 6 |
| T 7 | 9 41 5 | 26°50'11 | 13♑ 3 | 8° 4 | 14°21 | 4°53 | 20°11 | 23°26 | 15° 6 | 1° 5 | 19° 9 | 17°42 | 17°24 | 24°14 | 20°19 | T 7 |
| W 8 | 9 45 1 | 27°50'31 | 27°35 | 9°37 | 15°35 | 5°37 | 20°12 | 23°25 | 15° 5 | 1° 6 | 19° 9 | 17°43 | 17°21 | 24°21 | 20°22 | W 8 |
| T 9 | 9 48 58 | 28°50'50 | 12♒ 4 | 11°11 | 16°50 | 6°22 | 20°12 | 23°25 | 15° 3 | 1° 7 | 19°10 | 17°R43 | 17°17 | 24°28 | 20°26 | T 9 |
| F 10 | 9 52 54 | 29°51'07 | 26°23 | 12°46 | 18° 5 | 7° 6 | 20°13 | 23°24 | 15° 2 | 1° 8 | 19°10 | 17°43 | 17°14 | 24°34 | 20°29 | F 10 |
| S 11 | 9 56 51 | 0♓51'22 | 10♓29 | 14°22 | 19°19 | 7°51 | 20°14 | 23°23 | 15° 0 | 1°10 | 19°10 | 17°42 | 17°11 | 24°41 | 20°33 | S 11 |
| S 12 | 10 0 47 | 1°51'36 | 24°15 | 15°59 | 20°34 | 8°35 | 20°15 | 23°23 | 14°58 | 1°11 | 19°11 | 17°41 | 17° 8 | 24°48 | 20°36 | S 12 |
| M13 | 10 4 44 | 2°51'47 | 7♈41 | 17°37 | 21°48 | 9°19 | 20°17 | 23°23 | 14°57 | 1°12 | 19°11 | 17°39 | 17° 5 | 24°55 | 20°40 | M13 |
| T 14 | 10 8 41 | 3°51'57 | 20°45 | 19°16 | 23° 3 | 10° 4 | 20°18 | 23°23 | 14°55 | 1°14 | 19°12 | 17°36 | 17° 2 | 25° 1 | 20°43 | T 14 |
| W15 | 10 12 37 | 4°52'04 | 3♉27 | 20°56 | 24°17 | 10°48 | 20°20 | 23°D23 | 14°53 | 1°15 | 19°12 | 17°34 | 16°58 | 25° 8 | 20°47 | W15 |
| T 16 | 10 16 34 | 5°52'09 | 15°51 | 22°37 | 25°31 | 11°32 | 20°22 | 23°23 | 14°52 | 1°16 | 19°13 | 17°32 | 16°55 | 25°15 | 20°51 | T 16 |
| F 17 | 10 20 30 | 6°52'12 | 28° 0 | 24°20 | 26°46 | 12°16 | 20°24 | 23°23 | 14°50 | 1°18 | 19°13 | 17°31 | 16°52 | 25°21 | 20°54 | F 17 |
| S 18 | 10 24 27 | 7°52'13 | 9♊58 | 26° 3 | 28° 0 | 13° 1 | 20°27 | 23°23 | 14°48 | 1°19 | 19°14 | 17°D31 | 16°49 | 25°28 | 20°58 | S 18 |
| S 19 | 10 28 23 | 8°52'12 | 21°50 | 27°47 | 29°14 | 13°45 | 20°29 | 23°24 | 14°46 | 1°21 | 19°14 | 17°31 | 16°46 | 25°35 | 21° 1 | S 19 |
| M20 | 10 32 20 | 9°52'08 | 3♋41 | 29°33 | 0♈29 | 14°29 | 20°32 | 23°24 | 14°44 | 1°22 | 19°15 | 17°33 | 16°42 | 25°41 | 21° 5 | M20 |
| T 21 | 10 36 16 | 10°52'03 | 15°35 | 1♓20 | 1°43 | 15°13 | 20°35 | 23°25 | 14°42 | 1°24 | 19°15 | 17°35 | 16°39 | 25°48 | 21° 9 | T 21 |
| W22 | 10 40 13 | 11°51'55 | 27°37 | 3° 8 | 2°57 | 15°57 | 20°38 | 23°26 | 14°40 | 1°26 | 19°16 | 17°36 | 16°36 | 25°55 | 21°12 | W22 |
| T 23 | 10 44 10 | 12°51'45 | 9♌51 | 4°57 | 4°11 | 16°41 | 20°41 | 23°27 | 14°38 | 1°27 | 19°16 | 17°37 | 16°33 | 26° 1 | 21°16 | T 23 |
| F 24 | 10 48 6 | 13°51'33 | 22°19 | 6°47 | 5°25 | 17°25 | 20°45 | 23°28 | 14°36 | 1°29 | 19°17 | 17°R37 | 16°30 | 26° 8 | 21°19 | F 24 |
| S 25 | 10 52 3 | 14°51'19 | 5♍ 4 | 8°38 | 6°39 | 18° 8 | 20°48 | 23°29 | 14°34 | 1°31 | 19°18 | 17°36 | 16°27 | 26°15 | 21°23 | S 25 |
| S 26 | 10 55 59 | 15°51'02 | 18° 6 | 10°31 | 7°53 | 18°52 | 20°52 | 23°30 | 14°32 | 1°32 | 19°18 | 17°34 | 16°23 | 26°22 | 21°27 | S 26 |
| M27 | 10 59 56 | 16°50'44 | 1♎25 | 12°25 | 9° 7 | 19°36 | 20°56 | 23°31 | 14°30 | 1°34 | 19°19 | 17°30 | 16°20 | 26°28 | 21°30 | M27 |
| T 28 | 11 3 52 | 17♓50'23 | 14♎58 | 14♓19 | 10♈21 | 20♈20 | 21♊ 0 | 23♊33 | 14♎27 | 1♉36 | 19♉20 | 17♌25 | 16♌17 | 26♊35 | 21♓34 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 14s37 | 2s59 | 4n37 | 21s35 | 1s13 | 10s21 | 1s27 | 0s13 | 0s25 | 23n 2 | 0s 7 | 22n28 | 0s53 | 5s24 | 0n41 | 10n 9 | 1s48 | 4n26 | 13s38 | 15n35 | 15n34 | 19n11 | 0s39 | 3n38 | W 1 |
| T 2 | 14 17 | 7 27 | 5 6 | 21 22 | 1 19 | 9 53 | 1 26 | 0n 6 | 0 24 | 23 2 | 0 7 | 22 28 | 0 53 | 5 23 | 0 41 | 10 10 | 1 48 | 4 26 | 13 37 | 15 35 | 15 35 | 19 12 | 0 38 | 3 37 | T 2 |
| F 3 | 13 57 | 11 35 | 5 17 | 21 9 | 1 25 | 9 24 | 1 25 | 0 24 | 0 23 | 23 3 | 0 7 | 22 29 | 0 53 | 5 23 | 0 41 | 10 10 | 1 48 | 4 26 | 13 37 | 15 35 | 15 36 | 19 13 | 0 36 | 3 37 | F 3 |
| S 4 | 13 38 | 15 9 | 5 10 | 20 53 | 1 30 | 8 55 | 1 24 | 0 43 | 0 22 | 23 3 | 0 7 | 22 29 | 0 53 | 5 22 | 0 41 | 10 11 | 1 48 | 4 27 | 13 37 | 15 35 | 15 37 | 19 14 | 0 35 | 3 37 | S 4 |
| S 5 | 13 17 | 17 52 | 4 44 | 20 37 | 1 35 | 8 25 | 1 23 | 1 1 | 0 22 | 23 3 | 0 6 | 22 29 | 0 53 | 5 22 | 0 41 | 10 11 | 1 48 | 4 27 | 13 36 | 15 35 | 15 38 | 19 15 | 0 34 | 3 37 | S 5 |
| M 6 | 12 57 | 19 30 | 4 0 | 20 19 | 1 40 | 7 56 | 1 23 | 1 20 | 0 21 | 23 3 | 0 6 | 22 29 | 0 52 | 5 21 | 0 41 | 10 11 | 1 48 | 4 27 | 13 36 | 15 35 | 15 39 | 19 16 | 0 33 | 3 37 | M 6 |
| T 7 | 12 36 | 19 53 | 3 1 | 20 0 | 1 45 | 7 26 | 1 22 | 1 38 | 0 20 | 23 3 | 0 6 | 22 29 | 0 52 | 5 20 | 0 41 | 10 12 | 1 48 | 4 28 | 13 36 | 15 35 | 15 40 | 19 16 | 0 32 | 3 37 | T 7 |
| W 8 | 12 16 | 18 55 | 1 49 | 19 39 | 1 49 | 6 56 | 1 20 | 1 57 | 0 19 | 23 3 | 0 6 | 22 29 | 0 52 | 5 20 | 0 41 | 10 12 | 1 48 | 4 28 | 13 35 | 15 34 | 15 41 | 19 17 | 0 30 | 3 37 | W 8 |
| T 9 | 11 55 | 16 44 | 0 31 | 19 17 | 1 53 | 6 26 | 1 19 | 2 15 | 0 19 | 23 4 | 0 6 | 22 29 | 0 52 | 5 19 | 0 41 | 10 13 | 1 48 | 4 29 | 13 35 | 15 34 | 15 42 | 19 18 | 0 29 | 3 36 | T 9 |
| F 10 | 11 34 | 13 31 | 0s48 | 18 53 | 1 56 | 5 56 | 1 18 | 2 33 | 0 18 | 23 4 | 0 6 | 22 30 | 0 52 | 5 19 | 0 41 | 10 13 | 1 48 | 4 29 | 13 35 | 15 34 | 15 43 | 19 19 | 0 28 | 3 36 | F 10 |
| S 11 | 11 12 | 9 33 | 2 3 | 18 28 | 1 59 | 5 25 | 1 17 | 2 52 | 0 17 | 23 4 | 0 5 | 22 30 | 0 51 | 5 18 | 0 41 | 10 14 | 1 48 | 4 29 | 13 35 | 15 35 | 15 44 | 19 20 | 0 27 | 3 36 | S 11 |
| S 12 | 10 51 | 5 11 | 3 9 | 18 2 | 2 2 | 4 55 | 1 16 | 3 10 | 0 16 | 23 4 | 0 5 | 22 30 | 0 51 | 5 17 | 0 41 | 10 14 | 1 48 | 4 30 | 13 34 | 15 35 | 15 45 | 19 20 | 0 25 | 3 36 | S 12 |
| M13 | 10 29 | 0 39 | 4 2 | 17 34 | 2 4 | 4 24 | 1 14 | 3 28 | 0 15 | 23 4 | 0 5 | 22 30 | 0 51 | 5 17 | 0 41 | 10 15 | 1 48 | 4 30 | 13 34 | 15 36 | 15 46 | 19 21 | 0 24 | 3 36 | M13 |
| T 14 | 10 7 | 3n46 | 4 42 | 17 5 | 2 6 | 3 53 | 1 13 | 3 46 | 0 15 | 23 5 | 0 5 | 22 30 | 0 51 | 5 16 | 0 41 | 10 15 | 1 48 | 4 31 | 13 34 | 15 36 | 15 47 | 19 22 | 0 23 | 3 36 | T 14 |
| W15 | 9 45 | 7 54 | 5 6 | 16 35 | 2 7 | 3 22 | 1 11 | 4 4 | 0 14 | 23 5 | 0 5 | 22 30 | 0 51 | 5 15 | 0 41 | 10 16 | 1 48 | 4 31 | 13 33 | 15 37 | 15 48 | 19 23 | 0 22 | 3 36 | W15 |
| T 16 | 9 23 | 11 36 | 5 16 | 16 3 | 2 9 | 2 51 | 1 10 | 4 23 | 0 13 | 23 5 | 0 5 | 22 31 | 0 51 | 5 15 | 0 41 | 10 17 | 1 48 | 4 31 | 13 33 | 15 38 | 15 49 | 19 24 | 0 20 | 3 36 | T 16 |
| F 17 | 9 1 | 14 44 | 5 11 | 15 29 | 2 9 | 2 20 | 1 8 | 4 41 | 0 12 | 23 6 | 0 5 | 22 31 | 0 50 | 5 14 | 0 41 | 10 17 | 1 47 | 4 32 | 13 33 | 15 38 | 15 50 | 19 24 | 0 19 | 3 35 | F 17 |
| S 18 | 8 39 | 17 12 | 4 52 | 14 54 | 2 9 | 1 49 | 1 6 | 4 59 | 0 12 | 23 6 | 0 4 | 22 31 | 0 50 | 5 13 | 0 41 | 10 18 | 1 47 | 4 32 | 13 32 | 15 38 | 15 51 | 19 25 | 0 18 | 3 35 | S 18 |
| S 19 | 8 16 | 18 55 | 4 21 | 14 18 | 2 9 | 1 17 | 1 5 | 5 16 | 0 11 | 23 6 | 0 4 | 22 31 | 0 50 | 5 12 | 0 41 | 10 18 | 1 47 | 4 33 | 13 32 | 15 38 | 15 52 | 19 26 | 0 16 | 3 35 | S 19 |
| M20 | 7 54 | 19 49 | 3 39 | 13 40 | 2 9 | 0 46 | 1 3 | 5 34 | 0 10 | 23 6 | 0 4 | 22 31 | 0 50 | 5 12 | 0 41 | 10 19 | 1 47 | 4 33 | 13 32 | 15 38 | 15 53 | 19 27 | 0 15 | 3 35 | M20 |
| T 21 | 7 31 | 19 50 | 2 47 | 13 1 | 2 7 | 0 15 | 1 1 | 5 52 | 0 9 | 23 7 | 0 4 | 22 32 | 0 50 | 5 11 | 0 41 | 10 19 | 1 47 | 4 33 | 13 32 | 15 37 | 15 54 | 19 27 | 0 14 | 3 35 | T 21 |
| W22 | 7 8 | 18 56 | 1 48 | 12 21 | 2 6 | 0n17 | 0 59 | 6 10 | 0 9 | 23 7 | 0 4 | 22 32 | 0 49 | 5 10 | 0 41 | 10 20 | 1 47 | 4 34 | 13 31 | 15 36 | 15 55 | 19 28 | 0 12 | 3 35 | W22 |
| T 23 | 6 45 | 17 9 | 0 43 | 11 39 | 2 4 | 0 48 | 0 57 | 6 27 | 0 8 | 23 8 | 0 4 | 22 32 | 0 49 | 5 9 | 0 41 | 10 21 | 1 47 | 4 34 | 13 31 | 15 36 | 15 56 | 19 29 | 0 11 | 3 35 | T 23 |
| F 24 | 6 22 | 14 31 | 0n26 | 10 55 | 2 1 | 1 19 | 0 55 | 6 45 | 0 7 | 23 8 | 0 4 | 22 32 | 0 49 | 5 9 | 0 41 | 10 21 | 1 47 | 4 35 | 13 31 | 15 36 | 15 57 | 19 30 | 0 10 | 3 35 | F 24 |
| S 25 | 5 59 | 11 9 | 1 34 | 10 11 | 1 58 | 1 50 | 0 53 | 7 2 | 0 6 | 23 8 | 0 4 | 22 33 | 0 49 | 5 8 | 0 41 | 10 22 | 1 47 | 4 35 | 13 30 | 15 36 | 15 58 | 19 30 | 0 8 | 3 35 | S 25 |
| S 26 | 5 36 | 7 10 | 2 39 | 9 25 | 1 54 | 2 22 | 0 51 | 7 20 | 0 6 | 23 9 | 0 3 | 22 33 | 0 49 | 5 7 | 0 41 | 10 22 | 1 47 | 4 36 | 13 30 | 15 37 | 15 59 | 19 31 | 0 7 | 3 35 | S 26 |
| M27 | 5 13 | 2 45 | 3 37 | 8 37 | 1 50 | 2 53 | 0 49 | 7 37 | 0 5 | 23 9 | 0 3 | 22 33 | 0 48 | 5 6 | 0 41 | 10 23 | 1 47 | 4 36 | 13 30 | 15 38 | 15 59 | 19 32 | 0 6 | 3 35 | M27 |
| T 28 | 4s49 | 1s52 | 4n24 | 7s49 | 1s46 | 3n24 | 0s46 | 7n54 | 0s 4 | 23n10 | 0s 3 | 22n33 | 0s48 | 5s 5 | 0n41 | 10n24 | 1s47 | 4n37 | 13s30 | 15n40 | 16n 0 | 19n33 | 0s 4 | 3n35 | T 28 |

Julian Day Number = 2226960.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'46, Lahiri = 15°16'46 Julian Calendar 1 Feb. 1385 == Greg. Calendar 9 Feb. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## MARCH 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 7 49 | 18♓50'01 | 28♎45 | 16♓15 | 11♈35 | 21♈ 3 | 21♊ 5 | 23♊34 | 14°R25 | 1♉37 | 19♉21 | 17°R20 | 16♌14 | 26♊42 | 21♓38 | W 1 |
| T 2 | 11 11 45 | 19°49'37 | 12♏42 | 18°12 | 12°49 | 21°47 | 21° 9 | 23°36 | 14♎23 | 1°39 | 19°21 | 17♌16 | 16°11 | 26°48 | 21°41 | T 2 |
| F 3 | 11 15 42 | 20°49'11 | 26°45 | 20°10 | 14° 3 | 22°30 | 21°14 | 23°38 | 14°21 | 1°41 | 19°22 | 17°12 | 16° 8 | 26°55 | 21°45 | F 3 |
| S 4 | 11 19 39 | 21°48'44 | 10♐53 | 22° 9 | 15°17 | 23°14 | 21°19 | 23°40 | 14°18 | 1°43 | 19°23 | 17°10 | 16° 4 | 27° 2 | 21°49 | S 4 |
| S 5 | 11 23 35 | 22°48'15 | 25° 3 | 24° 9 | 16°30 | 23°57 | 21°24 | 23°42 | 14°16 | 1°45 | 19°24 | 17°D10 | 16° 1 | 27° 8 | 21°52 | S 5 |
| M 6 | 11 27 32 | 23°47'44 | 9♑13 | 26°10 | 17°44 | 24°41 | 21°29 | 23°44 | 14°14 | 1°46 | 19°24 | 17°11 | 15°58 | 27°15 | 21°56 | M 6 |
| T 7 | 11 31 28 | 24°47'11 | 23°21 | 28°11 | 18°58 | 25°24 | 21°34 | 23°46 | 14°11 | 1°48 | 19°25 | 17°12 | 15°55 | 27°22 | 22° 0 | T 7 |
| W 8 | 11 35 25 | 25°46'37 | 7♒27 | 0♈13 | 20°11 | 26° 8 | 21°40 | 23°48 | 14° 9 | 1°50 | 19°26 | 17°13 | 15°52 | 27°28 | 22° 3 | W 8 |
| T 9 | 11 39 21 | 26°46'00 | 21°27 | 2°15 | 21°25 | 26°51 | 21°46 | 23°51 | 14° 7 | 1°52 | 19°27 | 17°R14 | 15°48 | 27°35 | 22° 7 | T 9 |
| F 10 | 11 43 18 | 27°45'22 | 5♓19 | 4°17 | 22°39 | 27°34 | 21°52 | 23°53 | 14° 4 | 1°54 | 19°28 | 17°12 | 15°45 | 27°42 | 22°11 | F 10 |
| S 11 | 11 47 14 | 28°44'41 | 19° 1 | 6°19 | 23°52 | 28°17 | 21°58 | 23°56 | 14° 2 | 1°56 | 19°29 | 17° 9 | 15°42 | 27°48 | 22°14 | S 11 |
| S 12 | 11 51 11 | 29°43'59 | 2♈30 | 8°21 | 25° 6 | 29° 1 | 22° 4 | 23°59 | 13°59 | 1°58 | 19°30 | 17° 3 | 15°39 | 27°55 | 22°18 | S 12 |
| M13 | 11 55 7 | 0♈43'15 | 15°43 | 10°22 | 26°19 | 29°44 | 22°10 | 24° 1 | 13°57 | 2° 0 | 19°31 | 16°56 | 15°36 | 28° 2 | 22°22 | M13 |
| T 14 | 11 59 4 | 1°42'28 | 28°39 | 12°21 | 27°32 | 0♉27 | 22°17 | 24° 4 | 13°54 | 2° 2 | 19°32 | 16°48 | 15°33 | 28° 9 | 22°25 | T 14 |
| W15 | 12 3 1 | 2°41'39 | 11♉18 | 14°19 | 28°46 | 1°10 | 22°23 | 24° 7 | 13°52 | 2° 4 | 19°33 | 16°40 | 15°29 | 28°15 | 22°29 | W15 |
| T 16 | 12 6 57 | 3°40'48 | 23°41 | 16°16 | 29°59 | 1°53 | 22°30 | 24°11 | 13°49 | 2° 6 | 19°34 | 16°33 | 15°26 | 28°22 | 22°32 | T 16 |
| F 17 | 12 10 54 | 4°39'55 | 5♊50 | 18°10 | 1♉12 | 2°36 | 22°37 | 24°14 | 13°47 | 2° 8 | 19°35 | 16°27 | 15°23 | 28°29 | 22°36 | F 17 |
| S 18 | 12 14 50 | 5°39'00 | 17°48 | 20° 1 | 2°25 | 3°19 | 22°44 | 24°17 | 13°44 | 2°10 | 19°36 | 16°23 | 15°20 | 28°35 | 22°40 | S 18 |
| S 19 | 12 18 47 | 6°38'02 | 29°40 | 21°50 | 3°39 | 4° 1 | 22°51 | 24°21 | 13°42 | 2°12 | 19°37 | 16°21 | 15°17 | 28°42 | 22°43 | S 19 |
| M20 | 12 22 43 | 7°37'02 | 11♋30 | 23°35 | 4°52 | 4°44 | 22°59 | 24°24 | 13°39 | 2°14 | 19°38 | 16°D21 | 15°13 | 28°49 | 22°47 | M20 |
| T 21 | 12 26 40 | 8°35'59 | 23°24 | 25°16 | 6° 5 | 5°27 | 23° 6 | 24°28 | 13°37 | 2°16 | 19°39 | 16°22 | 15°10 | 28°55 | 22°50 | T 21 |
| W22 | 12 30 36 | 9°34'55 | 5♌27 | 26°54 | 7°18 | 6°10 | 23°14 | 24°31 | 13°34 | 2°18 | 19°40 | 16°23 | 15° 7 | 29° 2 | 22°54 | W22 |
| T 23 | 12 34 33 | 10°33'48 | 17°44 | 28°27 | 8°31 | 6°52 | 23°21 | 24°35 | 13°32 | 2°21 | 19°41 | 16°R23 | 15° 4 | 29° 9 | 22°57 | T 23 |
| F 24 | 12 38 30 | 11°32'38 | 0♍18 | 29°55 | 9°43 | 7°35 | 23°29 | 24°39 | 13°29 | 2°23 | 19°42 | 16°22 | 15° 1 | 29°15 | 23° 1 | F 24 |
| S 25 | 12 42 26 | 12°31'27 | 13°14 | 1♉19 | 10°56 | 8°18 | 23°37 | 24°43 | 13°26 | 2°25 | 19°43 | 16°19 | 14°58 | 29°22 | 23° 5 | S 25 |
| S 26 | 12 46 23 | 13°30'13 | 26°32 | 2°38 | 12° 9 | 9° 0 | 23°45 | 24°47 | 13°24 | 2°27 | 19°44 | 16°14 | 14°54 | 29°29 | 23° 8 | S 26 |
| M27 | 12 50 19 | 14°28'57 | 10♎12 | 3°51 | 13°22 | 9°42 | 23°54 | 24°51 | 13°21 | 2°29 | 19°45 | 16° 6 | 14°51 | 29°35 | 23°11 | M27 |
| T 28 | 12 54 16 | 15°27'39 | 24°12 | 4°59 | 14°34 | 10°25 | 24° 2 | 24°56 | 13°19 | 2°31 | 19°46 | 15°57 | 14°48 | 29°42 | 23°15 | T 28 |
| W29 | 12 58 12 | 16°26'19 | 8♏27 | 6° 1 | 15°47 | 11° 7 | 24°11 | 25° 0 | 13°16 | 2°33 | 19°48 | 15°47 | 14°45 | 29°49 | 23°18 | W29 |
| T 30 | 13 2 9 | 17°24'58 | 22°51 | 6°58 | 17° 0 | 11°50 | 24°19 | 25° 4 | 13°13 | 2°36 | 19°49 | 15°38 | 14°42 | 29°56 | 23°22 | T 30 |
| F 31 | 13 6 5 | 18♈23'35 | 7♐19 | 7♉49 | 18♉12 | 12♉32 | 24♊28 | 25♊ 9 | 13♎11 | 2♉38 | 19♉50 | 15♌30 | 14♌39 | 0♋ 2 | 23♓25 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s26 | 6s27 | 4n56 | 6s59 | 1s40 | 3n55 | 0s44 | 8n11 | 0s 4 | 23n10 | 0s 3 | 22n34 | 0s48 | 5s 4 | 0n41 | 10n24 | 1s47 | 4n37 | 13s29 | 15n41 | 16n 1 | 19n33 | 0s 3 | 3n34 |
| T 2 | 4 2 | 10 45 | 5 11 | 6 8 | 1 35 | 4 26 | 0 42 | 8 28 | 0 3 | 23 10 | 0 3 | 22 34 | 0 48 | 5 3 | 0 41 | 10 25 | 1 47 | 4 37 | 13 29 | 15 43 | 16 2 | 19 34 | 0 1 | 3 34 |
| F 3 | 3 39 | 14 30 | 5 8 | 5 15 | 1 28 | 4 57 | 0 39 | 8 45 | 0 2 | 23 11 | 0 3 | 22 34 | 0 48 | 5 3 | 0 41 | 10 26 | 1 47 | 4 38 | 13 29 | 15 44 | 16 3 | 19 35 | 0 0 | 3 34 |
| S 4 | 3 15 | 17 26 | 4 46 | 4 22 | 1 21 | 5 28 | 0 37 | 9 2 | 0 1 | 23 11 | 0 3 | 22 34 | 0 48 | 5 2 | 0 41 | 10 26 | 1 47 | 4 38 | 13 28 | 15 44 | 16 4 | 19 36 | 0n 1 | 3 34 |
| S 5 | 2 52 | 19 19 | 4 7 | 3 28 | 1 14 | 5 59 | 0 35 | 9 19 | 0 1 | 23 12 | 0 3 | 22 35 | 0 47 | 5 1 | 0 41 | 10 27 | 1 47 | 4 39 | 13 28 | 15 44 | 16 5 | 19 36 | 0 3 | 3 34 |
| M 6 | 2 28 | 20 0 | 3 12 | 2 32 | 1 6 | 6 29 | 0 32 | 9 36 | 0n 0 | 23 12 | 0 2 | 22 35 | 0 47 | 5 0 | 0 41 | 10 28 | 1 47 | 4 39 | 13 28 | 15 44 | 16 6 | 19 37 | 0 4 | 3 34 |
| T 7 | 2 5 | 19 25 | 2 6 | 1 36 | 0 58 | 7 0 | 0 30 | 9 52 | 0 1 | 23 13 | 0 2 | 22 35 | 0 47 | 4 59 | 0 41 | 10 28 | 1 47 | 4 40 | 13 28 | 15 44 | 16 7 | 19 38 | 0 5 | 3 34 |
| W 8 | 1 41 | 17 37 | 0 53 | 0 39 | 0 49 | 7 30 | 0 27 | 10 9 | 0 1 | 23 13 | 0 2 | 22 36 | 0 47 | 4 58 | 0 41 | 10 29 | 1 47 | 4 40 | 13 27 | 15 43 | 16 8 | 19 39 | 0 7 | 3 34 |
| T 9 | 1 17 | 14 46 | 0s23 | 0n18 | 0 39 | 8 0 | 0 25 | 10 25 | 0 2 | 23 14 | 0 2 | 22 36 | 0 47 | 4 57 | 0 41 | 10 30 | 1 47 | 4 41 | 13 27 | 15 43 | 16 9 | 19 39 | 0 8 | 3 34 |
| F 10 | 0 54 | 11 5 | 1 37 | 1 16 | 0 29 | 8 30 | 0 22 | 10 41 | 0 3 | 23 14 | 0 2 | 22 36 | 0 46 | 4 56 | 0 41 | 10 30 | 1 47 | 4 41 | 13 27 | 15 44 | 16 10 | 19 40 | 0 10 | 3 34 |
| S 11 | 0 30 | 6 52 | 2 44 | 2 14 | 0 19 | 9 0 | 0 19 | 10 57 | 0 3 | 23 15 | 0 2 | 22 36 | 0 46 | 4 55 | 0 41 | 10 31 | 1 47 | 4 42 | 13 27 | 15 45 | 16 11 | 19 41 | 0 11 | 3 34 |
| S 12 | 0 6 | 2 23 | 3 40 | 3 12 | 0 8 | 9 29 | 0 17 | 11 13 | 0 4 | 23 15 | 0 2 | 22 37 | 0 46 | 4 54 | 0 41 | 10 32 | 1 47 | 4 42 | 13 26 | 15 47 | 16 12 | 19 41 | 0 12 | 3 34 |
| M13 | 0n17 | 2n 9 | 4 24 | 4 10 | 0n 3 | 9 58 | 0 14 | 11 29 | 0 5 | 23 16 | 0 2 | 22 37 | 0 46 | 4 53 | 0 41 | 10 32 | 1 46 | 4 43 | 13 26 | 15 49 | 16 13 | 19 42 | 0 14 | 3 34 |
| T 14 | 0 41 | 6 28 | 4 53 | 5 7 | 0 14 | 10 28 | 0 11 | 11 45 | 0 6 | 23 16 | 0 1 | 22 37 | 0 46 | 4 52 | 0 41 | 10 33 | 1 46 | 4 43 | 13 26 | 15 51 | 16 14 | 19 43 | 0 15 | 3 34 |
| W15 | 1 4 | 10 24 | 5 7 | 6 4 | 0 26 | 10 56 | 0 8 | 12 1 | 0 6 | 23 17 | 0 1 | 22 38 | 0 46 | 4 51 | 0 41 | 10 34 | 1 46 | 4 44 | 13 26 | 15 54 | 16 15 | 19 43 | 0 17 | 3 34 |
| T 16 | 1 28 | 13 49 | 5 6 | 7 0 | 0 38 | 11 25 | 0 6 | 12 16 | 0 7 | 23 17 | 0 1 | 22 38 | 0 45 | 4 50 | 0 41 | 10 35 | 1 46 | 4 44 | 13 25 | 15 56 | 16 16 | 19 44 | 0 18 | 3 34 |
| F 17 | 1 52 | 16 35 | 4 51 | 7 54 | 0 50 | 11 53 | 0 3 | 12 32 | 0 8 | 23 18 | 0 1 | 22 38 | 0 45 | 4 49 | 0 41 | 10 35 | 1 46 | 4 44 | 13 25 | 15 58 | 16 17 | 19 45 | 0 20 | 3 34 |
| S 18 | 2 15 | 18 35 | 4 23 | 8 48 | 1 1 | 12 21 | 0n 0 | 12 47 | 0 8 | 23 18 | 0 1 | 22 39 | 0 45 | 4 48 | 0 41 | 10 36 | 1 46 | 4 45 | 13 25 | 15 59 | 16 17 | 19 45 | 0 21 | 3 34 |
| S 19 | 2 39 | 19 46 | 3 45 | 9 40 | 1 13 | 12 49 | 0 3 | 13 2 | 0 9 | 23 19 | 0 1 | 22 39 | 0 45 | 4 47 | 0 41 | 10 37 | 1 46 | 4 45 | 13 25 | 15 59 | 16 18 | 19 46 | 0 22 | 3 34 |
| M20 | 3 2 | 20 5 | 2 57 | 10 29 | 1 24 | 13 16 | 0 6 | 13 17 | 0 10 | 23 19 | 0 1 | 22 39 | 0 45 | 4 46 | 0 41 | 10 38 | 1 46 | 4 46 | 13 25 | 15 59 | 16 19 | 19 47 | 0 24 | 3 34 |
| T 21 | 3 25 | 19 30 | 2 1 | 11 17 | 1 35 | 13 44 | 0 9 | 13 32 | 0 10 | 23 20 | 0 1 | 22 40 | 0 44 | 4 45 | 0 41 | 10 38 | 1 46 | 4 46 | 13 24 | 15 59 | 16 20 | 19 47 | 0 25 | 3 34 |
| W22 | 3 49 | 18 1 | 0 59 | 12 3 | 1 46 | 14 10 | 0 12 | 13 47 | 0 11 | 23 20 | 0 0 | 22 40 | 0 44 | 4 44 | 0 41 | 10 39 | 1 46 | 4 47 | 13 24 | 15 59 | 16 21 | 19 48 | 0 27 | 3 34 |
| T 23 | 4 12 | 15 41 | 0n 7 | 12 46 | 1 56 | 14 37 | 0 14 | 14 2 | 0 11 | 23 21 | 0 0 | 22 40 | 0 44 | 4 43 | 0 41 | 10 40 | 1 46 | 4 47 | 13 24 | 15 59 | 16 22 | 19 49 | 0 28 | 3 34 |
| F 24 | 4 35 | 12 33 | 1 14 | 13 27 | 2 6 | 15 3 | 0 17 | 14 17 | 0 12 | 23 21 | 0 0 | 22 41 | 0 44 | 4 42 | 0 41 | 10 41 | 1 46 | 4 48 | 13 24 | 15 59 | 16 23 | 19 49 | 0 29 | 3 34 |
| S 25 | 4 58 | 8 45 | 2 19 | 14 5 | 2 15 | 15 29 | 0 20 | 14 31 | 0 13 | 23 22 | 0 0 | 22 41 | 0 44 | 4 41 | 0 41 | 10 41 | 1 46 | 4 48 | 13 24 | 16 0 | 16 24 | 19 50 | 0 31 | 3 34 |
| S 26 | 5 21 | 4 24 | 3 18 | 14 40 | 2 24 | 15 54 | 0 23 | 14 45 | 0 13 | 23 22 | 0 0 | 22 41 | 0 44 | 4 40 | 0 41 | 10 42 | 1 46 | 4 49 | 13 23 | 16 1 | 16 25 | 19 51 | 0 32 | 3 34 |
| M27 | 5 44 | 0s16 | 4 7 | 15 13 | 2 32 | 16 19 | 0 26 | 14 59 | 0 14 | 23 23 | 0n 0 | 22 42 | 0 43 | 4 39 | 0 41 | 10 43 | 1 46 | 4 49 | 13 23 | 16 4 | 16 26 | 19 51 | 0 33 | 3 34 |
| T 28 | 6 6 | 5 2 | 4 43 | 15 43 | 2 38 | 16 44 | 0 29 | 15 13 | 0 15 | 23 23 | 0 0 | 22 42 | 0 43 | 4 38 | 0 41 | 10 44 | 1 46 | 4 50 | 13 23 | 16 7 | 16 27 | 19 52 | 0 35 | 3 34 |
| W29 | 6 29 | 9 36 | 5 2 | 16 9 | 2 44 | 17 8 | 0 32 | 15 27 | 0 15 | 23 24 | 0 0 | 22 42 | 0 43 | 4 37 | 0 41 | 10 44 | 1 46 | 4 50 | 13 23 | 16 9 | 16 28 | 19 53 | 0 36 | 3 34 |
| T 30 | 6 52 | 13 41 | 5 2 | 16 33 | 2 49 | 17 31 | 0 35 | 15 41 | 0 16 | 23 24 | 0 0 | 22 43 | 0 43 | 4 36 | 0 41 | 10 45 | 1 46 | 4 51 | 13 23 | 16 12 | 16 29 | 19 53 | 0 38 | 3 34 |
| F 31 | 7n14 | 16s57 | 4n43 | 16n54 | 2n53 | 17n55 | 0n38 | 15n55 | 0n16 | 23n25 | 0n 1 | 22n43 | 0s43 | 4s35 | 0n41 | 10n46 | 1s46 | 4n51 | 13s22 | 16n14 | 16n30 | 19n54 | 0n39 | 3n34 |

Julian Day Number = 2226988.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'50, Lahiri = 15°16'50 Julian Calendar 1 March 1385 == Greg. Calendar 9 March 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## APRIL 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 10 2 | 19♈22'09 | 21♐44 | 8♉34 | 19♉24 | 13♉14 | 24♊37 | 25♊13 | 13°R 8 | 2♉40 | 19♉51 | 15°R25 | 14♌35 | 0♋ 9 | 23♓29 | S 1 |
| S 2 | 13 13 59 | 20°20'43 | 6♑ 2 | 9°13 | 20°37 | 13°56 | 24°46 | 25°18 | 13♎ 6 | 2°42 | 19°52 | 15♌22 | 14°32 | 0°16 | 23°32 | S 2 |
| M 3 | 13 17 55 | 21°19'15 | 20°12 | 9°47 | 21°49 | 14°38 | 24°55 | 25°23 | 13° 3 | 2°45 | 19°54 | 15°D21 | 14°29 | 0°22 | 23°35 | M 3 |
| T 4 | 13 21 52 | 22°17'45 | 4♒11 | 10°14 | 23° 1 | 15°21 | 25° 4 | 25°28 | 13° 1 | 2°47 | 19°55 | 15°22 | 14°26 | 0°29 | 23°39 | T 4 |
| W 5 | 13 25 48 | 23°16'13 | 17°59 | 10°35 | 24°14 | 16° 3 | 25°14 | 25°33 | 12°58 | 2°49 | 19°56 | 15°R22 | 14°23 | 0°36 | 23°42 | W 5 |
| T 6 | 13 29 45 | 24°14'40 | 1♓37 | 10°51 | 25°26 | 16°45 | 25°23 | 25°38 | 12°56 | 2°51 | 19°57 | 15°21 | 14°19 | 0°42 | 23°45 | T 6 |
| F 7 | 13 33 41 | 25°13'05 | 15° 5 | 11° 0 | 26°38 | 17°27 | 25°33 | 25°43 | 12°53 | 2°53 | 19°58 | 15°18 | 14°16 | 0°49 | 23°48 | F 7 |
| S 8 | 13 37 38 | 26°11'28 | 28°22 | 11°R 4 | 27°50 | 18° 9 | 25°42 | 25°48 | 12°51 | 2°56 | 20° 0 | 15°12 | 14°13 | 0°56 | 23°52 | S 8 |
| S 9 | 13 41 34 | 27° 9'50 | 11♈28 | 11° 2 | 29° 2 | 18°50 | 25°52 | 25°53 | 12°48 | 2°58 | 20° 1 | 15° 3 | 14°10 | 1° 2 | 23°55 | S 9 |
| M10 | 13 45 31 | 28° 8'10 | 24°22 | 10°55 | 0♊14 | 19°32 | 26° 2 | 25°58 | 12°46 | 3° 0 | 20° 2 | 14°52 | 14° 7 | 1° 9 | 23°58 | M10 |
| T 11 | 13 49 27 | 29° 6'28 | 7♉ 4 | 10°43 | 1°26 | 20°14 | 26°12 | 26° 4 | 12°43 | 3° 2 | 20° 3 | 14°39 | 14° 4 | 1°16 | 24° 1 | T 11 |
| W12 | 13 53 24 | 0♉ 4'44 | 19°32 | 10°26 | 2°37 | 20°56 | 26°22 | 26° 9 | 12°41 | 3° 5 | 20° 5 | 14°26 | 14° 0 | 1°22 | 24° 4 | W12 |
| T 13 | 13 57 21 | 1° 2'59 | 1♊48 | 10° 4 | 3°49 | 21°38 | 26°32 | 26°15 | 12°39 | 3° 7 | 20° 6 | 14°14 | 13°57 | 1°29 | 24° 7 | T 13 |
| F 14 | 14 1 17 | 2° 1'11 | 13°53 | 9°39 | 5° 1 | 22°19 | 26°43 | 26°20 | 12°36 | 3° 9 | 20° 7 | 14° 4 | 13°54 | 1°36 | 24°10 | F 14 |
| S 15 | 14 5 14 | 2°59'22 | 25°48 | 9°10 | 6°12 | 23° 1 | 26°53 | 26°26 | 12°34 | 3°11 | 20° 9 | 13°56 | 13°51 | 1°42 | 24°13 | S 15 |
| S 16 | 14 9 10 | 3°57'31 | 7♋39 | 8°38 | 7°24 | 23°42 | 27° 3 | 26°32 | 12°31 | 3°14 | 20°10 | 13°51 | 13°48 | 1°49 | 24°16 | S 16 |
| M17 | 14 13 7 | 4°55'38 | 19°27 | 8° 3 | 8°35 | 24°24 | 27°14 | 26°37 | 12°29 | 3°16 | 20°11 | 13°49 | 13°45 | 1°56 | 24°19 | M17 |
| T 18 | 14 17 3 | 5°53'42 | 1♌20 | 7°27 | 9°47 | 25° 6 | 27°25 | 26°43 | 12°27 | 3°18 | 20°13 | 13°48 | 13°41 | 2° 2 | 24°22 | T 18 |
| W19 | 14 21 0 | 6°51'45 | 13°21 | 6°50 | 10°58 | 25°47 | 27°35 | 26°49 | 12°25 | 3°20 | 20°14 | 13°48 | 13°38 | 2° 9 | 24°25 | W19 |
| T 20 | 14 24 56 | 7°49'46 | 25°37 | 6°13 | 12° 9 | 26°28 | 27°46 | 26°55 | 12°22 | 3°23 | 20°15 | 13°48 | 13°35 | 2°16 | 24°28 | T 20 |
| F 21 | 14 28 53 | 8°47'45 | 8♍12 | 5°36 | 13°20 | 27°10 | 27°57 | 27° 1 | 12°20 | 3°25 | 20°17 | 13°46 | 13°32 | 2°22 | 24°31 | F 21 |
| S 22 | 14 32 50 | 9°45'42 | 21°11 | 5° 0 | 14°31 | 27°51 | 28° 8 | 27° 7 | 12°18 | 3°27 | 20°18 | 13°42 | 13°29 | 2°29 | 24°34 | S 22 |
| S 23 | 14 36 46 | 10°43'38 | 4♎37 | 4°25 | 15°42 | 28°32 | 28°19 | 27°13 | 12°16 | 3°29 | 20°19 | 13°35 | 13°25 | 2°36 | 24°37 | S 23 |
| M24 | 14 40 43 | 11°41'31 | 18°30 | 3°53 | 16°53 | 29°14 | 28°30 | 27°20 | 12°14 | 3°32 | 20°21 | 13°27 | 13°22 | 2°43 | 24°39 | M24 |
| T 25 | 14 44 39 | 12°39'23 | 2♏47 | 3°23 | 18° 4 | 29°55 | 28°42 | 27°26 | 12°11 | 3°34 | 20°22 | 13°16 | 13°19 | 2°49 | 24°42 | T 25 |
| W26 | 14 48 36 | 13°37'13 | 17°24 | 2°56 | 19°15 | 0♊36 | 28°53 | 27°32 | 12° 9 | 3°36 | 20°23 | 13° 4 | 13°16 | 2°56 | 24°45 | W26 |
| T 27 | 14 52 32 | 14°35'02 | 2♐13 | 2°33 | 20°25 | 1°17 | 29° 4 | 27°39 | 12° 7 | 3°38 | 20°25 | 12°54 | 13°13 | 3° 3 | 24°47 | T 27 |
| F 28 | 14 56 29 | 15°32'50 | 17° 6 | 2°13 | 21°36 | 1°58 | 29°16 | 27°45 | 12° 5 | 3°41 | 20°26 | 12°44 | 13°10 | 3° 9 | 24°50 | F 28 |
| S 29 | 15 0 25 | 16°30'36 | 1♑53 | 1°58 | 22°46 | 2°39 | 29°27 | 27°52 | 12° 3 | 3°43 | 20°27 | 12°38 | 13° 6 | 3°16 | 24°53 | S 29 |
| S 30 | 15 4 22 | 17♑28'21 | 16♑29 | 1♉47 | 23♊57 | 3♊20 | 29♊39 | 27♊58 | 12♎ 1 | 3♉45 | 20♉29 | 12♌34 | 13♌ 3 | 3♋23 | 24♓55 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n36 | 19s10 | 4n 6 | 17n11 | 2n56 | 18n17 | 0n41 | 16n 8 | 0n17 | 23n25 | 0n 1 | 22n43 | 0s43 | 4s34 | 0n41 | 10n47 | 1s46 | 4n52 | 13s22 | 16n16 | 16n31 | 19n55 | 0n40 | 3n34 |
| S 2 | 7 58 | 20 10 | 3 13 | 17 26 | 2 58 | 18 40 | 0 44 | 16 21 | 0 18 | 23 26 | 0 1 | 22 44 | 0 43 | 4 33 | 0 41 | 10 47 | 1 46 | 4 52 | 13 22 | 16 17 | 16 31 | 19 55 | 0 42 | 3 34 |
| M 3 | 8 21 | 19 51 | 2 10 | 17 37 | 2 59 | 19 2 | 0 47 | 16 34 | 0 18 | 23 26 | 0 1 | 22 44 | 0 42 | 4 32 | 0 41 | 10 48 | 1 46 | 4 52 | 13 22 | 16 17 | 16 32 | 19 56 | 0 43 | 3 34 |
| T 4 | 8 42 | 18 19 | 0 59 | 17 45 | 2 58 | 19 23 | 0 49 | 16 47 | 0 19 | 23 26 | 0 1 | 22 44 | 0 42 | 4 31 | 0 41 | 10 49 | 1 46 | 4 53 | 13 22 | 16 17 | 16 33 | 19 56 | 0 44 | 3 34 |
| W 5 | 9 4 | 15 43 | 0s14 | 17 50 | 2 57 | 19 44 | 0 52 | 17 0 | 0 19 | 23 27 | 0 1 | 22 45 | 0 42 | 4 30 | 0 41 | 10 50 | 1 46 | 4 53 | 13 22 | 16 17 | 16 34 | 19 57 | 0 46 | 3 34 |
| T 6 | 9 26 | 12 16 | 1 25 | 17 52 | 2 54 | 20 4 | 0 55 | 17 13 | 0 20 | 23 27 | 0 1 | 22 45 | 0 42 | 4 29 | 0 41 | 10 51 | 1 46 | 4 54 | 13 21 | 16 17 | 16 35 | 19 58 | 0 47 | 3 34 |
| F 7 | 9 47 | 8 13 | 2 31 | 17 51 | 2 49 | 20 24 | 0 58 | 17 25 | 0 21 | 23 28 | 0 1 | 22 45 | 0 42 | 4 28 | 0 41 | 10 51 | 1 46 | 4 54 | 13 21 | 16 18 | 16 36 | 19 58 | 0 48 | 3 34 |
| S 8 | 10 9 | 3 49 | 3 27 | 17 47 | 2 44 | 20 44 | 1 1 | 17 38 | 0 21 | 23 28 | 0 1 | 22 45 | 0 42 | 4 28 | 0 41 | 10 52 | 1 46 | 4 55 | 13 21 | 16 20 | 16 37 | 19 59 | 0 50 | 3 34 |
| S 9 | 10 30 | 0n42 | 4 12 | 17 40 | 2 37 | 21 3 | 1 4 | 17 50 | 0 22 | 23 29 | 0 1 | 22 46 | 0 41 | 4 27 | 0 41 | 10 53 | 1 46 | 4 55 | 13 21 | 16 23 | 16 38 | 19 59 | 0 51 | 3 34 |
| M10 | 10 51 | 5 6 | 4 42 | 17 30 | 2 28 | 21 21 | 1 6 | 18 2 | 0 22 | 23 29 | 0 2 | 22 46 | 0 41 | 4 26 | 0 41 | 10 54 | 1 46 | 4 56 | 13 21 | 16 26 | 16 39 | 20 0 | 0 52 | 3 34 |
| T 11 | 11 12 | 9 13 | 4 58 | 17 17 | 2 19 | 21 39 | 1 9 | 18 14 | 0 23 | 23 29 | 0 2 | 22 46 | 0 41 | 4 25 | 0 41 | 10 54 | 1 46 | 4 56 | 13 21 | 16 29 | 16 40 | 20 1 | 0 53 | 3 34 |
| W12 | 11 32 | 12 52 | 5 0 | 17 1 | 2 8 | 21 56 | 1 12 | 18 26 | 0 24 | 23 30 | 0 2 | 22 47 | 0 41 | 4 24 | 0 41 | 10 55 | 1 46 | 4 57 | 13 21 | 16 33 | 16 41 | 20 1 | 0 55 | 3 34 |
| T 13 | 11 53 | 15 54 | 4 47 | 16 43 | 1 56 | 22 12 | 1 15 | 18 37 | 0 24 | 23 30 | 0 2 | 22 47 | 0 41 | 4 23 | 0 41 | 10 56 | 1 46 | 4 57 | 13 20 | 16 37 | 16 42 | 20 2 | 0 56 | 3 34 |
| F 14 | 12 13 | 18 12 | 4 22 | 16 22 | 1 43 | 22 28 | 1 17 | 18 48 | 0 25 | 23 31 | 0 2 | 22 47 | 0 41 | 4 22 | 0 41 | 10 57 | 1 46 | 4 57 | 13 20 | 16 40 | 16 43 | 20 2 | 0 57 | 3 34 |
| S 15 | 12 33 | 19 42 | 3 45 | 16 0 | 1 29 | 22 43 | 1 20 | 19 0 | 0 25 | 23 31 | 0 2 | 22 48 | 0 41 | 4 21 | 0 41 | 10 57 | 1 46 | 4 58 | 13 20 | 16 42 | 16 43 | 20 3 | 0 59 | 3 34 |
| S 16 | 12 53 | 20 19 | 2 59 | 15 35 | 1 14 | 22 58 | 1 22 | 19 11 | 0 26 | 23 31 | 0 2 | 22 48 | 0 40 | 4 20 | 0 41 | 10 58 | 1 46 | 4 58 | 13 20 | 16 43 | 16 44 | 20 4 | 1 0 | 3 34 |
| M17 | 13 12 | 20 2 | 2 5 | 15 9 | 0 58 | 23 12 | 1 25 | 19 22 | 0 26 | 23 32 | 0 2 | 22 48 | 0 40 | 4 19 | 0 41 | 10 59 | 1 46 | 4 59 | 13 20 | 16 44 | 16 45 | 20 4 | 1 1 | 3 34 |
| T 18 | 13 32 | 18 52 | 1 6 | 14 42 | 0 41 | 23 26 | 1 28 | 19 32 | 0 27 | 23 32 | 0 2 | 22 49 | 0 40 | 4 18 | 0 41 | 11 0 | 1 46 | 4 59 | 13 20 | 16 44 | 16 46 | 20 5 | 1 2 | 3 34 |
| W19 | 13 51 | 16 50 | 0 2 | 14 14 | 0 25 | 23 39 | 1 30 | 19 43 | 0 27 | 23 32 | 0 3 | 22 49 | 0 40 | 4 17 | 0 41 | 11 1 | 1 46 | 5 0 | 13 20 | 16 44 | 16 47 | 20 5 | 1 3 | 3 35 |
| T 20 | 14 10 | 14 0 | 1n 2 | 13 45 | 0 7 | 23 51 | 1 32 | 19 53 | 0 28 | 23 33 | 0 3 | 22 49 | 0 40 | 4 17 | 0 41 | 11 1 | 1 46 | 5 0 | 13 20 | 16 44 | 16 48 | 20 6 | 1 5 | 3 35 |
| F 21 | 14 29 | 10 27 | 2 5 | 13 16 | 0s10 | 24 3 | 1 35 | 20 3 | 0 29 | 23 33 | 0 3 | 22 49 | 0 40 | 4 16 | 0 41 | 11 2 | 1 46 | 5 0 | 13 20 | 16 45 | 16 49 | 20 6 | 1 6 | 3 35 |
| S 22 | 14 47 | 6 19 | 3 4 | 12 48 | 0 27 | 24 13 | 1 37 | 20 13 | 0 29 | 23 33 | 0 3 | 22 50 | 0 40 | 4 15 | 0 41 | 11 3 | 1 46 | 5 1 | 13 20 | 16 46 | 16 50 | 20 7 | 1 7 | 3 35 |
| S 23 | 15 5 | 1 45 | 3 54 | 12 20 | 0 44 | 24 24 | 1 39 | 20 23 | 0 30 | 23 33 | 0 3 | 22 50 | 0 39 | 4 14 | 0 41 | 11 4 | 1 46 | 5 1 | 13 20 | 16 48 | 16 51 | 20 7 | 1 8 | 3 35 |
| M24 | 15 23 | 3s 4 | 4 33 | 11 54 | 1 1 | 24 33 | 1 42 | 20 32 | 0 30 | 23 34 | 0 3 | 22 50 | 0 39 | 4 13 | 0 41 | 11 4 | 1 46 | 5 2 | 13 19 | 16 50 | 16 52 | 20 8 | 1 9 | 3 35 |
| T 25 | 15 41 | 7 51 | 4 56 | 11 28 | 1 17 | 24 42 | 1 44 | 20 42 | 0 31 | 23 34 | 0 3 | 22 50 | 0 39 | 4 12 | 0 41 | 11 5 | 1 46 | 5 2 | 13 19 | 16 54 | 16 53 | 20 8 | 1 11 | 3 35 |
| W26 | 15 59 | 12 17 | 5 0 | 11 4 | 1 33 | 24 50 | 1 46 | 20 51 | 0 31 | 23 34 | 0 3 | 22 51 | 0 39 | 4 12 | 0 41 | 11 6 | 1 46 | 5 2 | 13 19 | 16 57 | 16 54 | 20 9 | 1 12 | 3 35 |
| T 27 | 16 16 | 16 2 | 4 44 | 10 42 | 1 48 | 24 58 | 1 48 | 21 0 | 0 32 | 23 34 | 0 3 | 22 51 | 0 39 | 4 11 | 0 41 | 11 7 | 1 46 | 5 3 | 13 19 | 17 0 | 16 54 | 20 10 | 1 13 | 3 35 |
| F 28 | 16 33 | 18 46 | 4 9 | 10 22 | 2 2 | 25 5 | 1 50 | 21 9 | 0 32 | 23 34 | 0 3 | 22 51 | 0 39 | 4 10 | 0 41 | 11 7 | 1 46 | 5 3 | 13 19 | 17 2 | 16 55 | 20 10 | 1 14 | 3 35 |
| S 29 | 16 50 | 20 13 | 3 17 | 10 5 | 2 16 | 25 11 | 1 52 | 21 18 | 0 33 | 23 34 | 0 3 | 22 51 | 0 39 | 4 9 | 0 41 | 11 8 | 1 46 | 5 4 | 13 19 | 17 4 | 16 56 | 20 11 | 1 15 | 3 35 |
| S 30 | 17n 6 | 20s18 | 2n13 | 9n49 | 2s28 | 25n16 | 1n54 | 21n26 | 0n33 | 23n35 | 0n 4 | 22n52 | 0s38 | 4s 9 | 0n41 | 11n 9 | 1s46 | 5n 4 | 13s19 | 17n 5 | 16n57 | 20n11 | 1n16 | 3n35 |

Julian Day Number = 2227019.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'54, Lahiri = 15°16'54 Julian Calendar 1 Apr. 1385 == Greg. Calendar 9 Apr. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## MAY 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 8 19 | 18♉26'05 | 0♒50 | 1°R40 | 25♊ 7 | 4♊ 1 | 29♊50 | 28♊ 5 | 11°R59 | 3♉47 | 20♉30 | 12°R32 | 13♌ 0 | 3♋29 | 24♓58 | M 1 |
| T 2 | 15 12 15 | 19°23'48 | 14°52 | 1°D38 | 26°17 | 4°42 | 0♋ 2 | 28°12 | 11♎58 | 3°49 | 20°31 | 12♌32 | 12°57 | 3°36 | 25° 0 | T 2 |
| W 3 | 15 16 12 | 20°21'30 | 28°36 | 1♉40 | 27°28 | 5°23 | 0°14 | 28°18 | 11°56 | 3°52 | 20°33 | 12°32 | 12°54 | 3°43 | 25° 2 | W 3 |
| T 4 | 15 20 8 | 21°19'11 | 12♓ 3 | 1°47 | 28°38 | 6° 4 | 0°26 | 28°25 | 11°54 | 3°54 | 20°34 | 12°31 | 12°50 | 3°49 | 25° 5 | T 4 |
| F 5 | 15 24 5 | 22°16'50 | 25°15 | 1°58 | 29°48 | 6°45 | 0°38 | 28°32 | 11°52 | 3°56 | 20°35 | 12°27 | 12°47 | 3°56 | 25° 7 | F 5 |
| S 6 | 15 28 1 | 23°14'29 | 8♈14 | 2°14 | 0♋57 | 7°25 | 0°50 | 28°39 | 11°50 | 3°58 | 20°37 | 12°21 | 12°44 | 4° 3 | 25° 9 | S 6 |
| S 7 | 15 31 58 | 24°12'06 | 21° 0 | 2°35 | 2° 7 | 8° 6 | 1° 2 | 28°46 | 11°49 | 4° 0 | 20°38 | 12°12 | 12°41 | 4° 9 | 25°12 | S 7 |
| M 8 | 15 35 54 | 25° 9'43 | 3♉36 | 2°59 | 3°17 | 8°47 | 1°14 | 28°53 | 11°47 | 4° 2 | 20°39 | 12° 1 | 12°38 | 4°16 | 25°14 | M 8 |
| T 9 | 15 39 51 | 26° 7'18 | 16° 1 | 3°28 | 4°27 | 9°27 | 1°26 | 29° 0 | 11°45 | 4° 5 | 20°41 | 11°49 | 12°35 | 4°23 | 25°16 | T 9 |
| W10 | 15 43 48 | 27° 4'53 | 28°16 | 4° 1 | 5°36 | 10° 8 | 1°38 | 29° 7 | 11°44 | 4° 7 | 20°42 | 11°36 | 12°31 | 4°29 | 25°18 | W10 |
| T 11 | 15 47 44 | 28° 2'26 | 10♊21 | 4°38 | 6°45 | 10°49 | 1°50 | 29°14 | 11°42 | 4° 9 | 20°44 | 11°23 | 12°28 | 4°36 | 25°20 | T 11 |
| F 12 | 15 51 41 | 28°59'58 | 22°19 | 5°19 | 7°55 | 11°29 | 2° 3 | 29°21 | 11°41 | 4°11 | 20°45 | 11°13 | 12°25 | 4°43 | 25°22 | F 12 |
| S 13 | 15 55 37 | 29°57'29 | 4♋11 | 6° 4 | 9° 4 | 12°10 | 2°15 | 29°28 | 11°39 | 4°13 | 20°46 | 11° 5 | 12°22 | 4°49 | 25°24 | S 13 |
| S 14 | 15 59 34 | 0♊54'59 | 15°59 | 6°52 | 10°13 | 12°50 | 2°28 | 29°35 | 11°38 | 4°15 | 20°48 | 10°59 | 12°19 | 4°56 | 25°26 | S 14 |
| M15 | 16 3 30 | 1°52'27 | 27°47 | 7°44 | 11°22 | 13°30 | 2°40 | 29°42 | 11°37 | 4°17 | 20°49 | 10°57 | 12°16 | 5° 3 | 25°28 | M15 |
| T 16 | 16 7 27 | 2°49'54 | 9♌38 | 8°40 | 12°31 | 14°11 | 2°53 | 29°50 | 11°35 | 4°19 | 20°50 | 10°D56 | 12°12 | 5° 9 | 25°30 | T 16 |
| W17 | 16 11 23 | 3°47'20 | 21°38 | 9°39 | 13°40 | 14°51 | 3° 5 | 29°57 | 11°34 | 4°21 | 20°52 | 10°56 | 12° 9 | 5°16 | 25°32 | W17 |
| T 18 | 16 15 20 | 4°44'45 | 3♍53 | 10°41 | 14°48 | 15°31 | 3°18 | 0♋ 4 | 11°33 | 4°23 | 20°53 | 10°R57 | 12° 6 | 5°23 | 25°34 | T 18 |
| F 19 | 16 19 17 | 5°42'08 | 16°26 | 11°47 | 15°57 | 16°12 | 3°30 | 0°12 | 11°32 | 4°25 | 20°54 | 10°56 | 12° 3 | 5°29 | 25°35 | F 19 |
| S 20 | 16 23 13 | 6°39'31 | 29°23 | 12°55 | 17° 5 | 16°52 | 3°43 | 0°19 | 11°31 | 4°27 | 20°56 | 10°54 | 12° 0 | 5°36 | 25°37 | S 20 |
| S 21 | 16 27 10 | 7°36'52 | 12♎47 | 14° 7 | 18°13 | 17°32 | 3°56 | 0°26 | 11°30 | 4°29 | 20°57 | 10°49 | 11°56 | 5°43 | 25°39 | S 21 |
| M22 | 16 31 6 | 8°34'12 | 26°41 | 15°23 | 19°21 | 18°12 | 4° 9 | 0°34 | 11°29 | 4°31 | 20°58 | 10°43 | 11°53 | 5°49 | 25°40 | M22 |
| T 23 | 16 35 3 | 9°31'31 | 11♏ 3 | 16°41 | 20°29 | 18°52 | 4°22 | 0°41 | 11°28 | 4°33 | 20°59 | 10°34 | 11°50 | 5°56 | 25°42 | T 23 |
| W24 | 16 38 59 | 10°28'49 | 25°49 | 18° 2 | 21°37 | 19°33 | 4°34 | 0°49 | 11°27 | 4°35 | 21° 1 | 10°26 | 11°47 | 6° 3 | 25°43 | W24 |
| T 25 | 16 42 56 | 11°26'07 | 10♐52 | 19°26 | 22°45 | 20°13 | 4°47 | 0°56 | 11°26 | 4°37 | 21° 2 | 10°17 | 11°44 | 6° 9 | 25°45 | T 25 |
| F 26 | 16 46 52 | 12°23'24 | 26° 2 | 20°53 | 23°53 | 20°53 | 5° 0 | 1° 4 | 11°25 | 4°39 | 21° 3 | 10°10 | 11°41 | 6°16 | 25°46 | F 26 |
| S 27 | 16 50 49 | 13°20'40 | 11♑ 9 | 22°23 | 25° 0 | 21°33 | 5°13 | 1°11 | 11°24 | 4°41 | 21° 5 | 10° 5 | 11°37 | 6°23 | 25°47 | S 27 |
| S 28 | 16 54 46 | 14°17'56 | 26° 3 | 23°56 | 26° 7 | 22°13 | 5°26 | 1°19 | 11°23 | 4°42 | 21° 6 | 10° 2 | 11°34 | 6°29 | 25°48 | S 28 |
| M29 | 16 58 42 | 15°15'11 | 10♒39 | 25°32 | 27°14 | 22°53 | 5°39 | 1°27 | 11°23 | 4°44 | 21° 7 | 10°D 1 | 11°31 | 6°36 | 25°50 | M29 |
| T 30 | 17 2 39 | 16°12'26 | 24°53 | 27°11 | 28°21 | 23°32 | 5°52 | 1°34 | 11°22 | 4°46 | 21° 8 | 10° 2 | 11°28 | 6°43 | 25°51 | T 30 |
| W31 | 17 6 35 | 17♊ 9'41 | 8♓43 | 28♉52 | 29♋28 | 24♊12 | 6♋ 5 | 1♋42 | 11♎21 | 4♉48 | 21♉10 | 10♌ 2 | 11♌25 | 6♋49 | 25♓52 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n22 | 19s 2 | 1n 2 | 9n36 | 2s39 | 25n21 | 1n56 | 21n34 | 0n34 | 23n35 | 0n 4 | 22n52 | 0s38 | 4s 8 | 0n41 | 11n 9 | 1s46 | 5n 4 | 13s19 | 17n 6 | 16n58 | 20n12 | 1n17 | 3n35 |
| T 2 | 17 38 | 16 38 | 0s12 | 9 26 | 2 49 | 25 25 | 1 57 | 21 42 | 0 34 | 23 35 | 0 4 | 22 52 | 0 38 | 4 7 | 0 41 | 11 10 | 1 46 | 5 5 | 13 19 | 17 6 | 16 59 | 20 12 | 1 18 | 3 36 |
| W 3 | 17 54 | 13 19 | 1 24 | 9 18 | 2 59 | 25 28 | 1 59 | 21 50 | 0 35 | 23 35 | 0 4 | 22 52 | 0 38 | 4 7 | 0 41 | 11 11 | 1 46 | 5 5 | 13 19 | 17 6 | 17 0 | 20 13 | 1 19 | 3 36 |
| T 4 | 18 9 | 9 22 | 2 29 | 9 12 | 3 7 | 25 31 | 2 0 | 21 58 | 0 35 | 23 35 | 0 4 | 22 53 | 0 38 | 4 6 | 0 41 | 11 12 | 1 46 | 5 5 | 13 19 | 17 6 | 17 1 | 20 13 | 1 20 | 3 36 |
| F 5 | 18 24 | 5 2 | 3 25 | 9 10 | 3 14 | 25 33 | 2 2 | 22 6 | 0 36 | 23 35 | 0 4 | 22 53 | 0 38 | 4 5 | 0 40 | 11 12 | 1 46 | 5 6 | 13 19 | 17 7 | 17 2 | 20 14 | 1 21 | 3 36 |
| S 6 | 18 39 | 0 33 | 4 10 | 9 9 | 3 20 | 25 34 | 2 3 | 22 13 | 0 36 | 23 35 | 0 4 | 22 53 | 0 38 | 4 5 | 0 40 | 11 13 | 1 46 | 5 6 | 13 19 | 17 9 | 17 3 | 20 14 | 1 22 | 3 36 |
| S 7 | 18 53 | 3n53 | 4 41 | 9 11 | 3 26 | 25 35 | 2 5 | 22 20 | 0 37 | 23 35 | 0 4 | 22 53 | 0 38 | 4 4 | 0 40 | 11 14 | 1 46 | 5 7 | 13 19 | 17 12 | 17 3 | 20 15 | 1 23 | 3 36 |
| M 8 | 19 7 | 8 5 | 4 58 | 9 16 | 3 30 | 25 35 | 2 6 | 22 27 | 0 37 | 23 35 | 0 4 | 22 53 | 0 37 | 4 3 | 0 40 | 11 15 | 1 46 | 5 7 | 13 19 | 17 15 | 17 4 | 20 15 | 1 24 | 3 36 |
| T 9 | 19 21 | 11 53 | 5 0 | 9 22 | 3 33 | 25 34 | 2 7 | 22 34 | 0 38 | 23 35 | 0 4 | 22 53 | 0 37 | 4 3 | 0 40 | 11 15 | 1 46 | 5 7 | 13 19 | 17 18 | 17 5 | 20 16 | 1 25 | 3 36 |
| W10 | 19 34 | 15 9 | 4 48 | 9 31 | 3 35 | 25 32 | 2 8 | 22 40 | 0 38 | 23 35 | 0 5 | 22 54 | 0 37 | 4 2 | 0 40 | 11 16 | 1 46 | 5 8 | 13 19 | 17 22 | 17 6 | 20 16 | 1 26 | 3 36 |
| T 11 | 19 47 | 17 43 | 4 24 | 9 42 | 3 37 | 25 30 | 2 9 | 22 47 | 0 39 | 23 35 | 0 5 | 22 54 | 0 37 | 4 2 | 0 40 | 11 17 | 1 46 | 5 8 | 13 19 | 17 25 | 17 7 | 20 16 | 1 27 | 3 37 |
| F 12 | 20 0 | 19 30 | 3 48 | 9 55 | 3 37 | 25 27 | 2 10 | 22 53 | 0 39 | 23 35 | 0 5 | 22 54 | 0 37 | 4 1 | 0 40 | 11 17 | 1 46 | 5 8 | 13 19 | 17 28 | 17 8 | 20 17 | 1 28 | 3 37 |
| S 13 | 20 12 | 20 25 | 3 2 | 10 10 | 3 37 | 25 23 | 2 11 | 22 59 | 0 40 | 23 35 | 0 5 | 22 54 | 0 37 | 4 0 | 0 40 | 11 18 | 1 46 | 5 9 | 13 19 | 17 30 | 17 9 | 20 17 | 1 29 | 3 37 |
| S 14 | 20 25 | 20 26 | 2 9 | 10 27 | 3 36 | 25 19 | 2 12 | 23 4 | 0 40 | 23 35 | 0 5 | 22 54 | 0 37 | 4 0 | 0 40 | 11 19 | 1 46 | 5 9 | 13 19 | 17 32 | 17 10 | 20 18 | 1 30 | 3 37 |
| M15 | 20 36 | 19 32 | 1 10 | 10 46 | 3 34 | 25 14 | 2 13 | 23 10 | 0 40 | 23 34 | 0 5 | 22 54 | 0 37 | 3 59 | 0 40 | 11 19 | 1 46 | 5 9 | 13 19 | 17 33 | 17 11 | 20 18 | 1 31 | 3 37 |
| T 16 | 20 48 | 17 47 | 0 7 | 11 6 | 3 31 | 25 8 | 2 13 | 23 15 | 0 41 | 23 34 | 0 5 | 22 55 | 0 37 | 3 59 | 0 40 | 11 20 | 1 46 | 5 9 | 13 19 | 17 33 | 17 12 | 20 19 | 1 32 | 3 37 |
| W17 | 20 59 | 15 14 | 0n57 | 11 28 | 3 28 | 25 2 | 2 14 | 23 20 | 0 41 | 23 34 | 0 5 | 22 55 | 0 36 | 3 59 | 0 40 | 11 21 | 1 46 | 5 10 | 13 19 | 17 33 | 17 12 | 20 19 | 1 32 | 3 37 |
| T 18 | 21 9 | 11 58 | 1 59 | 11 51 | 3 24 | 24 55 | 2 14 | 23 25 | 0 42 | 23 34 | 0 5 | 22 55 | 0 36 | 3 58 | 0 40 | 11 21 | 1 46 | 5 10 | 13 19 | 17 33 | 17 13 | 20 20 | 1 33 | 3 37 |
| F 19 | 21 20 | 8 6 | 2 58 | 12 16 | 3 19 | 24 47 | 2 14 | 23 30 | 0 42 | 23 34 | 0 5 | 22 55 | 0 36 | 3 58 | 0 40 | 11 22 | 1 46 | 5 10 | 13 19 | 17 33 | 17 14 | 20 20 | 1 34 | 3 37 |
| S 20 | 21 30 | 3 45 | 3 49 | 12 42 | 3 13 | 24 39 | 2 15 | 23 34 | 0 43 | 23 33 | 0 5 | 22 55 | 0 36 | 3 57 | 0 40 | 11 23 | 1 46 | 5 11 | 13 19 | 17 33 | 17 15 | 20 21 | 1 35 | 3 38 |
| S 21 | 21 39 | 0s56 | 4 29 | 13 9 | 3 7 | 24 30 | 2 15 | 23 39 | 0 43 | 23 33 | 0 6 | 22 55 | 0 36 | 3 57 | 0 40 | 11 23 | 1 47 | 5 11 | 13 19 | 17 35 | 17 16 | 20 21 | 1 35 | 3 38 |
| M22 | 21 48 | 5 44 | 4 56 | 13 37 | 3 0 | 24 20 | 2 15 | 23 43 | 0 44 | 23 33 | 0 6 | 22 55 | 0 36 | 3 56 | 0 40 | 11 24 | 1 47 | 5 11 | 13 19 | 17 36 | 17 17 | 20 21 | 1 36 | 3 38 |
| T 23 | 21 57 | 10 22 | 5 5 | 14 6 | 2 53 | 24 10 | 2 15 | 23 47 | 0 44 | 23 32 | 0 6 | 22 55 | 0 36 | 3 56 | 0 40 | 11 24 | 1 47 | 5 11 | 13 19 | 17 39 | 17 18 | 20 22 | 1 37 | 3 38 |
| W24 | 22 6 | 14 31 | 4 54 | 14 37 | 2 45 | 23 59 | 2 14 | 23 51 | 0 44 | 23 32 | 0 6 | 22 55 | 0 36 | 3 56 | 0 40 | 11 25 | 1 47 | 5 12 | 13 19 | 17 41 | 17 19 | 20 22 | 1 38 | 3 38 |
| T 25 | 22 14 | 17 49 | 4 23 | 15 7 | 2 37 | 23 48 | 2 14 | 23 54 | 0 45 | 23 32 | 0 6 | 22 55 | 0 36 | 3 55 | 0 40 | 11 26 | 1 47 | 5 12 | 13 19 | 17 43 | 17 19 | 20 23 | 1 38 | 3 38 |
| F 26 | 22 21 | 19 55 | 3 33 | 15 39 | 2 28 | 23 36 | 2 14 | 23 57 | 0 45 | 23 31 | 0 6 | 22 55 | 0 35 | 3 55 | 0 40 | 11 26 | 1 47 | 5 12 | 13 19 | 17 45 | 17 20 | 20 23 | 1 39 | 3 38 |
| S 27 | 22 29 | 20 35 | 2 28 | 16 11 | 2 19 | 23 23 | 2 13 | 24 0 | 0 46 | 23 31 | 0 6 | 22 55 | 0 35 | 3 55 | 0 40 | 11 27 | 1 47 | 5 12 | 13 19 | 17 47 | 17 21 | 20 24 | 1 40 | 3 38 |
| S 28 | 22 35 | 19 47 | 1 14 | 16 43 | 2 10 | 23 10 | 2 12 | 24 3 | 0 46 | 23 30 | 0 6 | 22 55 | 0 35 | 3 55 | 0 40 | 11 27 | 1 47 | 5 13 | 13 20 | 17 47 | 17 22 | 20 24 | 1 40 | 3 39 |
| M29 | 22 42 | 17 41 | 0s 3 | 17 16 | 2 0 | 22 56 | 2 12 | 24 6 | 0 47 | 23 30 | 0 6 | 22 55 | 0 35 | 3 54 | 0 40 | 11 28 | 1 47 | 5 13 | 13 20 | 17 48 | 17 23 | 20 24 | 1 41 | 3 39 |
| T 30 | 22 48 | 14 31 | 1 19 | 17 49 | 1 49 | 22 42 | 2 11 | 24 8 | 0 47 | 23 30 | 0 6 | 22 55 | 0 35 | 3 54 | 0 40 | 11 29 | 1 47 | 5 13 | 13 20 | 17 47 | 17 24 | 20 25 | 1 41 | 3 39 |
| W31 | 22n54 | 10s37 | 2s28 | 18n22 | 1s38 | 22n27 | 2n10 | 24n11 | 0n47 | 23n29 | 0n 6 | 22n55 | 0s35 | 3s54 | 0n40 | 11n29 | 1s47 | 5n13 | 13s20 | 17n47 | 17n25 | 20n25 | 1n42 | 3n39 |

Julian Day Number = 2227049.5, Delta T = 08m16s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°09'58, Lahiri = 15°16'59 Julian Calendar 1 May 1385 == Greg. Calendar 9 May 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## JUNE 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 10 32 | 18♊ 6'55 | 22♓10 | 0♊37 | 0♌35 | 24♊52 | 6♋19 | 1♋50 | 11°R21 | 4♉50 | 21♉11 | 10°R 3 | 11♌22 | 6♋56 | 25♓53 | T 1 |
| F 2 | 17 14 28 | 19° 4'10 | 5♈17 | 2°24 | 1°41 | 25°32 | 6°32 | 1°57 | 11♎20 | 4°51 | 21°12 | 10♌ 1 | 11°18 | 7° 3 | 25°54 | F 2 |
| S 3 | 17 18 25 | 20° 1'24 | 18° 6 | 4°14 | 2°48 | 26°12 | 6°45 | 2° 5 | 11°20 | 4°53 | 21°13 | 9°58 | 11°15 | 7° 9 | 25°55 | S 3 |
| S 4 | 17 22 21 | 20°58'37 | 0♉40 | 6° 6 | 3°54 | 26°51 | 6°58 | 2°13 | 11°20 | 4°55 | 21°15 | 9°53 | 11°12 | 7°16 | 25°56 | S 4 |
| M 5 | 17 26 18 | 21°55'51 | 13° 2 | 8° 1 | 5° 0 | 27°31 | 7°11 | 2°20 | 11°19 | 4°57 | 21°16 | 9°45 | 11° 9 | 7°23 | 25°57 | M 5 |
| T 6 | 17 30 15 | 22°53'05 | 25°14 | 9°59 | 6° 5 | 28°11 | 7°25 | 2°28 | 11°19 | 4°58 | 21°17 | 9°37 | 11° 6 | 7°30 | 25°58 | T 6 |
| W 7 | 17 34 11 | 23°50'18 | 7♊17 | 11°58 | 7°11 | 28°50 | 7°38 | 2°36 | 11°19 | 5° 0 | 21°18 | 9°29 | 11° 2 | 7°36 | 25°58 | W 7 |
| T 8 | 17 38 8 | 24°47'31 | 19°14 | 14° 0 | 8°17 | 29°30 | 7°51 | 2°44 | 11°19 | 5° 1 | 21°19 | 9°21 | 10°59 | 7°43 | 25°59 | T 8 |
| F 9 | 17 42 4 | 25°44'44 | 1♋ 6 | 16° 4 | 9°22 | 0♋10 | 8° 4 | 2°52 | 11°18 | 5° 3 | 21°20 | 9°14 | 10°56 | 7°50 | 26° 0 | F 9 |
| S 10 | 17 46 1 | 26°41'57 | 12°54 | 18°10 | 10°27 | 0°49 | 8°18 | 2°59 | 11°18 | 5° 5 | 21°22 | 9° 9 | 10°53 | 7°56 | 26° 0 | S 10 |
| S 11 | 17 49 57 | 27°39'10 | 24°42 | 20°17 | 11°32 | 1°29 | 8°31 | 3° 7 | 11°D18 | 5° 6 | 21°23 | 9° 6 | 10°50 | 8° 3 | 26° 1 | S 11 |
| M12 | 17 53 54 | 28°36'22 | 6♌31 | 22°25 | 12°36 | 2° 8 | 8°45 | 3°15 | 11°18 | 5° 8 | 21°24 | 9°D 5 | 10°47 | 8°10 | 26° 1 | M12 |
| T 13 | 17 57 51 | 29°33'34 | 18°25 | 24°35 | 13°41 | 2°48 | 8°58 | 3°23 | 11°19 | 5° 9 | 21°25 | 9° 5 | 10°43 | 8°16 | 26° 2 | T 13 |
| W14 | 18 1 47 | 0♍30'45 | 0♍27 | 26°45 | 14°45 | 3°27 | 9°11 | 3°31 | 11°19 | 5°11 | 21°26 | 9° 6 | 10°40 | 8°23 | 26° 2 | W14 |
| T 15 | 18 5 44 | 1°27'56 | 12°43 | 28°55 | 15°49 | 4° 7 | 9°25 | 3°38 | 11°19 | 5°12 | 21°27 | 9° 8 | 10°37 | 8°30 | 26° 3 | T 15 |
| F 16 | 18 9 40 | 2°25'07 | 25°15 | 1♋ 6 | 16°53 | 4°46 | 9°38 | 3°46 | 11°19 | 5°13 | 21°28 | 9° 9 | 10°34 | 8°36 | 26° 3 | F 16 |
| S 17 | 18 13 37 | 3°22'18 | 8♎ 9 | 3°16 | 17°56 | 5°25 | 9°52 | 3°54 | 11°19 | 5°15 | 21°29 | 9°R 9 | 10°31 | 8°43 | 26° 3 | S 17 |
| S 18 | 18 17 33 | 4°19'28 | 21°29 | 5°26 | 18°59 | 6° 5 | 10° 5 | 4° 2 | 11°20 | 5°16 | 21°30 | 9° 8 | 10°28 | 8°50 | 26° 3 | S 18 |
| M19 | 18 21 30 | 5°16'38 | 5♏17 | 7°35 | 20° 2 | 6°44 | 10°18 | 4°10 | 11°20 | 5°18 | 21°31 | 9° 5 | 10°24 | 8°56 | 26° 3 | M19 |
| T 20 | 18 25 26 | 6°13'48 | 19°32 | 9°44 | 21° 5 | 7°23 | 10°32 | 4°17 | 11°21 | 5°19 | 21°32 | 9° 1 | 10°21 | 9° 3 | 26° 3 | T 20 |
| W21 | 18 29 23 | 7°10'58 | 4♐13 | 11°51 | 22° 8 | 8° 2 | 10°45 | 4°25 | 11°21 | 5°20 | 21°33 | 8°57 | 10°18 | 9°10 | 26°R 3 | W21 |
| T 22 | 18 33 20 | 8° 8'08 | 19°14 | 13°57 | 23°10 | 8°42 | 10°59 | 4°33 | 11°22 | 5°21 | 21°34 | 8°53 | 10°15 | 9°16 | 26° 3 | T 22 |
| F 23 | 18 37 16 | 9° 5'18 | 4♑27 | 16° 2 | 24°12 | 9°21 | 11°12 | 4°41 | 11°22 | 5°23 | 21°35 | 8°49 | 10°12 | 9°23 | 26° 3 | F 23 |
| S 24 | 18 41 13 | 10° 2'29 | 19°41 | 18° 5 | 25°13 | 10° 0 | 11°26 | 4°49 | 11°23 | 5°24 | 21°36 | 8°47 | 10° 8 | 9°30 | 26° 3 | S 24 |
| S 25 | 18 45 9 | 10°59'39 | 4♒46 | 20° 7 | 26°15 | 10°39 | 11°39 | 4°57 | 11°24 | 5°25 | 21°37 | 8°D46 | 10° 5 | 9°36 | 26° 3 | S 25 |
| M26 | 18 49 6 | 11°56'50 | 19°35 | 22° 7 | 27°16 | 11°18 | 11°53 | 5° 4 | 11°25 | 5°26 | 21°38 | 8°46 | 10° 2 | 9°43 | 26° 3 | M26 |
| T 27 | 18 53 2 | 12°54'02 | 4♓ 2 | 24° 5 | 28°16 | 11°57 | 12° 6 | 5°12 | 11°25 | 5°27 | 21°39 | 8°47 | 9°59 | 9°50 | 26° 2 | T 27 |
| W28 | 18 56 59 | 13°51'14 | 18° 2 | 26° 2 | 29°16 | 12°36 | 12°19 | 5°20 | 11°26 | 5°28 | 21°40 | 8°49 | 9°56 | 9°56 | 26° 2 | W28 |
| T 29 | 19 0 55 | 14°48'27 | 1♈37 | 27°56 | 0♍16 | 13°15 | 12°33 | 5°28 | 11°27 | 5°29 | 21°41 | 8°50 | 9°53 | 10° 3 | 26° 2 | T 29 |
| F 30 | 19 4 52 | 15♋45'40 | 14♈46 | 29♋49 | 1♍16 | 13♋54 | 12♋46 | 5♋35 | 11♎28 | 5♉30 | 21♉42 | 8°R50 | 9♌49 | 10♋10 | 26♓ 1 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n59 | 6s17 | 3s27 | 18n55 | 1s28 | 22n11 | 2n 9 | 24n13 | 0n48 | 23n29 | 0n 7 | 22n55 | 0s35 | 3s54 | 0n40 | 11n30 | 1s47 | 5n14 | 13s20 | 17n47 | 17n26 | 20n25 | 1n43 | 3n39 |
| F 2 | 23 4 | 1 46 | 4 13 | 19 28 | 1 16 | 21 55 | 2 7 | 24 15 | 0 48 | 23 28 | 0 7 | 22 55 | 0 35 | 3 54 | 0 39 | 11 30 | 1 47 | 5 14 | 13 20 | 17 48 | 17 27 | 20 26 | 1 43 | 3 39 |
| S 3 | 23 8 | 2n43 | 4 46 | 20 0 | 1 5 | 21 39 | 2 6 | 24 16 | 0 48 | 23 27 | 0 7 | 22 55 | 0 35 | 3 54 | 0 39 | 11 31 | 1 47 | 5 14 | 13 20 | 17 48 | 17 27 | 20 26 | 1 44 | 3 39 |
| S 4 | 23 13 | 7 0 | 5 4 | 20 31 | 0 54 | 21 22 | 2 5 | 24 18 | 0 49 | 23 27 | 0 7 | 22 55 | 0 35 | 3 53 | 0 39 | 11 31 | 1 47 | 5 14 | 13 20 | 17 50 | 17 28 | 20 27 | 1 44 | 3 40 |
| M 5 | 23 16 | 10 55 | 5 7 | 21 1 | 0 42 | 21 4 | 2 3 | 24 19 | 0 49 | 23 26 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 32 | 1 47 | 5 14 | 13 20 | 17 52 | 17 29 | 20 27 | 1 45 | 3 40 |
| T 6 | 23 20 | 14 20 | 4 56 | 21 31 | 0 31 | 20 46 | 2 1 | 24 20 | 0 50 | 23 26 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 32 | 1 47 | 5 15 | 13 20 | 17 54 | 17 30 | 20 27 | 1 45 | 3 40 |
| W 7 | 23 22 | 17 7 | 4 32 | 21 59 | 0 19 | 20 28 | 2 0 | 24 21 | 0 50 | 23 25 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 33 | 1 47 | 5 15 | 13 20 | 17 56 | 17 31 | 20 28 | 1 45 | 3 40 |
| T 8 | 23 25 | 19 9 | 3 57 | 22 26 | 0 8 | 20 9 | 1 58 | 24 21 | 0 50 | 23 24 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 33 | 1 47 | 5 15 | 13 21 | 17 58 | 17 32 | 20 28 | 1 46 | 3 40 |
| F 9 | 23 27 | 20 20 | 3 11 | 22 51 | 0n 3 | 19 49 | 1 55 | 24 22 | 0 51 | 23 24 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 34 | 1 47 | 5 15 | 13 21 | 18 0 | 17 33 | 20 28 | 1 46 | 3 40 |
| S 10 | 23 29 | 20 37 | 2 17 | 23 14 | 0 14 | 19 30 | 1 53 | 24 22 | 0 51 | 23 23 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 34 | 1 47 | 5 15 | 13 21 | 18 2 | 17 34 | 20 29 | 1 47 | 3 40 |
| S 11 | 23 30 | 19 59 | 1 17 | 23 34 | 0 25 | 19 9 | 1 51 | 24 22 | 0 52 | 23 22 | 0 7 | 22 55 | 0 34 | 3 53 | 0 39 | 11 35 | 1 47 | 5 15 | 13 21 | 18 2 | 17 34 | 20 29 | 1 47 | 3 41 |
| M12 | 23 31 | 18 29 | 0 14 | 23 53 | 0 35 | 18 49 | 1 48 | 24 22 | 0 52 | 23 21 | 0 8 | 22 55 | 0 34 | 3 53 | 0 39 | 11 35 | 1 47 | 5 16 | 13 21 | 18 3 | 17 35 | 20 29 | 1 47 | 3 41 |
| T 13 | 23 31 | 16 10 | 0n51 | 24 9 | 0 45 | 18 28 | 1 46 | 24 22 | 0 52 | 23 20 | 0 8 | 22 55 | 0 34 | 3 53 | 0 39 | 11 36 | 1 47 | 5 16 | 13 21 | 18 3 | 17 36 | 20 30 | 1 48 | 3 41 |
| W14 | 23 31 | 13 7 | 1 54 | 24 22 | 0 54 | 18 6 | 1 43 | 24 21 | 0 53 | 23 20 | 0 8 | 22 55 | 0 34 | 3 53 | 0 39 | 11 36 | 1 47 | 5 16 | 13 21 | 18 2 | 17 37 | 20 30 | 1 48 | 3 41 |
| T 15 | 23 31 | 9 28 | 2 53 | 24 33 | 1 2 | 17 45 | 1 40 | 24 20 | 0 53 | 23 19 | 0 8 | 22 55 | 0 33 | 3 54 | 0 39 | 11 37 | 1 48 | 5 16 | 13 22 | 18 2 | 17 38 | 20 30 | 1 48 | 3 41 |
| F 16 | 23 30 | 5 20 | 3 46 | 24 41 | 1 10 | 17 22 | 1 37 | 24 19 | 0 53 | 23 18 | 0 8 | 22 54 | 0 33 | 3 54 | 0 39 | 11 37 | 1 48 | 5 16 | 13 22 | 18 2 | 17 39 | 20 31 | 1 48 | 3 41 |
| S 17 | 23 28 | 0 52 | 4 28 | 24 46 | 1 18 | 17 0 | 1 34 | 24 18 | 0 54 | 23 17 | 0 8 | 22 54 | 0 33 | 3 54 | 0 39 | 11 37 | 1 48 | 5 16 | 13 22 | 18 2 | 17 40 | 20 31 | 1 49 | 3 41 |
| S 18 | 23 27 | 3s48 | 4 58 | 24 49 | 1 24 | 16 37 | 1 31 | 24 17 | 0 54 | 23 16 | 0 8 | 22 54 | 0 33 | 3 54 | 0 39 | 11 38 | 1 48 | 5 16 | 13 22 | 18 2 | 17 40 | 20 31 | 1 49 | 3 42 |
| M19 | 23 25 | 8 25 | 5 12 | 24 48 | 1 30 | 16 14 | 1 28 | 24 15 | 0 54 | 23 15 | 0 8 | 22 54 | 0 33 | 3 54 | 0 39 | 11 38 | 1 48 | 5 16 | 13 22 | 18 3 | 17 41 | 20 32 | 1 49 | 3 42 |
| T 20 | 23 22 | 12 44 | 5 7 | 24 45 | 1 35 | 15 51 | 1 24 | 24 13 | 0 55 | 23 14 | 0 8 | 22 54 | 0 33 | 3 54 | 0 39 | 11 39 | 1 48 | 5 16 | 13 22 | 18 4 | 17 42 | 20 32 | 1 49 | 3 42 |
| W21 | 23 19 | 16 25 | 4 43 | 24 39 | 1 40 | 15 27 | 1 20 | 24 11 | 0 55 | 23 13 | 0 8 | 22 54 | 0 33 | 3 55 | 0 39 | 11 39 | 1 48 | 5 17 | 13 22 | 18 5 | 17 43 | 20 32 | 1 49 | 3 42 |
| T 22 | 23 16 | 19 7 | 3 59 | 24 30 | 1 43 | 15 3 | 1 17 | 24 9 | 0 55 | 23 12 | 0 9 | 22 53 | 0 33 | 3 55 | 0 39 | 11 39 | 1 48 | 5 17 | 13 23 | 18 6 | 17 44 | 20 33 | 1 49 | 3 42 |
| F 23 | 23 12 | 20 29 | 2 57 | 24 19 | 1 46 | 14 39 | 1 13 | 24 7 | 0 56 | 23 11 | 0 9 | 22 53 | 0 33 | 3 55 | 0 39 | 11 40 | 1 48 | 5 17 | 13 23 | 18 7 | 17 45 | 20 33 | 1 50 | 3 42 |
| S 24 | 23 8 | 20 22 | 1 43 | 24 5 | 1 49 | 14 14 | 1 9 | 24 4 | 0 56 | 23 10 | 0 9 | 22 53 | 0 33 | 3 56 | 0 39 | 11 40 | 1 48 | 5 17 | 13 23 | 18 7 | 17 46 | 20 33 | 1 50 | 3 42 |
| S 25 | 23 4 | 18 47 | 0 22 | 23 49 | 1 50 | 13 49 | 1 5 | 24 2 | 0 56 | 23 9 | 0 9 | 22 53 | 0 33 | 3 56 | 0 39 | 11 40 | 1 48 | 5 17 | 13 23 | 18 8 | 17 46 | 20 34 | 1 50 | 3 43 |
| M26 | 22 59 | 15 56 | 0s59 | 23 31 | 1 51 | 13 24 | 1 0 | 23 59 | 0 57 | 23 8 | 0 9 | 22 53 | 0 33 | 3 56 | 0 39 | 11 41 | 1 48 | 5 17 | 13 23 | 18 8 | 17 47 | 20 34 | 1 50 | 3 43 |
| T 27 | 22 53 | 12 9 | 2 15 | 23 11 | 1 51 | 12 59 | 0 56 | 23 55 | 0 57 | 23 7 | 0 9 | 22 52 | 0 32 | 3 57 | 0 38 | 11 41 | 1 48 | 5 17 | 13 24 | 18 7 | 17 48 | 20 34 | 1 50 | 3 43 |
| W28 | 22 48 | 7 48 | 3 20 | 22 49 | 1 50 | 12 34 | 0 51 | 23 52 | 0 57 | 23 6 | 0 9 | 22 52 | 0 32 | 3 57 | 0 38 | 11 41 | 1 48 | 5 17 | 13 24 | 18 7 | 17 49 | 20 34 | 1 50 | 3 43 |
| T 29 | 22 42 | 3 12 | 4 11 | 22 25 | 1 49 | 12 8 | 0 46 | 23 49 | 0 58 | 23 5 | 0 9 | 22 52 | 0 32 | 3 57 | 0 38 | 11 42 | 1 48 | 5 17 | 13 24 | 18 7 | 17 50 | 20 35 | 1 50 | 3 43 |
| F 30 | 22n35 | 1n25 | 4s48 | 22n 0 | 1n47 | 11n42 | 0n41 | 23n45 | 0n58 | 23n 3 | 0n 9 | 22n52 | 0s32 | 3s58 | 0n38 | 11n42 | 1s48 | 5n17 | 13s24 | 18n 6 | 17n51 | 20n35 | 1n50 | 3n43 |

Julian Day Number = 2227080.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'02, Lahiri = 15°17'03 Julian Calendar 1 June 1385 == Greg. Calendar 9 June 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## JULY 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 8 49 | 16♋42'54 | 27♈34 | 1♌41 | 2♍15 | 14♋33 | 13♋ 0 | 5♋43 | 11♎29 | 5♉31 | 21♉43 | 8°R50 | 9♌46 | 10♋16 | 26°R 1 | S 1 |
| S 2 | 19 12 45 | 17°40'09 | 10♉ 4 | 3°30 | 3°14 | 15°12 | 13°13 | 5°51 | 11°30 | 5°32 | 21°43 | 8♌48 | 9°43 | 10°23 | 26♓ 0 | S 2 |
| M 3 | 19 16 42 | 18°37'25 | 22°19 | 5°17 | 4°13 | 15°51 | 13°27 | 5°59 | 11°31 | 5°33 | 21°44 | 8°46 | 9°40 | 10°30 | 25°59 | M 3 |
| T 4 | 19 20 38 | 19°34'41 | 4♊23 | 7° 3 | 5°11 | 16°30 | 13°40 | 6° 6 | 11°33 | 5°34 | 21°45 | 8°44 | 9°37 | 10°36 | 25°59 | T 4 |
| W 5 | 19 24 35 | 20°31'58 | 16°18 | 8°47 | 6° 9 | 17° 9 | 13°53 | 6°14 | 11°34 | 5°35 | 21°46 | 8°41 | 9°34 | 10°43 | 25°58 | W 5 |
| T 6 | 19 28 31 | 21°29'16 | 28° 9 | 10°29 | 7° 6 | 17°48 | 14° 7 | 6°22 | 11°35 | 5°36 | 21°47 | 8°38 | 9°30 | 10°49 | 25°57 | T 6 |
| F 7 | 19 32 28 | 22°26'35 | 9♋58 | 12°10 | 8° 3 | 18°27 | 14°20 | 6°29 | 11°36 | 5°37 | 21°47 | 8°36 | 9°27 | 10°56 | 25°56 | F 7 |
| S 8 | 19 36 24 | 23°23'55 | 21°46 | 13°48 | 8°59 | 19° 6 | 14°34 | 6°37 | 11°38 | 5°38 | 21°48 | 8°34 | 9°24 | 11° 3 | 25°56 | S 8 |
| S 9 | 19 40 21 | 24°21'15 | 3♌36 | 15°25 | 9°55 | 19°44 | 14°47 | 6°45 | 11°39 | 5°38 | 21°49 | 8°D34 | 9°21 | 11° 9 | 25°55 | S 9 |
| M10 | 19 44 18 | 25°18'36 | 15°31 | 17° 0 | 10°51 | 20°23 | 15° 0 | 6°52 | 11°41 | 5°39 | 21°50 | 8°34 | 9°18 | 11°16 | 25°54 | M10 |
| T 11 | 19 48 14 | 26°15'58 | 27°33 | 18°33 | 11°46 | 21° 2 | 15°14 | 7° 0 | 11°42 | 5°40 | 21°50 | 8°34 | 9°14 | 11°23 | 25°53 | T 11 |
| W12 | 19 52 11 | 27°13'20 | 9♍43 | 20° 4 | 12°40 | 21°41 | 15°27 | 7° 7 | 11°44 | 5°40 | 21°51 | 8°35 | 9°11 | 11°29 | 25°52 | W12 |
| T 13 | 19 56 7 | 28°10'42 | 22° 6 | 21°34 | 13°34 | 22°19 | 15°40 | 7°15 | 11°45 | 5°41 | 21°52 | 8°36 | 9° 8 | 11°36 | 25°50 | T 13 |
| F 14 | 20 0 4 | 29° 8'06 | 4♎44 | 23° 2 | 14°28 | 22°58 | 15°54 | 7°22 | 11°47 | 5°42 | 21°52 | 8°37 | 9° 5 | 11°43 | 25°49 | F 14 |
| S 15 | 20 4 0 | 0♌ 5'30 | 17°40 | 24°28 | 15°20 | 23°37 | 16° 7 | 7°30 | 11°49 | 5°42 | 21°53 | 8°38 | 9° 2 | 11°49 | 25°48 | S 15 |
| S 16 | 20 7 57 | 1° 2'55 | 0♏57 | 25°52 | 16°13 | 24°15 | 16°20 | 7°37 | 11°51 | 5°43 | 21°53 | 8°R38 | 8°59 | 11°56 | 25°47 | S 16 |
| M17 | 20 11 53 | 2° 0'20 | 14°37 | 27°14 | 17° 4 | 24°54 | 16°33 | 7°44 | 11°52 | 5°43 | 21°54 | 8°38 | 8°55 | 12° 3 | 25°45 | M17 |
| T 18 | 20 15 50 | 2°57'46 | 28°41 | 28°34 | 17°55 | 25°33 | 16°46 | 7°52 | 11°54 | 5°44 | 21°55 | 8°37 | 8°52 | 12° 9 | 25°44 | T 18 |
| W19 | 20 19 47 | 3°55'13 | 13♐ 8 | 29°52 | 18°45 | 26°11 | 16°59 | 7°59 | 11°56 | 5°44 | 21°55 | 8°37 | 8°49 | 12°16 | 25°43 | W19 |
| T 20 | 20 23 43 | 4°52'41 | 27°54 | 1♑ 8 | 19°35 | 26°50 | 17°13 | 8° 6 | 11°58 | 5°45 | 21°56 | 8°36 | 8°46 | 12°23 | 25°41 | T 20 |
| F 21 | 20 27 40 | 5°50'09 | 12♑54 | 2°22 | 20°24 | 27°28 | 17°26 | 8°14 | 12° 0 | 5°45 | 21°56 | 8°36 | 8°43 | 12°29 | 25°40 | F 21 |
| S 22 | 20 31 36 | 6°47'39 | 28° 0 | 3°34 | 21°12 | 28° 7 | 17°39 | 8°21 | 12° 2 | 5°45 | 21°57 | 8°36 | 8°40 | 12°36 | 25°38 | S 22 |
| S 23 | 20 35 33 | 7°45'09 | 13♒ 3 | 4°44 | 21°59 | 28°45 | 17°52 | 8°28 | 12° 4 | 5°46 | 21°57 | 8°D36 | 8°36 | 12°43 | 25°36 | S 23 |
| M24 | 20 39 29 | 8°42'41 | 27°54 | 5°51 | 22°46 | 29°24 | 18° 5 | 8°35 | 12° 6 | 5°46 | 21°57 | 8°R36 | 8°33 | 12°49 | 25°35 | M24 |
| T 25 | 20 43 26 | 9°40'14 | 12♓26 | 6°56 | 23°31 | 0♌ 2 | 18°18 | 8°42 | 12° 9 | 5°46 | 21°58 | 8°36 | 8°30 | 12°56 | 25°33 | T 25 |
| W26 | 20 47 22 | 10°37'48 | 26°35 | 7°58 | 24°16 | 0°41 | 18°31 | 8°49 | 12°11 | 5°46 | 21°58 | 8°36 | 8°27 | 13° 3 | 25°31 | W26 |
| T 27 | 20 51 19 | 11°35'24 | 10♈17 | 8°58 | 25° 0 | 1°19 | 18°43 | 8°56 | 12°13 | 5°46 | 21°59 | 8°35 | 8°24 | 13° 9 | 25°30 | T 27 |
| F 28 | 20 55 16 | 12°33'01 | 23°33 | 9°55 | 25°43 | 1°58 | 18°56 | 9° 3 | 12°15 | 5°47 | 21°59 | 8°35 | 8°20 | 13°16 | 25°28 | F 28 |
| S 29 | 20 59 12 | 13°30'40 | 6♉25 | 10°49 | 26°25 | 2°36 | 19° 9 | 9°10 | 12°18 | 5°47 | 21°59 | 8°35 | 8°17 | 13°23 | 25°26 | S 29 |
| S 30 | 21 3 9 | 14°28'20 | 18°55 | 11°41 | 27° 6 | 3°14 | 19°22 | 9°17 | 12°20 | 5°47 | 22° 0 | 8°D35 | 8°14 | 13°29 | 25°24 | S 30 |
| M31 | 21 7 5 | 15♌26'02 | 1♊ 9 | 12♍29 | 27♍46 | 3♌53 | 19♋35 | 9♋24 | 12♎22 | 5♉47 | 22♉ 0 | 8♌35 | 8♌11 | 13♋36 | 25♓22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | | |
| S 1 | 22n28 | 5n50 | 5s 9 | 21n33 | 1n45 | 11n16 | 0n36 | 23n41 | 0n58 | 23n 2 | 0n 9 | 22n51 | 0s32 | 3s58 | 0n38 | 11n42 | 1s48 | 5n17 | 13s24 | 18n 7 | 17n52 | 20n35 | 1n49 | 3n43 | | S 1 |
| S 2 | 22 21 | 9 54 | 5 15 | 21 5 | 1 42 | 10 50 | 0 31 | 23 37 | 0 59 | 23 1 | 0 9 | 22 51 | 0 32 | 3 59 | 0 38 | 11 42 | 1 48 | 5 17 | 13 24 | 18 7 | 17 52 | 20 35 | 1 49 | 3 43 | | S 2 |
| M 3 | 22 13 | 13 28 | 5 6 | 20 36 | 1 38 | 10 24 | 0 26 | 23 33 | 0 59 | 23 0 | 0 10 | 22 51 | 0 32 | 3 59 | 0 38 | 11 43 | 1 49 | 5 17 | 13 25 | 18 8 | 17 53 | 20 36 | 1 49 | 3 44 | | M 3 |
| T 4 | 22 5 | 16 26 | 4 44 | 20 5 | 1 34 | 9 58 | 0 20 | 23 28 | 0 59 | 22 58 | 0 10 | 22 51 | 0 32 | 4 0 | 0 38 | 11 43 | 1 49 | 5 17 | 13 25 | 18 8 | 17 54 | 20 36 | 1 49 | 3 44 | | T 4 |
| W 5 | 21 57 | 18 40 | 4 10 | 19 34 | 1 30 | 9 31 | 0 15 | 23 24 | 0 59 | 22 57 | 0 10 | 22 50 | 0 32 | 4 0 | 0 38 | 11 43 | 1 49 | 5 17 | 13 25 | 18 9 | 17 55 | 20 36 | 1 49 | 3 44 | | W 5 |
| T 6 | 21 48 | 20 5 | 3 25 | 19 2 | 1 25 | 9 4 | 0 9 | 23 19 | 1 0 | 22 56 | 0 10 | 22 50 | 0 32 | 4 1 | 0 38 | 11 43 | 1 49 | 5 17 | 13 25 | 18 10 | 17 56 | 20 36 | 1 49 | 3 44 | | T 6 |
| F 7 | 21 39 | 20 37 | 2 32 | 18 28 | 1 19 | 8 38 | 0 3 | 23 14 | 1 0 | 22 54 | 0 10 | 22 50 | 0 32 | 4 1 | 0 38 | 11 44 | 1 49 | 5 17 | 13 25 | 18 10 | 17 57 | 20 37 | 1 48 | 3 44 | | F 7 |
| S 8 | 21 29 | 20 15 | 1 32 | 17 54 | 1 13 | 8 11 | 0s 3 | 23 9 | 1 0 | 22 53 | 0 10 | 22 49 | 0 32 | 4 2 | 0 38 | 11 44 | 1 49 | 5 17 | 13 26 | 18 11 | 17 58 | 20 37 | 1 48 | 3 44 | | S 8 |
| S 9 | 21 19 | 18 58 | 0 27 | 17 20 | 1 7 | 7 44 | 0 9 | 23 4 | 1 1 | 22 52 | 0 10 | 22 49 | 0 32 | 4 2 | 0 38 | 11 44 | 1 49 | 5 17 | 13 26 | 18 11 | 17 58 | 20 37 | 1 48 | 3 44 | | S 9 |
| M10 | 21 9 | 16 51 | 0n39 | 16 45 | 1 0 | 7 17 | 0 15 | 22 58 | 1 1 | 22 50 | 0 10 | 22 49 | 0 32 | 4 3 | 0 38 | 11 44 | 1 49 | 5 17 | 13 26 | 18 11 | 17 59 | 20 37 | 1 48 | 3 44 | | M10 |
| T 11 | 20 58 | 13 59 | 1 43 | 16 9 | 0 53 | 6 50 | 0 22 | 22 52 | 1 1 | 22 49 | 0 10 | 22 49 | 0 31 | 4 4 | 0 38 | 11 44 | 1 49 | 5 17 | 13 26 | 18 11 | 18 0 | 20 38 | 1 47 | 3 45 | | T 11 |
| W12 | 20 47 | 10 29 | 2 44 | 15 34 | 0 46 | 6 23 | 0 28 | 22 47 | 1 2 | 22 48 | 0 10 | 22 48 | 0 31 | 4 4 | 0 38 | 11 45 | 1 49 | 5 17 | 13 27 | 18 10 | 18 1 | 20 38 | 1 47 | 3 45 | | W12 |
| T 13 | 20 36 | 6 30 | 3 39 | 14 58 | 0 38 | 5 56 | 0 35 | 22 41 | 1 2 | 22 46 | 0 11 | 22 48 | 0 31 | 4 5 | 0 38 | 11 45 | 1 49 | 5 17 | 13 27 | 18 10 | 18 2 | 20 38 | 1 47 | 3 45 | | T 13 |
| F 14 | 20 24 | 2 9 | 4 24 | 14 21 | 0 30 | 5 29 | 0 42 | 22 34 | 1 2 | 22 45 | 0 11 | 22 48 | 0 31 | 4 6 | 0 38 | 11 45 | 1 49 | 5 17 | 13 27 | 18 10 | 18 3 | 20 38 | 1 46 | 3 45 | | F 14 |
| S 15 | 20 12 | 2s23 | 4 57 | 13 45 | 0 21 | 5 3 | 0 49 | 22 28 | 1 2 | 22 43 | 0 11 | 22 47 | 0 31 | 4 6 | 0 38 | 11 45 | 1 49 | 5 17 | 13 27 | 18 10 | 18 3 | 20 38 | 1 46 | 3 45 | | S 15 |
| S 16 | 19 59 | 6 55 | 5 15 | 13 8 | 0 13 | 4 36 | 0 56 | 22 22 | 1 3 | 22 42 | 0 11 | 22 47 | 0 31 | 4 7 | 0 38 | 11 45 | 1 49 | 5 17 | 13 27 | 18 10 | 18 4 | 20 39 | 1 46 | 3 45 | | S 16 |
| M17 | 19 47 | 11 15 | 5 16 | 12 32 | 0 4 | 4 9 | 1 4 | 22 15 | 1 3 | 22 40 | 0 11 | 22 46 | 0 31 | 4 8 | 0 38 | 11 45 | 1 49 | 5 16 | 13 28 | 18 10 | 18 5 | 20 39 | 1 45 | 3 45 | | M17 |
| T 18 | 19 34 | 15 5 | 4 58 | 11 55 | 0s 6 | 3 42 | 1 11 | 22 8 | 1 3 | 22 39 | 0 11 | 22 46 | 0 31 | 4 9 | 0 38 | 11 45 | 1 49 | 5 16 | 13 28 | 18 10 | 18 6 | 20 39 | 1 45 | 3 45 | | T 18 |
| W19 | 19 20 | 18 7 | 4 22 | 11 19 | 0 15 | 3 15 | 1 19 | 22 1 | 1 3 | 22 37 | 0 11 | 22 46 | 0 31 | 4 9 | 0 38 | 11 45 | 1 49 | 5 16 | 13 28 | 18 10 | 18 7 | 20 39 | 1 44 | 3 46 | | W19 |
| T 20 | 19 6 | 20 3 | 3 27 | 10 43 | 0 25 | 2 49 | 1 26 | 21 54 | 1 4 | 22 36 | 0 11 | 22 45 | 0 31 | 4 10 | 0 38 | 11 45 | 1 50 | 5 16 | 13 28 | 18 10 | 18 8 | 20 39 | 1 44 | 3 46 | | T 20 |
| F 21 | 18 52 | 20 36 | 2 18 | 10 7 | 0 35 | 2 22 | 1 34 | 21 47 | 1 4 | 22 34 | 0 11 | 22 45 | 0 31 | 4 11 | 0 38 | 11 45 | 1 50 | 5 16 | 13 29 | 18 10 | 18 8 | 20 40 | 1 43 | 3 46 | | F 21 |
| S 22 | 18 38 | 19 40 | 0 59 | 9 32 | 0 45 | 1 56 | 1 42 | 21 39 | 1 4 | 22 32 | 0 12 | 22 45 | 0 31 | 4 12 | 0 38 | 11 46 | 1 50 | 5 16 | 13 29 | 18 10 | 18 9 | 20 40 | 1 43 | 3 46 | | S 22 |
| S 23 | 18 23 | 17 21 | 0s25 | 8 57 | 0 55 | 1 30 | 1 51 | 21 32 | 1 4 | 22 31 | 0 12 | 22 44 | 0 31 | 4 13 | 0 37 | 11 46 | 1 50 | 5 16 | 13 29 | 18 10 | 18 10 | 20 40 | 1 42 | 3 46 | | S 23 |
| M24 | 18 8 | 13 53 | 1 45 | 8 23 | 1 5 | 1 4 | 1 59 | 21 24 | 1 5 | 22 29 | 0 12 | 22 44 | 0 31 | 4 14 | 0 37 | 11 46 | 1 50 | 5 16 | 13 29 | 18 10 | 18 11 | 20 40 | 1 42 | 3 46 | | M24 |
| T 25 | 17 53 | 9 39 | 2 57 | 7 49 | 1 16 | 0 38 | 2 7 | 21 16 | 1 5 | 22 27 | 0 12 | 22 43 | 0 31 | 4 14 | 0 37 | 11 46 | 1 50 | 5 16 | 13 30 | 18 10 | 18 12 | 20 40 | 1 41 | 3 46 | | T 25 |
| W26 | 17 38 | 4 59 | 3 56 | 7 16 | 1 27 | 0 12 | 2 16 | 21 8 | 1 5 | 22 26 | 0 12 | 22 43 | 0 30 | 4 15 | 0 37 | 11 46 | 1 50 | 5 15 | 13 30 | 18 10 | 18 13 | 20 40 | 1 40 | 3 46 | | W26 |
| T 27 | 17 22 | 0 12 | 4 40 | 6 44 | 1 37 | 0s13 | 2 25 | 21 0 | 1 5 | 22 24 | 0 12 | 22 43 | 0 30 | 4 16 | 0 37 | 11 46 | 1 50 | 5 15 | 13 30 | 18 10 | 18 13 | 20 41 | 1 40 | 3 46 | | T 27 |
| F 28 | 17 6 | 4n25 | 5 7 | 6 12 | 1 48 | 0 39 | 2 34 | 20 51 | 1 6 | 22 22 | 0 12 | 22 42 | 0 30 | 4 17 | 0 37 | 11 46 | 1 50 | 5 15 | 13 30 | 18 10 | 18 14 | 20 41 | 1 39 | 3 46 | | F 28 |
| S 29 | 16 49 | 8 42 | 5 17 | 5 42 | 1 59 | 1 4 | 2 43 | 20 43 | 1 6 | 22 21 | 0 12 | 22 42 | 0 30 | 4 18 | 0 37 | 11 46 | 1 50 | 5 15 | 13 31 | 18 11 | 18 15 | 20 41 | 1 38 | 3 46 | | S 29 |
| S 30 | 16 33 | 12 30 | 5 13 | 5 12 | 2 10 | 1 28 | 2 52 | 20 34 | 1 6 | 22 19 | 0 12 | 22 41 | 0 30 | 4 19 | 0 37 | 11 46 | 1 50 | 5 15 | 13 31 | 18 11 | 18 16 | 20 41 | 1 38 | 3 47 | | S 30 |
| M31 | 16n16 | 15n40 | 4s53 | 4n44 | 2s21 | 1s53 | 3s 1 | 20n25 | 1n 6 | 22n17 | 0n12 | 22n41 | 0s30 | 4s20 | 0n37 | 11n45 | 1s50 | 5n15 | 13s31 | 18n10 | 18n17 | 20n41 | 1n37 | 3n47 | | M31 |

Julian Day Number = 2227110.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'02, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'06, Lahiri = 15°17'07 Julian Calendar 1 July 1385 == Greg. Calendar 9 July 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## AUGUST 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 11 2 | 16♌23'46 | 13♊10 | 13♍13 | 28♍25 | 4♌31 | 19♋47 | 9♋31 | 12♎25 | 5°R47 | 22♉ 0 | 8♌36 | 8♌ 8 | 13♋43 | 25°R20 | T 1 |
| W 2 | 21 14 58 | 17°21'31 | 25° 2 | 13°54 | 29° 3 | 5°10 | 20° 0 | 9°38 | 12°27 | 5♉47 | 22° 1 | 8°37 | 8° 5 | 13°49 | 25♓18 | W 2 |
| T 3 | 21 18 55 | 18°19'18 | 6♋51 | 14°31 | 29°40 | 5°48 | 20°13 | 9°45 | 12°30 | 5°47 | 22° 1 | 8°38 | 8° 1 | 13°56 | 25°16 | T 3 |
| F 4 | 21 22 51 | 19°17'06 | 18°39 | 15° 5 | 0♎15 | 6°26 | 20°25 | 9°51 | 12°33 | 5°47 | 22° 1 | 8°38 | 7°58 | 14° 3 | 25°14 | F 4 |
| S 5 | 21 26 48 | 20°14'56 | 0♌30 | 15°34 | 0°49 | 7° 4 | 20°38 | 9°58 | 12°35 | 5°46 | 22° 1 | 8°39 | 7°55 | 14° 9 | 25°12 | S 5 |
| S 6 | 21 30 45 | 21°12'48 | 12°27 | 15°58 | 1°22 | 7°43 | 20°50 | 10° 4 | 12°38 | 5°46 | 22° 1 | 8°R39 | 7°52 | 14°16 | 25°10 | S 6 |
| M 7 | 21 34 41 | 22°10'41 | 24°31 | 16°18 | 1°54 | 8°21 | 21° 2 | 10°11 | 12°41 | 5°46 | 22° 2 | 8°39 | 7°49 | 14°23 | 25° 7 | M 7 |
| T 8 | 21 38 38 | 23° 8'36 | 6♍45 | 16°33 | 2°24 | 8°59 | 21°15 | 10°17 | 12°43 | 5°46 | 22° 2 | 8°37 | 7°45 | 14°29 | 25° 5 | T 8 |
| W 9 | 21 42 34 | 24° 6'32 | 19°10 | 16°43 | 2°53 | 9°38 | 21°27 | 10°24 | 12°46 | 5°46 | 22° 2 | 8°35 | 7°42 | 14°36 | 25° 3 | W 9 |
| T 10 | 21 46 31 | 25° 4'29 | 1♎48 | 16°R47 | 3°20 | 10°16 | 21°39 | 10°30 | 12°49 | 5°45 | 22° 2 | 8°33 | 7°39 | 14°43 | 25° 1 | T 10 |
| F 11 | 21 50 27 | 26° 2'28 | 14°40 | 16°45 | 3°45 | 10°54 | 21°52 | 10°36 | 12°52 | 5°45 | 22° 2 | 8°31 | 7°36 | 14°49 | 24°58 | F 11 |
| S 12 | 21 54 24 | 27° 0'29 | 27°46 | 16°38 | 4° 9 | 11°32 | 22° 4 | 10°43 | 12°55 | 5°45 | 22° 2 | 8°28 | 7°33 | 14°56 | 24°56 | S 12 |
| S 13 | 21 58 20 | 27°58'30 | 11♏ 8 | 16°24 | 4°31 | 12°10 | 22°16 | 10°49 | 12°58 | 5°44 | 22° 2 | 8°27 | 7°30 | 15° 3 | 24°53 | S 13 |
| M14 | 22 2 17 | 28°56'33 | 24°46 | 16° 4 | 4°52 | 12°48 | 22°28 | 10°55 | 13° 0 | 5°44 | 22°R 2 | 8°D26 | 7°26 | 15° 9 | 24°51 | M14 |
| T 15 | 22 6 14 | 29°54'38 | 8♐42 | 15°38 | 5°10 | 13°27 | 22°40 | 11° 1 | 13° 3 | 5°43 | 22° 2 | 8°26 | 7°23 | 15°16 | 24°49 | T 15 |
| W16 | 22 10 10 | 0♑52'44 | 22°54 | 15° 6 | 5°27 | 14° 5 | 22°52 | 11° 7 | 13° 6 | 5°43 | 22° 2 | 8°27 | 7°20 | 15°23 | 24°46 | W16 |
| T 17 | 22 14 7 | 1°50'52 | 7♒20 | 14°28 | 5°42 | 14°43 | 23° 3 | 11°13 | 13° 9 | 5°42 | 22° 2 | 8°29 | 7°17 | 15°29 | 24°44 | T 17 |
| F 18 | 22 18 3 | 2°49'00 | 21°58 | 13°45 | 5°55 | 15°21 | 23°15 | 11°19 | 13°13 | 5°42 | 22° 2 | 8°30 | 7°14 | 15°36 | 24°41 | F 18 |
| S 19 | 22 22 0 | 3°47'11 | 6♓43 | 12°56 | 6° 5 | 15°59 | 23°27 | 11°25 | 13°16 | 5°41 | 22° 2 | 8°R30 | 7°11 | 15°42 | 24°39 | S 19 |
| S 20 | 22 25 56 | 4°45'23 | 21°28 | 12° 3 | 6°14 | 16°37 | 23°38 | 11°30 | 13°19 | 5°41 | 22° 2 | 8°30 | 7° 7 | 15°49 | 24°36 | S 20 |
| M21 | 22 29 53 | 5°43'37 | 6♈ 8 | 11° 7 | 6°20 | 17°15 | 23°50 | 11°36 | 13°22 | 5°40 | 22° 1 | 8°28 | 7° 4 | 15°56 | 24°33 | M21 |
| T 22 | 22 33 49 | 6°41'52 | 20°34 | 10° 8 | 6°24 | 17°53 | 24° 1 | 11°42 | 13°25 | 5°39 | 22° 1 | 8°25 | 7° 1 | 16° 2 | 24°31 | T 22 |
| W23 | 22 37 46 | 7°40'09 | 4♈41 | 9° 8 | 6°R26 | 18°31 | 24°13 | 11°47 | 13°28 | 5°39 | 22° 1 | 8°21 | 6°58 | 16° 9 | 24°28 | W23 |
| T 24 | 22 41 42 | 8°38'28 | 18°25 | 8° 7 | 6°26 | 19° 9 | 24°24 | 11°53 | 13°32 | 5°38 | 22° 1 | 8°16 | 6°55 | 16°16 | 24°26 | T 24 |
| F 25 | 22 45 39 | 9°36'50 | 1♉44 | 7° 9 | 6°23 | 19°47 | 24°35 | 11°58 | 13°35 | 5°37 | 22° 1 | 8°12 | 6°51 | 16°22 | 24°23 | F 25 |
| S 26 | 22 49 36 | 10°35'13 | 14°39 | 6°12 | 6°18 | 20°25 | 24°47 | 12° 3 | 13°38 | 5°36 | 22° 0 | 8° 8 | 6°48 | 16°29 | 24°20 | S 26 |
| S 27 | 22 53 32 | 11°33'39 | 27°13 | 5°21 | 6°10 | 21° 3 | 24°58 | 12° 9 | 13°41 | 5°36 | 22° 0 | 8° 6 | 6°45 | 16°36 | 24°18 | S 27 |
| M28 | 22 57 29 | 12°32'07 | 9♊27 | 4°34 | 6° 0 | 21°41 | 25° 9 | 12°14 | 13°45 | 5°35 | 22° 0 | 8°D 5 | 6°42 | 16°42 | 24°15 | M28 |
| T 29 | 23 1 25 | 13°30'37 | 21°28 | 3°54 | 5°48 | 22°19 | 25°20 | 12°19 | 13°48 | 5°34 | 22° 0 | 8° 5 | 6°39 | 16°49 | 24°12 | T 29 |
| W30 | 23 5 22 | 14°29'09 | 3♋20 | 3°22 | 5°33 | 22°57 | 25°30 | 12°24 | 13°52 | 5°33 | 21°59 | 8° 6 | 6°36 | 16°56 | 24° 9 | W30 |
| T 31 | 23 9 18 | 15♍27'43 | 15♋ 9 | 2♍59 | 5♎16 | 23♌35 | 25♋41 | 12♋29 | 13♎55 | 5♉32 | 21♉59 | 8♌ 8 | 6♌32 | 17♋ 2 | 24♓ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n58 | 18n 7 | 4s22 | 4n17 | 2s32 | 2s17 | 3s10 | 20n16 | 1n 7 | 22n16 | 0n13 | 22n40 | 0s30 | 4s21 | 0n37 | 11n45 | 1s50 | 5n14 | 13s31 | 18n10 | 18n18 | 20n41 | 1n36 | 3n47 |
| W 2 | 15 41 | 19 46 | 3 39 | 3 51 | 2 42 | 2 41 | 3 20 | 20 7 | 1 7 | 22 14 | 0 13 | 22 40 | 0 30 | 4 22 | 0 37 | 11 45 | 1 50 | 5 14 | 13 32 | 18 10 | 18 18 | 20 41 | 1 36 | 3 47 |
| T 3 | 15 23 | 20 33 | 2 48 | 3 27 | 2 53 | 3 4 | 3 30 | 19 58 | 1 7 | 22 12 | 0 13 | 22 40 | 0 30 | 4 23 | 0 37 | 11 45 | 1 50 | 5 14 | 13 32 | 18 10 | 18 19 | 20 42 | 1 35 | 3 47 |
| F 4 | 15 5 | 20 25 | 1 49 | 3 5 | 3 3 | 3 27 | 3 39 | 19 49 | 1 7 | 22 10 | 0 13 | 22 39 | 0 30 | 4 24 | 0 37 | 11 45 | 1 50 | 5 14 | 13 32 | 18 10 | 18 20 | 20 42 | 1 34 | 3 47 |
| S 5 | 14 47 | 19 23 | 0 45 | 2 44 | 3 13 | 3 50 | 3 49 | 19 39 | 1 7 | 22 9 | 0 13 | 22 39 | 0 30 | 4 25 | 0 37 | 11 45 | 1 51 | 5 14 | 13 32 | 18 9 | 18 21 | 20 42 | 1 33 | 3 47 |
| S 6 | 14 29 | 17 28 | 0n21 | 2 26 | 3 23 | 4 12 | 3 59 | 19 29 | 1 8 | 22 7 | 0 13 | 22 38 | 0 30 | 4 26 | 0 37 | 11 45 | 1 51 | 5 13 | 13 33 | 18 9 | 18 22 | 20 42 | 1 32 | 3 47 |
| M 7 | 14 10 | 14 45 | 1 27 | 2 10 | 3 33 | 4 34 | 4 9 | 19 20 | 1 8 | 22 5 | 0 13 | 22 38 | 0 30 | 4 27 | 0 37 | 11 45 | 1 51 | 5 13 | 13 33 | 18 10 | 18 23 | 20 42 | 1 32 | 3 47 |
| T 8 | 13 51 | 11 22 | 2 29 | 1 55 | 3 42 | 4 55 | 4 19 | 19 10 | 1 8 | 22 3 | 0 13 | 22 37 | 0 30 | 4 28 | 0 37 | 11 45 | 1 51 | 5 13 | 13 33 | 18 10 | 18 23 | 20 42 | 1 31 | 3 47 |
| W 9 | 13 32 | 7 27 | 3 26 | 1 44 | 3 50 | 5 16 | 4 30 | 19 0 | 1 8 | 22 1 | 0 14 | 22 37 | 0 30 | 4 30 | 0 37 | 11 45 | 1 51 | 5 13 | 13 33 | 18 10 | 18 24 | 20 42 | 1 30 | 3 47 |
| T 10 | 13 12 | 3 9 | 4 13 | 1 35 | 3 58 | 5 36 | 4 40 | 18 50 | 1 8 | 22 0 | 0 14 | 22 37 | 0 30 | 4 31 | 0 37 | 11 44 | 1 51 | 5 13 | 13 34 | 18 11 | 18 25 | 20 42 | 1 29 | 3 47 |
| F 11 | 12 53 | 1s21 | 4 49 | 1 29 | 4 5 | 5 56 | 4 50 | 18 39 | 1 9 | 21 58 | 0 14 | 22 36 | 0 30 | 4 32 | 0 37 | 11 44 | 1 51 | 5 12 | 13 34 | 18 12 | 18 26 | 20 42 | 1 28 | 3 47 |
| S 12 | 12 33 | 5 53 | 5 10 | 1 26 | 4 11 | 6 15 | 5 1 | 18 29 | 1 9 | 21 56 | 0 14 | 22 36 | 0 30 | 4 33 | 0 37 | 11 44 | 1 51 | 5 12 | 13 34 | 18 12 | 18 27 | 20 42 | 1 27 | 3 47 |
| S 13 | 12 13 | 10 13 | 5 15 | 1 27 | 4 16 | 6 33 | 5 11 | 18 18 | 1 9 | 21 54 | 0 14 | 22 35 | 0 29 | 4 34 | 0 37 | 11 44 | 1 51 | 5 12 | 13 34 | 18 13 | 18 27 | 20 43 | 1 26 | 3 47 |
| M14 | 11 53 | 14 7 | 5 3 | 1 31 | 4 20 | 6 51 | 5 22 | 18 8 | 1 9 | 21 52 | 0 14 | 22 35 | 0 29 | 4 35 | 0 37 | 11 44 | 1 51 | 5 12 | 13 35 | 18 13 | 18 28 | 20 43 | 1 25 | 3 47 |
| T 15 | 11 32 | 17 20 | 4 33 | 1 38 | 4 23 | 7 8 | 5 32 | 17 57 | 1 9 | 21 50 | 0 14 | 22 34 | 0 29 | 4 36 | 0 37 | 11 44 | 1 51 | 5 11 | 13 35 | 18 13 | 18 29 | 20 43 | 1 24 | 3 47 |
| W16 | 11 12 | 19 34 | 3 46 | 1 49 | 4 25 | 7 25 | 5 43 | 17 46 | 1 10 | 21 49 | 0 14 | 22 34 | 0 29 | 4 38 | 0 37 | 11 43 | 1 51 | 5 11 | 13 35 | 18 13 | 18 30 | 20 43 | 1 24 | 3 47 |
| T 17 | 10 51 | 20 36 | 2 43 | 2 4 | 4 25 | 7 40 | 5 53 | 17 35 | 1 10 | 21 47 | 0 14 | 22 33 | 0 29 | 4 39 | 0 37 | 11 43 | 1 51 | 5 11 | 13 35 | 18 12 | 18 31 | 20 43 | 1 23 | 3 47 |
| F 18 | 10 30 | 20 14 | 1 30 | 2 22 | 4 23 | 7 55 | 6 4 | 17 24 | 1 10 | 21 45 | 0 15 | 22 33 | 0 29 | 4 40 | 0 37 | 11 43 | 1 51 | 5 11 | 13 36 | 18 12 | 18 32 | 20 43 | 1 22 | 3 47 |
| S 19 | 10 9 | 18 30 | 0 10 | 2 44 | 4 19 | 8 8 | 6 14 | 17 13 | 1 10 | 21 43 | 0 15 | 22 33 | 0 29 | 4 41 | 0 37 | 11 43 | 1 51 | 5 10 | 13 36 | 18 12 | 18 32 | 20 43 | 1 21 | 3 47 |
| S 20 | 9 48 | 15 30 | 1s11 | 3 9 | 4 14 | 8 21 | 6 24 | 17 2 | 1 10 | 21 41 | 0 15 | 22 32 | 0 29 | 4 43 | 0 37 | 11 42 | 1 51 | 5 10 | 13 36 | 18 12 | 18 33 | 20 43 | 1 20 | 3 47 |
| M21 | 9 26 | 11 33 | 2 26 | 3 38 | 4 6 | 8 33 | 6 34 | 16 50 | 1 11 | 21 39 | 0 15 | 22 32 | 0 29 | 4 44 | 0 37 | 11 42 | 1 51 | 5 10 | 13 36 | 18 12 | 18 34 | 20 43 | 1 19 | 3 47 |
| T 22 | 9 5 | 6 59 | 3 31 | 4 9 | 3 57 | 8 44 | 6 45 | 16 39 | 1 11 | 21 37 | 0 15 | 22 31 | 0 29 | 4 45 | 0 37 | 11 42 | 1 52 | 5 10 | 13 37 | 18 13 | 18 35 | 20 43 | 1 18 | 3 47 |
| W23 | 8 43 | 2 7 | 4 21 | 4 42 | 3 45 | 8 54 | 6 54 | 16 27 | 1 11 | 21 35 | 0 15 | 22 31 | 0 29 | 4 46 | 0 37 | 11 42 | 1 52 | 5 9 | 13 37 | 18 14 | 18 36 | 20 43 | 1 16 | 3 47 |
| T 24 | 8 21 | 2n42 | 4 54 | 5 16 | 3 32 | 9 2 | 7 4 | 16 15 | 1 11 | 21 34 | 0 15 | 22 30 | 0 29 | 4 48 | 0 37 | 11 41 | 1 52 | 5 9 | 13 37 | 18 15 | 18 36 | 20 43 | 1 15 | 3 47 |
| F 25 | 7 59 | 7 15 | 5 11 | 5 52 | 3 17 | 9 10 | 7 13 | 16 3 | 1 11 | 21 32 | 0 15 | 22 30 | 0 29 | 4 49 | 0 37 | 11 41 | 1 52 | 5 9 | 13 37 | 18 17 | 18 37 | 20 43 | 1 14 | 3 47 |
| S 26 | 7 37 | 11 20 | 5 11 | 6 28 | 3 1 | 9 16 | 7 23 | 15 51 | 1 11 | 21 30 | 0 16 | 22 29 | 0 29 | 4 50 | 0 36 | 11 41 | 1 52 | 5 8 | 13 38 | 18 17 | 18 38 | 20 43 | 1 13 | 3 47 |
| S 27 | 7 15 | 14 48 | 4 56 | 7 3 | 2 43 | 9 21 | 7 31 | 15 39 | 1 12 | 21 28 | 0 16 | 22 29 | 0 29 | 4 52 | 0 36 | 11 40 | 1 52 | 5 8 | 13 38 | 18 18 | 18 39 | 20 43 | 1 12 | 3 47 |
| M28 | 6 53 | 17 32 | 4 27 | 7 37 | 2 25 | 9 25 | 7 40 | 15 27 | 1 12 | 21 26 | 0 16 | 22 29 | 0 29 | 4 53 | 0 36 | 11 40 | 1 52 | 5 8 | 13 38 | 18 18 | 18 40 | 20 43 | 1 11 | 3 47 |
| T 29 | 6 30 | 19 27 | 3 48 | 8 10 | 2 6 | 9 28 | 7 48 | 15 15 | 1 12 | 21 24 | 0 16 | 22 28 | 0 29 | 4 54 | 0 36 | 11 40 | 1 52 | 5 8 | 13 38 | 18 18 | 18 40 | 20 43 | 1 10 | 3 47 |
| W30 | 6 8 | 20 30 | 2 59 | 8 39 | 1 46 | 9 29 | 7 55 | 15 3 | 1 12 | 21 22 | 0 16 | 22 28 | 0 29 | 4 56 | 0 36 | 11 39 | 1 52 | 5 7 | 13 39 | 18 18 | 18 41 | 20 43 | 1 9 | 3 47 |
| T 31 | 5n45 | 20n38 | 2s 2 | 9n 6 | 1s26 | 9s28 | 8s 2 | 14n50 | 1n12 | 21n20 | 0n16 | 22n27 | 0s29 | 4s57 | 0n36 | 11n39 | 1s52 | 5n 7 | 13s39 | 18n18 | 18n42 | 20n43 | 1n 8 | 3n47 |

Julian Day Number = 2227141.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'11, Lahiri = 15°17'11 Julian Calendar 1 Aug. 1385 == Greg. Calendar 9 Aug. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## SEPTEMBER 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 13 15 | 16♍26'20 | 26♋58 | 2°R44 | 4°R57 | 24♌13 | 25♋52 | 12♋34 | 13♎58 | 5°R31 | 21°R59 | 8♌ 9 | 6♌29 | 17♋ 9 | 24°R 4 | F 1 |
| S 2 | 23 17 11 | 17°24'58 | 8♌53 | 2°D39 | 4♎36 | 24°51 | 26° 2 | 12°38 | 14° 2 | 5♉30 | 21♉58 | 8°R10 | 6°26 | 17°16 | 24♓ 1 | S 2 |
| S 3 | 23 21 8 | 18°23'39 | 20°56 | 2♍44 | 4°12 | 25°29 | 26°13 | 12°43 | 14° 5 | 5°29 | 21°58 | 8° 9 | 6°23 | 17°22 | 23°58 | S 3 |
| M 4 | 23 25 5 | 19°22'22 | 3♍12 | 2°58 | 3°46 | 26° 7 | 26°23 | 12°48 | 14° 9 | 5°28 | 21°57 | 8° 6 | 6°20 | 17°29 | 23°56 | M 4 |
| T 5 | 23 29 1 | 20°21'07 | 15°42 | 3°22 | 3°19 | 26°45 | 26°34 | 12°52 | 14°12 | 5°27 | 21°57 | 8° 2 | 6°17 | 17°36 | 23°53 | T 5 |
| W 6 | 23 32 58 | 21°19'54 | 28°26 | 3°55 | 2°50 | 27°22 | 26°44 | 12°57 | 14°16 | 5°26 | 21°56 | 7°55 | 6°13 | 17°42 | 23°50 | W 6 |
| T 7 | 23 36 54 | 22°18'43 | 11♎25 | 4°37 | 2°19 | 28° 0 | 26°54 | 13° 1 | 14°19 | 5°25 | 21°56 | 7°48 | 6°10 | 17°49 | 23°47 | T 7 |
| F 8 | 23 40 51 | 23°17'34 | 24°38 | 5°28 | 1°46 | 28°38 | 27° 4 | 13° 5 | 14°23 | 5°24 | 21°55 | 7°40 | 6° 7 | 17°56 | 23°44 | F 8 |
| S 9 | 23 44 47 | 24°16'26 | 8♏ 4 | 6°26 | 1°12 | 29°16 | 27°14 | 13° 9 | 14°27 | 5°23 | 21°55 | 7°32 | 6° 4 | 18° 2 | 23°42 | S 9 |
| S 10 | 23 48 44 | 25°15'21 | 21°42 | 7°32 | 0°38 | 29°54 | 27°24 | 13°13 | 14°30 | 5°21 | 21°54 | 7°26 | 6° 1 | 18° 9 | 23°39 | S 10 |
| M11 | 23 52 40 | 26°14'17 | 5♐29 | 8°44 | 0° 2 | 0♍32 | 27°33 | 13°17 | 14°34 | 5°20 | 21°54 | 7°22 | 5°57 | 18°16 | 23°36 | M11 |
| T 12 | 23 56 37 | 27°13'16 | 19°25 | 10° 2 | 29♍26 | 1° 9 | 27°43 | 13°21 | 14°37 | 5°19 | 21°53 | 7°20 | 5°54 | 18°22 | 23°33 | T 12 |
| W13 | 0 0 34 | 28°12'16 | 3♑29 | 11°25 | 28°49 | 1°47 | 27°53 | 13°25 | 14°41 | 5°18 | 21°53 | 7°D20 | 5°51 | 18°29 | 23°30 | W13 |
| T 14 | 0 4 30 | 29°11'17 | 17°39 | 12°52 | 28°12 | 2°25 | 28° 2 | 13°29 | 14°45 | 5°16 | 21°52 | 7°21 | 5°48 | 18°35 | 23°28 | T 14 |
| F 15 | 0 8 27 | 0♎10'21 | 1♒56 | 14°23 | 27°35 | 3° 3 | 28°11 | 13°32 | 14°48 | 5°15 | 21°51 | 7°R22 | 5°45 | 18°42 | 23°25 | F 15 |
| S 16 | 0 12 23 | 1° 9'26 | 16°15 | 15°58 | 26°59 | 3°40 | 28°20 | 13°36 | 14°52 | 5°14 | 21°51 | 7°22 | 5°42 | 18°49 | 23°22 | S 16 |
| S 17 | 0 16 20 | 2° 8'33 | 0♓35 | 17°35 | 26°23 | 4°18 | 28°29 | 13°39 | 14°56 | 5°12 | 21°50 | 7°20 | 5°38 | 18°55 | 23°19 | S 17 |
| M18 | 0 20 16 | 3° 7'42 | 14°51 | 19°14 | 25°48 | 4°56 | 28°38 | 13°43 | 15° 0 | 5°11 | 21°49 | 7°15 | 5°35 | 19° 2 | 23°17 | M18 |
| T 19 | 0 24 13 | 4° 6'53 | 28°57 | 20°56 | 25°14 | 5°34 | 28°47 | 13°46 | 15° 3 | 5°10 | 21°49 | 7° 8 | 5°32 | 19° 9 | 23°14 | T 19 |
| W20 | 0 28 9 | 5° 6'05 | 12♈51 | 22°38 | 24°41 | 6°11 | 28°56 | 13°49 | 15° 7 | 5° 8 | 21°48 | 6°59 | 5°29 | 19°15 | 23°11 | W20 |
| T 21 | 0 32 6 | 6° 5'20 | 26°26 | 24°22 | 24°10 | 6°49 | 29° 4 | 13°52 | 15°11 | 5° 7 | 21°47 | 6°49 | 5°26 | 19°22 | 23° 8 | T 21 |
| F 22 | 0 36 2 | 7° 4'38 | 9♉41 | 26° 6 | 23°40 | 7°27 | 29°13 | 13°55 | 15°14 | 5° 5 | 21°46 | 6°39 | 5°22 | 19°29 | 23° 6 | F 22 |
| S 23 | 0 39 59 | 8° 3'57 | 22°34 | 27°50 | 23°12 | 8° 4 | 29°21 | 13°58 | 15°18 | 5° 4 | 21°46 | 6°29 | 5°19 | 19°35 | 23° 3 | S 23 |
| S 24 | 0 43 56 | 9° 3'19 | 5♊ 7 | 29°35 | 22°46 | 8°42 | 29°29 | 14° 1 | 15°22 | 5° 3 | 21°45 | 6°22 | 5°16 | 19°42 | 23° 0 | S 24 |
| M25 | 0 47 52 | 10° 2'43 | 17°23 | 1♎21 | 22°22 | 9°20 | 29°37 | 14° 3 | 15°26 | 5° 1 | 21°44 | 6°17 | 5°13 | 19°49 | 22°58 | M25 |
| T 26 | 0 51 49 | 11° 2'09 | 29°24 | 3° 6 | 22° 1 | 9°57 | 29°45 | 14° 6 | 15°30 | 5° 0 | 21°43 | 6°14 | 5°10 | 19°55 | 22°55 | T 26 |
| W27 | 0 55 45 | 12° 1'38 | 11♋16 | 4°50 | 21°41 | 10°35 | 29°53 | 14° 8 | 15°33 | 4°58 | 21°43 | 6°D14 | 5° 7 | 20° 2 | 22°53 | W27 |
| T 28 | 0 59 42 | 13° 1'09 | 23° 4 | 6°35 | 21°24 | 11°13 | 0♌ 1 | 14°11 | 15°37 | 4°56 | 21°42 | 6°14 | 5° 3 | 20° 9 | 22°50 | T 28 |
| F 29 | 1 3 38 | 14° 0'42 | 4♌54 | 8°19 | 21°10 | 11°50 | 0° 8 | 14°13 | 15°41 | 4°55 | 21°41 | 6°R14 | 5° 0 | 20°15 | 22°47 | F 29 |
| S 30 | 1 7 35 | 15♎ 0'18 | 16♌51 | 10♎ 3 | 20♍57 | 12♍28 | 0♌16 | 14♋15 | 15♎45 | 4♉53 | 21♉40 | 6♌14 | 4♌57 | 20♋22 | 22♓45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n22 | 19n50 | 1s 1 | 9n30 | 1s 7 | 9s27 | 8s 9 | 14n38 | 1n12 | 21n19 | 0n16 | 22n27 | 0s29 | 4s58 | 0n36 | 11n39 | 1s52 | 5n 7 | 13s39 | 18n17 | 18n43 | 20n43 | 1n 7 | 3n47 |
| S 2 | 4 59 | 18 10 | 0n 4 | 9 50 | 0 47 | 9 23 | 8 15 | 14 25 | 1 13 | 21 17 | 0 17 | 22 27 | 0 28 | 5 0 | 0 36 | 11 38 | 1 52 | 5 6 | 13 39 | 18 17 | 18 44 | 20 43 | 1 6 | 3 47 |
| S 3 | 4 36 | 15 39 | 1 9 | 10 5 | 0 29 | 9 19 | 8 20 | 14 13 | 1 13 | 21 15 | 0 17 | 22 26 | 0 28 | 5 1 | 0 36 | 11 38 | 1 52 | 5 6 | 13 39 | 18 17 | 18 44 | 20 43 | 1 4 | 3 47 |
| M 4 | 4 13 | 12 25 | 2 12 | 10 17 | 0 11 | 9 13 | 8 25 | 14 0 | 1 13 | 21 13 | 0 17 | 22 26 | 0 28 | 5 2 | 0 36 | 11 37 | 1 52 | 5 6 | 13 40 | 18 18 | 18 45 | 20 43 | 1 3 | 3 47 |
| T 5 | 3 50 | 8 34 | 3 9 | 10 24 | 0n 6 | 9 5 | 8 28 | 13 47 | 1 13 | 21 11 | 0 17 | 22 25 | 0 28 | 5 4 | 0 36 | 11 37 | 1 52 | 5 5 | 13 40 | 18 19 | 18 46 | 20 43 | 1 2 | 3 47 |
| W 6 | 3 27 | 4 16 | 3 59 | 10 26 | 0 21 | 8 56 | 8 32 | 13 34 | 1 13 | 21 9 | 0 17 | 22 25 | 0 28 | 5 5 | 0 36 | 11 37 | 1 52 | 5 5 | 13 40 | 18 21 | 18 47 | 20 43 | 1 1 | 3 47 |
| T 7 | 3 4 | 0s18 | 4 36 | 10 24 | 0 36 | 8 46 | 8 34 | 13 21 | 1 13 | 21 8 | 0 17 | 22 25 | 0 28 | 5 7 | 0 36 | 11 36 | 1 52 | 5 5 | 13 40 | 18 23 | 18 48 | 20 43 | 1 0 | 3 47 |
| F 8 | 2 40 | 4 55 | 5 0 | 10 18 | 0 49 | 8 34 | 8 35 | 13 8 | 1 13 | 21 6 | 0 17 | 22 24 | 0 28 | 5 8 | 0 36 | 11 36 | 1 52 | 5 4 | 13 41 | 18 25 | 18 48 | 20 43 | 0 59 | 3 47 |
| S 9 | 2 17 | 9 23 | 5 8 | 10 7 | 1 1 | 8 21 | 8 36 | 12 55 | 1 14 | 21 4 | 0 17 | 22 24 | 0 28 | 5 9 | 0 36 | 11 35 | 1 52 | 5 4 | 13 41 | 18 27 | 18 49 | 20 43 | 0 57 | 3 47 |
| S 10 | 1 53 | 13 26 | 4 59 | 9 53 | 1 12 | 8 7 | 8 35 | 12 42 | 1 14 | 21 2 | 0 18 | 22 24 | 0 28 | 5 11 | 0 36 | 11 35 | 1 52 | 5 4 | 13 41 | 18 28 | 18 50 | 20 43 | 0 56 | 3 47 |
| M11 | 1 30 | 16 49 | 4 32 | 9 35 | 1 21 | 7 52 | 8 34 | 12 28 | 1 14 | 21 0 | 0 18 | 22 23 | 0 28 | 5 12 | 0 36 | 11 35 | 1 53 | 5 3 | 13 41 | 18 29 | 18 51 | 20 43 | 0 55 | 3 47 |
| T 12 | 1 7 | 19 17 | 3 49 | 9 13 | 1 29 | 7 35 | 8 31 | 12 15 | 1 14 | 20 59 | 0 18 | 22 23 | 0 28 | 5 14 | 0 36 | 11 34 | 1 53 | 5 3 | 13 41 | 18 30 | 18 51 | 20 43 | 0 54 | 3 47 |
| W13 | 0 43 | 20 36 | 2 52 | 8 48 | 1 36 | 7 18 | 8 28 | 12 2 | 1 14 | 20 57 | 0 18 | 22 23 | 0 28 | 5 15 | 0 36 | 11 34 | 1 53 | 5 3 | 13 42 | 18 30 | 18 52 | 20 43 | 0 53 | 3 46 |
| T 14 | 0 19 | 20 38 | 1 44 | 8 19 | 1 42 | 6 59 | 8 24 | 11 48 | 1 14 | 20 55 | 0 18 | 22 22 | 0 28 | 5 16 | 0 36 | 11 33 | 1 53 | 5 2 | 13 42 | 18 30 | 18 53 | 20 43 | 0 52 | 3 46 |
| F 15 | 0s 4 | 19 19 | 0 29 | 7 48 | 1 47 | 6 40 | 8 19 | 11 34 | 1 14 | 20 54 | 0 18 | 22 22 | 0 28 | 5 18 | 0 36 | 11 33 | 1 53 | 5 2 | 13 42 | 18 29 | 18 54 | 20 43 | 0 50 | 3 46 |
| S 16 | 0 28 | 16 46 | 0s48 | 7 15 | 1 50 | 6 20 | 8 13 | 11 21 | 1 14 | 20 52 | 0 19 | 22 22 | 0 28 | 5 19 | 0 36 | 11 32 | 1 53 | 5 2 | 13 42 | 18 29 | 18 55 | 20 43 | 0 49 | 3 46 |
| S 17 | 0 51 | 13 12 | 2 1 | 6 39 | 1 53 | 5 59 | 8 6 | 11 7 | 1 14 | 20 50 | 0 19 | 22 21 | 0 28 | 5 21 | 0 36 | 11 32 | 1 53 | 5 1 | 13 42 | 18 30 | 18 55 | 20 42 | 0 48 | 3 46 |
| M18 | 1 15 | 8 52 | 3 7 | 6 2 | 1 55 | 5 38 | 7 58 | 10 53 | 1 15 | 20 48 | 0 19 | 22 21 | 0 28 | 5 22 | 0 36 | 11 31 | 1 53 | 5 1 | 13 43 | 18 31 | 18 56 | 20 42 | 0 47 | 3 46 |
| T 19 | 1 38 | 4 5 | 4 0 | 5 23 | 1 55 | 5 17 | 7 50 | 10 40 | 1 15 | 20 47 | 0 19 | 22 21 | 0 28 | 5 24 | 0 36 | 11 31 | 1 53 | 5 1 | 13 43 | 18 33 | 18 57 | 20 42 | 0 46 | 3 46 |
| W20 | 2 2 | 0n49 | 4 38 | 4 42 | 1 55 | 4 56 | 7 41 | 10 26 | 1 15 | 20 45 | 0 19 | 22 20 | 0 28 | 5 25 | 0 36 | 11 30 | 1 53 | 5 0 | 13 43 | 18 35 | 18 58 | 20 42 | 0 44 | 3 46 |
| T 21 | 2 26 | 5 35 | 5 0 | 4 0 | 1 55 | 4 34 | 7 31 | 10 12 | 1 15 | 20 44 | 0 19 | 22 20 | 0 28 | 5 27 | 0 36 | 11 30 | 1 53 | 5 0 | 13 43 | 18 38 | 18 58 | 20 42 | 0 43 | 3 46 |
| F 22 | 2 49 | 9 57 | 5 4 | 3 17 | 1 53 | 4 13 | 7 20 | 9 58 | 1 15 | 20 42 | 0 19 | 22 20 | 0 28 | 5 28 | 0 36 | 11 29 | 1 53 | 5 0 | 13 43 | 18 40 | 18 59 | 20 42 | 0 42 | 3 46 |
| S 23 | 3 13 | 13 45 | 4 53 | 2 34 | 1 51 | 3 51 | 7 9 | 9 44 | 1 15 | 20 40 | 0 20 | 22 20 | 0 27 | 5 30 | 0 36 | 11 29 | 1 53 | 4 59 | 13 43 | 18 43 | 19 0 | 20 42 | 0 41 | 3 45 |
| S 24 | 3 36 | 16 50 | 4 27 | 1 49 | 1 48 | 3 31 | 6 57 | 9 30 | 1 15 | 20 39 | 0 20 | 22 19 | 0 27 | 5 31 | 0 36 | 11 28 | 1 53 | 4 59 | 13 44 | 18 45 | 19 1 | 20 42 | 0 40 | 3 45 |
| M25 | 3 59 | 19 6 | 3 50 | 1 4 | 1 45 | 3 10 | 6 45 | 9 16 | 1 15 | 20 37 | 0 20 | 22 19 | 0 27 | 5 32 | 0 36 | 11 28 | 1 53 | 4 58 | 13 44 | 18 46 | 19 2 | 20 42 | 0 39 | 3 45 |
| T 26 | 4 23 | 20 28 | 3 3 | 0 19 | 1 42 | 2 50 | 6 33 | 9 1 | 1 15 | 20 36 | 0 20 | 22 19 | 0 27 | 5 34 | 0 36 | 11 27 | 1 53 | 4 58 | 13 44 | 18 46 | 19 2 | 20 42 | 0 37 | 3 45 |
| W27 | 4 46 | 20 54 | 2 9 | 0s26 | 1 38 | 2 31 | 6 20 | 8 47 | 1 15 | 20 34 | 0 20 | 22 19 | 0 27 | 5 35 | 0 36 | 11 27 | 1 53 | 4 58 | 13 44 | 18 47 | 19 3 | 20 41 | 0 36 | 3 45 |
| T 28 | 5 9 | 20 24 | 1 10 | 1 12 | 1 33 | 2 12 | 6 7 | 8 33 | 1 16 | 20 33 | 0 20 | 22 19 | 0 27 | 5 37 | 0 36 | 11 26 | 1 53 | 4 57 | 13 44 | 18 47 | 19 4 | 20 41 | 0 35 | 3 45 |
| F 29 | 5 33 | 18 59 | 0 7 | 1 57 | 1 29 | 1 54 | 5 53 | 8 19 | 1 16 | 20 31 | 0 21 | 22 18 | 0 27 | 5 38 | 0 36 | 11 26 | 1 53 | 4 57 | 13 44 | 18 46 | 19 5 | 20 41 | 0 34 | 3 45 |
| S 30 | 5s56 | 16n44 | 0n56 | 2s43 | 1n23 | 1s37 | 5s40 | 8n 4 | 1n16 | 20n30 | 0n21 | 22n18 | 0s27 | 5s40 | 0n36 | 11n25 | 1s53 | 4n57 | 13s45 | 18n47 | 19n 5 | 20n41 | 0n33 | 3n44 |

Julian Day Number = 2227172.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'15, Lahiri = 15°17'15 Julian Calendar 1 Sept. 1385 == Greg. Calendar 9 Sept. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## OCTOBER 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 11 31 | 15♎59'56 | 28♌59 | 11♎46 | 20°R48 | 13♍ 5 | 0♌23 | 14♋17 | 15♎48 | 4°R52 | 21°R39 | 6°R11 | 4♌54 | 20♋29 | 22°R42 | S 1 |
| M 2 | 1 15 28 | 16°59'36 | 11♍24 | 13°29 | 20♍40 | 13°43 | 0°30 | 14°19 | 15°52 | 4♉50 | 21♉38 | 6♌ 7 | 4°51 | 20°35 | 22♓40 | M 2 |
| T 3 | 1 19 25 | 17°59'18 | 24° 6 | 15°11 | 20°35 | 14°21 | 0°37 | 14°21 | 15°56 | 4°49 | 21°37 | 5°59 | 4°48 | 20°42 | 22°37 | T 3 |
| W 4 | 1 23 21 | 18°59'02 | 7♎ 9 | 16°53 | 20°D33 | 14°58 | 0°44 | 14°22 | 16° 0 | 4°47 | 21°36 | 5°49 | 4°44 | 20°48 | 22°35 | W 4 |
| T 5 | 1 27 18 | 19°58'49 | 20°30 | 18°34 | 20°33 | 15°36 | 0°50 | 14°24 | 16° 3 | 4°45 | 21°35 | 5°37 | 4°41 | 20°55 | 22°33 | T 5 |
| F 6 | 1 31 14 | 20°58'37 | 4♏ 9 | 20°15 | 20°35 | 16°13 | 0°57 | 14°25 | 16° 7 | 4°44 | 21°35 | 5°25 | 4°38 | 21° 2 | 22°30 | F 6 |
| S 7 | 1 35 11 | 21°58'28 | 18° 2 | 21°55 | 20°40 | 16°51 | 1° 3 | 14°27 | 16°11 | 4°42 | 21°34 | 5°13 | 4°35 | 21° 8 | 22°28 | S 7 |
| S 8 | 1 39 7 | 22°58'20 | 2♐ 3 | 23°34 | 20°47 | 17°28 | 1° 9 | 14°28 | 16°15 | 4°40 | 21°33 | 5° 3 | 4°32 | 21°15 | 22°26 | S 8 |
| M 9 | 1 43 4 | 23°58'14 | 16°11 | 25°13 | 20°57 | 18° 6 | 1°15 | 14°29 | 16°19 | 4°39 | 21°32 | 4°56 | 4°28 | 21°22 | 22°23 | M 9 |
| T 10 | 1 47 0 | 24°58'10 | 0♑20 | 26°52 | 21° 8 | 18°43 | 1°21 | 14°30 | 16°22 | 4°37 | 21°31 | 4°52 | 4°25 | 21°28 | 22°21 | T 10 |
| W11 | 1 50 57 | 25°58'08 | 14°28 | 28°29 | 21°22 | 19°21 | 1°27 | 14°31 | 16°26 | 4°36 | 21°30 | 4°50 | 4°22 | 21°35 | 22°19 | W11 |
| T 12 | 1 54 54 | 26°58'07 | 28°34 | 0♏ 7 | 21°37 | 19°58 | 1°33 | 14°32 | 16°30 | 4°34 | 21°29 | 4°50 | 4°19 | 21°42 | 22°17 | T 12 |
| F 13 | 1 58 50 | 27°58'08 | 12♒38 | 1°44 | 21°55 | 20°36 | 1°38 | 14°32 | 16°34 | 4°32 | 21°28 | 4°50 | 4°16 | 21°48 | 22°15 | F 13 |
| S 14 | 2 2 47 | 28°58'10 | 26°37 | 3°20 | 22°15 | 21°13 | 1°43 | 14°33 | 16°37 | 4°31 | 21°27 | 4°48 | 4°13 | 21°55 | 22°12 | S 14 |
| S 15 | 2 6 43 | 29°58'14 | 10♓32 | 4°56 | 22°36 | 21°51 | 1°48 | 14°33 | 16°41 | 4°29 | 21°26 | 4°45 | 4° 9 | 22° 2 | 22°10 | S 15 |
| M16 | 2 10 40 | 0♏58'20 | 24°22 | 6°31 | 22°59 | 22°28 | 1°53 | 14°34 | 16°45 | 4°27 | 21°24 | 4°38 | 4° 6 | 22° 8 | 22° 8 | M16 |
| T 17 | 2 14 36 | 1°58'27 | 8♈ 3 | 8° 6 | 23°25 | 23° 5 | 1°58 | 14°34 | 16°48 | 4°25 | 21°23 | 4°29 | 4° 3 | 22°15 | 22° 6 | T 17 |
| W18 | 2 18 33 | 2°58'36 | 21°33 | 9°41 | 23°52 | 23°43 | 2° 3 | 14°34 | 16°52 | 4°24 | 21°22 | 4°17 | 4° 0 | 22°22 | 22° 4 | W18 |
| T 19 | 2 22 29 | 3°58'47 | 4♉50 | 11°15 | 24°20 | 24°20 | 2° 7 | 14°R34 | 16°56 | 4°22 | 21°21 | 4° 4 | 3°57 | 22°28 | 22° 3 | T 19 |
| F 20 | 2 26 26 | 4°58'59 | 17°51 | 12°49 | 24°50 | 24°58 | 2°11 | 14°34 | 16°59 | 4°20 | 21°20 | 3°50 | 3°54 | 22°35 | 22° 1 | F 20 |
| S 21 | 2 30 23 | 5°59'14 | 0♊35 | 14°22 | 25°22 | 25°35 | 2°15 | 14°34 | 17° 3 | 4°19 | 21°19 | 3°38 | 3°50 | 22°41 | 21°59 | S 21 |
| S 22 | 2 34 19 | 6°59'30 | 13° 2 | 15°55 | 25°55 | 26°12 | 2°19 | 14°33 | 17° 7 | 4°17 | 21°18 | 3°28 | 3°47 | 22°48 | 21°57 | S 22 |
| M23 | 2 38 16 | 7°59'48 | 25°14 | 17°28 | 26°30 | 26°50 | 2°23 | 14°33 | 17°10 | 4°15 | 21°17 | 3°20 | 3°44 | 22°55 | 21°55 | M23 |
| T 24 | 2 42 12 | 9° 0'09 | 7♋14 | 19° 0 | 27° 6 | 27°27 | 2°26 | 14°32 | 17°14 | 4°14 | 21°16 | 3°15 | 3°41 | 23° 1 | 21°54 | T 24 |
| W25 | 2 46 9 | 10° 0'31 | 19° 5 | 20°32 | 27°44 | 28° 4 | 2°30 | 14°32 | 17°17 | 4°12 | 21°15 | 3°13 | 3°38 | 23° 8 | 21°52 | W25 |
| T 26 | 2 50 5 | 11° 0'55 | 0♌52 | 22° 4 | 28°22 | 28°42 | 2°33 | 14°31 | 17°21 | 4°10 | 21°14 | 3°D12 | 3°34 | 23°15 | 21°50 | T 26 |
| F 27 | 2 54 2 | 12° 1'21 | 12°41 | 23°35 | 29° 2 | 29°19 | 2°36 | 14°30 | 17°24 | 4° 9 | 21°13 | 3°R12 | 3°31 | 23°21 | 21°49 | F 27 |
| S 28 | 2 57 58 | 13° 1'49 | 24°37 | 25° 6 | 29°43 | 29°56 | 2°39 | 14°29 | 17°28 | 4° 7 | 21°11 | 3°12 | 3°28 | 23°28 | 21°47 | S 28 |
| S 29 | 3 1 55 | 14° 2'19 | 6♍46 | 26°37 | 0♎26 | 0♎33 | 2°41 | 14°28 | 17°31 | 4° 5 | 21°10 | 3°10 | 3°25 | 23°35 | 21°46 | S 29 |
| M30 | 3 5 52 | 15° 2'51 | 19°13 | 28° 7 | 1° 9 | 1°11 | 2°44 | 14°27 | 17°35 | 4° 4 | 21° 9 | 3° 5 | 3°22 | 23°41 | 21°45 | M30 |
| T 31 | 3 9 48 | 16♏ 3'24 | 2♎ 1 | 29♏38 | 1♎54 | 1♎48 | 2♌46 | 14♋25 | 17♎38 | 4♉ 2 | 21♉ 8 | 2♌58 | 3♌19 | 23♋48 | 21♓43 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s19 | 13n42 | 1n58 | 3s28 | 1n18 | 1s20 | 5s26 | 7n50 | 1n16 | 20n29 | 0n21 | 22n18 | 0s27 | 5s41 | 0n36 | 11n24 | 1s53 | 4n56 | 13s45 | 18n47 | 19n 6 | 20n41 | 0n32 | 3n44 |
| M 2 | 6 42 | 10 1 | 2 55 | 4 13 | 1 13 | 1 5 | 5 12 | 7 35 | 1 16 | 20 27 | 0 21 | 22 18 | 0 27 | 5 43 | 0 36 | 11 24 | 1 53 | 4 56 | 13 45 | 18 48 | 19 7 | 20 41 | 0 31 | 3 44 |
| T 3 | 7 5 | 5 48 | 3 45 | 4 58 | 1 7 | 0 50 | 4 59 | 7 21 | 1 16 | 20 26 | 0 21 | 22 18 | 0 27 | 5 44 | 0 36 | 11 23 | 1 53 | 4 56 | 13 45 | 18 50 | 19 8 | 20 41 | 0 29 | 3 44 |
| W 4 | 7 27 | 1 13 | 4 25 | 5 43 | 1 1 | 0 36 | 4 45 | 7 6 | 1 16 | 20 24 | 0 21 | 22 18 | 0 27 | 5 46 | 0 36 | 11 23 | 1 53 | 4 55 | 13 45 | 18 53 | 19 9 | 20 40 | 0 28 | 3 44 |
| T 5 | 7 50 | 3s33 | 4 51 | 6 27 | 0 55 | 0 24 | 4 31 | 6 52 | 1 16 | 20 23 | 0 22 | 22 17 | 0 27 | 5 47 | 0 36 | 11 22 | 1 53 | 4 55 | 13 45 | 18 56 | 19 9 | 20 40 | 0 27 | 3 44 |
| F 6 | 8 13 | 8 13 | 5 1 | 7 11 | 0 49 | 0 12 | 4 17 | 6 37 | 1 16 | 20 22 | 0 22 | 22 17 | 0 27 | 5 48 | 0 36 | 11 22 | 1 53 | 4 55 | 13 45 | 18 59 | 19 10 | 20 40 | 0 26 | 3 43 |
| S 7 | 8 35 | 12 33 | 4 54 | 7 55 | 0 42 | 0 2 | 4 4 | 6 23 | 1 16 | 20 21 | 0 22 | 22 17 | 0 27 | 5 50 | 0 36 | 11 21 | 1 53 | 4 54 | 13 45 | 19 2 | 19 11 | 20 40 | 0 25 | 3 43 |
| S 8 | 8 58 | 16 15 | 4 29 | 8 38 | 0 36 | 0n 8 | 3 50 | 6 8 | 1 16 | 20 20 | 0 22 | 22 17 | 0 27 | 5 51 | 0 36 | 11 21 | 1 53 | 4 54 | 13 46 | 19 4 | 19 12 | 20 40 | 0 24 | 3 43 |
| M 9 | 9 20 | 19 2 | 3 47 | 9 20 | 0 29 | 0 17 | 3 37 | 5 53 | 1 16 | 20 18 | 0 22 | 22 17 | 0 27 | 5 53 | 0 36 | 11 20 | 1 53 | 4 54 | 13 46 | 19 6 | 19 12 | 20 40 | 0 23 | 3 43 |
| T 10 | 9 42 | 20 39 | 2 52 | 10 2 | 0 23 | 0 24 | 3 24 | 5 39 | 1 16 | 20 17 | 0 22 | 22 17 | 0 27 | 5 54 | 0 36 | 11 19 | 1 53 | 4 53 | 13 46 | 19 7 | 19 13 | 20 39 | 0 22 | 3 43 |
| W11 | 10 4 | 20 59 | 1 46 | 10 44 | 0 16 | 0 31 | 3 11 | 5 24 | 1 16 | 20 16 | 0 23 | 22 17 | 0 27 | 5 56 | 0 36 | 11 19 | 1 53 | 4 53 | 13 46 | 19 7 | 19 14 | 20 39 | 0 21 | 3 43 |
| T 12 | 10 26 | 19 58 | 0 33 | 11 24 | 0 9 | 0 36 | 2 58 | 5 9 | 1 17 | 20 15 | 0 23 | 22 17 | 0 27 | 5 57 | 0 36 | 11 18 | 1 53 | 4 53 | 13 46 | 19 7 | 19 15 | 20 39 | 0 20 | 3 42 |
| F 13 | 10 47 | 17 44 | 0s41 | 12 4 | 0 2 | 0 41 | 2 45 | 4 55 | 1 17 | 20 14 | 0 23 | 22 17 | 0 27 | 5 59 | 0 36 | 11 18 | 1 53 | 4 52 | 13 46 | 19 7 | 19 15 | 20 39 | 0 19 | 3 42 |
| S 14 | 11 9 | 14 27 | 1 53 | 12 44 | 0s 4 | 0 45 | 2 33 | 4 40 | 1 17 | 20 13 | 0 23 | 22 17 | 0 26 | 6 0 | 0 36 | 11 17 | 1 53 | 4 52 | 13 46 | 19 8 | 19 16 | 20 39 | 0 18 | 3 42 |
| S 15 | 11 30 | 10 22 | 2 57 | 13 23 | 0 11 | 0 47 | 2 21 | 4 25 | 1 17 | 20 12 | 0 23 | 22 17 | 0 26 | 6 1 | 0 36 | 11 17 | 1 53 | 4 52 | 13 46 | 19 8 | 19 17 | 20 38 | 0 17 | 3 42 |
| M16 | 11 51 | 5 46 | 3 50 | 14 1 | 0 18 | 0 49 | 2 9 | 4 10 | 1 17 | 20 11 | 0 23 | 22 17 | 0 26 | 6 3 | 0 36 | 11 16 | 1 53 | 4 51 | 13 46 | 19 10 | 19 18 | 20 38 | 0 16 | 3 42 |
| T 17 | 12 12 | 0 55 | 4 29 | 14 38 | 0 24 | 0 50 | 1 57 | 3 56 | 1 17 | 20 10 | 0 24 | 22 17 | 0 26 | 6 4 | 0 36 | 11 15 | 1 53 | 4 51 | 13 46 | 19 12 | 19 18 | 20 38 | 0 15 | 3 41 |
| W18 | 12 33 | 3n54 | 4 53 | 15 15 | 0 31 | 0 49 | 1 46 | 3 41 | 1 17 | 20 9 | 0 24 | 22 17 | 0 26 | 6 6 | 0 36 | 11 15 | 1 53 | 4 51 | 13 46 | 19 15 | 19 19 | 20 38 | 0 14 | 3 41 |
| T 19 | 12 53 | 8 27 | 5 0 | 15 51 | 0 37 | 0 48 | 1 35 | 3 26 | 1 17 | 20 9 | 0 24 | 22 17 | 0 26 | 6 7 | 0 36 | 11 14 | 1 53 | 4 50 | 13 47 | 19 18 | 19 20 | 20 38 | 0 13 | 3 41 |
| F 20 | 13 14 | 12 32 | 4 51 | 16 26 | 0 44 | 0 46 | 1 24 | 3 11 | 1 17 | 20 8 | 0 24 | 22 17 | 0 26 | 6 8 | 0 36 | 11 14 | 1 53 | 4 50 | 13 47 | 19 21 | 19 21 | 20 37 | 0 12 | 3 41 |
| S 21 | 13 34 | 15 58 | 4 28 | 17 0 | 0 50 | 0 44 | 1 13 | 2 56 | 1 17 | 20 7 | 0 24 | 22 17 | 0 26 | 6 10 | 0 36 | 11 13 | 1 53 | 4 50 | 13 47 | 19 24 | 19 21 | 20 37 | 0 11 | 3 41 |
| S 22 | 13 54 | 18 36 | 3 52 | 17 34 | 0 57 | 0 40 | 1 3 | 2 41 | 1 17 | 20 6 | 0 25 | 22 17 | 0 26 | 6 11 | 0 36 | 11 13 | 1 53 | 4 49 | 13 47 | 19 27 | 19 22 | 20 37 | 0 10 | 3 40 |
| M23 | 14 13 | 20 19 | 3 7 | 18 6 | 1 3 | 0 35 | 0 53 | 2 26 | 1 17 | 20 6 | 0 25 | 22 17 | 0 26 | 6 13 | 0 36 | 11 12 | 1 53 | 4 49 | 13 47 | 19 28 | 19 23 | 20 37 | 0 9 | 3 40 |
| T 24 | 14 33 | 21 6 | 2 13 | 18 38 | 1 9 | 0 30 | 0 43 | 2 12 | 1 17 | 20 5 | 0 25 | 22 18 | 0 26 | 6 14 | 0 36 | 11 12 | 1 53 | 4 49 | 13 47 | 19 30 | 19 24 | 20 36 | 0 8 | 3 40 |
| W25 | 14 52 | 20 56 | 1 14 | 19 9 | 1 15 | 0 24 | 0 33 | 1 57 | 1 17 | 20 5 | 0 25 | 22 18 | 0 26 | 6 15 | 0 36 | 11 11 | 1 53 | 4 49 | 13 47 | 19 30 | 19 24 | 20 36 | 0 8 | 3 40 |
| T 26 | 15 11 | 19 50 | 0 12 | 19 39 | 1 21 | 0 17 | 0 24 | 1 42 | 1 17 | 20 4 | 0 25 | 22 18 | 0 26 | 6 17 | 0 36 | 11 10 | 1 53 | 4 48 | 13 47 | 19 30 | 19 25 | 20 36 | 0 7 | 3 39 |
| F 27 | 15 30 | 17 52 | 0n50 | 20 7 | 1 26 | 0 10 | 0 15 | 1 27 | 1 17 | 20 4 | 0 26 | 22 18 | 0 26 | 6 18 | 0 36 | 11 10 | 1 53 | 4 48 | 13 47 | 19 30 | 19 26 | 20 36 | 0 6 | 3 39 |
| S 28 | 15 48 | 15 6 | 1 51 | 20 35 | 1 32 | 0 1 | 0 6 | 1 12 | 1 17 | 20 3 | 0 26 | 22 18 | 0 26 | 6 19 | 0 36 | 11 9 | 1 53 | 4 48 | 13 47 | 19 30 | 19 27 | 20 35 | 0 5 | 3 39 |
| S 29 | 16 6 | 11 39 | 2 48 | 21 2 | 1 37 | 0s 8 | 0n 3 | 0 57 | 1 17 | 20 3 | 0 26 | 22 18 | 0 26 | 6 21 | 0 36 | 11 9 | 1 53 | 4 47 | 13 47 | 19 31 | 19 27 | 20 35 | 0 4 | 3 39 |
| M30 | 16 24 | 7 38 | 3 38 | 21 28 | 1 42 | 0 17 | 0 11 | 0 42 | 1 17 | 20 2 | 0 26 | 22 18 | 0 26 | 6 22 | 0 36 | 11 8 | 1 53 | 4 47 | 13 47 | 19 32 | 19 28 | 20 35 | 0 4 | 3 38 |
| T 31 | 16s42 | 3n 9 | 4n19 | 21s53 | 1s47 | 0s28 | 0n19 | 0n28 | 1n17 | 20n 2 | 0n26 | 22n19 | 0s26 | 6s23 | 0n36 | 11n 8 | 1s53 | 4n47 | 13s47 | 19n33 | 19n29 | 20n34 | 0n 3 | 3n38 |

Julian Day Number = 2227202.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'19, Lahiri = 15°17'20 Julian Calendar 1 Oct. 1385 == Greg. Calendar 9 Oct. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## NOVEMBER 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 13 45 | 17♏ 3'59 | 15♎14 | 1♐ 7 | 2♎39 | 2♎25 | 2♌48 | 14°R24 | 17♎42 | 4°R 0 | 21°R 7 | 2°R49 | 3♌15 | 23♋55 | 21°R42 | W 1 |
| T 2 | 3 17 41 | 18° 4'36 | 28°51 | 2°37 | 3°26 | 3° 2 | 2°50 | 14♋22 | 17°45 | 3♉59 | 21♉ 6 | 2♌37 | 3°12 | 24° 1 | 21♓41 | T 2 |
| F 3 | 3 21 38 | 19° 5'15 | 12♏50 | 4° 6 | 4°13 | 3°39 | 2°51 | 14°21 | 17°49 | 3°57 | 21° 5 | 2°25 | 3° 9 | 24° 8 | 21°39 | F 3 |
| S 4 | 3 25 34 | 20° 5'55 | 27° 8 | 5°35 | 5° 1 | 4°17 | 2°53 | 14°19 | 17°52 | 3°55 | 21° 4 | 2°14 | 3° 6 | 24°15 | 21°38 | S 4 |
| S 5 | 3 29 31 | 21° 6'37 | 11♐37 | 7° 3 | 5°51 | 4°54 | 2°54 | 14°17 | 17°55 | 3°54 | 21° 2 | 2° 4 | 3° 3 | 24°21 | 21°37 | S 5 |
| M 6 | 3 33 27 | 22° 7'20 | 26°11 | 8°31 | 6°41 | 5°31 | 2°55 | 14°15 | 17°58 | 3°52 | 21° 1 | 1°57 | 2°59 | 24°28 | 21°36 | M 6 |
| T 7 | 3 37 24 | 23° 8'04 | 10♑44 | 9°58 | 7°31 | 6° 8 | 2°56 | 14°13 | 18° 2 | 3°51 | 21° 0 | 1°53 | 2°56 | 24°34 | 21°35 | T 7 |
| W 8 | 3 41 21 | 24° 8'49 | 25°10 | 11°24 | 8°23 | 6°45 | 2°57 | 14°11 | 18° 5 | 3°49 | 20°59 | 1°51 | 2°53 | 24°41 | 21°34 | W 8 |
| T 9 | 3 45 17 | 25° 9'36 | 9♒26 | 12°50 | 9°15 | 7°22 | 2°57 | 14° 8 | 18° 8 | 3°48 | 20°58 | 1°D51 | 2°50 | 24°48 | 21°33 | T 9 |
| F 10 | 3 49 14 | 26°10'23 | 23°31 | 14°15 | 10° 8 | 7°59 | 2°57 | 14° 6 | 18°11 | 3°46 | 20°57 | 1°R51 | 2°47 | 24°54 | 21°32 | F 10 |
| S 11 | 3 53 10 | 27°11'11 | 7♓23 | 15°40 | 11° 2 | 8°36 | 2°R58 | 14° 4 | 18°15 | 3°44 | 20°56 | 1°51 | 2°44 | 25° 1 | 21°32 | S 11 |
| S 12 | 3 57 7 | 28°12'00 | 21° 3 | 17° 3 | 11°56 | 9°13 | 2°57 | 14° 1 | 18°18 | 3°43 | 20°55 | 1°49 | 2°40 | 25° 8 | 21°31 | S 12 |
| M13 | 4 1 3 | 29°12'50 | 4♈32 | 18°25 | 12°51 | 9°50 | 2°57 | 13°58 | 18°21 | 3°41 | 20°53 | 1°44 | 2°37 | 25°14 | 21°30 | M13 |
| T 14 | 4 5 0 | 0♐13'41 | 17°49 | 19°46 | 13°47 | 10°27 | 2°57 | 13°55 | 18°24 | 3°40 | 20°52 | 1°36 | 2°34 | 25°21 | 21°30 | T 14 |
| W15 | 4 8 56 | 1°14'33 | 0♉55 | 21° 5 | 14°43 | 11° 4 | 2°56 | 13°53 | 18°27 | 3°39 | 20°51 | 1°27 | 2°31 | 25°28 | 21°29 | W15 |
| T 16 | 4 12 53 | 2°15'26 | 13°49 | 22°22 | 15°40 | 11°41 | 2°55 | 13°50 | 18°30 | 3°37 | 20°50 | 1°16 | 2°28 | 25°34 | 21°29 | T 16 |
| F 17 | 4 16 50 | 3°16'20 | 26°31 | 23°37 | 16°38 | 12°18 | 2°54 | 13°47 | 18°33 | 3°36 | 20°49 | 1° 4 | 2°25 | 25°41 | 21°28 | F 17 |
| S 18 | 4 20 46 | 4°17'15 | 9♊ 0 | 24°50 | 17°36 | 12°55 | 2°53 | 13°43 | 18°36 | 3°34 | 20°48 | 0°54 | 2°21 | 25°48 | 21°28 | S 18 |
| S 19 | 4 24 43 | 5°18'11 | 21°16 | 26° 0 | 18°34 | 13°32 | 2°51 | 13°40 | 18°39 | 3°33 | 20°47 | 0°45 | 2°18 | 25°54 | 21°28 | S 19 |
| M20 | 4 28 39 | 6°19'08 | 3♋21 | 27° 7 | 19°33 | 14° 9 | 2°49 | 13°37 | 18°42 | 3°31 | 20°46 | 0°39 | 2°15 | 26° 1 | 21°27 | M20 |
| T 21 | 4 32 36 | 7°20'07 | 15°17 | 28°10 | 20°33 | 14°46 | 2°47 | 13°33 | 18°44 | 3°30 | 20°45 | 0°35 | 2°12 | 26° 8 | 21°27 | T 21 |
| W22 | 4 36 32 | 8°21'06 | 27° 6 | 29° 9 | 21°33 | 15°22 | 2°45 | 13°30 | 18°47 | 3°29 | 20°44 | 0°D34 | 2° 9 | 26°14 | 21°27 | W22 |
| T 23 | 4 40 29 | 9°22'07 | 8♌52 | 0♏ 4 | 22°33 | 15°59 | 2°43 | 13°26 | 18°50 | 3°28 | 20°42 | 0°34 | 2° 5 | 26°21 | 21°27 | T 23 |
| F 24 | 4 44 25 | 10°23'08 | 20°40 | 0°52 | 23°34 | 16°36 | 2°41 | 13°23 | 18°53 | 3°26 | 20°41 | 0°35 | 2° 2 | 26°27 | 21°D27 | F 24 |
| S 25 | 4 48 22 | 11°24'11 | 2♍35 | 1°35 | 24°35 | 17°13 | 2°38 | 13°19 | 18°55 | 3°25 | 20°40 | 0°37 | 1°59 | 26°34 | 21°27 | S 25 |
| S 26 | 4 52 19 | 12°25'14 | 14°41 | 2°10 | 25°37 | 17°49 | 2°35 | 13°15 | 18°58 | 3°24 | 20°39 | 0°R37 | 1°56 | 26°41 | 21°27 | S 26 |
| M27 | 4 56 15 | 13°26'19 | 27° 5 | 2°37 | 26°39 | 18°26 | 2°32 | 13°11 | 19° 1 | 3°23 | 20°38 | 0°36 | 1°53 | 26°47 | 21°27 | M27 |
| T 28 | 5 0 12 | 14°27'24 | 9♎51 | 2°56 | 27°42 | 19° 3 | 2°29 | 13° 7 | 19° 3 | 3°21 | 20°37 | 0°33 | 1°50 | 26°54 | 21°27 | T 28 |
| W29 | 5 4 8 | 15°28'31 | 23° 3 | 3°R 5 | 28°44 | 19°40 | 2°25 | 13° 3 | 19° 6 | 3°20 | 20°36 | 0°28 | 1°46 | 27° 1 | 21°27 | W29 |
| T 30 | 5 8 5 | 16♐29'38 | 6♏42 | 3♑ 3 | 29♎48 | 20♎16 | 2♌22 | 12♋59 | 19♎ 8 | 3♉19 | 20♉35 | 0♌21 | 1♌43 | 27♋ 7 | 21♓28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s59 | 1s36 | 4n48 | 22s17 | 1s52 | 0s39 | 0n27 | 0n13 | 1n17 | 20n 2 | 0n27 | 22n19 | 0s25 | 6s25 | 0n36 | 11n 7 | 1s53 | 4n47 | 13s47 | 19n36 | 19n30 | 20n34 | 0n 2 | 3n38 |
| T 2 | 17 16 | 6 24 | 5 1 | 22 39 | 1 57 | 0 50 | 0 35 | 0s 2 | 1 17 | 20 1 | 0 27 | 22 19 | 0 25 | 6 26 | 0 36 | 11 7 | 1 53 | 4 46 | 13 47 | 19 38 | 19 30 | 20 34 | 0 1 | 3 38 |
| F 3 | 17 33 | 11 2 | 4 57 | 23 1 | 2 1 | 1 2 | 0 42 | 0 17 | 1 17 | 20 1 | 0 27 | 22 19 | 0 25 | 6 27 | 0 36 | 11 6 | 1 53 | 4 46 | 13 47 | 19 41 | 19 31 | 20 34 | 0 1 | 3 38 |
| S 4 | 17 50 | 15 8 | 4 34 | 23 21 | 2 5 | 1 15 | 0 49 | 0 32 | 1 17 | 20 1 | 0 27 | 22 20 | 0 25 | 6 29 | 0 36 | 11 6 | 1 53 | 4 46 | 13 47 | 19 44 | 19 32 | 20 33 | 0s 0 | 3 37 |
| S 5 | 18 6 | 18 24 | 3 54 | 23 40 | 2 9 | 1 28 | 0 56 | 0 47 | 1 17 | 20 1 | 0 27 | 22 20 | 0 25 | 6 30 | 0 36 | 11 5 | 1 53 | 4 46 | 13 47 | 19 46 | 19 32 | 20 33 | 0 1 | 3 37 |
| M 6 | 18 22 | 20 30 | 2 57 | 23 58 | 2 12 | 1 42 | 1 3 | 1 1 | 1 17 | 20 1 | 0 28 | 22 20 | 0 25 | 6 31 | 0 36 | 11 5 | 1 53 | 4 45 | 13 47 | 19 47 | 19 33 | 20 33 | 0 1 | 3 37 |
| T 7 | 18 37 | 21 15 | 1 50 | 24 15 | 2 15 | 1 56 | 1 9 | 1 16 | 1 17 | 20 1 | 0 28 | 22 20 | 0 25 | 6 32 | 0 36 | 11 4 | 1 53 | 4 45 | 13 47 | 19 48 | 19 34 | 20 32 | 0 2 | 3 37 |
| W 8 | 18 52 | 20 35 | 0 36 | 24 30 | 2 18 | 2 11 | 1 15 | 1 31 | 1 17 | 20 1 | 0 28 | 22 21 | 0 25 | 6 33 | 0 36 | 11 3 | 1 53 | 4 45 | 13 47 | 19 49 | 19 35 | 20 32 | 0 3 | 3 36 |
| T 9 | 19 7 | 18 36 | 0s40 | 24 44 | 2 20 | 2 26 | 1 21 | 1 46 | 1 17 | 20 1 | 0 28 | 22 21 | 0 25 | 6 35 | 0 36 | 11 3 | 1 53 | 4 45 | 13 47 | 19 49 | 19 35 | 20 32 | 0 3 | 3 36 |
| F 10 | 19 22 | 15 30 | 1 53 | 24 56 | 2 22 | 2 41 | 1 27 | 2 0 | 1 17 | 20 1 | 0 28 | 22 21 | 0 25 | 6 36 | 0 36 | 11 2 | 1 53 | 4 44 | 13 47 | 19 49 | 19 36 | 20 31 | 0 4 | 3 36 |
| S 11 | 19 36 | 11 34 | 2 58 | 25 8 | 2 24 | 2 57 | 1 33 | 2 15 | 1 17 | 20 1 | 0 29 | 22 22 | 0 25 | 6 37 | 0 36 | 11 2 | 1 53 | 4 44 | 13 46 | 19 49 | 19 37 | 20 31 | 0 4 | 3 36 |
| S 12 | 19 49 | 7 6 | 3 51 | 25 17 | 2 25 | 3 14 | 1 38 | 2 30 | 1 17 | 20 2 | 0 29 | 22 22 | 0 25 | 6 38 | 0 36 | 11 2 | 1 53 | 4 44 | 13 46 | 19 49 | 19 38 | 20 31 | 0 5 | 3 35 |
| M13 | 20 3 | 2 20 | 4 31 | 25 25 | 2 25 | 3 31 | 1 43 | 2 44 | 1 17 | 20 2 | 0 29 | 22 22 | 0 25 | 6 39 | 0 36 | 11 1 | 1 53 | 4 44 | 13 46 | 19 50 | 19 38 | 20 30 | 0 5 | 3 35 |
| T 14 | 20 16 | 2n28 | 4 56 | 25 32 | 2 25 | 3 48 | 1 48 | 2 59 | 1 17 | 20 2 | 0 29 | 22 23 | 0 25 | 6 41 | 0 36 | 11 1 | 1 53 | 4 44 | 13 46 | 19 52 | 19 39 | 20 30 | 0 6 | 3 35 |
| W15 | 20 29 | 7 5 | 5 4 | 25 37 | 2 25 | 4 5 | 1 53 | 3 13 | 1 17 | 20 3 | 0 29 | 22 23 | 0 25 | 6 42 | 0 36 | 11 0 | 1 53 | 4 43 | 13 46 | 19 54 | 19 40 | 20 30 | 0 6 | 3 34 |
| T 16 | 20 41 | 11 19 | 4 57 | 25 41 | 2 24 | 4 23 | 1 57 | 3 28 | 1 16 | 20 3 | 0 30 | 22 24 | 0 24 | 6 43 | 0 36 | 11 0 | 1 53 | 4 43 | 13 46 | 19 57 | 19 40 | 20 29 | 0 7 | 3 34 |
| F 17 | 20 53 | 14 59 | 4 35 | 25 43 | 2 22 | 4 41 | 2 2 | 3 42 | 1 16 | 20 4 | 0 30 | 22 24 | 0 24 | 6 44 | 0 36 | 10 59 | 1 53 | 4 43 | 13 46 | 19 59 | 19 41 | 20 29 | 0 7 | 3 34 |
| S 18 | 21 4 | 17 55 | 4 0 | 25 44 | 2 19 | 5 0 | 2 6 | 3 57 | 1 16 | 20 4 | 0 30 | 22 24 | 0 24 | 6 45 | 0 36 | 10 59 | 1 53 | 4 43 | 13 46 | 20 1 | 19 42 | 20 29 | 0 7 | 3 34 |
| S 19 | 21 15 | 19 59 | 3 15 | 25 43 | 2 16 | 5 18 | 2 10 | 4 11 | 1 16 | 20 5 | 0 30 | 22 25 | 0 24 | 6 46 | 0 36 | 10 58 | 1 53 | 4 43 | 13 46 | 20 3 | 19 43 | 20 28 | 0 8 | 3 33 |
| M20 | 21 26 | 21 8 | 2 21 | 25 41 | 2 12 | 5 37 | 2 13 | 4 26 | 1 16 | 20 5 | 0 30 | 22 25 | 0 24 | 6 47 | 0 36 | 10 58 | 1 53 | 4 42 | 13 46 | 20 5 | 19 43 | 20 28 | 0 8 | 3 33 |
| T 21 | 21 36 | 21 17 | 1 21 | 25 37 | 2 6 | 5 56 | 2 17 | 4 40 | 1 16 | 20 6 | 0 31 | 22 26 | 0 24 | 6 48 | 0 36 | 10 57 | 1 53 | 4 42 | 13 46 | 20 5 | 19 44 | 20 27 | 0 8 | 3 33 |
| W22 | 21 46 | 20 30 | 0 19 | 25 31 | 2 0 | 6 16 | 2 20 | 4 54 | 1 16 | 20 6 | 0 31 | 22 26 | 0 24 | 6 49 | 0 36 | 10 57 | 1 53 | 4 42 | 13 45 | 20 6 | 19 45 | 20 27 | 0 9 | 3 33 |
| T 23 | 21 56 | 18 49 | 0n45 | 25 24 | 1 53 | 6 35 | 2 23 | 5 8 | 1 16 | 20 7 | 0 31 | 22 26 | 0 24 | 6 50 | 0 36 | 10 57 | 1 53 | 4 42 | 13 45 | 20 6 | 19 46 | 20 27 | 0 9 | 3 32 |
| F 24 | 22 5 | 16 20 | 1 46 | 25 16 | 1 45 | 6 55 | 2 26 | 5 23 | 1 16 | 20 8 | 0 31 | 22 27 | 0 24 | 6 51 | 0 36 | 10 56 | 1 53 | 4 42 | 13 45 | 20 5 | 19 46 | 20 26 | 0 9 | 3 32 |
| S 25 | 22 13 | 13 9 | 2 44 | 25 6 | 1 35 | 7 15 | 2 29 | 5 37 | 1 16 | 20 9 | 0 31 | 22 27 | 0 24 | 6 52 | 0 36 | 10 56 | 1 53 | 4 42 | 13 45 | 20 5 | 19 47 | 20 26 | 0 10 | 3 32 |
| S 26 | 22 21 | 9 22 | 3 36 | 24 55 | 1 25 | 7 35 | 2 32 | 5 51 | 1 16 | 20 10 | 0 32 | 22 28 | 0 24 | 6 53 | 0 36 | 10 55 | 1 52 | 4 42 | 13 45 | 20 5 | 19 48 | 20 25 | 0 10 | 3 32 |
| M27 | 22 29 | 5 7 | 4 18 | 24 42 | 1 13 | 7 55 | 2 34 | 6 5 | 1 16 | 20 11 | 0 32 | 22 28 | 0 24 | 6 54 | 0 36 | 10 55 | 1 52 | 4 41 | 13 45 | 20 5 | 19 48 | 20 25 | 0 10 | 3 31 |
| T 28 | 22 37 | 0 31 | 4 50 | 24 28 | 0 59 | 8 15 | 2 36 | 6 19 | 1 15 | 20 11 | 0 32 | 22 29 | 0 23 | 6 55 | 0 37 | 10 55 | 1 52 | 4 41 | 13 45 | 20 6 | 19 49 | 20 25 | 0 10 | 3 31 |
| W29 | 22 43 | 4s14 | 5 7 | 24 14 | 0 45 | 8 36 | 2 38 | 6 33 | 1 15 | 20 12 | 0 32 | 22 29 | 0 23 | 6 56 | 0 37 | 10 54 | 1 52 | 4 41 | 13 45 | 20 7 | 19 50 | 20 24 | 0 10 | 3 31 |
| T 30 | 22s50 | 8s57 | 5n 8 | 23s58 | 0s29 | 8s56 | 2n40 | 6s47 | 1n15 | 20n13 | 0n32 | 22n30 | 0s23 | 6s57 | 0n37 | 10n54 | 1s52 | 4n41 | 13s44 | 20n 8 | 19n51 | 20n24 | 0s10 | 3n31 |

Julian Day Number = 2227233.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'23, Lahiri = 15°17'24 Julian Calendar 1 Nov. 1385 == Greg. Calendar 9 Nov. 1385


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# ASTRODIENST EPHEMERIS for the year 1385
# geocentric

## DECEMBER 1385 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 12 1 | 17♐30'46 | 20♏48 | 2°R50 | 0♏51 | 20♎53 | 2°R18 | 12°R55 | 19♎10 | 3°R18 | 20°R34 | 0°R14 | 1♌40 | 27♋14 | 21♓28 | F 1 |
| S 2 | 5 15 58 | 18°31'55 | 5♐19 | 2♑26 | 1°55 | 21°29 | 2♌14 | 12♋51 | 19°13 | 3♉17 | 20♉33 | 0♌ 7 | 1°37 | 27°21 | 21°28 | S 2 |
| S 3 | 5 19 54 | 19°33'05 | 20° 7 | 1°49 | 2°59 | 22° 6 | 2°10 | 12°46 | 19°15 | 3°16 | 20°32 | 0° 1 | 1°34 | 27°27 | 21°29 | S 3 |
| M 4 | 5 23 51 | 20°34'15 | 5♑ 4 | 1° 2 | 4° 4 | 22°43 | 2° 5 | 12°42 | 19°17 | 3°15 | 20°31 | 29♋57 | 1°31 | 27°34 | 21°29 | M 4 |
| T 5 | 5 27 48 | 21°35'26 | 20° 3 | 0° 4 | 5° 9 | 23°19 | 2° 1 | 12°37 | 19°20 | 3°14 | 20°30 | 29°55 | 1°27 | 27°41 | 21°30 | T 5 |
| W 6 | 5 31 44 | 22°36'36 | 4♒54 | 28♐56 | 6°14 | 23°56 | 1°56 | 12°33 | 19°22 | 3°13 | 20°29 | 29°D54 | 1°24 | 27°47 | 21°31 | W 6 |
| T 7 | 5 35 41 | 23°37'47 | 19°31 | 27°41 | 7°19 | 24°32 | 1°51 | 12°28 | 19°24 | 3°12 | 20°28 | 29°55 | 1°21 | 27°54 | 21°31 | T 7 |
| F 8 | 5 39 37 | 24°38'58 | 3♓50 | 26°22 | 8°25 | 25° 8 | 1°46 | 12°24 | 19°26 | 3°11 | 20°28 | 29°57 | 1°18 | 28° 0 | 21°32 | F 8 |
| S 9 | 5 43 34 | 25°40'09 | 17°50 | 25° 0 | 9°30 | 25°45 | 1°41 | 12°19 | 19°28 | 3°10 | 20°27 | 29°58 | 1°15 | 28° 7 | 21°33 | S 9 |
| S 10 | 5 47 30 | 26°41'20 | 1♈29 | 23°38 | 10°37 | 26°21 | 1°36 | 12°15 | 19°30 | 3° 9 | 20°26 | 29°R58 | 1°11 | 28°14 | 21°34 | S 10 |
| M11 | 5 51 27 | 27°42'30 | 14°50 | 22°19 | 11°43 | 26°57 | 1°30 | 12°10 | 19°32 | 3° 8 | 20°25 | 29°57 | 1° 8 | 28°20 | 21°35 | M11 |
| T 12 | 5 55 23 | 28°43'41 | 27°53 | 21° 6 | 12°49 | 27°34 | 1°25 | 12° 5 | 19°34 | 3° 7 | 20°24 | 29°54 | 1° 5 | 28°27 | 21°36 | T 12 |
| W13 | 5 59 20 | 29°44'51 | 10♉41 | 20° 0 | 13°56 | 28°10 | 1°19 | 12° 0 | 19°36 | 3° 7 | 20°23 | 29°50 | 1° 2 | 28°34 | 21°37 | W13 |
| T 14 | 6 3 17 | 0♑46'02 | 23°16 | 19° 3 | 15° 3 | 28°46 | 1°13 | 11°56 | 19°38 | 3° 6 | 20°22 | 29°45 | 0°59 | 28°40 | 21°38 | T 14 |
| F 15 | 6 7 13 | 1°47'12 | 5♊39 | 18°16 | 16°11 | 29°22 | 1° 7 | 11°51 | 19°40 | 3° 5 | 20°22 | 29°40 | 0°56 | 28°47 | 21°39 | F 15 |
| S 16 | 6 11 10 | 2°48'22 | 17°51 | 17°39 | 17°18 | 29°58 | 1° 1 | 11°46 | 19°41 | 3° 5 | 20°21 | 29°35 | 0°52 | 28°54 | 21°40 | S 16 |
| S 17 | 6 15 6 | 3°49'32 | 29°55 | 17°12 | 18°26 | 0♏35 | 0°54 | 11°41 | 19°43 | 3° 4 | 20°20 | 29°31 | 0°49 | 29° 0 | 21°41 | S 17 |
| M18 | 6 19 3 | 4°50'42 | 11♋52 | 16°56 | 19°33 | 1°11 | 0°48 | 11°36 | 19°45 | 3° 3 | 20°19 | 29°28 | 0°46 | 29° 7 | 21°43 | M18 |
| T 19 | 6 22 59 | 5°51'53 | 23°43 | 16°D49 | 20°41 | 1°47 | 0°41 | 11°31 | 19°46 | 3° 3 | 20°18 | 29°D27 | 0°43 | 29°14 | 21°44 | T 19 |
| W20 | 6 26 56 | 6°53'02 | 5♌30 | 16°51 | 21°50 | 2°23 | 0°34 | 11°26 | 19°48 | 3° 2 | 20°18 | 29°27 | 0°40 | 29°20 | 21°45 | W20 |
| T 21 | 6 30 53 | 7°54'12 | 17°17 | 17° 2 | 22°58 | 2°59 | 0°28 | 11°21 | 19°49 | 3° 2 | 20°17 | 29°28 | 0°37 | 29°27 | 21°47 | T 21 |
| F 22 | 6 34 49 | 8°55'22 | 29° 6 | 17°20 | 24° 7 | 3°35 | 0°21 | 11°17 | 19°50 | 3° 1 | 20°16 | 29°30 | 0°33 | 29°34 | 21°48 | F 22 |
| S 23 | 6 38 46 | 9°56'32 | 11♍ 2 | 17°46 | 25°15 | 4°11 | 0°14 | 11°12 | 19°52 | 3° 1 | 20°16 | 29°31 | 0°30 | 29°40 | 21°50 | S 23 |
| S 24 | 6 42 42 | 10°57'42 | 23° 8 | 18°18 | 26°24 | 4°46 | 0° 6 | 11° 7 | 19°53 | 3° 0 | 20°15 | 29°33 | 0°27 | 29°47 | 21°52 | S 24 |
| M25 | 6 46 39 | 11°58'51 | 5♎29 | 18°55 | 27°33 | 5°22 | 29♋59 | 11° 2 | 19°54 | 3° 0 | 20°14 | 29°34 | 0°24 | 29°53 | 21°53 | M25 |
| T 26 | 6 50 35 | 13° 0'01 | 18°10 | 19°38 | 28°43 | 5°58 | 29°52 | 10°57 | 19°56 | 2°59 | 20°14 | 29°R34 | 0°21 | 0♌ 0 | 21°55 | T 26 |
| W27 | 6 54 32 | 14° 1'10 | 1♏14 | 20°26 | 29°52 | 6°34 | 29°44 | 10°52 | 19°57 | 2°59 | 20°13 | 29°33 | 0°17 | 0° 7 | 21°57 | W27 |
| T 28 | 6 58 28 | 15° 2'20 | 14°45 | 21°17 | 1♐ 1 | 7° 9 | 29°37 | 10°47 | 19°58 | 2°59 | 20°12 | 29°32 | 0°14 | 0°13 | 21°59 | T 28 |
| F 29 | 7 2 25 | 16° 3'29 | 28°44 | 22°13 | 2°11 | 7°45 | 29°29 | 10°42 | 19°59 | 2°59 | 20°12 | 29°30 | 0°11 | 0°20 | 22° 0 | F 29 |
| S 30 | 7 6 22 | 17° 4'38 | 13♐10 | 23°12 | 3°21 | 8°21 | 29°22 | 10°37 | 20° 0 | 2°58 | 20°11 | 29°28 | 0° 8 | 0°27 | 22° 2 | S 30 |
| S 31 | 7 10 18 | 18♑ 5'46 | 27♐59 | 24♐14 | 4♐31 | 8♏56 | 29♋14 | 10♋32 | 20♎ 1 | 2♉58 | 20♉11 | 29♋27 | 0♌ 5 | 0♌33 | 22♓ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s56 | 13s21 | 4n50 | 23s41 | 0s11 | 9s17 | 2n42 | 7s 1 | 1n15 | 20n15 | 0n33 | 22n30 | 0s23 | 6s58 | 0n37 | 10n54 | 1s52 | 4n41 | 13s44 | 20n10 | 19n51 | 20n23 | 0s10 | 3n30 | |
| S 2 | 23 1 | 17 6 | 4 13 | 23 23 | 0n 7 | 9 37 | 2 44 | 7 15 | 1 15 | 20 16 | 0 33 | 22 31 | 0 23 | 6 59 | 0 37 | 10 53 | 1 52 | 4 41 | 13 44 | 20 12 | 19 52 | 20 23 | 0 11 | 3 30 | |
| S 3 | 23 6 | 19 50 | 3 19 | 23 4 | 0 26 | 9 58 | 2 45 | 7 29 | 1 15 | 20 17 | 0 33 | 22 31 | 0 23 | 7 0 | 0 37 | 10 53 | 1 52 | 4 41 | 13 44 | 20 13 | 19 53 | 20 23 | 0 11 | 3 30 | |
| M 4 | 23 11 | 21 14 | 2 11 | 22 45 | 0 46 | 10 18 | 2 46 | 7 42 | 1 15 | 20 18 | 0 33 | 22 32 | 0 23 | 7 1 | 0 37 | 10 53 | 1 52 | 4 41 | 13 44 | 20 14 | 19 53 | 20 22 | 0 11 | 3 30 | |
| T 5 | 23 15 | 21 8 | 0 54 | 22 25 | 1 6 | 10 39 | 2 47 | 7 56 | 1 15 | 20 19 | 0 33 | 22 32 | 0 23 | 7 1 | 0 37 | 10 52 | 1 52 | 4 41 | 13 44 | 20 14 | 19 54 | 20 22 | 0 11 | 3 29 | |
| W 6 | 23 19 | 19 33 | 0s27 | 22 5 | 1 26 | 11 0 | 2 48 | 8 10 | 1 14 | 20 20 | 0 34 | 22 33 | 0 23 | 7 2 | 0 37 | 10 52 | 1 52 | 4 41 | 13 43 | 20 14 | 19 55 | 20 21 | 0 11 | 3 29 | |
| T 7 | 23 22 | 16 41 | 1 45 | 21 45 | 1 45 | 11 20 | 2 49 | 8 23 | 1 14 | 20 22 | 0 34 | 22 33 | 0 23 | 7 3 | 0 37 | 10 52 | 1 52 | 4 41 | 13 43 | 20 14 | 19 55 | 20 21 | 0 11 | 3 29 | |
| F 8 | 23 25 | 12 51 | 2 55 | 21 25 | 2 3 | 11 40 | 2 50 | 8 37 | 1 14 | 20 23 | 0 34 | 22 34 | 0 23 | 7 4 | 0 37 | 10 52 | 1 52 | 4 41 | 13 43 | 20 14 | 19 56 | 20 20 | 0 11 | 3 28 | |
| S 9 | 23 27 | 8 23 | 3 52 | 21 6 | 2 19 | 12 1 | 2 50 | 8 50 | 1 14 | 20 24 | 0 34 | 22 34 | 0 22 | 7 5 | 0 37 | 10 51 | 1 52 | 4 41 | 13 43 | 20 13 | 19 57 | 20 20 | 0 10 | 3 28 | |
| S 10 | 23 29 | 3 37 | 4 35 | 20 48 | 2 34 | 12 21 | 2 51 | 9 3 | 1 14 | 20 26 | 0 34 | 22 35 | 0 22 | 7 5 | 0 37 | 10 51 | 1 52 | 4 41 | 13 43 | 20 13 | 19 58 | 20 19 | 0 10 | 3 28 | |
| M11 | 23 30 | 1n13 | 5 2 | 20 32 | 2 46 | 12 41 | 2 51 | 9 17 | 1 14 | 20 27 | 0 35 | 22 35 | 0 22 | 7 6 | 0 37 | 10 51 | 1 52 | 4 41 | 13 42 | 20 14 | 19 58 | 20 19 | 0 10 | 3 28 | |
| T 12 | 23 31 | 5 53 | 5 13 | 20 18 | 2 56 | 13 1 | 2 51 | 9 30 | 1 14 | 20 29 | 0 35 | 22 36 | 0 22 | 7 7 | 0 37 | 10 51 | 1 52 | 4 41 | 13 42 | 20 14 | 19 59 | 20 18 | 0 10 | 3 27 | |
| W13 | 23 31 | 10 12 | 5 7 | 20 6 | 3 3 | 13 21 | 2 51 | 9 43 | 1 13 | 20 30 | 0 35 | 22 36 | 0 22 | 7 7 | 0 37 | 10 50 | 1 52 | 4 41 | 13 42 | 20 15 | 20 0 | 20 18 | 0 10 | 3 27 | |
| T 14 | 23 31 | 14 1 | 4 47 | 19 57 | 3 8 | 13 41 | 2 51 | 9 56 | 1 13 | 20 32 | 0 35 | 22 37 | 0 22 | 7 8 | 0 37 | 10 50 | 1 52 | 4 41 | 13 42 | 20 16 | 20 0 | 20 17 | 0 10 | 3 27 | |
| F 15 | 23 30 | 17 9 | 4 14 | 19 50 | 3 10 | 14 1 | 2 50 | 10 9 | 1 13 | 20 33 | 0 35 | 22 37 | 0 22 | 7 9 | 0 37 | 10 50 | 1 52 | 4 41 | 13 41 | 20 17 | 20 1 | 20 17 | 0 9 | 3 27 | |
| S 16 | 23 29 | 19 29 | 3 29 | 19 46 | 3 11 | 14 20 | 2 50 | 10 22 | 1 13 | 20 35 | 0 36 | 22 38 | 0 22 | 7 9 | 0 37 | 10 50 | 1 51 | 4 41 | 13 41 | 20 18 | 20 2 | 20 16 | 0 9 | 3 26 | |
| S 17 | 23 28 | 20 56 | 2 36 | 19 45 | 3 10 | 14 39 | 2 49 | 10 35 | 1 13 | 20 36 | 0 36 | 22 38 | 0 22 | 7 10 | 0 37 | 10 50 | 1 51 | 4 41 | 13 41 | 20 19 | 20 2 | 20 16 | 0 9 | 3 26 | |
| M18 | 23 26 | 21 24 | 1 35 | 19 47 | 3 7 | 14 58 | 2 49 | 10 47 | 1 12 | 20 38 | 0 36 | 22 39 | 0 22 | 7 11 | 0 37 | 10 50 | 1 51 | 4 41 | 13 41 | 20 20 | 20 3 | 20 15 | 0 9 | 3 26 | |
| T 19 | 23 23 | 20 55 | 0 32 | 19 50 | 3 2 | 15 17 | 2 48 | 11 0 | 1 12 | 20 40 | 0 36 | 22 40 | 0 21 | 7 11 | 0 37 | 10 49 | 1 51 | 4 41 | 13 41 | 20 20 | 20 4 | 20 15 | 0 8 | 3 26 | |
| W20 | 23 20 | 19 30 | 0n33 | 19 56 | 2 57 | 15 36 | 2 47 | 11 13 | 1 12 | 20 41 | 0 36 | 22 40 | 0 21 | 7 12 | 0 37 | 10 49 | 1 51 | 4 41 | 13 40 | 20 20 | 20 4 | 20 14 | 0 8 | 3 25 | |
| T 21 | 23 17 | 17 15 | 1 37 | 20 3 | 2 51 | 15 54 | 2 46 | 11 25 | 1 12 | 20 43 | 0 37 | 22 41 | 0 21 | 7 12 | 0 37 | 10 49 | 1 51 | 4 41 | 13 40 | 20 20 | 20 5 | 20 14 | 0 8 | 3 25 | |
| F 22 | 23 13 | 14 16 | 2 37 | 20 12 | 2 44 | 16 12 | 2 45 | 11 38 | 1 12 | 20 44 | 0 37 | 22 41 | 0 21 | 7 13 | 0 37 | 10 49 | 1 51 | 4 41 | 13 40 | 20 19 | 20 6 | 20 13 | 0 7 | 3 25 | |
| S 23 | 23 9 | 10 41 | 3 30 | 20 22 | 2 36 | 16 30 | 2 44 | 11 50 | 1 11 | 20 46 | 0 37 | 22 42 | 0 21 | 7 13 | 0 37 | 10 49 | 1 51 | 4 41 | 13 40 | 20 19 | 20 7 | 20 13 | 0 7 | 3 25 | |
| S 24 | 23 4 | 6 38 | 4 15 | 20 33 | 2 28 | 16 47 | 2 42 | 12 2 | 1 11 | 20 48 | 0 37 | 22 42 | 0 21 | 7 14 | 0 37 | 10 49 | 1 51 | 4 41 | 13 39 | 20 19 | 20 7 | 20 12 | 0 7 | 3 24 | |
| M25 | 22 59 | 2 15 | 4 50 | 20 45 | 2 19 | 17 4 | 2 41 | 12 15 | 1 11 | 20 50 | 0 37 | 22 43 | 0 21 | 7 14 | 0 37 | 10 49 | 1 51 | 4 41 | 13 39 | 20 19 | 20 8 | 20 12 | 0 6 | 3 24 | |
| T 26 | 22 53 | 2s21 | 5 11 | 20 57 | 2 10 | 17 21 | 2 39 | 12 27 | 1 11 | 20 51 | 0 37 | 22 43 | 0 21 | 7 14 | 0 37 | 10 49 | 1 51 | 4 41 | 13 39 | 20 19 | 20 9 | 20 11 | 0 6 | 3 24 | |
| W27 | 22 47 | 6 59 | 5 17 | 21 10 | 2 1 | 17 37 | 2 38 | 12 39 | 1 10 | 20 53 | 0 38 | 22 44 | 0 21 | 7 15 | 0 37 | 10 49 | 1 51 | 4 41 | 13 39 | 20 19 | 20 9 | 20 11 | 0 5 | 3 24 | |
| T 28 | 22 40 | 11 26 | 5 6 | 21 23 | 1 52 | 17 53 | 2 36 | 12 51 | 1 10 | 20 55 | 0 38 | 22 44 | 0 21 | 7 15 | 0 37 | 10 49 | 1 51 | 4 41 | 13 38 | 20 19 | 20 10 | 20 10 | 0 5 | 3 23 | |
| F 29 | 22 33 | 15 26 | 4 37 | 21 35 | 1 42 | 18 9 | 2 34 | 13 2 | 1 10 | 20 57 | 0 38 | 22 45 | 0 20 | 7 16 | 0 37 | 10 49 | 1 51 | 4 41 | 13 38 | 20 19 | 20 11 | 20 10 | 0 4 | 3 23 | |
| S 30 | 22 25 | 18 39 | 3 50 | 21 48 | 1 33 | 18 24 | 2 32 | 13 14 | 1 9 | 20 58 | 0 38 | 22 45 | 0 20 | 7 16 | 0 37 | 10 49 | 1 51 | 4 42 | 13 38 | 20 20 | 20 11 | 20 9 | 0 4 | 3 23 | |
| S 31 | 22s17 | 20s44 | 2n46 | 22s 0 | 1n23 | 18s39 | 2n30 | 13s26 | 1n 9 | 21n 0 | 0n38 | 22n46 | 0s20 | 7s16 | 0n37 | 10n49 | 1s51 | 4n42 | 13s37 | 20n20 | 20n12 | 20n 8 | 0s 3 | 3n23 | |

Julian Day Number = 2227263.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'27, Lahiri = 15°17'28 Julian Calendar 1 Dec. 1385 == Greg. Calendar 9 Dec. 1385


created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## JANUARY 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 14 15 | 19♉ 6'55 | 13♉ 4 | 25♐18 | 5♐41 | 9♏32 | 29°R 6 | 10°R27 | 20♎ 2 | 2°R58 | 20°R10 | 29°R26 | 0♌ 2 | 0♌40 | 22♓ 6 | M 1 |
| T 2 | 7 18 11 | 20° 8'02 | 28°17 | 26°25 | 6°51 | 10° 7 | 28♋58 | 10♋22 | 20° 2 | 2♉58 | 20♉10 | 29°D26 | 29♋58 | 0°47 | 22° 8 | T 2 |
| W 3 | 7 22 8 | 21° 9'09 | 13♒27 | 27°34 | 8° 1 | 10°43 | 28°50 | 10°17 | 20° 3 | 2°58 | 20° 9 | 29♋26 | 29°55 | 0°53 | 22°11 | W 3 |
| T 4 | 7 26 4 | 22°10'15 | 28°25 | 28°45 | 9°11 | 11°18 | 28°42 | 10°13 | 20° 4 | 2°58 | 20° 9 | 29°26 | 29°52 | 1° 0 | 22°13 | T 4 |
| F 5 | 7 30 1 | 23°11'20 | 13♓ 5 | 29°59 | 10°22 | 11°53 | 28°34 | 10° 8 | 20° 4 | 2°D58 | 20° 8 | 29°27 | 29°49 | 1° 7 | 22°15 | F 5 |
| S 6 | 7 33 57 | 24°12'24 | 27°21 | 1♉13 | 11°32 | 12°29 | 28°26 | 10° 3 | 20° 5 | 2°58 | 20° 8 | 29°28 | 29°46 | 1°13 | 22°17 | S 6 |
| S 7 | 7 37 54 | 25°13'27 | 11♈11 | 2°30 | 12°43 | 13° 4 | 28°18 | 9°58 | 20° 6 | 2°58 | 20° 7 | 29°28 | 29°43 | 1°20 | 22°19 | S 7 |
| M 8 | 7 41 51 | 26°14'28 | 24°36 | 3°47 | 13°54 | 13°39 | 28°10 | 9°54 | 20° 6 | 2°58 | 20° 7 | 29°R28 | 29°39 | 1°26 | 22°22 | M 8 |
| T 9 | 7 45 47 | 27°15'29 | 7♉37 | 5° 6 | 15° 4 | 14°14 | 28° 2 | 9°49 | 20° 6 | 2°58 | 20° 7 | 29°28 | 29°36 | 1°33 | 22°24 | T 9 |
| W10 | 7 49 44 | 28°16'28 | 20°18 | 6°27 | 16°15 | 14°49 | 27°54 | 9°45 | 20° 7 | 2°58 | 20° 6 | 29°28 | 29°33 | 1°40 | 22°27 | W10 |
| T 11 | 7 53 40 | 29°17'26 | 2♊42 | 7°48 | 17°26 | 15°24 | 27°46 | 9°40 | 20° 7 | 2°59 | 20° 6 | 29°D28 | 29°30 | 1°46 | 22°29 | T 11 |
| F 12 | 7 57 37 | 0♒18'23 | 14°53 | 9°11 | 18°37 | 15°59 | 27°38 | 9°36 | 20° 7 | 2°59 | 20° 6 | 29°28 | 29°27 | 1°53 | 22°31 | F 12 |
| S 13 | 8 1 33 | 1°19'19 | 26°54 | 10°34 | 19°48 | 16°34 | 27°30 | 9°31 | 20° 8 | 2°59 | 20° 5 | 29°28 | 29°23 | 2° 0 | 22°34 | S 13 |
| S 14 | 8 5 30 | 2°20'14 | 8♋48 | 11°59 | 21° 0 | 17° 8 | 27°22 | 9°27 | 20° 8 | 2°59 | 20° 5 | 29°28 | 29°20 | 2° 6 | 22°37 | S 14 |
| M15 | 8 9 26 | 3°21'07 | 20°37 | 13°24 | 22°11 | 17°43 | 27°14 | 9°22 | 20° 8 | 3° 0 | 20° 5 | 29°28 | 29°17 | 2°13 | 22°39 | M15 |
| T 16 | 8 13 23 | 4°21'59 | 2♌25 | 14°51 | 23°22 | 18°18 | 27° 6 | 9°18 | 20°R 8 | 3° 0 | 20° 5 | 29°R29 | 29°14 | 2°20 | 22°42 | T 16 |
| W17 | 8 17 20 | 5°22'50 | 14°13 | 16°18 | 24°34 | 18°52 | 26°59 | 9°14 | 20° 8 | 3° 0 | 20° 5 | 29°28 | 29°11 | 2°26 | 22°45 | W17 |
| T 18 | 8 21 16 | 6°23'40 | 26° 4 | 17°46 | 25°45 | 19°27 | 26°51 | 9°10 | 20° 8 | 3° 1 | 20° 4 | 29°28 | 29° 8 | 2°33 | 22°47 | T 18 |
| F 19 | 8 25 13 | 7°24'29 | 7♍59 | 19°15 | 26°57 | 20° 1 | 26°43 | 9° 6 | 20° 7 | 3° 1 | 20° 4 | 29°27 | 29° 4 | 2°40 | 22°50 | F 19 |
| S 20 | 8 29 9 | 8°25'16 | 20° 1 | 20°45 | 28° 8 | 20°36 | 26°35 | 9° 2 | 20° 7 | 3° 2 | 20° 4 | 29°26 | 29° 1 | 2°46 | 22°53 | S 20 |
| S 21 | 8 33 6 | 9°26'03 | 2♎13 | 22°16 | 29°20 | 21°10 | 26°28 | 8°58 | 20° 7 | 3° 2 | 20° 4 | 29°24 | 28°58 | 2°53 | 22°56 | S 21 |
| M22 | 8 37 2 | 10°26'48 | 14°37 | 23°47 | 0♉32 | 21°44 | 26°20 | 8°54 | 20° 7 | 3° 3 | 20° 4 | 29°23 | 28°55 | 3° 0 | 22°58 | M22 |
| T 23 | 8 40 59 | 11°27'32 | 27°18 | 25°20 | 1°44 | 22°19 | 26°12 | 8°50 | 20° 6 | 3° 4 | 20° 4 | 29°22 | 28°52 | 3° 6 | 23° 1 | T 23 |
| W24 | 8 44 55 | 12°28'16 | 10♏17 | 26°53 | 2°56 | 22°53 | 26° 5 | 8°47 | 20° 6 | 3° 4 | 20° 4 | 29°D21 | 28°49 | 3°13 | 23° 4 | W24 |
| T 25 | 8 48 52 | 13°28'58 | 23°39 | 28°27 | 4° 8 | 23°27 | 25°58 | 8°43 | 20° 5 | 3° 5 | 20°D 4 | 29°22 | 28°45 | 3°19 | 23° 7 | T 25 |
| F 26 | 8 52 49 | 14°29'39 | 7♐24 | 0♒ 2 | 5°20 | 24° 1 | 25°50 | 8°39 | 20° 5 | 3° 6 | 20° 4 | 29°22 | 28°42 | 3°26 | 23°10 | F 26 |
| S 27 | 8 56 45 | 15°30'19 | 21°35 | 1°38 | 6°32 | 24°35 | 25°43 | 8°36 | 20° 4 | 3° 6 | 20° 4 | 29°24 | 28°39 | 3°33 | 23°13 | S 27 |
| S 28 | 9 0 42 | 16°30'58 | 6♉ 9 | 3°14 | 7°44 | 25° 9 | 25°36 | 8°33 | 20° 4 | 3° 7 | 20° 4 | 29°25 | 28°36 | 3°39 | 23°16 | S 28 |
| M29 | 9 4 38 | 17°31'35 | 21° 3 | 4°52 | 8°56 | 25°42 | 25°29 | 8°29 | 20° 3 | 3° 8 | 20° 4 | 29°26 | 28°33 | 3°46 | 23°19 | M29 |
| T 30 | 9 8 35 | 18°32'11 | 6♒10 | 6°30 | 10° 8 | 26°16 | 25°22 | 8°26 | 20° 2 | 3° 9 | 20° 4 | 29°R26 | 28°29 | 3°53 | 23°23 | T 30 |
| W31 | 9 12 31 | 19♒32'46 | 21♒22 | 8♒ 9 | 11♉20 | 26♏49 | 25♋15 | 8♋23 | 20♎ 2 | 3♉10 | 20♉ 4 | 29♋25 | 28♋26 | 3♌59 | 23♓26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s 9 | 21s23 | 1n30 | 22s12 | 1n14 | 18s54 | 2n28 | 13s37 | 1n 9 | 21n 2 | 0n38 | 22n46 | 0s20 | 7s17 | 0n37 | 10n49 | 1s51 | 4n42 | 13s37 | 20n20 | 20n13 | 20n 8 | 0s 2 | 3n23 |
| T 2 | 22 0 | 20 28 | 0 6 | 22 24 | 1 5 | 19 8 | 2 26 | 13 49 | 1 9 | 21 4 | 0 39 | 22 47 | 0 20 | 7 17 | 0 37 | 10 49 | 1 50 | 4 42 | 13 37 | 20 20 | 20 13 | 20 7 | 0 2 | 3 22 |
| W 3 | 21 51 | 18 4 | 1s17 | 22 34 | 0 55 | 19 21 | 2 23 | 14 0 | 1 8 | 21 5 | 0 39 | 22 47 | 0 20 | 7 17 | 0 37 | 10 49 | 1 50 | 4 42 | 13 37 | 20 20 | 20 14 | 20 7 | 0 1 | 3 22 |
| T 4 | 21 41 | 14 28 | 2 34 | 22 44 | 0 46 | 19 35 | 2 21 | 14 12 | 1 8 | 21 7 | 0 39 | 22 48 | 0 20 | 7 17 | 0 37 | 10 49 | 1 50 | 4 42 | 13 36 | 20 20 | 20 15 | 20 6 | 0 1 | 3 22 |
| F 5 | 21 31 | 10 3 | 3 40 | 22 54 | 0 37 | 19 47 | 2 19 | 14 23 | 1 8 | 21 9 | 0 39 | 22 48 | 0 20 | 7 18 | 0 38 | 10 49 | 1 50 | 4 42 | 13 36 | 20 20 | 20 15 | 20 5 | 0n 0 | 3 22 |
| S 6 | 21 21 | 5 11 | 4 30 | 23 2 | 0 28 | 20 0 | 2 16 | 14 34 | 1 7 | 21 11 | 0 39 | 22 49 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 43 | 13 36 | 20 20 | 20 16 | 20 5 | 0 1 | 3 21 |
| S 7 | 21 10 | 0 12 | 5 2 | 23 10 | 0 20 | 20 11 | 2 14 | 14 45 | 1 7 | 21 12 | 0 39 | 22 49 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 43 | 13 35 | 20 20 | 20 17 | 20 4 | 0 1 | 3 21 |
| M 8 | 20 58 | 4n39 | 5 17 | 23 17 | 0 11 | 20 23 | 2 11 | 14 56 | 1 7 | 21 14 | 0 39 | 22 50 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 43 | 13 35 | 20 20 | 20 17 | 20 4 | 0 2 | 3 21 |
| T 9 | 20 47 | 9 8 | 5 15 | 23 22 | 0 3 | 20 33 | 2 8 | 15 6 | 1 6 | 21 16 | 0 39 | 22 50 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 43 | 13 35 | 20 20 | 20 18 | 20 3 | 0 3 | 3 21 |
| W10 | 20 34 | 13 6 | 4 57 | 23 27 | 0s 5 | 20 43 | 2 6 | 15 17 | 1 6 | 21 18 | 0 40 | 22 51 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 43 | 13 35 | 20 20 | 20 19 | 20 2 | 0 4 | 3 21 |
| T 11 | 20 22 | 16 25 | 4 26 | 23 31 | 0 13 | 20 53 | 2 3 | 15 28 | 1 5 | 21 19 | 0 40 | 22 51 | 0 19 | 7 18 | 0 38 | 10 49 | 1 50 | 4 44 | 13 34 | 20 20 | 20 19 | 20 2 | 0 4 | 3 20 |
| F 12 | 20 9 | 18 57 | 3 44 | 23 33 | 0 21 | 21 2 | 2 0 | 15 38 | 1 5 | 21 21 | 0 40 | 22 51 | 0 19 | 7 18 | 0 38 | 10 50 | 1 50 | 4 44 | 13 34 | 20 20 | 20 20 | 20 1 | 0 5 | 3 20 |
| S 13 | 19 56 | 20 37 | 2 52 | 23 34 | 0 29 | 21 11 | 1 57 | 15 49 | 1 5 | 21 23 | 0 40 | 22 52 | 0 19 | 7 19 | 0 38 | 10 50 | 1 50 | 4 44 | 13 34 | 20 20 | 20 21 | 20 1 | 0 6 | 3 20 |
| S 14 | 19 42 | 21 21 | 1 53 | 23 34 | 0 36 | 21 19 | 1 54 | 15 59 | 1 4 | 21 25 | 0 40 | 22 52 | 0 19 | 7 19 | 0 38 | 10 50 | 1 50 | 4 44 | 13 33 | 20 20 | 20 21 | 20 0 | 0 7 | 3 20 |
| M15 | 19 28 | 21 7 | 0 49 | 23 33 | 0 43 | 21 26 | 1 51 | 16 9 | 1 4 | 21 26 | 0 40 | 22 53 | 0 18 | 7 19 | 0 38 | 10 50 | 1 50 | 4 45 | 13 33 | 20 20 | 20 22 | 19 59 | 0 8 | 3 20 |
| T 16 | 19 14 | 19 57 | 0n16 | 23 31 | 0 50 | 21 33 | 1 48 | 16 19 | 1 3 | 21 28 | 0 40 | 22 53 | 0 18 | 7 19 | 0 38 | 10 50 | 1 50 | 4 45 | 13 33 | 20 20 | 20 23 | 19 59 | 0 9 | 3 19 |
| W17 | 18 59 | 17 55 | 1 21 | 23 27 | 0 57 | 21 40 | 1 45 | 16 29 | 1 3 | 21 30 | 0 40 | 22 54 | 0 18 | 7 19 | 0 38 | 10 50 | 1 49 | 4 45 | 13 32 | 20 20 | 20 23 | 19 58 | 0 9 | 3 19 |
| T 18 | 18 44 | 15 6 | 2 23 | 23 23 | 1 3 | 21 45 | 1 42 | 16 39 | 1 3 | 21 31 | 0 41 | 22 54 | 0 18 | 7 18 | 0 38 | 10 51 | 1 49 | 4 45 | 13 32 | 20 20 | 20 24 | 19 57 | 0 10 | 3 19 |
| F 19 | 18 29 | 11 40 | 3 18 | 23 16 | 1 9 | 21 51 | 1 38 | 16 48 | 1 2 | 21 33 | 0 41 | 22 54 | 0 18 | 7 18 | 0 38 | 10 51 | 1 49 | 4 46 | 13 32 | 20 20 | 20 25 | 19 57 | 0 11 | 3 19 |
| S 20 | 18 13 | 7 44 | 4 5 | 23 9 | 1 15 | 21 55 | 1 35 | 16 58 | 1 2 | 21 34 | 0 41 | 22 55 | 0 18 | 7 18 | 0 38 | 10 51 | 1 49 | 4 46 | 13 32 | 20 20 | 20 25 | 19 56 | 0 12 | 3 19 |
| S 21 | 17 57 | 3 26 | 4 42 | 23 0 | 1 21 | 21 59 | 1 32 | 17 8 | 1 1 | 21 36 | 0 41 | 22 55 | 0 18 | 7 18 | 0 38 | 10 51 | 1 49 | 4 46 | 13 31 | 20 21 | 20 26 | 19 55 | 0 13 | 3 18 |
| M22 | 17 41 | 1s 4 | 5 7 | 22 50 | 1 26 | 22 2 | 1 29 | 17 17 | 1 1 | 21 37 | 0 41 | 22 56 | 0 18 | 7 18 | 0 38 | 10 52 | 1 49 | 4 46 | 13 31 | 20 21 | 20 27 | 19 55 | 0 14 | 3 18 |
| T 23 | 17 24 | 5 37 | 5 17 | 22 38 | 1 31 | 22 5 | 1 25 | 17 26 | 1 0 | 21 39 | 0 41 | 22 56 | 0 17 | 7 18 | 0 38 | 10 52 | 1 49 | 4 47 | 13 31 | 20 21 | 20 27 | 19 54 | 0 15 | 3 18 |
| W24 | 17 7 | 10 1 | 5 12 | 22 25 | 1 36 | 22 7 | 1 22 | 17 35 | 1 0 | 21 40 | 0 41 | 22 56 | 0 17 | 7 18 | 0 38 | 10 52 | 1 49 | 4 47 | 13 30 | 20 21 | 20 28 | 19 53 | 0 16 | 3 18 |
| T 25 | 16 50 | 14 4 | 4 49 | 22 10 | 1 40 | 22 9 | 1 19 | 17 44 | 0 59 | 21 42 | 0 41 | 22 57 | 0 17 | 7 17 | 0 38 | 10 52 | 1 49 | 4 47 | 13 30 | 20 21 | 20 29 | 19 53 | 0 17 | 3 18 |
| F 26 | 16 32 | 17 30 | 4 10 | 21 54 | 1 44 | 22 9 | 1 15 | 17 53 | 0 59 | 21 43 | 0 41 | 22 57 | 0 17 | 7 17 | 0 38 | 10 53 | 1 49 | 4 48 | 13 30 | 20 21 | 20 29 | 19 52 | 0 18 | 3 17 |
| S 27 | 16 14 | 20 1 | 3 15 | 21 37 | 1 48 | 22 10 | 1 12 | 18 2 | 0 58 | 21 45 | 0 41 | 22 57 | 0 17 | 7 17 | 0 38 | 10 53 | 1 49 | 4 48 | 13 29 | 20 21 | 20 30 | 19 51 | 0 19 | 3 17 |
| S 28 | 15 56 | 21 17 | 2 5 | 21 18 | 1 51 | 22 9 | 1 9 | 18 11 | 0 58 | 21 46 | 0 41 | 22 58 | 0 17 | 7 17 | 0 38 | 10 53 | 1 49 | 4 48 | 13 29 | 20 20 | 20 31 | 19 50 | 0 20 | 3 17 |
| M29 | 15 38 | 21 6 | 0 46 | 20 58 | 1 55 | 22 8 | 1 5 | 18 19 | 0 57 | 21 48 | 0 41 | 22 58 | 0 17 | 7 16 | 0 38 | 10 54 | 1 49 | 4 48 | 13 29 | 20 20 | 20 31 | 19 50 | 0 21 | 3 17 |
| T 30 | 15 19 | 19 24 | 0s37 | 20 36 | 1 57 | 22 6 | 1 2 | 18 28 | 0 56 | 21 49 | 0 42 | 22 58 | 0 16 | 7 16 | 0 38 | 10 54 | 1 49 | 4 49 | 13 28 | 20 20 | 20 32 | 19 49 | 0 22 | 3 17 |
| W31 | 15s 0 | 16s18 | 1s58 | 20s13 | 2s 0 | 22s 4 | 0n58 | 18s36 | 0n56 | 21n50 | 0n42 | 22n59 | 0s16 | 7s16 | 0n38 | 10n54 | 1s49 | 4n49 | 13s28 | 20n20 | 20n32 | 19n48 | 0n23 | 3n17 |

Julian Day Number = 2227294.5, Delta T = 08m15s
Ecliptic obliquity = 23°31'03, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'32, Lahiri = 15°17'32 Julian Calendar 1 Jan. 1386 == Greg. Calendar 9 Jan. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## FEBRUARY 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 16 28 | 20♒33'19 | 6♓28 | 9♒49 | 12♉33 | 27♏23 | 25°R 9 | 8°R20 | 20°R 1 | 3♉11 | 20♉ 4 | 29°R23 | 28♋23 | 4♌ 6 | 23♓29 | T 1 |
| F 2 | 9 20 24 | 21°33'50 | 21°20 | 11°30 | 13°45 | 27°56 | 25♋ 2 | 8♋17 | 20♎ 0 | 3°12 | 20° 4 | 29♋20 | 28°20 | 4°13 | 23°32 | F 2 |
| S 3 | 9 24 21 | 22°34'20 | 5♈50 | 13°12 | 14°57 | 28°30 | 24°56 | 8°14 | 19°59 | 3°13 | 20° 5 | 29°16 | 28°17 | 4°19 | 23°35 | S 3 |
| S 4 | 9 28 18 | 23°34'47 | 19°54 | 14°55 | 16°10 | 29° 3 | 24°50 | 8°11 | 19°58 | 3°14 | 20° 5 | 29°13 | 28°14 | 4°26 | 23°39 | S 4 |
| M 5 | 9 32 14 | 24°35'13 | 3♉29 | 16°39 | 17°22 | 29°36 | 24°43 | 8° 9 | 19°57 | 3°15 | 20° 5 | 29°11 | 28°10 | 4°33 | 23°42 | M 5 |
| T 6 | 9 36 11 | 25°35'37 | 16°37 | 18°24 | 18°35 | 0♐ 9 | 24°37 | 8° 6 | 19°56 | 3°16 | 20° 5 | 29° 9 | 28° 7 | 4°39 | 23°45 | T 6 |
| W 7 | 9 40 7 | 26°35'58 | 29°20 | 20° 9 | 19°47 | 0°42 | 24°32 | 8° 4 | 19°55 | 3°17 | 20° 6 | 29°D 9 | 28° 4 | 4°46 | 23°49 | W 7 |
| T 8 | 9 44 4 | 27°36'18 | 11♊42 | 21°56 | 21° 0 | 1°14 | 24°26 | 8° 1 | 19°53 | 3°18 | 20° 6 | 29°10 | 28° 1 | 4°52 | 23°52 | T 8 |
| F 9 | 9 48 0 | 28°36'36 | 23°49 | 23°44 | 22°12 | 1°47 | 24°20 | 7°59 | 19°52 | 3°19 | 20° 6 | 29°11 | 27°58 | 4°59 | 23°55 | F 9 |
| S 10 | 9 51 57 | 29°36'52 | 5♋44 | 25°33 | 23°25 | 2°20 | 24°15 | 7°57 | 19°51 | 3°20 | 20° 6 | 29°13 | 27°55 | 5° 6 | 23°59 | S 10 |
| S 11 | 9 55 53 | 0♓37'05 | 17°33 | 27°22 | 24°37 | 2°52 | 24°10 | 7°55 | 19°49 | 3°22 | 20° 7 | 29°15 | 27°51 | 5°12 | 24° 2 | S 11 |
| M12 | 9 59 50 | 1°37'17 | 29°20 | 29°13 | 25°50 | 3°24 | 24° 5 | 7°53 | 19°48 | 3°23 | 20° 7 | 29°R15 | 27°48 | 5°19 | 24° 5 | M12 |
| T 13 | 10 3 47 | 2°37'27 | 11♌ 7 | 1♓ 5 | 27° 3 | 3°57 | 24° 0 | 7°51 | 19°47 | 3°24 | 20° 8 | 29°15 | 27°45 | 5°26 | 24° 9 | T 13 |
| W14 | 10 7 43 | 3°37'34 | 22°58 | 2°57 | 28°15 | 4°29 | 23°55 | 7°49 | 19°45 | 3°25 | 20° 8 | 29°12 | 27°42 | 5°32 | 24°12 | W14 |
| T 15 | 10 11 40 | 4°37'40 | 4♍56 | 4°51 | 29°28 | 5° 1 | 23°50 | 7°48 | 19°44 | 3°27 | 20° 8 | 29° 8 | 27°39 | 5°39 | 24°16 | T 15 |
| F 16 | 10 15 36 | 5°37'44 | 17° 1 | 6°45 | 0♒41 | 5°33 | 23°46 | 7°46 | 19°42 | 3°28 | 20° 9 | 29° 2 | 27°35 | 5°46 | 24°19 | F 16 |
| S 17 | 10 19 33 | 6°37'46 | 29°15 | 8°41 | 1°54 | 6° 4 | 23°42 | 7°45 | 19°40 | 3°29 | 20° 9 | 28°55 | 27°32 | 5°52 | 24°23 | S 17 |
| S 18 | 10 23 29 | 7°37'46 | 11♎40 | 10°37 | 3° 6 | 6°36 | 23°38 | 7°44 | 19°39 | 3°31 | 20°10 | 28°48 | 27°29 | 5°59 | 24°26 | S 18 |
| M19 | 10 27 26 | 8°37'45 | 24°17 | 12°33 | 4°19 | 7° 8 | 23°34 | 7°42 | 19°37 | 3°32 | 20°10 | 28°41 | 27°26 | 6° 6 | 24°30 | M19 |
| T 20 | 10 31 22 | 9°37'41 | 7♏ 6 | 14°30 | 5°32 | 7°39 | 23°30 | 7°41 | 19°35 | 3°34 | 20°11 | 28°36 | 27°23 | 6°12 | 24°33 | T 20 |
| W21 | 10 35 19 | 10°37'36 | 20°10 | 16°28 | 6°45 | 8°10 | 23°26 | 7°40 | 19°34 | 3°35 | 20°11 | 28°32 | 27°20 | 6°19 | 24°37 | W21 |
| T 22 | 10 39 15 | 11°37'30 | 3♐30 | 18°26 | 7°58 | 8°41 | 23°23 | 7°40 | 19°32 | 3°37 | 20°12 | 28°30 | 27°16 | 6°26 | 24°41 | T 22 |
| F 23 | 10 43 12 | 12°37'22 | 17° 8 | 20°24 | 9°11 | 9°12 | 23°20 | 7°39 | 19°30 | 3°38 | 20°13 | 28°D30 | 27°13 | 6°32 | 24°44 | F 23 |
| S 24 | 10 47 9 | 13°37'12 | 1♑ 5 | 22°21 | 10°24 | 9°43 | 23°17 | 7°38 | 19°28 | 3°40 | 20°13 | 28°31 | 27°10 | 6°39 | 24°48 | S 24 |
| S 25 | 10 51 5 | 14°37'00 | 15°20 | 24°18 | 11°37 | 10°14 | 23°14 | 7°38 | 19°26 | 3°42 | 20°14 | 28°32 | 27° 7 | 6°45 | 24°51 | S 25 |
| M26 | 10 55 2 | 15°36'47 | 29°54 | 26°15 | 12°50 | 10°44 | 23°11 | 7°37 | 19°24 | 3°43 | 20°14 | 28°R32 | 27° 4 | 6°52 | 24°55 | M26 |
| T 27 | 10 58 58 | 16°36'32 | 14♒41 | 28°10 | 14° 3 | 11°15 | 23° 9 | 7°37 | 19°22 | 3°45 | 20°15 | 28°31 | 27° 0 | 6°59 | 24°59 | T 27 |
| W28 | 11 2 55 | 17♓36'15 | 29♒36 | 0♈ 4 | 15♒16 | 11♐45 | 23♋ 7 | 7♋37 | 19♎20 | 3♉46 | 20♉16 | 28♋28 | 26♋57 | 7♌ 5 | 25♓ 2 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s41 | 12s 7 | 3s11 | 19s48 | 2s 2 | 22s 1 | 0n55 | 18s45 | 0n55 | 21n51 | 0n42 | 22n59 | 0s16 | 7s15 | 0n38 | 10n55 | 1s49 | 4n49 | 13s28 | 20n21 | 20n33 | 19n48 | 0n25 | 3n16 |
| F 2 | 14 22 | 7 15 | 4 9 | 19 22 | 2 3 | 21 57 | 0 51 | 18 53 | 0 55 | 21 53 | 0 42 | 22 59 | 0 16 | 7 15 | 0 38 | 10 55 | 1 49 | 4 50 | 13 28 | 20 21 | 20 34 | 19 47 | 0 26 | 3 16 |
| S 3 | 14 2 | 2 6 | 4 49 | 18 54 | 2 5 | 21 53 | 0 48 | 19 1 | 0 54 | 21 54 | 0 42 | 23 0 | 0 16 | 7 15 | 0 38 | 10 55 | 1 48 | 4 50 | 13 27 | 20 22 | 20 34 | 19 46 | 0 27 | 3 16 |
| S 4 | 13 42 | 3n 0 | 5 11 | 18 25 | 2 6 | 21 48 | 0 44 | 19 9 | 0 53 | 21 55 | 0 42 | 23 0 | 0 16 | 7 14 | 0 38 | 10 56 | 1 48 | 4 50 | 13 27 | 20 23 | 20 35 | 19 45 | 0 28 | 3 16 |
| M 5 | 13 22 | 7 47 | 5 14 | 17 54 | 2 6 | 21 42 | 0 41 | 19 16 | 0 53 | 21 56 | 0 42 | 23 0 | 0 16 | 7 14 | 0 38 | 10 56 | 1 48 | 4 51 | 13 27 | 20 23 | 20 36 | 19 45 | 0 29 | 3 16 |
| T 6 | 13 2 | 12 3 | 5 1 | 17 22 | 2 6 | 21 36 | 0 38 | 19 24 | 0 52 | 21 57 | 0 42 | 23 1 | 0 16 | 7 13 | 0 38 | 10 57 | 1 48 | 4 51 | 13 26 | 20 24 | 20 36 | 19 44 | 0 30 | 3 16 |
| W 7 | 12 41 | 15 38 | 4 33 | 16 48 | 2 6 | 21 29 | 0 34 | 19 31 | 0 51 | 21 58 | 0 42 | 23 1 | 0 15 | 7 13 | 0 38 | 10 57 | 1 48 | 4 52 | 13 26 | 20 24 | 20 37 | 19 43 | 0 32 | 3 16 |
| T 8 | 12 21 | 18 25 | 3 52 | 16 12 | 2 5 | 21 22 | 0 31 | 19 39 | 0 51 | 22 0 | 0 42 | 23 1 | 0 15 | 7 13 | 0 38 | 10 58 | 1 48 | 4 52 | 13 26 | 20 24 | 20 38 | 19 42 | 0 33 | 3 15 |
| F 9 | 12 0 | 20 20 | 3 3 | 15 36 | 2 3 | 21 14 | 0 27 | 19 46 | 0 50 | 22 1 | 0 42 | 23 1 | 0 15 | 7 12 | 0 38 | 10 58 | 1 48 | 4 52 | 13 25 | 20 23 | 20 38 | 19 42 | 0 34 | 3 15 |
| S 10 | 11 39 | 21 18 | 2 6 | 14 57 | 2 2 | 21 5 | 0 24 | 19 53 | 0 49 | 22 2 | 0 42 | 23 2 | 0 15 | 7 12 | 0 38 | 10 58 | 1 48 | 4 53 | 13 25 | 20 23 | 20 39 | 19 41 | 0 35 | 3 15 |
| S 11 | 11 17 | 21 18 | 1 4 | 14 17 | 1 59 | 20 56 | 0 21 | 20 0 | 0 49 | 22 2 | 0 42 | 23 2 | 0 15 | 7 11 | 0 39 | 10 59 | 1 48 | 4 53 | 13 25 | 20 23 | 20 40 | 19 40 | 0 36 | 3 15 |
| M12 | 10 56 | 20 22 | 0n 0 | 13 36 | 1 56 | 20 46 | 0 17 | 20 7 | 0 48 | 22 3 | 0 42 | 23 2 | 0 15 | 7 10 | 0 39 | 10 59 | 1 48 | 4 53 | 13 24 | 20 22 | 20 40 | 19 39 | 0 38 | 3 15 |
| T 13 | 10 34 | 18 32 | 1 5 | 12 53 | 1 53 | 20 35 | 0 14 | 20 14 | 0 47 | 22 4 | 0 42 | 23 2 | 0 15 | 7 10 | 0 39 | 11 0 | 1 48 | 4 54 | 13 24 | 20 23 | 20 41 | 19 39 | 0 39 | 3 15 |
| W14 | 10 13 | 15 53 | 2 6 | 12 9 | 1 49 | 20 24 | 0 11 | 20 21 | 0 46 | 22 5 | 0 42 | 23 3 | 0 15 | 7 9 | 0 39 | 11 0 | 1 48 | 4 54 | 13 24 | 20 23 | 20 41 | 19 38 | 0 40 | 3 15 |
| T 15 | 9 51 | 12 34 | 3 3 | 11 23 | 1 45 | 20 13 | 0 7 | 20 28 | 0 45 | 22 6 | 0 42 | 23 3 | 0 14 | 7 9 | 0 39 | 11 1 | 1 48 | 4 55 | 13 24 | 20 24 | 20 42 | 19 37 | 0 41 | 3 15 |
| F 16 | 9 29 | 8 41 | 3 51 | 10 36 | 1 40 | 20 0 | 0 4 | 20 34 | 0 45 | 22 7 | 0 42 | 23 3 | 0 14 | 7 8 | 0 39 | 11 1 | 1 48 | 4 55 | 13 23 | 20 25 | 20 43 | 19 36 | 0 43 | 3 14 |
| S 17 | 9 6 | 4 25 | 4 30 | 9 48 | 1 34 | 19 47 | 0 1 | 20 40 | 0 44 | 22 8 | 0 42 | 23 3 | 0 14 | 7 7 | 0 39 | 11 2 | 1 48 | 4 55 | 13 23 | 20 27 | 20 43 | 19 35 | 0 44 | 3 14 |
| S 18 | 8 44 | 0s 5 | 4 57 | 8 58 | 1 28 | 19 34 | 0s 2 | 20 47 | 0 43 | 22 8 | 0 42 | 23 3 | 0 14 | 7 7 | 0 39 | 11 2 | 1 48 | 4 56 | 13 23 | 20 28 | 20 44 | 19 35 | 0 45 | 3 14 |
| M19 | 8 22 | 4 39 | 5 9 | 8 7 | 1 21 | 19 20 | 0 6 | 20 53 | 0 42 | 22 9 | 0 42 | 23 4 | 0 14 | 7 6 | 0 39 | 11 3 | 1 48 | 4 56 | 13 22 | 20 29 | 20 45 | 19 34 | 0 47 | 3 14 |
| T 20 | 7 59 | 9 6 | 5 7 | 7 15 | 1 14 | 19 5 | 0 9 | 20 59 | 0 41 | 22 10 | 0 42 | 23 4 | 0 14 | 7 6 | 0 39 | 11 4 | 1 48 | 4 57 | 13 22 | 20 31 | 20 45 | 19 33 | 0 48 | 3 14 |
| W21 | 7 36 | 13 13 | 4 48 | 6 22 | 1 6 | 18 50 | 0 12 | 21 5 | 0 40 | 22 10 | 0 42 | 23 4 | 0 14 | 7 5 | 0 39 | 11 4 | 1 47 | 4 57 | 13 22 | 20 31 | 20 46 | 19 32 | 0 49 | 3 14 |
| T 22 | 7 14 | 16 46 | 4 14 | 5 28 | 0 58 | 18 35 | 0 15 | 21 11 | 0 39 | 22 11 | 0 42 | 23 4 | 0 14 | 7 4 | 0 39 | 11 5 | 1 47 | 4 58 | 13 21 | 20 32 | 20 46 | 19 31 | 0 50 | 3 14 |
| F 23 | 6 51 | 19 29 | 3 25 | 4 34 | 0 48 | 18 18 | 0 18 | 21 16 | 0 38 | 22 11 | 0 42 | 23 4 | 0 13 | 7 3 | 0 39 | 11 5 | 1 47 | 4 58 | 13 21 | 20 32 | 20 47 | 19 31 | 0 52 | 3 14 |
| S 24 | 6 28 | 21 8 | 2 23 | 3 38 | 0 39 | 18 2 | 0 21 | 21 22 | 0 37 | 22 12 | 0 42 | 23 5 | 0 13 | 7 3 | 0 39 | 11 6 | 1 47 | 4 58 | 13 21 | 20 32 | 20 48 | 19 30 | 0 53 | 3 14 |
| S 25 | 6 5 | 21 28 | 1 11 | 2 42 | 0 29 | 17 44 | 0 24 | 21 27 | 0 36 | 22 12 | 0 42 | 23 5 | 0 13 | 7 2 | 0 39 | 11 6 | 1 47 | 4 59 | 13 21 | 20 31 | 20 48 | 19 29 | 0 54 | 3 13 |
| M26 | 5 41 | 20 22 | 0s 7 | 1 46 | 0 18 | 17 27 | 0 27 | 21 33 | 0 35 | 22 13 | 0 42 | 23 5 | 0 13 | 7 1 | 0 39 | 11 7 | 1 47 | 4 59 | 13 20 | 20 31 | 20 49 | 19 28 | 0 56 | 3 13 |
| T 27 | 5 18 | 17 51 | 1 26 | 0 50 | 0 7 | 17 8 | 0 30 | 21 38 | 0 34 | 22 13 | 0 42 | 23 5 | 0 13 | 7 0 | 0 39 | 11 8 | 1 47 | 5 0 | 13 20 | 20 31 | 20 50 | 19 27 | 0 57 | 3 13 |
| W28 | 4s55 | 14s 8 | 2s40 | 0n 6 | 0n 5 | 16s50 | 0s32 | 21s43 | 0n33 | 22n14 | 0n42 | 23n 5 | 0s13 | 7s 0 | 0n39 | 11n 8 | 1s47 | 5n 0 | 13s20 | 20n32 | 20n50 | 19n26 | 0n59 | 3n13 |

Julian Day Number = 2227325.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'36, Lahiri = 15°17'36 Julian Calendar 1 Feb. 1386 == Greg. Calendar 9 Feb. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## MARCH 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 6 51 | 18♓35'56 | 14♓31 | 1♈55 | 16♒29 | 12♐15 | 23°R 5 | 7°D37 | 19°R18 | 3♉48 | 20♉17 | 28°R23 | 26♋54 | 7♌12 | 25♓ 6 | T 1 |
| F 2 | 11 10 48 | 19°35'35 | 29°19 | 3°45 | 17°42 | 12°45 | 23♋ 3 | 7♋37 | 19♎16 | 3°50 | 20°17 | 28♋15 | 26°51 | 7°19 | 25° 9 | F 2 |
| S 3 | 11 14 44 | 20°35'11 | 13♈50 | 5°31 | 18°55 | 13°15 | 23° 1 | 7°37 | 19°14 | 3°52 | 20°18 | 28° 7 | 26°48 | 7°25 | 25°13 | S 3 |
| S 4 | 11 18 41 | 21°34'46 | 27°57 | 7°15 | 20° 8 | 13°44 | 23° 0 | 7°37 | 19°12 | 3°53 | 20°19 | 27°58 | 26°45 | 7°32 | 25°17 | S 4 |
| M 5 | 11 22 38 | 22°34'19 | 11♉39 | 8°54 | 21°21 | 14°13 | 22°58 | 7°38 | 19°10 | 3°55 | 20°20 | 27°50 | 26°41 | 7°39 | 25°20 | M 5 |
| T 6 | 11 26 34 | 23°33'49 | 24°52 | 10°30 | 22°34 | 14°42 | 22°57 | 7°38 | 19° 7 | 3°57 | 20°20 | 27°44 | 26°38 | 7°45 | 25°24 | T 6 |
| W 7 | 11 30 31 | 24°33'17 | 7♊40 | 12° 1 | 23°47 | 15°11 | 22°56 | 7°39 | 19° 5 | 3°59 | 20°21 | 27°41 | 26°35 | 7°52 | 25°28 | W 7 |
| T 8 | 11 34 27 | 25°32'42 | 20° 5 | 13°27 | 25° 0 | 15°40 | 22°56 | 7°39 | 19° 3 | 4° 1 | 20°22 | 27°39 | 26°32 | 7°59 | 25°31 | T 8 |
| F 9 | 11 38 24 | 26°32'05 | 2♋13 | 14°48 | 26°13 | 16° 9 | 22°55 | 7°40 | 19° 1 | 4° 2 | 20°23 | 27°D39 | 26°29 | 8° 5 | 25°35 | F 9 |
| S 10 | 11 42 20 | 27°31'26 | 14° 8 | 16° 2 | 27°26 | 16°37 | 22°55 | 7°41 | 18°58 | 4° 4 | 20°24 | 27°40 | 26°26 | 8°12 | 25°39 | S 10 |
| S 11 | 11 46 17 | 28°30'45 | 25°57 | 17°11 | 28°40 | 17° 5 | 22°D55 | 7°42 | 18°56 | 4° 6 | 20°25 | 27°R41 | 26°22 | 8°19 | 25°42 | S 11 |
| M12 | 11 50 13 | 29°30'01 | 7♌43 | 18°14 | 29°53 | 17°33 | 22°55 | 7°43 | 18°54 | 4° 8 | 20°26 | 27°40 | 26°19 | 8°25 | 25°46 | M12 |
| T 13 | 11 54 10 | 0♈29'15 | 19°33 | 19°10 | 1♓ 6 | 18° 1 | 22°55 | 7°45 | 18°51 | 4°10 | 20°26 | 27°38 | 26°16 | 8°32 | 25°50 | T 13 |
| W14 | 11 58 7 | 1°28'27 | 1♍29 | 19°59 | 2°19 | 18°29 | 22°55 | 7°46 | 18°49 | 4°12 | 20°27 | 27°33 | 26°13 | 8°38 | 25°53 | W14 |
| T 15 | 12 2 3 | 2°27'36 | 13°35 | 20°41 | 3°32 | 18°56 | 22°56 | 7°47 | 18°46 | 4°14 | 20°28 | 27°25 | 26°10 | 8°45 | 25°57 | T 15 |
| F 16 | 12 6 0 | 3°26'43 | 25°52 | 21°17 | 4°45 | 19°23 | 22°57 | 7°49 | 18°44 | 4°16 | 20°29 | 27°15 | 26° 6 | 8°52 | 26° 0 | F 16 |
| S 17 | 12 9 56 | 4°25'48 | 8♎22 | 21°45 | 5°58 | 19°50 | 22°58 | 7°51 | 18°42 | 4°18 | 20°30 | 27° 3 | 26° 3 | 8°58 | 26° 4 | S 17 |
| S 18 | 12 13 53 | 5°24'51 | 21° 5 | 22° 6 | 7°12 | 20°17 | 22°59 | 7°52 | 18°39 | 4°20 | 20°31 | 26°51 | 26° 0 | 9° 5 | 26° 8 | S 18 |
| M19 | 12 17 49 | 6°23'52 | 4♏ 1 | 22°20 | 8°25 | 20°43 | 23° 0 | 7°54 | 18°37 | 4°22 | 20°32 | 26°40 | 25°57 | 9°12 | 26°11 | M19 |
| T 20 | 12 21 46 | 7°22'52 | 17° 9 | 22°27 | 9°38 | 21° 9 | 23° 2 | 7°56 | 18°34 | 4°24 | 20°33 | 26°30 | 25°54 | 9°18 | 26°15 | T 20 |
| W21 | 12 25 42 | 8°21'49 | 0♐28 | 22°R27 | 10°51 | 21°35 | 23° 4 | 7°59 | 18°32 | 4°26 | 20°34 | 26°22 | 25°51 | 9°25 | 26°19 | W21 |
| T 22 | 12 29 39 | 9°20'44 | 13°59 | 22°21 | 12° 4 | 22° 1 | 23° 6 | 8° 1 | 18°29 | 4°28 | 20°35 | 26°17 | 25°47 | 9°32 | 26°22 | T 22 |
| F 23 | 12 33 35 | 10°19'38 | 27°40 | 22° 8 | 13°18 | 22°26 | 23° 8 | 8° 3 | 18°27 | 4°30 | 20°36 | 26°15 | 25°44 | 9°38 | 26°26 | F 23 |
| S 24 | 12 37 32 | 11°18'30 | 11♑33 | 21°50 | 14°31 | 22°51 | 23°10 | 8° 5 | 18°24 | 4°32 | 20°37 | 26°D14 | 25°41 | 9°45 | 26°29 | S 24 |
| S 25 | 12 41 29 | 12°17'21 | 25°37 | 21°26 | 15°44 | 23°16 | 23°13 | 8° 8 | 18°22 | 4°35 | 20°39 | 26°R14 | 25°38 | 9°52 | 26°33 | S 25 |
| M26 | 12 45 25 | 13°16'09 | 9♒53 | 20°57 | 16°57 | 23°40 | 23°15 | 8°11 | 18°19 | 4°37 | 20°40 | 26°14 | 25°35 | 9°58 | 26°36 | M26 |
| T 27 | 12 49 22 | 14°14'56 | 24°17 | 20°24 | 18°11 | 24° 5 | 23°18 | 8°13 | 18°16 | 4°39 | 20°41 | 26°12 | 25°31 | 10° 5 | 26°40 | T 27 |
| W28 | 12 53 18 | 15°13'41 | 8♓48 | 19°47 | 19°24 | 24°28 | 23°21 | 8°16 | 18°14 | 4°41 | 20°42 | 26° 7 | 25°28 | 10°12 | 26°43 | W28 |
| T 29 | 12 57 15 | 16°12'24 | 23°20 | 19° 7 | 20°37 | 24°52 | 23°24 | 8°19 | 18°11 | 4°43 | 20°43 | 25°59 | 25°25 | 10°18 | 26°47 | T 29 |
| F 30 | 13 1 11 | 17°11'06 | 7♈47 | 18°26 | 21°50 | 25°15 | 23°28 | 8°22 | 18° 9 | 4°45 | 20°44 | 25°49 | 25°22 | 10°25 | 26°50 | F 30 |
| S 31 | 13 5 8 | 18♈ 9'45 | 22♈ 2 | 17♈43 | 23♓ 4 | 25♐38 | 23♋31 | 8♋25 | 18♎ 6 | 4♉47 | 20♉45 | 25♋37 | 25♋19 | 10♌31 | 26♓54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 4s31 | 9s31 | 3s42 | 1n 1 | 0n17 | 16s31 | 0s35 | 21s48 | 0n32 | 22n14 | 0n42 | 23n 5 | 0s13 | 6s59 | 0n39 | 11n 9 | 1s47 | 5n 1 | 13s19 | 20n33 | 20n51 | 19n25 | 1n 0 | 3n13 | |
| F 2 | 4 8 | 4 23 | 4 29 | 1 56 | 0 29 | 16 11 | 0 38 | 21 53 | 0 31 | 22 14 | 0 42 | 23 5 | 0 13 | 6 58 | 0 39 | 11 9 | 1 47 | 5 1 | 13 19 | 20 35 | 20 51 | 19 25 | 1 1 | 3 13 | |
| S 3 | 3 45 | 0n54 | 4 57 | 2 50 | 0 41 | 15 51 | 0 41 | 21 58 | 0 30 | 22 15 | 0 42 | 23 6 | 0 12 | 6 57 | 0 39 | 11 10 | 1 47 | 5 2 | 13 19 | 20 36 | 20 52 | 19 24 | 1 3 | 3 13 | |
| S 4 | 3 21 | 6 0 | 5 7 | 3 43 | 0 54 | 15 30 | 0 43 | 22 3 | 0 29 | 22 15 | 0 42 | 23 6 | 0 12 | 6 56 | 0 39 | 11 11 | 1 47 | 5 2 | 13 19 | 20 38 | 20 53 | 19 23 | 1 4 | 3 13 | |
| M 5 | 2 57 | 10 39 | 4 58 | 4 34 | 1 6 | 15 9 | 0 46 | 22 7 | 0 28 | 22 15 | 0 42 | 23 6 | 0 12 | 6 56 | 0 39 | 11 11 | 1 47 | 5 2 | 13 18 | 20 40 | 20 53 | 19 22 | 1 5 | 3 13 | |
| T 6 | 2 34 | 14 38 | 4 33 | 5 23 | 1 19 | 14 48 | 0 48 | 22 12 | 0 27 | 22 15 | 0 42 | 23 6 | 0 12 | 6 55 | 0 39 | 11 12 | 1 47 | 5 3 | 13 18 | 20 41 | 20 54 | 19 21 | 1 7 | 3 13 | |
| W 7 | 2 10 | 17 47 | 3 56 | 6 10 | 1 32 | 14 26 | 0 51 | 22 16 | 0 25 | 22 15 | 0 42 | 23 6 | 0 12 | 6 54 | 0 39 | 11 13 | 1 47 | 5 3 | 13 18 | 20 42 | 20 54 | 19 20 | 1 8 | 3 13 | |
| T 8 | 1 47 | 20 2 | 3 8 | 6 55 | 1 44 | 14 4 | 0 53 | 22 21 | 0 24 | 22 15 | 0 42 | 23 6 | 0 12 | 6 53 | 0 39 | 11 13 | 1 47 | 5 4 | 13 18 | 20 42 | 20 55 | 19 19 | 1 10 | 3 13 | |
| F 9 | 1 23 | 21 18 | 2 12 | 7 37 | 1 56 | 13 41 | 0 55 | 22 25 | 0 23 | 22 15 | 0 42 | 23 6 | 0 12 | 6 52 | 0 39 | 11 14 | 1 47 | 5 4 | 13 17 | 20 42 | 20 56 | 19 18 | 1 11 | 3 13 | |
| S 10 | 0 59 | 21 34 | 1 12 | 8 17 | 2 7 | 13 18 | 0 58 | 22 29 | 0 22 | 22 15 | 0 42 | 23 6 | 0 12 | 6 51 | 0 39 | 11 15 | 1 47 | 5 5 | 13 17 | 20 42 | 20 56 | 19 18 | 1 12 | 3 12 | |
| S 11 | 0 36 | 20 53 | 0 9 | 8 54 | 2 18 | 12 55 | 1 0 | 22 33 | 0 20 | 22 15 | 0 42 | 23 6 | 0 11 | 6 50 | 0 39 | 11 15 | 1 47 | 5 5 | 13 17 | 20 42 | 20 57 | 19 17 | 1 14 | 3 12 | |
| M12 | 0 12 | 19 16 | 0n54 | 9 27 | 2 28 | 12 31 | 1 2 | 22 37 | 0 19 | 22 15 | 0 42 | 23 6 | 0 11 | 6 49 | 0 39 | 11 16 | 1 47 | 5 6 | 13 17 | 20 42 | 20 57 | 19 16 | 1 15 | 3 12 | |
| T 13 | 0n12 | 16 49 | 1 54 | 9 58 | 2 38 | 12 7 | 1 4 | 22 41 | 0 18 | 22 15 | 0 42 | 23 6 | 0 11 | 6 49 | 0 39 | 11 17 | 1 47 | 5 6 | 13 16 | 20 42 | 20 58 | 19 15 | 1 17 | 3 12 | |
| W14 | 0 35 | 13 38 | 2 50 | 10 24 | 2 47 | 11 43 | 1 6 | 22 45 | 0 16 | 22 15 | 0 42 | 23 6 | 0 11 | 6 48 | 0 39 | 11 17 | 1 47 | 5 7 | 13 16 | 20 43 | 20 59 | 19 14 | 1 18 | 3 12 | |
| T 15 | 0 59 | 9 51 | 3 39 | 10 48 | 2 54 | 11 18 | 1 8 | 22 48 | 0 15 | 22 15 | 0 42 | 23 6 | 0 11 | 6 47 | 0 39 | 11 18 | 1 47 | 5 7 | 13 16 | 20 45 | 20 59 | 19 13 | 1 19 | 3 12 | |
| F 16 | 1 22 | 5 36 | 4 19 | 11 7 | 3 1 | 10 53 | 1 10 | 22 52 | 0 13 | 22 15 | 0 42 | 23 6 | 0 11 | 6 46 | 0 39 | 11 19 | 1 47 | 5 7 | 13 16 | 20 47 | 21 0 | 19 12 | 1 21 | 3 12 | |
| S 17 | 1 46 | 1 4 | 4 47 | 11 23 | 3 7 | 10 28 | 1 12 | 22 56 | 0 12 | 22 15 | 0 42 | 23 6 | 0 11 | 6 45 | 0 39 | 11 19 | 1 46 | 5 8 | 13 15 | 20 49 | 21 0 | 19 11 | 1 22 | 3 12 | |
| S 18 | 2 9 | 3s36 | 5 1 | 11 35 | 3 11 | 10 2 | 1 14 | 22 59 | 0 10 | 22 15 | 0 42 | 23 6 | 0 11 | 6 44 | 0 39 | 11 20 | 1 46 | 5 8 | 13 15 | 20 51 | 21 1 | 19 10 | 1 24 | 3 12 | |
| M19 | 2 33 | 8 12 | 5 0 | 11 44 | 3 14 | 9 36 | 1 15 | 23 3 | 0 9 | 22 14 | 0 42 | 23 6 | 0 10 | 6 43 | 0 39 | 11 21 | 1 46 | 5 9 | 13 15 | 20 54 | 21 2 | 19 9 | 1 25 | 3 12 | |
| T 20 | 2 56 | 12 29 | 4 43 | 11 48 | 3 16 | 9 10 | 1 17 | 23 6 | 0 7 | 22 14 | 0 42 | 23 6 | 0 10 | 6 42 | 0 39 | 11 22 | 1 46 | 5 9 | 13 15 | 20 55 | 21 2 | 19 8 | 1 26 | 3 12 | |
| W21 | 3 20 | 16 14 | 4 11 | 11 48 | 3 17 | 8 44 | 1 18 | 23 9 | 0 6 | 22 14 | 0 42 | 23 6 | 0 10 | 6 41 | 0 39 | 11 22 | 1 46 | 5 10 | 13 15 | 20 57 | 21 3 | 19 7 | 1 28 | 3 12 | |
| T 22 | 3 43 | 19 10 | 3 24 | 11 45 | 3 16 | 8 17 | 1 20 | 23 12 | 0 4 | 22 13 | 0 42 | 23 6 | 0 10 | 6 40 | 0 39 | 11 23 | 1 46 | 5 10 | 13 14 | 20 58 | 21 3 | 19 6 | 1 29 | 3 12 | |
| F 23 | 4 6 | 21 4 | 2 25 | 11 38 | 3 13 | 7 50 | 1 21 | 23 16 | 0 2 | 22 13 | 0 42 | 23 6 | 0 10 | 6 39 | 0 39 | 11 24 | 1 46 | 5 11 | 13 14 | 20 58 | 21 4 | 19 5 | 1 31 | 3 12 | |
| S 24 | 4 29 | 21 44 | 1 17 | 11 27 | 3 9 | 7 23 | 1 23 | 23 19 | 0 1 | 22 13 | 0 42 | 23 6 | 0 10 | 6 38 | 0 39 | 11 24 | 1 46 | 5 11 | 13 14 | 20 58 | 21 5 | 19 4 | 1 32 | 3 12 | |
| S 25 | 4 52 | 21 2 | 0 3 | 11 12 | 3 3 | 6 56 | 1 24 | 23 22 | 0s 1 | 22 12 | 0 42 | 23 6 | 0 10 | 6 37 | 0 39 | 11 25 | 1 46 | 5 12 | 13 14 | 20 58 | 21 5 | 19 3 | 1 33 | 3 12 | |
| M26 | 5 15 | 18 59 | 1s12 | 10 55 | 2 56 | 6 28 | 1 25 | 23 25 | 0 3 | 22 12 | 0 42 | 23 6 | 0 10 | 6 36 | 0 39 | 11 26 | 1 46 | 5 12 | 13 13 | 20 58 | 21 6 | 19 2 | 1 35 | 3 12 | |
| T 27 | 5 38 | 15 43 | 2 23 | 10 34 | 2 47 | 6 1 | 1 26 | 23 28 | 0 5 | 22 11 | 0 42 | 23 6 | 0 10 | 6 35 | 0 39 | 11 27 | 1 46 | 5 13 | 13 13 | 20 59 | 21 6 | 19 2 | 1 36 | 3 12 | |
| W28 | 6 1 | 11 28 | 3 25 | 10 11 | 2 37 | 5 33 | 1 27 | 23 31 | 0 6 | 22 11 | 0 42 | 23 6 | 0 9 | 6 34 | 0 39 | 11 27 | 1 46 | 5 13 | 13 13 | 21 0 | 21 7 | 19 1 | 1 38 | 3 12 | |
| T 29 | 6 24 | 6 32 | 4 14 | 9 45 | 2 25 | 5 5 | 1 28 | 23 33 | 0 8 | 22 10 | 0 42 | 23 6 | 0 9 | 6 33 | 0 39 | 11 28 | 1 46 | 5 14 | 13 13 | 21 1 | 21 8 | 19 0 | 1 39 | 3 12 | |
| F 30 | 6 46 | 1 17 | 4 46 | 9 17 | 2 12 | 4 37 | 1 29 | 23 36 | 0 10 | 22 9 | 0 42 | 23 6 | 0 9 | 6 32 | 0 39 | 11 29 | 1 46 | 5 14 | 13 13 | 21 3 | 21 8 | 18 59 | 1 40 | 3 12 | |
| S 31 | 7n 9 | 3n58 | 5s 0 | 8n48 | 1n58 | 4s 9 | 1s30 | 23s39 | 0s12 | 22n 9 | 0n42 | 23n 6 | 0s 9 | 6s31 | 0n39 | 11n30 | 1s46 | 5n14 | 13s13 | 21n 5 | 21n 9 | 18n58 | 1n42 | 3n12 | |

Julian Day Number = 2227353.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'40, Lahiri = 15°17'40 Julian Calendar 1 March 1386 == Greg. Calendar 9 March 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## APRIL 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 9 4 | 19♈ 8'23 | 6♉ 0 | 16°R59 | 24♓17 | 26♐ 1 | 23♋35 | 8♋29 | 18°R 4 | 4♉50 | 20♉47 | 25°R25 | 25♋16 | 10♌38 | 26♓57 | S 1 |
| M 2 | 13 13 1 | 20° 6'58 | 19°36 | 16♈16 | 25°30 | 26°23 | 23°39 | 8°32 | 18♎ 1 | 4°52 | 20°48 | 25♋14 | 25°12 | 10°45 | 27° 1 | M 2 |
| T 3 | 13 16 58 | 21° 5'31 | 2♊47 | 15°35 | 26°43 | 26°45 | 23°43 | 8°35 | 17°58 | 4°54 | 20°49 | 25° 5 | 25° 9 | 10°51 | 27° 4 | T 3 |
| W 4 | 13 20 54 | 22° 4'03 | 15°36 | 14°55 | 27°57 | 27° 6 | 23°47 | 8°39 | 17°56 | 4°56 | 20°50 | 24°58 | 25° 6 | 10°58 | 27° 8 | W 4 |
| T 5 | 13 24 51 | 23° 2'32 | 28° 2 | 14°17 | 29°10 | 27°27 | 23°52 | 8°42 | 17°53 | 4°58 | 20°51 | 24°54 | 25° 3 | 11° 5 | 27°11 | T 5 |
| F 6 | 13 28 47 | 24° 0'59 | 10♋12 | 13°43 | 0♈23 | 27°48 | 23°56 | 8°46 | 17°51 | 5° 1 | 20°53 | 24°53 | 25° 0 | 11°11 | 27°14 | F 6 |
| S 7 | 13 32 44 | 24°59'24 | 22° 9 | 13°12 | 1°37 | 28° 9 | 24° 1 | 8°50 | 17°48 | 5° 3 | 20°54 | 24°52 | 24°57 | 11°18 | 27°18 | S 7 |
| S 8 | 13 36 40 | 25°57'46 | 3♌59 | 12°45 | 2°50 | 28°29 | 24° 6 | 8°54 | 17°46 | 5° 5 | 20°55 | 24°52 | 24°53 | 11°25 | 27°21 | S 8 |
| M 9 | 13 40 37 | 26°56'07 | 15°47 | 12°23 | 4° 3 | 28°48 | 24°11 | 8°58 | 17°43 | 5° 7 | 20°56 | 24°51 | 24°50 | 11°31 | 27°24 | M 9 |
| T 10 | 13 44 33 | 27°54'25 | 27°39 | 12° 5 | 5°16 | 29° 7 | 24°16 | 9° 2 | 17°41 | 5°10 | 20°58 | 24°49 | 24°47 | 11°38 | 27°27 | T 10 |
| W11 | 13 48 30 | 28°52'41 | 9♍39 | 11°51 | 6°30 | 29°26 | 24°21 | 9° 6 | 17°38 | 5°12 | 20°59 | 24°43 | 24°44 | 11°45 | 27°31 | W11 |
| T 12 | 13 52 27 | 29°50'56 | 21°52 | 11°43 | 7°43 | 29°44 | 24°27 | 9°10 | 17°36 | 5°14 | 21° 0 | 24°36 | 24°41 | 11°51 | 27°34 | T 12 |
| F 13 | 13 56 23 | 0♉49'08 | 4♎19 | 11°D39 | 8°56 | 0♑ 2 | 24°32 | 9°15 | 17°33 | 5°16 | 21° 1 | 24°25 | 24°37 | 11°58 | 27°37 | F 13 |
| S 14 | 14 0 20 | 1°47'18 | 17° 4 | 11°40 | 10° 9 | 0°20 | 24°38 | 9°19 | 17°31 | 5°19 | 21° 3 | 24°13 | 24°34 | 12° 5 | 27°40 | S 14 |
| S 15 | 14 4 16 | 2°45'27 | 0♏ 6 | 11°47 | 11°23 | 0°37 | 24°44 | 9°23 | 17°28 | 5°21 | 21° 4 | 24° 1 | 24°31 | 12°11 | 27°43 | S 15 |
| M16 | 14 8 13 | 3°43'34 | 13°23 | 11°57 | 12°36 | 0°53 | 24°50 | 9°28 | 17°26 | 5°23 | 21° 5 | 23°48 | 24°28 | 12°18 | 27°46 | M16 |
| T 17 | 14 12 9 | 4°41'39 | 26°55 | 12°13 | 13°49 | 1° 9 | 24°57 | 9°33 | 17°23 | 5°25 | 21° 7 | 23°38 | 24°25 | 12°25 | 27°50 | T 17 |
| W18 | 14 16 6 | 5°39'42 | 10♐37 | 12°33 | 15° 3 | 1°25 | 25° 3 | 9°37 | 17°21 | 5°28 | 21° 8 | 23°30 | 24°22 | 12°31 | 27°53 | W18 |
| T 19 | 14 20 2 | 6°37'45 | 24°28 | 12°57 | 16°16 | 1°40 | 25°10 | 9°42 | 17°19 | 5°30 | 21° 9 | 23°24 | 24°18 | 12°38 | 27°56 | T 19 |
| F 20 | 14 23 59 | 7°35'45 | 8♑25 | 13°26 | 17°29 | 1°54 | 25°16 | 9°47 | 17°16 | 5°32 | 21°10 | 23°22 | 24°15 | 12°45 | 27°59 | F 20 |
| S 21 | 14 27 56 | 8°33'45 | 22°27 | 13°59 | 18°42 | 2° 8 | 25°23 | 9°52 | 17°14 | 5°34 | 21°12 | 23°D21 | 24°12 | 12°51 | 28° 2 | S 21 |
| S 22 | 14 31 52 | 9°31'43 | 6♒32 | 14°36 | 19°56 | 2°22 | 25°30 | 9°57 | 17°12 | 5°37 | 21°13 | 23°R21 | 24° 9 | 12°58 | 28° 5 | S 22 |
| M23 | 14 35 49 | 10°29'40 | 20°40 | 15°16 | 21° 9 | 2°34 | 25°37 | 10° 2 | 17° 9 | 5°39 | 21°14 | 23°21 | 24° 6 | 13° 4 | 28° 7 | M23 |
| T 24 | 14 39 45 | 11°27'35 | 4♓50 | 16° 1 | 22°22 | 2°47 | 25°44 | 10° 8 | 17° 7 | 5°41 | 21°16 | 23°19 | 24° 3 | 13°11 | 28°10 | T 24 |
| W25 | 14 43 42 | 12°25'29 | 19° 0 | 16°49 | 23°36 | 2°58 | 25°52 | 10°13 | 17° 5 | 5°43 | 21°17 | 23°15 | 23°59 | 13°18 | 28°13 | W25 |
| T 26 | 14 47 38 | 13°23'22 | 3♈ 6 | 17°40 | 24°49 | 3°10 | 25°59 | 10°18 | 17° 3 | 5°46 | 21°18 | 23° 8 | 23°56 | 13°24 | 28°16 | T 26 |
| F 27 | 14 51 35 | 14°21'13 | 17° 7 | 18°35 | 26° 2 | 3°20 | 26° 7 | 10°24 | 17° 0 | 5°48 | 21°20 | 22°59 | 23°53 | 13°31 | 28°19 | F 27 |
| S 28 | 14 55 31 | 15°19'03 | 0♉57 | 19°32 | 27°16 | 3°30 | 26°14 | 10°29 | 16°58 | 5°50 | 21°21 | 22°48 | 23°50 | 13°38 | 28°21 | S 28 |
| S 29 | 14 59 28 | 16°16'52 | 14°33 | 20°33 | 28°29 | 3°39 | 26°22 | 10°35 | 16°56 | 5°52 | 21°23 | 22°37 | 23°47 | 13°44 | 28°24 | S 29 |
| M30 | 15 3 25 | 17♉14'40 | 27♉52 | 21♈37 | 29♈42 | 3♑48 | 26♋30 | 10♋40 | 16♎54 | 5♉55 | 21♉24 | 22♋27 | 23♋43 | 13♌51 | 28♓27 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n31 | 8n55 | 4s56 | 8n17 | 1n44 | 3s40 | 1s31 | 23s42 | 0s14 | 22n 8 | 0n42 | 23n 6 | 0s 9 | 6s30 | 0n39 | 11n30 | 1s46 | 5n15 | 13s12 | 21n 8 | 21n 9 | 18n57 | 1n43 | 3n12 |
| M 2 | 7 53 | 13 17 | 4 34 | 7 46 | 1 28 | 3 12 | 1 32 | 23 44 | 0 16 | 22 7 | 0 42 | 23 6 | 0 9 | 6 29 | 0 39 | 11 31 | 1 46 | 5 15 | 13 12 | 21 10 | 21 10 | 18 56 | 1 44 | 3 12 |
| T 3 | 8 15 | 16 53 | 3 59 | 7 15 | 1 12 | 2 43 | 1 32 | 23 47 | 0 18 | 22 7 | 0 42 | 23 6 | 0 9 | 6 28 | 0 39 | 11 32 | 1 46 | 5 16 | 13 12 | 21 11 | 21 10 | 18 55 | 1 46 | 3 12 |
| W 4 | 8 37 | 19 33 | 3 12 | 6 45 | 0 55 | 2 14 | 1 33 | 23 50 | 0 20 | 22 6 | 0 42 | 23 5 | 0 9 | 6 27 | 0 39 | 11 33 | 1 46 | 5 16 | 13 12 | 21 12 | 21 11 | 18 53 | 1 47 | 3 12 |
| T 5 | 8 59 | 21 13 | 2 17 | 6 15 | 0 39 | 1 46 | 1 33 | 23 52 | 0 23 | 22 5 | 0 42 | 23 5 | 0 9 | 6 27 | 0 39 | 11 33 | 1 46 | 5 17 | 13 12 | 21 13 | 21 12 | 18 52 | 1 49 | 3 12 |
| F 6 | 9 21 | 21 51 | 1 17 | 5 46 | 0 22 | 1 17 | 1 34 | 23 55 | 0 25 | 22 4 | 0 42 | 23 5 | 0 8 | 6 26 | 0 39 | 11 34 | 1 46 | 5 17 | 13 12 | 21 13 | 21 12 | 18 51 | 1 50 | 3 12 |
| S 7 | 9 42 | 21 27 | 0 14 | 5 18 | 0 5 | 0 48 | 1 34 | 23 57 | 0 27 | 22 3 | 0 42 | 23 5 | 0 8 | 6 25 | 0 39 | 11 35 | 1 46 | 5 18 | 13 11 | 21 13 | 21 13 | 18 50 | 1 51 | 3 12 |
| S 8 | 10 4 | 20 6 | 0n48 | 4 53 | 0s12 | 0 19 | 1 34 | 24 0 | 0 29 | 22 3 | 0 41 | 23 5 | 0 8 | 6 24 | 0 39 | 11 36 | 1 46 | 5 18 | 13 11 | 21 14 | 21 13 | 18 49 | 1 53 | 3 12 |
| M 9 | 10 25 | 17 53 | 1 48 | 4 29 | 0 28 | 0n10 | 1 35 | 24 2 | 0 32 | 22 2 | 0 41 | 23 5 | 0 8 | 6 23 | 0 39 | 11 36 | 1 46 | 5 19 | 13 11 | 21 14 | 21 14 | 18 48 | 1 54 | 3 12 |
| T 10 | 10 46 | 14 54 | 2 44 | 4 7 | 0 43 | 0 39 | 1 35 | 24 5 | 0 34 | 22 1 | 0 41 | 23 5 | 0 8 | 6 22 | 0 39 | 11 37 | 1 46 | 5 19 | 13 11 | 21 14 | 21 14 | 18 47 | 1 55 | 3 12 |
| W11 | 11 7 | 11 16 | 3 33 | 3 48 | 0 58 | 1 8 | 1 35 | 24 7 | 0 36 | 22 0 | 0 41 | 23 4 | 0 8 | 6 21 | 0 39 | 11 38 | 1 46 | 5 19 | 13 11 | 21 15 | 21 15 | 18 46 | 1 56 | 3 12 |
| T 12 | 11 27 | 7 7 | 4 14 | 3 32 | 1 13 | 1 37 | 1 35 | 24 10 | 0 39 | 21 59 | 0 41 | 23 4 | 0 8 | 6 20 | 0 39 | 11 39 | 1 46 | 5 20 | 13 11 | 21 16 | 21 16 | 18 45 | 1 58 | 3 12 |
| F 13 | 11 48 | 2 36 | 4 43 | 3 18 | 1 26 | 2 6 | 1 35 | 24 12 | 0 41 | 21 58 | 0 41 | 23 4 | 0 8 | 6 19 | 0 39 | 11 39 | 1 46 | 5 20 | 13 11 | 21 18 | 21 16 | 18 44 | 1 59 | 3 12 |
| S 14 | 12 8 | 2s 8 | 4 58 | 3 6 | 1 39 | 2 35 | 1 35 | 24 15 | 0 44 | 21 57 | 0 41 | 23 4 | 0 8 | 6 18 | 0 39 | 11 40 | 1 46 | 5 21 | 13 10 | 21 20 | 21 17 | 18 43 | 2 0 | 3 12 |
| S 15 | 12 28 | 6 53 | 4 59 | 2 58 | 1 51 | 3 4 | 1 34 | 24 18 | 0 47 | 21 56 | 0 41 | 23 4 | 0 7 | 6 17 | 0 39 | 11 41 | 1 46 | 5 21 | 13 10 | 21 23 | 21 17 | 18 42 | 2 2 | 3 12 |
| M16 | 12 48 | 11 24 | 4 44 | 2 52 | 2 3 | 3 33 | 1 34 | 24 20 | 0 49 | 21 54 | 0 41 | 23 3 | 0 7 | 6 16 | 0 39 | 11 42 | 1 46 | 5 22 | 13 10 | 21 25 | 21 18 | 18 41 | 2 3 | 3 12 |
| T 17 | 13 8 | 15 26 | 4 12 | 2 48 | 2 13 | 4 2 | 1 34 | 24 23 | 0 52 | 21 53 | 0 41 | 23 3 | 0 7 | 6 15 | 0 39 | 11 42 | 1 46 | 5 22 | 13 10 | 21 27 | 21 18 | 18 40 | 2 4 | 3 12 |
| W18 | 13 27 | 18 43 | 3 26 | 2 47 | 2 23 | 4 31 | 1 33 | 24 25 | 0 55 | 21 52 | 0 41 | 23 3 | 0 7 | 6 14 | 0 39 | 11 43 | 1 46 | 5 22 | 13 10 | 21 28 | 21 19 | 18 39 | 2 5 | 3 12 |
| T 19 | 13 46 | 20 58 | 2 27 | 2 49 | 2 31 | 4 59 | 1 33 | 24 28 | 0 57 | 21 51 | 0 41 | 23 3 | 0 7 | 6 13 | 0 39 | 11 44 | 1 46 | 5 23 | 13 10 | 21 29 | 21 20 | 18 38 | 2 7 | 3 12 |
| F 20 | 14 5 | 21 57 | 1 18 | 2 53 | 2 39 | 5 28 | 1 32 | 24 31 | 1 0 | 21 50 | 0 41 | 23 2 | 0 7 | 6 13 | 0 39 | 11 45 | 1 46 | 5 23 | 13 10 | 21 29 | 21 20 | 18 37 | 2 8 | 3 12 |
| S 21 | 14 24 | 21 34 | 0 5 | 2 59 | 2 46 | 5 56 | 1 32 | 24 33 | 1 3 | 21 48 | 0 41 | 23 2 | 0 7 | 6 12 | 0 39 | 11 45 | 1 46 | 5 24 | 13 10 | 21 29 | 21 21 | 18 35 | 2 9 | 3 12 |
| S 22 | 14 43 | 19 49 | 1s 9 | 3 7 | 2 52 | 6 25 | 1 31 | 24 36 | 1 6 | 21 47 | 0 41 | 23 2 | 0 7 | 6 11 | 0 39 | 11 46 | 1 46 | 5 24 | 13 10 | 21 29 | 21 21 | 18 34 | 2 10 | 3 12 |
| M23 | 15 1 | 16 51 | 2 20 | 3 18 | 2 58 | 6 53 | 1 30 | 24 39 | 1 9 | 21 46 | 0 41 | 23 2 | 0 7 | 6 10 | 0 39 | 11 47 | 1 46 | 5 25 | 13 10 | 21 29 | 21 22 | 18 33 | 2 12 | 3 12 |
| T 24 | 15 19 | 12 53 | 3 21 | 3 31 | 3 2 | 7 21 | 1 29 | 24 42 | 1 12 | 21 44 | 0 41 | 23 1 | 0 6 | 6 9 | 0 39 | 11 48 | 1 46 | 5 25 | 13 9 | 21 30 | 21 22 | 18 32 | 2 13 | 3 13 |
| W25 | 15 37 | 8 13 | 4 11 | 3 46 | 3 6 | 7 49 | 1 29 | 24 45 | 1 15 | 21 43 | 0 41 | 23 1 | 0 6 | 6 8 | 0 39 | 11 48 | 1 46 | 5 25 | 13 9 | 21 30 | 21 23 | 18 31 | 2 14 | 3 13 |
| T 26 | 15 55 | 3 7 | 4 45 | 4 3 | 3 9 | 8 17 | 1 28 | 24 47 | 1 19 | 21 42 | 0 41 | 23 1 | 0 6 | 6 7 | 0 39 | 11 49 | 1 46 | 5 26 | 13 9 | 21 32 | 21 23 | 18 30 | 2 15 | 3 13 |
| F 27 | 16 12 | 2n 6 | 5 1 | 4 21 | 3 11 | 8 45 | 1 27 | 24 50 | 1 22 | 21 40 | 0 41 | 23 0 | 0 6 | 6 7 | 0 39 | 11 50 | 1 46 | 5 26 | 13 9 | 21 33 | 21 24 | 18 29 | 2 16 | 3 13 |
| S 28 | 16 29 | 7 10 | 5 0 | 4 42 | 3 13 | 9 12 | 1 26 | 24 53 | 1 25 | 21 39 | 0 41 | 23 0 | 0 6 | 6 6 | 0 39 | 11 51 | 1 46 | 5 26 | 13 9 | 21 35 | 21 25 | 18 28 | 2 17 | 3 13 |
| S 29 | 16 46 | 11 47 | 4 41 | 5 4 | 3 13 | 9 39 | 1 24 | 24 57 | 1 29 | 21 37 | 0 41 | 23 0 | 0 6 | 6 5 | 0 39 | 11 51 | 1 46 | 5 27 | 13 9 | 21 37 | 21 25 | 18 26 | 2 19 | 3 13 |
| M30 | 17n 2 | 15n44 | 4s 7 | 5n28 | 3s13 | 10n 6 | 1s23 | 25s 0 | 1s32 | 21n36 | 0n41 | 22n59 | 0s 6 | 6s 4 | 0n38 | 11n52 | 1s46 | 5n27 | 13s 9 | 21n38 | 21n26 | 18n25 | 2n20 | 3n13 |

Julian Day Number = 2227384.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'44, Lahiri = 15°17'45 Julian Calendar 1 Apr. 1386 == Greg. Calendar 9 Apr. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## MAY 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 7 21 | 18♉12'25 | 10♊52 | 22♈44 | 0♉56 | 3♑56 | 26♋38 | 10♋46 | 16°R52 | 5♉57 | 21♉25 | 22°R19 | 23♋40 | 13♌58 | 28♓29 | T 1 |
| W 2 | 15 11 18 | 19°10'10 | 23°33 | 23°54 | 2° 9 | 4° 3 | 26°47 | 10°52 | 16♎50 | 5°59 | 21°27 | 22♋13 | 23°37 | 14° 4 | 28°32 | W 2 |
| T 3 | 15 15 14 | 20° 7'53 | 5♋56 | 25° 6 | 3°22 | 4°10 | 26°55 | 10°58 | 16°48 | 6° 1 | 21°28 | 22° 9 | 23°34 | 14°11 | 28°35 | T 3 |
| F 4 | 15 19 11 | 21° 5'34 | 18° 4 | 26°21 | 4°36 | 4°16 | 27° 4 | 11° 3 | 16°46 | 6° 3 | 21°29 | 22°D 8 | 23°31 | 14°18 | 28°37 | F 4 |
| S 5 | 15 23 7 | 22° 3'14 | 0♌ 0 | 27°39 | 5°49 | 4°21 | 27°12 | 11° 9 | 16°44 | 6° 6 | 21°31 | 22° 8 | 23°28 | 14°24 | 28°40 | S 5 |
| S 6 | 15 27 4 | 23° 0'53 | 11°51 | 28°59 | 7° 2 | 4°26 | 27°21 | 11°15 | 16°42 | 6° 8 | 21°32 | 22° 9 | 23°24 | 14°31 | 28°42 | S 6 |
| M 7 | 15 31 0 | 23°58'29 | 23°40 | 0♍22 | 8°16 | 4°29 | 27°30 | 11°21 | 16°40 | 6°10 | 21°33 | 22°R 9 | 23°21 | 14°38 | 28°44 | M 7 |
| T 8 | 15 34 57 | 24°56'04 | 5♏33 | 1°47 | 9°29 | 4°33 | 27°39 | 11°28 | 16°38 | 6°12 | 21°35 | 22° 9 | 23°18 | 14°44 | 28°47 | T 8 |
| W 9 | 15 38 54 | 25°53'38 | 17°35 | 3°15 | 10°42 | 4°35 | 27°48 | 11°34 | 16°37 | 6°14 | 21°36 | 22° 6 | 23°15 | 14°51 | 28°49 | W 9 |
| T 10 | 15 42 50 | 26°51'10 | 29°52 | 4°46 | 11°56 | 4°37 | 27°57 | 11°40 | 16°35 | 6°16 | 21°37 | 22° 2 | 23°12 | 14°58 | 28°51 | T 10 |
| F 11 | 15 46 47 | 27°48'41 | 12♎26 | 6°18 | 13° 9 | 4°38 | 28° 6 | 11°46 | 16°33 | 6°19 | 21°39 | 21°55 | 23° 8 | 15° 4 | 28°54 | F 11 |
| S 12 | 15 50 43 | 28°46'11 | 25°20 | 7°53 | 14°22 | 4°R38 | 28°15 | 11°53 | 16°31 | 6°21 | 21°40 | 21°47 | 23° 5 | 15°11 | 28°56 | S 12 |
| S 13 | 15 54 40 | 29°43'39 | 8♏35 | 9°31 | 15°36 | 4°38 | 28°25 | 11°59 | 16°30 | 6°23 | 21°41 | 21°38 | 23° 2 | 15°18 | 28°58 | S 13 |
| M14 | 15 58 36 | 0♊41'06 | 22°10 | 11°11 | 16°49 | 4°37 | 28°34 | 12° 6 | 16°28 | 6°25 | 21°43 | 21°30 | 22°59 | 15°24 | 29° 0 | M14 |
| T 15 | 16 2 33 | 1°38'33 | 6♐ 3 | 12°54 | 18° 2 | 4°35 | 28°44 | 12°12 | 16°27 | 6°27 | 21°44 | 21°23 | 22°56 | 15°31 | 29° 2 | T 15 |
| W16 | 16 6 29 | 2°35'58 | 20°11 | 14°38 | 19°16 | 4°32 | 28°54 | 12°19 | 16°25 | 6°29 | 21°46 | 21°17 | 22°53 | 15°38 | 29° 4 | W16 |
| T 17 | 16 10 26 | 3°33'22 | 4♑27 | 16°26 | 20°29 | 4°29 | 29° 4 | 12°25 | 16°24 | 6°31 | 21°47 | 21°14 | 22°49 | 15°44 | 29° 6 | T 17 |
| F 18 | 16 14 23 | 4°30'46 | 18°48 | 18°15 | 21°42 | 4°24 | 29°13 | 12°32 | 16°22 | 6°33 | 21°48 | 21°D13 | 22°46 | 15°51 | 29° 8 | F 18 |
| S 19 | 16 18 19 | 5°28'09 | 3♒ 9 | 20° 7 | 22°56 | 4°20 | 29°24 | 12°39 | 16°21 | 6°35 | 21°50 | 21°13 | 22°43 | 15°57 | 29°10 | S 19 |
| S 20 | 16 22 16 | 6°25'31 | 17°28 | 22° 2 | 24° 9 | 4°14 | 29°34 | 12°45 | 16°19 | 6°37 | 21°51 | 21°15 | 22°40 | 16° 4 | 29°12 | S 20 |
| M21 | 16 26 12 | 7°22'53 | 1♓41 | 23°58 | 25°23 | 4° 7 | 29°44 | 12°52 | 16°18 | 6°39 | 21°52 | 21°R16 | 22°37 | 16°11 | 29°14 | M21 |
| T 22 | 16 30 9 | 8°20'14 | 15°46 | 25°57 | 26°36 | 4° 0 | 29°54 | 12°59 | 16°17 | 6°41 | 21°53 | 21°15 | 22°34 | 16°17 | 29°16 | T 22 |
| W23 | 16 34 5 | 9°17'34 | 29°44 | 27°58 | 27°49 | 3°52 | 0♌ 4 | 13° 6 | 16°16 | 6°43 | 21°55 | 21°14 | 22°30 | 16°24 | 29°17 | W23 |
| T 24 | 16 38 2 | 10°14'54 | 13♈31 | 0♊ 0 | 29° 3 | 3°44 | 0°15 | 13°13 | 16°14 | 6°45 | 21°56 | 21°10 | 22°27 | 16°31 | 29°19 | T 24 |
| F 25 | 16 41 58 | 11°12'13 | 27° 8 | 2° 5 | 0♊16 | 3°34 | 0°25 | 13°20 | 16°13 | 6°47 | 21°57 | 21° 5 | 22°24 | 16°37 | 29°21 | F 25 |
| S 26 | 16 45 55 | 12° 9'33 | 10♉33 | 4°11 | 1°30 | 3°24 | 0°36 | 13°27 | 16°12 | 6°49 | 21°59 | 20°59 | 22°21 | 16°44 | 29°22 | S 26 |
| S 27 | 16 49 52 | 13° 6'51 | 23°44 | 6°19 | 2°43 | 3°14 | 0°47 | 13°34 | 16°11 | 6°51 | 22° 0 | 20°53 | 22°18 | 16°51 | 29°24 | S 27 |
| M28 | 16 53 48 | 14° 4'09 | 6♊41 | 8°28 | 3°57 | 3° 2 | 0°58 | 13°41 | 16°10 | 6°53 | 22° 1 | 20°47 | 22°14 | 16°57 | 29°25 | M28 |
| T 29 | 16 57 45 | 15° 1'27 | 19°23 | 10°38 | 5°10 | 2°50 | 1° 8 | 13°48 | 16° 9 | 6°55 | 22° 3 | 20°42 | 22°11 | 17° 4 | 29°27 | T 29 |
| W30 | 17 1 41 | 15°58'43 | 1♋51 | 12°49 | 6°24 | 2°37 | 1°19 | 13°56 | 16° 8 | 6°57 | 22° 4 | 20°39 | 22° 8 | 17°11 | 29°28 | W30 |
| T 31 | 17 5 38 | 16♊56'00 | 14♋ 5 | 15♊ 1 | 7♊37 | 2♑24 | 1♌30 | 14♋ 3 | 16♎ 8 | 6♉58 | 22♉ 5 | 20♋37 | 22♋ 5 | 17♌17 | 29♓29 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n18 | 18n49 | 3s22 | 5n53 | 3s13 | 10n33 | 1s22 | 25s 3 | 1s35 | 21n34 | 0n41 | 22n59 | 0s 6 | 6s 3 | 0n38 | 11n53 | 1s46 | 5n28 | 13s 9 | 21n40 | 21n26 | 18n24 | 2n21 | 3n13 |
| W 2 | 17 34 | 20 55 | 2 26 | 6 20 | 3 11 | 11 0 | 1 21 | 25 6 | 1 39 | 21 32 | 0 41 | 22 59 | 0 6 | 6 3 | 0 38 | 11 53 | 1 46 | 5 28 | 13 9 | 21 41 | 21 27 | 18 23 | 2 22 | 3 13 |
| T 3 | 17 50 | 21 58 | 1 26 | 6 48 | 3 9 | 11 26 | 1 19 | 25 10 | 1 42 | 21 31 | 0 41 | 22 58 | 0 6 | 6 2 | 0 38 | 11 54 | 1 46 | 5 28 | 13 9 | 21 41 | 21 27 | 18 22 | 2 23 | 3 13 |
| F 4 | 18 5 | 21 56 | 0 22 | 7 18 | 3 7 | 11 52 | 1 18 | 25 13 | 1 46 | 21 29 | 0 41 | 22 58 | 0 5 | 6 1 | 0 38 | 11 55 | 1 46 | 5 29 | 13 9 | 21 42 | 21 28 | 18 21 | 2 24 | 3 13 |
| S 5 | 18 20 | 20 54 | 0n42 | 7 49 | 3 3 | 12 18 | 1 17 | 25 16 | 1 50 | 21 27 | 0 41 | 22 57 | 0 5 | 6 0 | 0 38 | 11 56 | 1 46 | 5 29 | 13 9 | 21 42 | 21 28 | 18 20 | 2 25 | 3 13 |
| S 6 | 18 35 | 18 57 | 1 44 | 8 21 | 3 0 | 12 44 | 1 15 | 25 20 | 1 53 | 21 26 | 0 41 | 22 57 | 0 5 | 6 0 | 0 38 | 11 56 | 1 46 | 5 29 | 13 9 | 21 41 | 21 29 | 18 18 | 2 26 | 3 13 |
| M 7 | 18 50 | 16 12 | 2 41 | 8 54 | 2 55 | 13 9 | 1 14 | 25 24 | 1 57 | 21 24 | 0 41 | 22 57 | 0 5 | 5 59 | 0 38 | 11 57 | 1 46 | 5 30 | 13 9 | 21 41 | 21 29 | 18 17 | 2 27 | 3 13 |
| T 8 | 19 4 | 12 47 | 3 31 | 9 29 | 2 50 | 13 34 | 1 12 | 25 27 | 2 1 | 21 22 | 0 41 | 22 56 | 0 5 | 5 58 | 0 38 | 11 58 | 1 46 | 5 30 | 13 9 | 21 41 | 21 30 | 18 16 | 2 28 | 3 13 |
| W 9 | 19 18 | 8 48 | 4 13 | 10 4 | 2 44 | 13 58 | 1 10 | 25 31 | 2 5 | 21 20 | 0 41 | 22 56 | 0 5 | 5 58 | 0 38 | 11 58 | 1 46 | 5 31 | 13 9 | 21 42 | 21 31 | 18 15 | 2 29 | 3 14 |
| T 10 | 19 31 | 4 24 | 4 44 | 10 40 | 2 38 | 14 23 | 1 9 | 25 35 | 2 9 | 21 18 | 0 41 | 22 55 | 0 5 | 5 57 | 0 38 | 11 59 | 1 46 | 5 31 | 13 9 | 21 43 | 21 31 | 18 14 | 2 30 | 3 14 |
| F 11 | 19 44 | 0s17 | 5 2 | 11 17 | 2 32 | 14 47 | 1 7 | 25 39 | 2 13 | 21 17 | 0 41 | 22 55 | 0 5 | 5 56 | 0 38 | 12 0 | 1 46 | 5 31 | 13 9 | 21 44 | 21 32 | 18 12 | 2 31 | 3 14 |
| S 12 | 19 57 | 5 5 | 5 6 | 11 55 | 2 24 | 15 10 | 1 5 | 25 43 | 2 17 | 21 15 | 0 41 | 22 54 | 0 5 | 5 56 | 0 38 | 12 0 | 1 46 | 5 32 | 13 9 | 21 45 | 21 32 | 18 11 | 2 32 | 3 14 |
| S 13 | 20 10 | 9 47 | 4 53 | 12 33 | 2 17 | 15 33 | 1 3 | 25 47 | 2 21 | 21 13 | 0 41 | 22 54 | 0 5 | 5 55 | 0 38 | 12 1 | 1 46 | 5 32 | 13 9 | 21 46 | 21 33 | 18 10 | 2 33 | 3 14 |
| M14 | 20 22 | 14 7 | 4 24 | 13 12 | 2 8 | 15 56 | 1 1 | 25 51 | 2 25 | 21 11 | 0 41 | 22 53 | 0 5 | 5 55 | 0 38 | 12 2 | 1 46 | 5 32 | 13 9 | 21 48 | 21 33 | 18 9 | 2 34 | 3 14 |
| T 15 | 20 33 | 17 48 | 3 39 | 13 51 | 2 0 | 16 19 | 0 59 | 25 55 | 2 29 | 21 9 | 0 41 | 22 53 | 0 4 | 5 54 | 0 38 | 12 2 | 1 46 | 5 32 | 13 9 | 21 49 | 21 34 | 18 8 | 2 35 | 3 14 |
| W16 | 20 45 | 20 30 | 2 39 | 14 31 | 1 51 | 16 41 | 0 58 | 25 59 | 2 33 | 21 7 | 0 41 | 22 52 | 0 4 | 5 53 | 0 38 | 12 3 | 1 46 | 5 33 | 13 9 | 21 50 | 21 34 | 18 6 | 2 36 | 3 14 |
| T 17 | 20 56 | 21 57 | 1 29 | 15 11 | 1 41 | 17 2 | 0 56 | 26 4 | 2 37 | 21 5 | 0 41 | 22 52 | 0 4 | 5 53 | 0 38 | 12 4 | 1 46 | 5 33 | 13 9 | 21 50 | 21 35 | 18 5 | 2 37 | 3 14 |
| F 18 | 21 7 | 21 59 | 0 13 | 15 51 | 1 32 | 17 23 | 0 54 | 26 8 | 2 42 | 21 3 | 0 41 | 22 51 | 0 4 | 5 52 | 0 38 | 12 4 | 1 46 | 5 33 | 13 9 | 21 50 | 21 35 | 18 4 | 2 38 | 3 14 |
| S 19 | 21 17 | 20 33 | 1s 4 | 16 31 | 1 22 | 17 44 | 0 51 | 26 12 | 2 46 | 21 1 | 0 41 | 22 51 | 0 4 | 5 52 | 0 38 | 12 5 | 1 46 | 5 34 | 13 9 | 21 50 | 21 36 | 18 3 | 2 38 | 3 14 |
| S 20 | 21 27 | 17 50 | 2 17 | 17 11 | 1 11 | 18 4 | 0 49 | 26 17 | 2 50 | 20 58 | 0 41 | 22 50 | 0 4 | 5 51 | 0 38 | 12 6 | 1 46 | 5 34 | 13 9 | 21 50 | 21 36 | 18 2 | 2 39 | 3 15 |
| M21 | 21 37 | 14 3 | 3 21 | 17 51 | 1 1 | 18 24 | 0 47 | 26 21 | 2 54 | 20 56 | 0 41 | 22 50 | 0 4 | 5 51 | 0 38 | 12 6 | 1 46 | 5 34 | 13 9 | 21 50 | 21 37 | 18 0 | 2 40 | 3 15 |
| T 22 | 21 46 | 9 30 | 4 13 | 18 30 | 0 50 | 18 44 | 0 45 | 26 26 | 2 59 | 20 54 | 0 41 | 22 49 | 0 4 | 5 50 | 0 38 | 12 7 | 1 46 | 5 35 | 13 9 | 21 50 | 21 37 | 17 59 | 2 41 | 3 15 |
| W23 | 21 55 | 4 31 | 4 49 | 19 8 | 0 39 | 19 3 | 0 43 | 26 31 | 3 3 | 20 52 | 0 41 | 22 49 | 0 4 | 5 50 | 0 38 | 12 8 | 1 47 | 5 35 | 13 9 | 21 50 | 21 38 | 17 58 | 2 42 | 3 15 |
| T 24 | 22 4 | 0n38 | 5 7 | 19 46 | 0 28 | 19 21 | 0 41 | 26 35 | 3 7 | 20 50 | 0 41 | 22 48 | 0 4 | 5 50 | 0 38 | 12 8 | 1 47 | 5 35 | 13 9 | 21 51 | 21 38 | 17 57 | 2 42 | 3 15 |
| F 25 | 22 12 | 5 41 | 5 8 | 20 22 | 0 17 | 19 39 | 0 39 | 26 40 | 3 12 | 20 47 | 0 41 | 22 47 | 0 3 | 5 49 | 0 38 | 12 9 | 1 47 | 5 35 | 13 9 | 21 52 | 21 39 | 17 55 | 2 43 | 3 15 |
| S 26 | 22 19 | 10 24 | 4 52 | 20 57 | 0 6 | 19 56 | 0 36 | 26 44 | 3 16 | 20 45 | 0 41 | 22 47 | 0 3 | 5 49 | 0 38 | 12 9 | 1 47 | 5 36 | 13 9 | 21 52 | 21 39 | 17 54 | 2 44 | 3 15 |
| S 27 | 22 27 | 14 33 | 4 21 | 21 31 | 0n 5 | 20 13 | 0 34 | 26 49 | 3 20 | 20 43 | 0 41 | 22 46 | 0 3 | 5 48 | 0 38 | 12 10 | 1 47 | 5 36 | 13 9 | 21 53 | 21 40 | 17 53 | 2 45 | 3 15 |
| M28 | 22 34 | 17 56 | 3 37 | 22 2 | 0 15 | 20 29 | 0 32 | 26 53 | 3 25 | 20 40 | 0 41 | 22 46 | 0 3 | 5 48 | 0 38 | 12 11 | 1 47 | 5 36 | 13 9 | 21 54 | 21 41 | 17 52 | 2 45 | 3 15 |
| T 29 | 22 40 | 20 24 | 2 42 | 22 32 | 0 26 | 20 45 | 0 29 | 26 58 | 3 29 | 20 38 | 0 41 | 22 45 | 0 3 | 5 48 | 0 38 | 12 11 | 1 47 | 5 36 | 13 9 | 21 55 | 21 41 | 17 50 | 2 46 | 3 15 |
| W30 | 22 47 | 21 50 | 1 41 | 23 0 | 0 36 | 21 0 | 0 27 | 27 2 | 3 33 | 20 36 | 0 41 | 22 44 | 0 3 | 5 47 | 0 38 | 12 12 | 1 47 | 5 37 | 13 9 | 21 56 | 21 42 | 17 49 | 2 47 | 3 16 |
| T 31 | 22n52 | 22n11 | 0s36 | 23n25 | 0n45 | 21n15 | 0s25 | 27s 7 | 3s37 | 20n33 | 0n41 | 22n44 | 0s 3 | 5s47 | 0n38 | 12n12 | 1s47 | 5n37 | 13s10 | 21n56 | 21n42 | 17n48 | 2n47 | 3n16 |

Julian Day Number = 2227414.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'05, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'48, Lahiri = 15°17'49 Julian Calendar 1 May 1386 == Greg. Calendar 9 May 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## JUNE 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 9 34 | 17♊53'15 | 26♋ 7 | 17♊13 | 8♊51 | 2°R10 | 1♌42 | 14♋10 | 16°R 7 | 7♉ 0 | 22♉ 6 | 20°D37 | 22♋ 2 | 17♌24 | 29♓30 | F 1 |
| S 2 | 17 13 31 | 18°50'30 | 8♌ 2 | 19°24 | 10° 4 | 1♏56 | 1°53 | 14°17 | 16♎ 6 | 7° 2 | 22° 8 | 20♋38 | 21°59 | 17°31 | 29°32 | S 2 |
| S 3 | 17 17 27 | 19°47'44 | 19°51 | 21°36 | 11°18 | 1°41 | 2° 4 | 14°25 | 16° 5 | 7° 4 | 22° 9 | 20°40 | 21°55 | 17°37 | 29°33 | S 3 |
| M 4 | 17 21 24 | 20°44'58 | 1♍40 | 23°46 | 12°31 | 1°26 | 2°15 | 14°32 | 16° 5 | 7° 6 | 22°10 | 20°42 | 21°52 | 17°44 | 29°34 | M 4 |
| T 5 | 17 25 21 | 21°42'11 | 13°33 | 25°57 | 13°45 | 1°10 | 2°27 | 14°39 | 16° 4 | 7° 7 | 22°11 | 20°43 | 21°49 | 17°51 | 29°35 | T 5 |
| W 6 | 17 29 17 | 22°39'23 | 25°35 | 28° 5 | 14°58 | 0°54 | 2°38 | 14°47 | 16° 4 | 7° 9 | 22°12 | 20°R43 | 21°46 | 17°57 | 29°36 | W 6 |
| T 7 | 17 33 14 | 23°36'35 | 7♎51 | 0♋13 | 16°12 | 0°37 | 2°50 | 14°54 | 16° 3 | 7°11 | 22°14 | 20°42 | 21°43 | 18° 4 | 29°37 | T 7 |
| F 8 | 17 37 10 | 24°33'46 | 20°26 | 2°20 | 17°25 | 0°20 | 3° 1 | 15° 2 | 16° 3 | 7°12 | 22°15 | 20°40 | 21°40 | 18°11 | 29°38 | F 8 |
| S 9 | 17 41 7 | 25°30'56 | 3♏22 | 4°24 | 18°39 | 0° 3 | 3°13 | 15° 9 | 16° 2 | 7°14 | 22°16 | 20°37 | 21°36 | 18°17 | 29°39 | S 9 |
| S 10 | 17 45 3 | 26°28'06 | 16°42 | 6°28 | 19°53 | 29♐45 | 3°24 | 15°17 | 16° 2 | 7°16 | 22°17 | 20°34 | 21°33 | 18°24 | 29°40 | S 10 |
| M11 | 17 49 0 | 27°25'16 | 0♐27 | 8°29 | 21° 6 | 29°28 | 3°36 | 15°24 | 16° 2 | 7°17 | 22°18 | 20°31 | 21°30 | 18°31 | 29°40 | M11 |
| T 12 | 17 52 56 | 28°22'26 | 14°34 | 10°28 | 22°20 | 29°10 | 3°48 | 15°32 | 16° 1 | 7°19 | 22°19 | 20°28 | 21°27 | 18°37 | 29°41 | T 12 |
| W13 | 17 56 53 | 29°19'35 | 29° 0 | 12°26 | 23°33 | 28°52 | 4° 0 | 15°39 | 16° 1 | 7°20 | 22°20 | 20°26 | 21°24 | 18°44 | 29°42 | W13 |
| T 14 | 18 0 50 | 0♋16'44 | 13♑39 | 14°22 | 24°47 | 28°34 | 4°12 | 15°47 | 16° 1 | 7°22 | 22°22 | 20°D25 | 21°20 | 18°51 | 29°42 | T 14 |
| F 15 | 18 4 46 | 1°13'54 | 28°25 | 16°15 | 26° 1 | 28°16 | 4°24 | 15°54 | 16° 1 | 7°23 | 22°23 | 20°25 | 21°17 | 18°57 | 29°43 | F 15 |
| S 16 | 18 8 43 | 2°11'03 | 13♒11 | 18° 7 | 27°14 | 27°58 | 4°36 | 16° 2 | 16°D 1 | 7°25 | 22°24 | 20°26 | 21°14 | 19° 4 | 29°43 | S 16 |
| S 17 | 18 12 39 | 3° 8'12 | 27°50 | 19°57 | 28°28 | 27°40 | 4°48 | 16°10 | 16° 1 | 7°26 | 22°25 | 20°27 | 21°11 | 19°11 | 29°44 | S 17 |
| M18 | 18 16 36 | 4° 5'22 | 12♓18 | 21°44 | 29°41 | 27°22 | 5° 0 | 16°17 | 16° 1 | 7°28 | 22°26 | 20°28 | 21° 8 | 19°17 | 29°44 | M18 |
| T 19 | 18 20 32 | 5° 2'32 | 26°30 | 23°30 | 0♋55 | 27° 4 | 5°12 | 16°25 | 16° 1 | 7°29 | 22°27 | 20°29 | 21° 5 | 19°24 | 29°45 | T 19 |
| W20 | 18 24 29 | 5°59'42 | 10♈26 | 25°13 | 2° 9 | 26°47 | 5°24 | 16°33 | 16° 1 | 7°31 | 22°28 | 20°R29 | 21° 1 | 19°31 | 29°45 | W20 |
| T 21 | 18 28 25 | 6°56'53 | 24° 4 | 26°55 | 3°23 | 26°30 | 5°36 | 16°40 | 16° 2 | 7°32 | 22°29 | 20°28 | 20°58 | 19°37 | 29°45 | T 21 |
| F 22 | 18 32 22 | 7°54'05 | 7♉26 | 28°34 | 4°36 | 26°13 | 5°49 | 16°48 | 16° 2 | 7°33 | 22°30 | 20°27 | 20°55 | 19°44 | 29°45 | F 22 |
| S 23 | 18 36 19 | 8°51'16 | 20°31 | 0♌11 | 5°50 | 25°56 | 6° 1 | 16°56 | 16° 2 | 7°35 | 22°31 | 20°26 | 20°52 | 19°51 | 29°45 | S 23 |
| S 24 | 18 40 15 | 9°48'29 | 3♊21 | 1°47 | 7° 4 | 25°39 | 6°14 | 17° 4 | 16° 3 | 7°36 | 22°32 | 20°24 | 20°49 | 19°57 | 29°46 | S 24 |
| M25 | 18 44 12 | 10°45'41 | 15°57 | 3°20 | 8°18 | 25°24 | 6°26 | 17°11 | 16° 3 | 7°37 | 22°33 | 20°23 | 20°46 | 20° 4 | 29°R46 | M25 |
| T 26 | 18 48 8 | 11°42'55 | 28°21 | 4°51 | 9°31 | 25° 8 | 6°38 | 17°19 | 16° 4 | 7°38 | 22°34 | 20°22 | 20°42 | 20°11 | 29°45 | T 26 |
| W27 | 18 52 5 | 12°40'08 | 10♋34 | 6°20 | 10°45 | 24°53 | 6°51 | 17°27 | 16° 4 | 7°39 | 22°35 | 20°21 | 20°39 | 20°17 | 29°45 | W27 |
| T 28 | 18 56 1 | 13°37'22 | 22°37 | 7°47 | 11°59 | 24°39 | 7° 3 | 17°35 | 16° 5 | 7°41 | 22°36 | 20°D21 | 20°36 | 20°24 | 29°45 | T 28 |
| F 29 | 18 59 58 | 14°34'36 | 4♌33 | 9°12 | 13°13 | 24°25 | 7°16 | 17°43 | 16° 6 | 7°42 | 22°37 | 20°22 | 20°33 | 20°31 | 29°45 | F 29 |
| S 30 | 19 3 55 | 15♋31'51 | 16♌23 | 10♌34 | 14♋27 | 24♐11 | 7♌29 | 17♋50 | 16♎ 6 | 7♉43 | 22♉38 | 20♋22 | 20♋30 | 20♌37 | 29♓45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n58 | 21n29 | 0n30 | 23n48 | 0n55 | 21n29 | 0s22 | 27s11 | 3s41 | 20n31 | 0n41 | 22n43 | 0s 3 | 5s47 | 0n37 | 12n13 | 1s47 | 5n37 | 13s10 | 21n56 | 21n43 | 17n46 | 2n48 | 3n16 |
| S 2 | 23 3 | 19 50 | 1 34 | 24 9 | 1 3 | 21 42 | 0 20 | 27 16 | 3 46 | 20 28 | 0 41 | 22 42 | 0 3 | 5 47 | 0 37 | 12 13 | 1 47 | 5 37 | 13 10 | 21 56 | 21 43 | 17 45 | 2 48 | 3 16 |
| S 3 | 23 7 | 17 20 | 2 33 | 24 26 | 1 11 | 21 55 | 0 18 | 27 20 | 3 50 | 20 26 | 0 41 | 22 42 | 0 3 | 5 46 | 0 37 | 12 14 | 1 47 | 5 37 | 13 10 | 21 55 | 21 44 | 17 44 | 2 49 | 3 16 |
| M 4 | 23 12 | 14 8 | 3 26 | 24 41 | 1 19 | 22 7 | 0 15 | 27 24 | 3 54 | 20 23 | 0 41 | 22 41 | 0 3 | 5 46 | 0 37 | 12 14 | 1 47 | 5 38 | 13 10 | 21 55 | 21 44 | 17 42 | 2 49 | 3 16 |
| T 5 | 23 15 | 10 20 | 4 11 | 24 53 | 1 26 | 22 19 | 0 13 | 27 28 | 3 58 | 20 20 | 0 41 | 22 40 | 0 2 | 5 46 | 0 37 | 12 15 | 1 47 | 5 38 | 13 10 | 21 55 | 21 45 | 17 41 | 2 50 | 3 16 |
| W 6 | 23 19 | 6 7 | 4 45 | 25 2 | 1 32 | 22 30 | 0 11 | 27 32 | 4 2 | 20 18 | 0 41 | 22 39 | 0 2 | 5 46 | 0 37 | 12 15 | 1 47 | 5 38 | 13 10 | 21 55 | 21 45 | 17 40 | 2 51 | 3 16 |
| T 7 | 23 22 | 1 34 | 5 6 | 25 9 | 1 37 | 22 40 | 0 8 | 27 36 | 4 5 | 20 15 | 0 41 | 22 39 | 0 2 | 5 46 | 0 37 | 12 16 | 1 47 | 5 38 | 13 10 | 21 55 | 21 46 | 17 39 | 2 51 | 3 16 |
| F 8 | 23 24 | 3s 9 | 5 14 | 25 12 | 1 42 | 22 50 | 0 6 | 27 40 | 4 9 | 20 13 | 0 41 | 22 38 | 0 2 | 5 46 | 0 37 | 12 16 | 1 47 | 5 38 | 13 10 | 21 55 | 21 46 | 17 37 | 2 51 | 3 17 |
| S 9 | 23 27 | 7 52 | 5 7 | 25 13 | 1 46 | 22 59 | 0 3 | 27 44 | 4 13 | 20 10 | 0 41 | 22 37 | 0 2 | 5 45 | 0 37 | 12 17 | 1 47 | 5 38 | 13 10 | 21 56 | 21 47 | 17 36 | 2 52 | 3 17 |
| S 10 | 23 28 | 12 22 | 4 42 | 25 11 | 1 49 | 23 7 | 0 1 | 27 48 | 4 16 | 20 7 | 0 41 | 22 36 | 0 2 | 5 45 | 0 37 | 12 17 | 1 47 | 5 39 | 13 11 | 21 56 | 21 47 | 17 35 | 2 52 | 3 17 |
| M11 | 23 30 | 16 22 | 4 2 | 25 7 | 1 52 | 23 15 | 0n 1 | 27 51 | 4 20 | 20 4 | 0 41 | 22 36 | 0 2 | 5 45 | 0 37 | 12 18 | 1 47 | 5 39 | 13 11 | 21 57 | 21 48 | 17 33 | 2 53 | 3 17 |
| T 12 | 23 30 | 19 34 | 3 5 | 25 0 | 1 54 | 23 22 | 0 4 | 27 54 | 4 23 | 20 2 | 0 41 | 22 35 | 0 2 | 5 45 | 0 37 | 12 18 | 1 47 | 5 39 | 13 11 | 21 57 | 21 48 | 17 32 | 2 53 | 3 17 |
| W13 | 23 31 | 21 35 | 1 55 | 24 50 | 1 55 | 23 28 | 0 6 | 27 57 | 4 27 | 19 59 | 0 41 | 22 34 | 0 2 | 5 45 | 0 37 | 12 19 | 1 47 | 5 39 | 13 11 | 21 58 | 21 49 | 17 31 | 2 54 | 3 17 |
| T 14 | 23 31 | 22 12 | 0 37 | 24 39 | 1 55 | 23 34 | 0 9 | 28 1 | 4 30 | 19 56 | 0 41 | 22 33 | 0 2 | 5 45 | 0 37 | 12 19 | 1 47 | 5 39 | 13 11 | 21 58 | 21 49 | 17 29 | 2 54 | 3 17 |
| F 15 | 23 31 | 21 16 | 0s44 | 24 26 | 1 55 | 23 38 | 0 11 | 28 3 | 4 33 | 19 53 | 0 41 | 22 32 | 0 2 | 5 45 | 0 37 | 12 20 | 1 47 | 5 39 | 13 11 | 21 58 | 21 50 | 17 28 | 2 54 | 3 17 |
| S 16 | 23 30 | 18 52 | 2 3 | 24 10 | 1 54 | 23 43 | 0 13 | 28 6 | 4 36 | 19 50 | 0 41 | 22 32 | 0 1 | 5 45 | 0 37 | 12 20 | 1 47 | 5 39 | 13 11 | 21 58 | 21 50 | 17 26 | 2 55 | 3 18 |
| S 17 | 23 29 | 15 16 | 3 12 | 23 53 | 1 52 | 23 46 | 0 16 | 28 9 | 4 39 | 19 47 | 0 41 | 22 31 | 0 1 | 5 45 | 0 37 | 12 21 | 1 48 | 5 40 | 13 11 | 21 57 | 21 51 | 17 25 | 2 55 | 3 18 |
| M18 | 23 27 | 10 48 | 4 9 | 23 34 | 1 50 | 23 49 | 0 18 | 28 11 | 4 42 | 19 45 | 0 41 | 22 30 | 0 1 | 5 45 | 0 37 | 12 21 | 1 48 | 5 40 | 13 12 | 21 57 | 21 51 | 17 24 | 2 55 | 3 18 |
| T 19 | 23 25 | 5 49 | 4 49 | 23 14 | 1 47 | 23 51 | 0 20 | 28 13 | 4 44 | 19 42 | 0 41 | 22 29 | 0 1 | 5 45 | 0 37 | 12 21 | 1 48 | 5 40 | 13 12 | 21 57 | 21 52 | 17 22 | 2 55 | 3 18 |
| W20 | 23 23 | 0 38 | 5 12 | 22 52 | 1 44 | 23 53 | 0 23 | 28 15 | 4 47 | 19 39 | 0 41 | 22 28 | 0 1 | 5 46 | 0 37 | 12 22 | 1 48 | 5 40 | 13 12 | 21 57 | 21 52 | 17 21 | 2 56 | 3 18 |
| T 21 | 23 20 | 4n28 | 5 16 | 22 28 | 1 40 | 23 53 | 0 25 | 28 17 | 4 49 | 19 36 | 0 41 | 22 27 | 0 1 | 5 46 | 0 37 | 12 22 | 1 48 | 5 40 | 13 12 | 21 57 | 21 53 | 17 20 | 2 56 | 3 18 |
| F 22 | 23 17 | 9 16 | 5 3 | 22 4 | 1 35 | 23 53 | 0 27 | 28 19 | 4 51 | 19 33 | 0 41 | 22 27 | 0 1 | 5 46 | 0 37 | 12 23 | 1 48 | 5 40 | 13 12 | 21 57 | 21 53 | 17 18 | 2 56 | 3 18 |
| S 23 | 23 13 | 13 32 | 4 34 | 21 38 | 1 30 | 23 53 | 0 29 | 28 20 | 4 53 | 19 30 | 0 41 | 22 26 | 0 1 | 5 46 | 0 37 | 12 23 | 1 48 | 5 40 | 13 12 | 21 58 | 21 54 | 17 17 | 2 56 | 3 18 |
| S 24 | 23 9 | 17 6 | 3 52 | 21 12 | 1 24 | 23 51 | 0 32 | 28 22 | 4 55 | 19 27 | 0 41 | 22 25 | 0 1 | 5 46 | 0 37 | 12 23 | 1 48 | 5 40 | 13 13 | 21 58 | 21 54 | 17 15 | 2 56 | 3 18 |
| M25 | 23 5 | 19 48 | 2 59 | 20 44 | 1 18 | 23 49 | 0 34 | 28 23 | 4 57 | 19 23 | 0 41 | 22 24 | 0 1 | 5 46 | 0 37 | 12 24 | 1 48 | 5 40 | 13 13 | 21 58 | 21 55 | 17 14 | 2 56 | 3 19 |
| T 26 | 23 0 | 21 31 | 1 59 | 20 16 | 1 11 | 23 46 | 0 36 | 28 24 | 4 59 | 19 20 | 0 41 | 22 23 | 0 1 | 5 47 | 0 37 | 12 24 | 1 48 | 5 40 | 13 13 | 21 58 | 21 55 | 17 13 | 2 56 | 3 19 |
| W27 | 22 55 | 22 12 | 0 54 | 19 47 | 1 4 | 23 43 | 0 38 | 28 25 | 5 0 | 19 17 | 0 41 | 22 22 | 0 1 | 5 47 | 0 36 | 12 24 | 1 48 | 5 40 | 13 13 | 21 58 | 21 55 | 17 11 | 2 56 | 3 19 |
| T 28 | 22 49 | 21 49 | 0n13 | 19 18 | 0 57 | 23 39 | 0 40 | 28 26 | 5 1 | 19 14 | 0 41 | 22 21 | 0 0 | 5 47 | 0 36 | 12 25 | 1 48 | 5 40 | 13 13 | 21 58 | 21 56 | 17 10 | 2 57 | 3 19 |
| F 29 | 22 43 | 20 27 | 1 18 | 18 48 | 0 49 | 23 34 | 0 42 | 28 26 | 5 3 | 19 11 | 0 41 | 22 20 | 0 0 | 5 47 | 0 36 | 12 25 | 1 48 | 5 40 | 13 13 | 21 58 | 21 56 | 17 8 | 2 57 | 3 19 |
| S 30 | 22n37 | 18n12 | 2n20 | 18n17 | 0n40 | 23n28 | 0n44 | 28s27 | 5s 4 | 19n 8 | 0n41 | 22n19 | 0s 0 | 5s48 | 0n36 | 12n25 | 1s48 | 5n41 | 13s14 | 21n58 | 21n57 | 17n 7 | 2n57 | 3n19 |

Julian Day Number = 2227445.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'52, Lahiri = 15°17'53 Julian Calendar 1 June 1386 == Greg. Calendar 9 June 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## JULY 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 7 51 | 16♋29'05 | 28♌12 | 11♌55 | 15♋40 | 23°R59 | 7♌41 | 17♋58 | 16♎ 7 | 7♉44 | 22♉39 | 20♋22 | 20♋26 | 20♌44 | 29°R45 | S 1 |
| M 2 | 19 11 48 | 17°26'21 | 10♍ 1 | 13°13 | 16°54 | 23♐47 | 7°54 | 18° 6 | 16° 8 | 7°45 | 22°39 | 20°23 | 20°23 | 20°51 | 29♓44 | M 2 |
| T 3 | 19 15 44 | 18°23'36 | 21°54 | 14°29 | 18° 8 | 23°35 | 8° 7 | 18°14 | 16° 9 | 7°46 | 22°40 | 20°23 | 20°20 | 20°57 | 29°44 | T 3 |
| W 4 | 19 19 41 | 19°20'52 | 3♎56 | 15°43 | 19°22 | 23°25 | 8°20 | 18°21 | 16°10 | 7°47 | 22°41 | 20°23 | 20°17 | 21° 4 | 29°43 | W 4 |
| T 5 | 19 23 37 | 20°18'07 | 16°11 | 16°54 | 20°36 | 23°15 | 8°32 | 18°29 | 16°11 | 7°48 | 22°42 | 20°23 | 20°14 | 21°11 | 29°43 | T 5 |
| F 6 | 19 27 34 | 21°15'24 | 28°42 | 18° 2 | 21°50 | 23° 6 | 8°45 | 18°37 | 16°12 | 7°49 | 22°43 | 20°23 | 20°11 | 21°17 | 29°42 | F 6 |
| S 7 | 19 31 30 | 22°12'40 | 11♏35 | 19° 8 | 23° 4 | 22°57 | 8°58 | 18°45 | 16°13 | 7°50 | 22°43 | 20°23 | 20° 7 | 21°24 | 29°42 | S 7 |
| S 8 | 19 35 27 | 23° 9'58 | 24°52 | 20°12 | 24°18 | 22°50 | 9°11 | 18°53 | 16°14 | 7°51 | 22°44 | 20°23 | 20° 4 | 21°31 | 29°41 | S 8 |
| M 9 | 19 39 24 | 24° 7'15 | 8♐35 | 21°12 | 25°32 | 22°43 | 9°24 | 19° 0 | 16°15 | 7°51 | 22°45 | 20°24 | 20° 1 | 21°37 | 29°40 | M 9 |
| T 10 | 19 43 20 | 25° 4'33 | 22°44 | 22°10 | 26°46 | 22°37 | 9°37 | 19° 8 | 16°16 | 7°52 | 22°46 | 20°24 | 19°58 | 21°44 | 29°39 | T 10 |
| W11 | 19 47 17 | 26° 1'52 | 7♑18 | 23° 5 | 28° 0 | 22°32 | 9°50 | 19°16 | 16°17 | 7°53 | 22°46 | 20°24 | 19°55 | 21°51 | 29°39 | W11 |
| T 12 | 19 51 13 | 26°59'12 | 22°10 | 23°57 | 29°14 | 22°28 | 10° 2 | 19°24 | 16°19 | 7°54 | 22°47 | 20°R25 | 19°52 | 21°57 | 29°38 | T 12 |
| F 13 | 19 55 10 | 27°56'32 | 7♒13 | 24°45 | 0♌28 | 22°24 | 10°15 | 19°31 | 16°20 | 7°54 | 22°48 | 20°24 | 19°48 | 22° 4 | 29°37 | F 13 |
| S 14 | 19 59 6 | 28°53'53 | 22°20 | 25°30 | 1°42 | 22°22 | 10°28 | 19°39 | 16°22 | 7°55 | 22°48 | 20°24 | 19°45 | 22°11 | 29°36 | S 14 |
| S 15 | 20 3 3 | 29°51'15 | 7♓20 | 26°11 | 2°56 | 22°20 | 10°41 | 19°47 | 16°23 | 7°56 | 22°49 | 20°23 | 19°42 | 22°17 | 29°35 | S 15 |
| M16 | 20 6 59 | 0♌48'38 | 22° 7 | 26°49 | 4°10 | 22°19 | 10°54 | 19°55 | 16°25 | 7°56 | 22°50 | 20°22 | 19°39 | 22°24 | 29°34 | M16 |
| T 17 | 20 10 56 | 1°46'03 | 6♈33 | 27°23 | 5°24 | 22°D19 | 11° 7 | 20° 2 | 16°26 | 7°57 | 22°50 | 20°21 | 19°36 | 22°31 | 29°33 | T 17 |
| W18 | 20 14 53 | 2°43'28 | 20°37 | 27°52 | 6°38 | 22°19 | 11°21 | 20°10 | 16°28 | 7°58 | 22°51 | 20°20 | 19°32 | 22°37 | 29°31 | W18 |
| T 19 | 20 18 49 | 3°40'55 | 4♉15 | 28°18 | 7°52 | 22°21 | 11°34 | 20°18 | 16°29 | 7°58 | 22°51 | 20°D20 | 19°29 | 22°44 | 29°30 | T 19 |
| F 20 | 20 22 46 | 4°38'24 | 17°31 | 28°39 | 9° 6 | 22°23 | 11°47 | 20°25 | 16°31 | 7°59 | 22°52 | 20°20 | 19°26 | 22°51 | 29°29 | F 20 |
| S 21 | 20 26 42 | 5°35'53 | 0♊25 | 28°55 | 10°20 | 22°26 | 12° 0 | 20°33 | 16°33 | 7°59 | 22°52 | 20°21 | 19°23 | 22°57 | 29°27 | S 21 |
| S 22 | 20 30 39 | 6°33'24 | 13° 1 | 29° 6 | 11°34 | 22°30 | 12°13 | 20°40 | 16°35 | 7°59 | 22°53 | 20°22 | 19°20 | 23° 4 | 29°26 | S 22 |
| M23 | 20 34 35 | 7°30'57 | 25°23 | 29°12 | 12°48 | 22°35 | 12°26 | 20°48 | 16°37 | 8° 0 | 22°53 | 20°23 | 19°17 | 23°11 | 29°25 | M23 |
| T 24 | 20 38 32 | 8°28'30 | 7♋32 | 29°R13 | 14° 2 | 22°41 | 12°39 | 20°56 | 16°38 | 8° 0 | 22°54 | 20°24 | 19°13 | 23°17 | 29°23 | T 24 |
| W25 | 20 42 28 | 9°26'05 | 19°33 | 29° 9 | 15°16 | 22°47 | 12°52 | 21° 3 | 16°40 | 8° 0 | 22°54 | 20°R25 | 19°10 | 23°24 | 29°22 | W25 |
| T 26 | 20 46 25 | 10°23'42 | 1♌27 | 28°59 | 16°30 | 22°54 | 13° 5 | 21°11 | 16°42 | 8° 1 | 22°55 | 20°25 | 19° 7 | 23°31 | 29°20 | T 26 |
| F 27 | 20 50 22 | 11°21'19 | 13°17 | 28°44 | 17°45 | 23° 2 | 13°19 | 21°18 | 16°44 | 8° 1 | 22°55 | 20°23 | 19° 4 | 23°37 | 29°19 | F 27 |
| S 28 | 20 54 18 | 12°18'58 | 25° 6 | 28°23 | 18°59 | 23°11 | 13°32 | 21°26 | 16°47 | 8° 1 | 22°56 | 20°21 | 19° 1 | 23°44 | 29°17 | S 28 |
| S 29 | 20 58 15 | 13°16'38 | 6♍55 | 27°56 | 20°13 | 23°21 | 13°45 | 21°33 | 16°49 | 8° 1 | 22°56 | 20°17 | 18°58 | 23°51 | 29°15 | S 29 |
| M30 | 21 2 11 | 14°14'19 | 18°46 | 27°25 | 21°27 | 23°31 | 13°58 | 21°40 | 16°51 | 8° 2 | 22°56 | 20°13 | 18°54 | 23°57 | 29°13 | M30 |
| T 31 | 21 6 8 | 15♌12'01 | 0♎43 | 26♌49 | 22♌41 | 23♐42 | 14♌11 | 21♋48 | 16♎53 | 8♉ 2 | 22♉57 | 20♋ 9 | 18♋51 | 24♌ 4 | 29♓12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n30 | 15n11 | 3n15 | 17n47 | 0n31 | 23n22 | 0n46 | 28s27 | 5s 5 | 19n 4 | 0n41 | 22n18 | 0s 0 | 5s48 | 0n36 | 12n26 | 1s48 | 5n41 | 13s14 | 21n58 | 21n57 | 17n 6 | 2n57 | 3n19 |
| M 2 | 22 23 | 11 34 | 4 2 | 17 16 | 0 22 | 23 15 | 0 48 | 28 28 | 5 6 | 19 1 | 0 41 | 22 17 | 0 0 | 5 48 | 0 36 | 12 26 | 1 48 | 5 41 | 13 14 | 21 58 | 21 58 | 17 4 | 2 56 | 3 19 |
| T 3 | 22 15 | 7 30 | 4 39 | 16 45 | 0 13 | 23 7 | 0 50 | 28 28 | 5 6 | 18 58 | 0 42 | 22 16 | 0n 0 | 5 49 | 0 36 | 12 26 | 1 48 | 5 41 | 13 14 | 21 58 | 21 58 | 17 3 | 2 56 | 3 20 |
| W 4 | 22 7 | 3 5 | 5 5 | 16 13 | 0 3 | 22 58 | 0 52 | 28 28 | 5 7 | 18 55 | 0 42 | 22 15 | 0 0 | 5 49 | 0 36 | 12 26 | 1 48 | 5 41 | 13 14 | 21 58 | 21 59 | 17 1 | 2 56 | 3 20 |
| T 5 | 21 59 | 1s30 | 5 17 | 15 42 | 0s 8 | 22 49 | 0 54 | 28 28 | 5 7 | 18 51 | 0 42 | 22 14 | 0 0 | 5 50 | 0 36 | 12 27 | 1 48 | 5 41 | 13 15 | 21 58 | 21 59 | 17 0 | 2 56 | 3 20 |
| F 6 | 21 50 | 6 9 | 5 14 | 15 11 | 0 18 | 22 40 | 0 56 | 28 28 | 5 8 | 18 48 | 0 42 | 22 13 | 0 0 | 5 50 | 0 36 | 12 27 | 1 49 | 5 41 | 13 15 | 21 58 | 22 0 | 16 58 | 2 56 | 3 20 |
| S 7 | 21 41 | 10 39 | 4 56 | 14 40 | 0 29 | 22 29 | 0 58 | 28 27 | 5 8 | 18 45 | 0 42 | 22 12 | 0 0 | 5 50 | 0 36 | 12 27 | 1 49 | 5 41 | 13 15 | 21 58 | 22 0 | 16 57 | 2 56 | 3 20 |
| S 8 | 21 31 | 14 48 | 4 22 | 14 10 | 0 40 | 22 18 | 0 59 | 28 27 | 5 8 | 18 41 | 0 42 | 22 11 | 0 0 | 5 51 | 0 36 | 12 27 | 1 49 | 5 41 | 13 15 | 21 58 | 22 1 | 16 55 | 2 56 | 3 20 |
| M 9 | 21 21 | 18 19 | 3 32 | 13 40 | 0 51 | 22 6 | 1 1 | 28 27 | 5 8 | 18 38 | 0 42 | 22 10 | 0 1 | 5 51 | 0 36 | 12 28 | 1 49 | 5 41 | 13 15 | 21 58 | 22 1 | 16 54 | 2 56 | 3 20 |
| T 10 | 21 11 | 20 52 | 2 28 | 13 10 | 1 3 | 21 54 | 1 3 | 28 26 | 5 8 | 18 35 | 0 42 | 22 9 | 0 1 | 5 52 | 0 36 | 12 28 | 1 49 | 5 40 | 13 16 | 21 58 | 22 2 | 16 52 | 2 55 | 3 20 |
| W11 | 21 1 | 22 7 | 1 12 | 12 41 | 1 15 | 21 41 | 1 4 | 28 26 | 5 8 | 18 31 | 0 42 | 22 8 | 0 1 | 5 52 | 0 36 | 12 28 | 1 49 | 5 40 | 13 16 | 21 58 | 22 2 | 16 51 | 2 55 | 3 20 |
| T 12 | 20 50 | 21 51 | 0s10 | 12 13 | 1 27 | 21 27 | 1 6 | 28 25 | 5 8 | 18 28 | 0 42 | 22 7 | 0 1 | 5 53 | 0 36 | 12 28 | 1 49 | 5 40 | 13 16 | 21 58 | 22 3 | 16 50 | 2 55 | 3 20 |
| F 13 | 20 38 | 20 1 | 1 32 | 11 46 | 1 39 | 21 13 | 1 7 | 28 25 | 5 7 | 18 24 | 0 42 | 22 6 | 0 1 | 5 54 | 0 36 | 12 28 | 1 49 | 5 40 | 13 16 | 21 58 | 22 3 | 16 48 | 2 55 | 3 21 |
| S 14 | 20 27 | 16 46 | 2 48 | 11 19 | 1 51 | 20 58 | 1 9 | 28 24 | 5 7 | 18 21 | 0 42 | 22 5 | 0 1 | 5 54 | 0 36 | 12 29 | 1 49 | 5 40 | 13 17 | 21 58 | 22 4 | 16 47 | 2 54 | 3 21 |
| S 15 | 20 15 | 12 26 | 3 52 | 10 53 | 2 4 | 20 42 | 1 10 | 28 23 | 5 6 | 18 17 | 0 42 | 22 4 | 0 1 | 5 55 | 0 36 | 12 29 | 1 49 | 5 40 | 13 17 | 21 58 | 22 4 | 16 45 | 2 54 | 3 21 |
| M16 | 20 3 | 7 25 | 4 39 | 10 29 | 2 16 | 20 26 | 1 11 | 28 23 | 5 5 | 18 14 | 0 42 | 22 3 | 0 1 | 5 55 | 0 36 | 12 29 | 1 49 | 5 40 | 13 17 | 21 58 | 22 4 | 16 44 | 2 54 | 3 21 |
| T 17 | 19 50 | 2 6 | 5 8 | 10 6 | 2 28 | 20 10 | 1 13 | 28 22 | 5 5 | 18 10 | 0 42 | 22 2 | 0 1 | 5 56 | 0 36 | 12 29 | 1 49 | 5 40 | 13 17 | 21 58 | 22 5 | 16 42 | 2 53 | 3 21 |
| W18 | 19 37 | 3n11 | 5 17 | 9 44 | 2 41 | 19 52 | 1 14 | 28 21 | 5 4 | 18 7 | 0 42 | 22 1 | 0 1 | 5 57 | 0 36 | 12 29 | 1 49 | 5 40 | 13 17 | 21 58 | 22 5 | 16 41 | 2 53 | 3 21 |
| T 19 | 19 24 | 8 9 | 5 8 | 9 24 | 2 53 | 19 34 | 1 15 | 28 20 | 5 3 | 18 3 | 0 42 | 22 0 | 0 1 | 5 57 | 0 36 | 12 29 | 1 49 | 5 40 | 13 18 | 21 58 | 22 6 | 16 39 | 2 52 | 3 21 |
| F 20 | 19 10 | 12 36 | 4 42 | 9 5 | 3 5 | 19 16 | 1 16 | 28 19 | 5 2 | 17 59 | 0 42 | 21 59 | 0 2 | 5 58 | 0 36 | 12 29 | 1 49 | 5 40 | 13 18 | 21 58 | 22 6 | 16 38 | 2 52 | 3 21 |
| S 21 | 18 56 | 16 21 | 4 3 | 8 49 | 3 17 | 18 57 | 1 17 | 28 18 | 5 1 | 17 56 | 0 42 | 21 58 | 0 2 | 5 59 | 0 36 | 12 29 | 1 49 | 5 40 | 13 18 | 21 58 | 22 7 | 16 36 | 2 52 | 3 21 |
| S 22 | 18 42 | 19 15 | 3 12 | 8 34 | 3 28 | 18 37 | 1 18 | 28 18 | 5 0 | 17 52 | 0 42 | 21 57 | 0 2 | 5 59 | 0 36 | 12 29 | 1 50 | 5 40 | 13 18 | 21 58 | 22 7 | 16 35 | 2 51 | 3 21 |
| M23 | 18 27 | 21 12 | 2 14 | 8 21 | 3 40 | 18 17 | 1 19 | 28 17 | 4 59 | 17 49 | 0 43 | 21 56 | 0 2 | 6 0 | 0 35 | 12 30 | 1 50 | 5 39 | 13 19 | 21 58 | 22 8 | 16 33 | 2 51 | 3 21 |
| T 24 | 18 12 | 22 8 | 1 11 | 8 11 | 3 50 | 17 57 | 1 20 | 28 16 | 4 57 | 17 45 | 0 43 | 21 55 | 0 2 | 6 1 | 0 35 | 12 30 | 1 50 | 5 39 | 13 19 | 21 58 | 22 8 | 16 31 | 2 50 | 3 22 |
| W25 | 17 57 | 22 1 | 0 5 | 8 3 | 4 0 | 17 36 | 1 21 | 28 15 | 4 56 | 17 41 | 0 43 | 21 54 | 0 2 | 6 2 | 0 35 | 12 30 | 1 50 | 5 39 | 13 19 | 21 58 | 22 9 | 16 30 | 2 50 | 3 22 |
| T 26 | 17 42 | 20 53 | 1n 1 | 7 58 | 4 10 | 17 14 | 1 22 | 28 14 | 4 55 | 17 38 | 0 43 | 21 53 | 0 2 | 6 3 | 0 35 | 12 30 | 1 50 | 5 39 | 13 19 | 21 58 | 22 9 | 16 28 | 2 49 | 3 22 |
| F 27 | 17 26 | 18 51 | 2 3 | 7 55 | 4 18 | 16 52 | 1 22 | 28 13 | 4 53 | 17 34 | 0 43 | 21 52 | 0 2 | 6 3 | 0 35 | 12 30 | 1 50 | 5 39 | 13 20 | 21 58 | 22 9 | 16 27 | 2 48 | 3 22 |
| S 28 | 17 10 | 16 1 | 3 0 | 7 56 | 4 25 | 16 30 | 1 23 | 28 12 | 4 52 | 17 30 | 0 43 | 21 51 | 0 2 | 6 4 | 0 35 | 12 30 | 1 50 | 5 39 | 13 20 | 21 58 | 22 10 | 16 25 | 2 48 | 3 22 |
| S 29 | 16 53 | 12 32 | 3 49 | 7 59 | 4 32 | 16 7 | 1 24 | 28 11 | 4 50 | 17 26 | 0 43 | 21 49 | 0 2 | 6 5 | 0 35 | 12 30 | 1 50 | 5 39 | 13 20 | 21 59 | 22 10 | 16 24 | 2 47 | 3 22 |
| M30 | 16 37 | 8 34 | 4 28 | 8 5 | 4 37 | 15 44 | 1 24 | 28 10 | 4 49 | 17 23 | 0 43 | 21 48 | 0 2 | 6 6 | 0 35 | 12 30 | 1 50 | 5 39 | 13 20 | 21 59 | 22 11 | 16 22 | 2 47 | 3 22 |
| T 31 | 16n20 | 4n14 | 4n56 | 8n13 | 4s40 | 15n20 | 1n25 | 28s 9 | 4s47 | 17n19 | 0n43 | 21n47 | 0n 3 | 6s 7 | 0n35 | 12n30 | 1s50 | 5n38 | 13s20 | 22n 0 | 22n11 | 16n21 | 2n46 | 3n22 |

Julian Day Number = 2227475.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°10'57, Lahiri = 15°17'57 Julian Calendar 1 July 1386 == Greg. Calendar 9 July 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## AUGUST 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 10 4 | 16♌ 9'44 | 12♎47 | 26°R 8 | 23♌56 | 23♐54 | 14♌24 | 21♋55 | 16♎55 | 8♉ 2 | 22♉57 | 20°R 6 | 18♋48 | 24♌11 | 29°R10 | W 1 |
| T 2 | 21 14 1 | 17° 7'29 | 25° 2 | 25♌23 | 25°10 | 24° 6 | 14°37 | 22° 2 | 16°58 | 8° 2 | 22°57 | 20♋ 3 | 18°45 | 24°17 | 29♓ 8 | T 2 |
| F 3 | 21 17 57 | 18° 5'15 | 7♏32 | 24°34 | 26°24 | 24°20 | 14°50 | 22°10 | 17° 0 | 8°R 2 | 22°57 | 20° 1 | 18°42 | 24°24 | 29° 6 | F 3 |
| S 4 | 21 21 54 | 19° 3'02 | 20°20 | 23°43 | 27°38 | 24°34 | 15° 4 | 22°17 | 17° 2 | 8° 2 | 22°58 | 20°D 1 | 18°38 | 24°31 | 29° 4 | S 4 |
| S 5 | 21 25 51 | 20° 0'50 | 3♐30 | 22°51 | 28°52 | 24°48 | 15°17 | 22°24 | 17° 5 | 8° 2 | 22°58 | 20° 1 | 18°35 | 24°37 | 29° 2 | S 5 |
| M 6 | 21 29 47 | 20°58'39 | 17° 5 | 21°57 | 0♍ 7 | 25° 4 | 15°30 | 22°31 | 17° 7 | 8° 2 | 22°58 | 20° 3 | 18°32 | 24°44 | 29° 0 | M 6 |
| T 7 | 21 33 44 | 21°56'30 | 1♑ 6 | 21° 4 | 1°21 | 25°20 | 15°43 | 22°39 | 17°10 | 8° 2 | 22°58 | 20° 4 | 18°29 | 24°51 | 28°58 | T 7 |
| W 8 | 21 37 40 | 22°54'22 | 15°34 | 20°12 | 2°35 | 25°37 | 15°56 | 22°46 | 17°12 | 8° 1 | 22°58 | 20°R 5 | 18°26 | 24°57 | 28°56 | W 8 |
| T 9 | 21 41 37 | 23°52'15 | 0♒24 | 19°23 | 3°49 | 25°54 | 16° 9 | 22°53 | 17°15 | 8° 1 | 22°59 | 20° 5 | 18°23 | 25° 4 | 28°54 | T 9 |
| F 10 | 21 45 33 | 24°50'10 | 15°31 | 18°38 | 5° 4 | 26°12 | 16°22 | 23° 0 | 17°17 | 8° 1 | 22°59 | 20° 3 | 18°19 | 25°11 | 28°52 | F 10 |
| S 11 | 21 49 30 | 25°48'06 | 0♓47 | 17°57 | 6°18 | 26°30 | 16°35 | 23° 7 | 17°20 | 8° 1 | 22°59 | 19°59 | 18°16 | 25°17 | 28°50 | S 11 |
| S 12 | 21 53 26 | 26°46'04 | 16° 0 | 17°21 | 7°32 | 26°50 | 16°48 | 23°14 | 17°23 | 8° 1 | 22°59 | 19°54 | 18°13 | 25°24 | 28°47 | S 12 |
| M13 | 21 57 23 | 27°44'03 | 1♈ 2 | 16°52 | 8°46 | 27° 9 | 17° 1 | 23°21 | 17°25 | 8° 0 | 22°59 | 19°49 | 18°10 | 25°31 | 28°45 | M13 |
| T 14 | 22 1 20 | 28°42'05 | 15°42 | 16°31 | 10° 1 | 27°30 | 17°14 | 23°28 | 17°28 | 8° 0 | 22°59 | 19°44 | 18° 7 | 25°37 | 28°43 | T 14 |
| W15 | 22 5 16 | 29°40'08 | 29°57 | 16°17 | 11°15 | 27°50 | 17°27 | 23°34 | 17°31 | 8° 0 | 22°R59 | 19°39 | 18° 4 | 25°44 | 28°40 | W15 |
| T 16 | 22 9 13 | 0♍38'13 | 13♉43 | 16°D11 | 12°29 | 28°12 | 17°40 | 23°41 | 17°34 | 7°59 | 22°59 | 19°36 | 18° 0 | 25°51 | 28°38 | T 16 |
| F 17 | 22 13 9 | 1°36'20 | 27° 0 | 16°13 | 13°44 | 28°34 | 17°53 | 23°48 | 17°37 | 7°59 | 22°59 | 19°D35 | 17°57 | 25°57 | 28°36 | F 17 |
| S 18 | 22 17 6 | 2°34'30 | 9♊52 | 16°24 | 14°58 | 28°56 | 18° 6 | 23°55 | 17°40 | 7°58 | 22°59 | 19°35 | 17°54 | 26° 4 | 28°33 | S 18 |
| S 19 | 22 21 2 | 3°32'41 | 22°23 | 16°44 | 16°12 | 29°19 | 18°19 | 24° 1 | 17°43 | 7°58 | 22°59 | 19°36 | 17°51 | 26°11 | 28°31 | S 19 |
| M20 | 22 24 59 | 4°30'54 | 4♋37 | 17°13 | 17°26 | 29°43 | 18°32 | 24° 8 | 17°46 | 7°57 | 22°59 | 19°38 | 17°48 | 26°17 | 28°28 | M20 |
| T 21 | 22 28 55 | 5°29'10 | 16°38 | 17°50 | 18°41 | 0♑ 7 | 18°45 | 24°14 | 17°49 | 7°57 | 22°59 | 19°R38 | 17°44 | 26°24 | 28°26 | T 21 |
| W22 | 22 32 52 | 6°27'27 | 28°32 | 18°35 | 19°55 | 0°31 | 18°57 | 24°21 | 17°52 | 7°56 | 22°58 | 19°38 | 17°41 | 26°31 | 28°23 | W22 |
| T 23 | 22 36 49 | 7°25'47 | 10♌21 | 19°28 | 21° 9 | 0°56 | 19°10 | 24°27 | 17°55 | 7°56 | 22°58 | 19°36 | 17°38 | 26°37 | 28°21 | T 23 |
| F 24 | 22 40 45 | 8°24'08 | 22° 9 | 20°28 | 22°24 | 1°22 | 19°23 | 24°34 | 17°58 | 7°55 | 22°58 | 19°31 | 17°35 | 26°44 | 28°18 | F 24 |
| S 25 | 22 44 42 | 9°22'31 | 3♍58 | 21°35 | 23°38 | 1°48 | 19°36 | 24°40 | 18° 1 | 7°54 | 22°58 | 19°24 | 17°32 | 26°51 | 28°16 | S 25 |
| S 26 | 22 48 38 | 10°20'56 | 15°51 | 22°49 | 24°52 | 2°14 | 19°48 | 24°46 | 18° 4 | 7°53 | 22°58 | 19°16 | 17°29 | 26°57 | 28°13 | S 26 |
| M27 | 22 52 35 | 11°19'23 | 27°48 | 24° 9 | 26° 7 | 2°41 | 20° 1 | 24°52 | 18° 7 | 7°53 | 22°57 | 19° 6 | 17°25 | 27° 4 | 28°10 | M27 |
| T 28 | 22 56 31 | 12°17'52 | 9♎52 | 25°34 | 27°21 | 3° 8 | 20°14 | 24°58 | 18°10 | 7°52 | 22°57 | 18°56 | 17°22 | 27°11 | 28° 8 | T 28 |
| W29 | 23 0 28 | 13°16'22 | 22° 4 | 27° 4 | 28°35 | 3°36 | 20°26 | 25° 5 | 18°14 | 7°51 | 22°57 | 18°46 | 17°19 | 27°18 | 28° 5 | W29 |
| T 30 | 23 4 24 | 14°14'55 | 4♏26 | 28°38 | 29°50 | 4° 4 | 20°39 | 25°11 | 18°17 | 7°50 | 22°57 | 18°38 | 17°16 | 27°24 | 28° 2 | T 30 |
| F 31 | 23 8 21 | 15♍13'29 | 17♏ 0 | 0♍16 | 1♎ 4 | 4♑33 | 20♌51 | 25♋17 | 18♎20 | 7♉49 | 22♉56 | 18♋32 | 17♋13 | 27♌31 | 28♓ 0 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n 3 | 0s17 | 5n11 | 8n25 | 4s42 | 14n56 | 1n25 | 28s 8 | 4s46 | 17n15 | 0n43 | 21n46 | 0n 3 | 6s 8 | 0n35 | 12n30 | 1s50 | 5n38 | 13s21 | 22n 1 | 22n12 | 16n19 | 2n45 | 3n22 |
| T 2 | 15 45 | 4 52 | 5 13 | 8 40 | 4 43 | 14 31 | 1 25 | 28 7 | 4 44 | 17 11 | 0 43 | 21 45 | 0 3 | 6 9 | 0 35 | 12 30 | 1 50 | 5 38 | 13 21 | 22 1 | 22 12 | 16 18 | 2 45 | 3 22 |
| F 3 | 15 28 | 9 21 | 4 59 | 8 57 | 4 41 | 14 6 | 1 26 | 28 6 | 4 42 | 17 8 | 0 43 | 21 44 | 0 3 | 6 10 | 0 35 | 12 30 | 1 50 | 5 38 | 13 21 | 22 1 | 22 13 | 16 16 | 2 44 | 3 22 |
| S 4 | 15 10 | 13 32 | 4 31 | 9 17 | 4 38 | 13 41 | 1 26 | 28 5 | 4 41 | 17 4 | 0 43 | 21 43 | 0 3 | 6 10 | 0 35 | 12 29 | 1 50 | 5 38 | 13 21 | 22 1 | 22 13 | 16 14 | 2 43 | 3 22 |
| S 5 | 14 51 | 17 12 | 3 48 | 9 39 | 4 33 | 13 15 | 1 26 | 28 4 | 4 39 | 17 0 | 0 43 | 21 42 | 0 3 | 6 11 | 0 35 | 12 29 | 1 50 | 5 37 | 13 22 | 22 1 | 22 13 | 16 13 | 2 43 | 3 22 |
| M 6 | 14 33 | 20 3 | 2 51 | 10 3 | 4 25 | 12 49 | 1 26 | 28 2 | 4 37 | 16 56 | 0 44 | 21 41 | 0 3 | 6 12 | 0 35 | 12 29 | 1 50 | 5 37 | 13 22 | 22 1 | 22 14 | 16 11 | 2 42 | 3 22 |
| T 7 | 14 14 | 21 49 | 1 42 | 10 28 | 4 16 | 12 22 | 1 26 | 28 1 | 4 35 | 16 52 | 0 44 | 21 40 | 0 3 | 6 13 | 0 35 | 12 29 | 1 51 | 5 37 | 13 22 | 22 1 | 22 14 | 16 10 | 2 41 | 3 23 |
| W 8 | 13 56 | 22 12 | 0 25 | 10 55 | 4 6 | 11 55 | 1 26 | 28 0 | 4 33 | 16 49 | 0 44 | 21 39 | 0 3 | 6 14 | 0 35 | 12 29 | 1 51 | 5 37 | 13 22 | 22 1 | 22 15 | 16 8 | 2 40 | 3 23 |
| T 9 | 13 36 | 21 3 | 0s56 | 11 22 | 3 53 | 11 28 | 1 26 | 27 59 | 4 32 | 16 45 | 0 44 | 21 38 | 0 3 | 6 15 | 0 35 | 12 29 | 1 51 | 5 37 | 13 23 | 22 1 | 22 15 | 16 6 | 2 39 | 3 23 |
| F 10 | 13 17 | 18 22 | 2 14 | 11 49 | 3 39 | 11 1 | 1 26 | 27 57 | 4 30 | 16 41 | 0 44 | 21 36 | 0 3 | 6 16 | 0 35 | 12 29 | 1 51 | 5 36 | 13 23 | 22 1 | 22 16 | 16 5 | 2 39 | 3 23 |
| S 11 | 12 58 | 14 24 | 3 24 | 12 16 | 3 24 | 10 33 | 1 25 | 27 56 | 4 28 | 16 37 | 0 44 | 21 35 | 0 4 | 6 18 | 0 35 | 12 29 | 1 51 | 5 36 | 13 23 | 22 1 | 22 16 | 16 3 | 2 38 | 3 23 |
| S 12 | 12 38 | 9 30 | 4 18 | 12 43 | 3 7 | 10 5 | 1 25 | 27 55 | 4 26 | 16 33 | 0 44 | 21 34 | 0 4 | 6 19 | 0 35 | 12 29 | 1 51 | 5 36 | 13 23 | 22 2 | 22 16 | 16 2 | 2 37 | 3 23 |
| M13 | 12 18 | 4 5 | 4 54 | 13 8 | 2 50 | 9 37 | 1 25 | 27 53 | 4 24 | 16 29 | 0 44 | 21 33 | 0 4 | 6 20 | 0 35 | 12 28 | 1 51 | 5 36 | 13 24 | 22 3 | 22 17 | 16 0 | 2 36 | 3 23 |
| T 14 | 11 58 | 1n26 | 5 10 | 13 32 | 2 32 | 9 8 | 1 24 | 27 52 | 4 22 | 16 25 | 0 44 | 21 32 | 0 4 | 6 21 | 0 35 | 12 28 | 1 51 | 5 36 | 13 24 | 22 4 | 22 17 | 15 58 | 2 35 | 3 23 |
| W15 | 11 38 | 6 43 | 5 6 | 13 53 | 2 13 | 8 39 | 1 24 | 27 50 | 4 20 | 16 22 | 0 44 | 21 31 | 0 4 | 6 22 | 0 35 | 12 28 | 1 51 | 5 35 | 13 24 | 22 4 | 22 18 | 15 57 | 2 34 | 3 23 |
| T 16 | 11 17 | 11 29 | 4 44 | 14 13 | 1 55 | 8 10 | 1 23 | 27 49 | 4 18 | 16 18 | 0 44 | 21 30 | 0 4 | 6 23 | 0 35 | 12 28 | 1 51 | 5 35 | 13 24 | 22 5 | 22 18 | 15 55 | 2 33 | 3 23 |
| F 17 | 10 56 | 15 33 | 4 7 | 14 30 | 1 36 | 7 41 | 1 22 | 27 47 | 4 16 | 16 14 | 0 45 | 21 29 | 0 4 | 6 24 | 0 35 | 12 28 | 1 51 | 5 35 | 13 25 | 22 5 | 22 19 | 15 53 | 2 32 | 3 23 |
| S 18 | 10 35 | 18 43 | 3 19 | 14 45 | 1 17 | 7 12 | 1 22 | 27 45 | 4 14 | 16 10 | 0 45 | 21 28 | 0 4 | 6 25 | 0 35 | 12 28 | 1 51 | 5 35 | 13 25 | 22 5 | 22 19 | 15 52 | 2 31 | 3 23 |
| S 19 | 10 14 | 20 56 | 2 22 | 14 56 | 0 59 | 6 42 | 1 21 | 27 43 | 4 12 | 16 6 | 0 45 | 21 27 | 0 4 | 6 26 | 0 35 | 12 27 | 1 51 | 5 34 | 13 25 | 22 5 | 22 19 | 15 50 | 2 30 | 3 23 |
| M20 | 9 53 | 22 6 | 1 21 | 15 4 | 0 42 | 6 12 | 1 20 | 27 41 | 4 10 | 16 2 | 0 45 | 21 26 | 0 4 | 6 27 | 0 35 | 12 27 | 1 51 | 5 34 | 13 25 | 22 5 | 22 20 | 15 49 | 2 29 | 3 23 |
| T 21 | 9 32 | 22 13 | 0 16 | 15 9 | 0 25 | 5 42 | 1 19 | 27 39 | 4 8 | 15 58 | 0 45 | 21 25 | 0 4 | 6 29 | 0 35 | 12 27 | 1 51 | 5 34 | 13 26 | 22 5 | 22 20 | 15 47 | 2 28 | 3 23 |
| W22 | 9 10 | 21 18 | 0n48 | 15 11 | 0 8 | 5 12 | 1 18 | 27 37 | 4 6 | 15 54 | 0 45 | 21 24 | 0 5 | 6 30 | 0 35 | 12 27 | 1 51 | 5 34 | 13 26 | 22 5 | 22 21 | 15 45 | 2 27 | 3 23 |
| T 23 | 8 49 | 19 28 | 1 49 | 15 9 | 0n 7 | 4 42 | 1 17 | 27 35 | 4 4 | 15 50 | 0 45 | 21 23 | 0 5 | 6 31 | 0 35 | 12 26 | 1 51 | 5 33 | 13 26 | 22 5 | 22 21 | 15 44 | 2 26 | 3 23 |
| F 24 | 8 27 | 16 48 | 2 46 | 15 3 | 0 21 | 4 11 | 1 16 | 27 33 | 4 2 | 15 46 | 0 45 | 21 22 | 0 5 | 6 32 | 0 34 | 12 26 | 1 52 | 5 33 | 13 26 | 22 6 | 22 22 | 15 42 | 2 25 | 3 23 |
| S 25 | 8 5 | 13 26 | 3 36 | 14 54 | 0 35 | 3 41 | 1 15 | 27 30 | 4 0 | 15 42 | 0 45 | 21 20 | 0 5 | 6 33 | 0 34 | 12 26 | 1 52 | 5 33 | 13 27 | 22 7 | 22 22 | 15 40 | 2 24 | 3 23 |
| S 26 | 7 43 | 9 32 | 4 16 | 14 42 | 0 47 | 3 10 | 1 14 | 27 28 | 3 58 | 15 39 | 0 46 | 21 19 | 0 5 | 6 35 | 0 34 | 12 26 | 1 52 | 5 32 | 13 27 | 22 8 | 22 22 | 15 39 | 2 23 | 3 23 |
| M27 | 7 21 | 5 14 | 4 45 | 14 26 | 0 58 | 2 39 | 1 12 | 27 25 | 3 56 | 15 35 | 0 46 | 21 18 | 0 5 | 6 36 | 0 34 | 12 25 | 1 52 | 5 32 | 13 27 | 22 9 | 22 23 | 15 37 | 2 22 | 3 23 |
| T 28 | 6 58 | 0 42 | 5 2 | 14 7 | 1 8 | 2 8 | 1 11 | 27 23 | 3 54 | 15 31 | 0 46 | 21 17 | 0 5 | 6 37 | 0 34 | 12 25 | 1 52 | 5 32 | 13 27 | 22 11 | 22 23 | 15 35 | 2 21 | 3 23 |
| W29 | 6 36 | 3s54 | 5 5 | 13 44 | 1 17 | 1 38 | 1 10 | 27 20 | 3 52 | 15 27 | 0 46 | 21 16 | 0 5 | 6 38 | 0 34 | 12 25 | 1 52 | 5 32 | 13 28 | 22 12 | 22 24 | 15 34 | 2 20 | 3 23 |
| T 30 | 6 13 | 8 25 | 4 54 | 13 19 | 1 25 | 1 7 | 1 8 | 27 17 | 3 50 | 15 23 | 0 46 | 21 15 | 0 5 | 6 40 | 0 34 | 12 24 | 1 52 | 5 31 | 13 28 | 22 13 | 22 24 | 15 32 | 2 19 | 3 23 |
| F 31 | 5n50 | 12s40 | 4n29 | 12n51 | 1n32 | 0n35 | 1n 7 | 27s14 | 3s48 | 15n19 | 0n46 | 21n14 | 0n 5 | 6s41 | 0n34 | 12n24 | 1s52 | 5n31 | 13s28 | 22n14 | 22n24 | 15n30 | 2n18 | 3n23 |

Julian Day Number = 2227506.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'01, Lahiri = 15°18'01 Julian Calendar 1 Aug. 1386 == Greg. Calendar 9 Aug. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## SEPTEMBER 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 12 17 | 16♍12'04 | 29♏49 | 1♍57 | 2♎18 | 5♑ 1 | 21♌ 4 | 25♋22 | 18♎23 | 7°R49 | 22°R56 | 18°R29 | 17♋ 9 | 27♌38 | 27°R57 | S 1 |
| S 2 | 23 16 14 | 17°10'42 | 12♐55 | 3°40 | 3°33 | 5°31 | 21°16 | 25°28 | 18°27 | 7♉48 | 22♉56 | 18°D27 | 17° 6 | 27°44 | 27♓54 | S 2 |
| M 3 | 23 20 11 | 18° 9'21 | 26°21 | 5°25 | 4°47 | 6° 0 | 21°29 | 25°34 | 18°30 | 7°47 | 22°55 | 18♋27 | 17° 3 | 27°51 | 27°51 | M 3 |
| T 4 | 23 24 7 | 19° 8'02 | 10♑11 | 7°12 | 6° 1 | 6°30 | 21°41 | 25°40 | 18°34 | 7°46 | 22°55 | 18°28 | 17° 0 | 27°58 | 27°49 | T 4 |
| W 5 | 23 28 4 | 20° 6'45 | 24°24 | 9° 0 | 7°16 | 7° 1 | 21°53 | 25°45 | 18°37 | 7°45 | 22°54 | 18°R28 | 16°57 | 28° 4 | 27°46 | W 5 |
| T 6 | 23 32 0 | 21° 5'29 | 9♒ 0 | 10°50 | 8°30 | 7°32 | 22° 6 | 25°51 | 18°40 | 7°44 | 22°54 | 18°27 | 16°54 | 28°11 | 27°43 | T 6 |
| F 7 | 23 35 57 | 22° 4'15 | 23°56 | 12°39 | 9°44 | 8° 3 | 22°18 | 25°56 | 18°44 | 7°43 | 22°53 | 18°23 | 16°50 | 28°18 | 27°40 | F 7 |
| S 8 | 23 39 53 | 23° 3'03 | 9♓ 4 | 14°29 | 10°59 | 8°34 | 22°30 | 26° 2 | 18°47 | 7°42 | 22°53 | 18°16 | 16°47 | 28°24 | 27°38 | S 8 |
| S 9 | 23 43 50 | 24° 1'53 | 24°15 | 16°19 | 12°13 | 9° 6 | 22°42 | 26° 7 | 18°51 | 7°40 | 22°52 | 18° 7 | 16°44 | 28°31 | 27°35 | S 9 |
| M10 | 23 47 46 | 25° 0'45 | 9♈18 | 18° 9 | 13°27 | 9°38 | 22°54 | 26°12 | 18°54 | 7°39 | 22°52 | 17°57 | 16°41 | 28°38 | 27°32 | M10 |
| T 11 | 23 51 43 | 25°59'39 | 24° 5 | 19°59 | 14°41 | 10°10 | 23° 6 | 26°17 | 18°58 | 7°38 | 22°51 | 17°47 | 16°38 | 28°44 | 27°29 | T 11 |
| W12 | 23 55 40 | 26°58'35 | 8♉26 | 21°49 | 15°56 | 10°43 | 23°18 | 26°23 | 19° 1 | 7°37 | 22°51 | 17°38 | 16°35 | 28°51 | 27°27 | W12 |
| T 13 | 23 59 36 | 27°57'33 | 22°19 | 23°38 | 17°10 | 11°16 | 23°30 | 26°28 | 19° 5 | 7°36 | 22°50 | 17°32 | 16°31 | 28°58 | 27°24 | T 13 |
| F 14 | 0 3 33 | 28°56'34 | 5♊42 | 25°26 | 18°24 | 11°49 | 23°42 | 26°33 | 19° 9 | 7°35 | 22°50 | 17°27 | 16°28 | 29° 4 | 27°21 | F 14 |
| S 15 | 0 7 29 | 29°55'37 | 18°38 | 27°14 | 19°39 | 12°22 | 23°54 | 26°37 | 19°12 | 7°33 | 22°49 | 17°25 | 16°25 | 29°11 | 27°18 | S 15 |
| S 16 | 0 11 26 | 0♎54'43 | 1♋10 | 29° 1 | 20°53 | 12°56 | 24° 5 | 26°42 | 19°16 | 7°32 | 22°48 | 17°D24 | 16°22 | 29°18 | 27°15 | S 16 |
| M17 | 0 15 22 | 1°53'50 | 13°22 | 0♎47 | 22° 7 | 13°30 | 24°17 | 26°47 | 19°19 | 7°31 | 22°48 | 17°R24 | 16°19 | 29°24 | 27°13 | M17 |
| T 18 | 0 19 19 | 2°53'01 | 25°22 | 2°33 | 23°21 | 14° 4 | 24°28 | 26°52 | 19°23 | 7°30 | 22°47 | 17°24 | 16°15 | 29°31 | 27°10 | T 18 |
| W19 | 0 23 15 | 3°52'13 | 7♌13 | 4°18 | 24°36 | 14°39 | 24°40 | 26°56 | 19°27 | 7°28 | 22°46 | 17°23 | 16°12 | 29°38 | 27° 7 | W19 |
| T 20 | 0 27 12 | 4°51'28 | 19° 1 | 6° 2 | 25°50 | 15°13 | 24°51 | 27° 1 | 19°30 | 7°27 | 22°46 | 17°19 | 16° 9 | 29°44 | 27° 4 | T 20 |
| F 21 | 0 31 9 | 5°50'45 | 0♍49 | 7°45 | 27° 4 | 15°48 | 25° 3 | 27° 5 | 19°34 | 7°25 | 22°45 | 17°12 | 16° 6 | 29°51 | 27° 2 | F 21 |
| S 22 | 0 35 5 | 6°50'04 | 12°42 | 9°28 | 28°18 | 16°24 | 25°14 | 27° 9 | 19°38 | 7°24 | 22°44 | 17° 2 | 16° 3 | 29°58 | 26°59 | S 22 |
| S 23 | 0 39 2 | 7°49'25 | 24°41 | 11°10 | 29°33 | 16°59 | 25°25 | 27°13 | 19°42 | 7°23 | 22°44 | 16°50 | 16° 0 | 0♍ 5 | 26°56 | S 23 |
| M24 | 0 42 58 | 8°48'49 | 6♎48 | 12°51 | 0♏47 | 17°35 | 25°37 | 27°18 | 19°45 | 7°21 | 22°43 | 16°36 | 15°56 | 0°11 | 26°53 | M24 |
| T 25 | 0 46 55 | 9°48'14 | 19° 4 | 14°31 | 2° 1 | 18°11 | 25°48 | 27°22 | 19°49 | 7°20 | 22°42 | 16°22 | 15°53 | 0°18 | 26°51 | T 25 |
| W26 | 0 50 51 | 10°47'42 | 1♏30 | 16°11 | 3°15 | 18°47 | 25°59 | 27°25 | 19°53 | 7°18 | 22°41 | 16° 9 | 15°50 | 0°25 | 26°48 | W26 |
| T 27 | 0 54 48 | 11°47'11 | 14° 6 | 17°49 | 4°30 | 19°23 | 26°10 | 27°29 | 19°56 | 7°17 | 22°40 | 15°57 | 15°47 | 0°31 | 26°45 | T 27 |
| F 28 | 0 58 44 | 12°46'43 | 26°53 | 19°28 | 5°44 | 20° 0 | 26°20 | 27°33 | 20° 0 | 7°15 | 22°40 | 15°48 | 15°44 | 0°38 | 26°43 | F 28 |
| S 29 | 1 2 41 | 13°46'16 | 9♐51 | 21° 5 | 6°58 | 20°36 | 26°31 | 27°37 | 20° 4 | 7°14 | 22°39 | 15°42 | 15°40 | 0°45 | 26°40 | S 29 |
| S 30 | 1 6 37 | 14♎45'52 | 23♐ 2 | 22♎42 | 8♏12 | 21♑13 | 26♌42 | 27♋40 | 20♎ 8 | 7♉12 | 22♉38 | 15♋39 | 15♋37 | 0♍51 | 26♓37 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n28 | 16s26 | 3n50 | 12n20 | 1n37 | 0n 4 | 1n 5 | 27s11 | 3s46 | 15n15 | 0n46 | 21n13 | 0n 6 | 6s42 | 0n34 | 12n24 | 1s52 | 5n31 | 13s28 | 22n14 | 22n25 | 15n28 | 2n17 | 3n23 |
| S 2 | 5 5 | 19 28 | 2 58 | 11 47 | 1 42 | 0s27 | 1 3 | 27 8 | 3 44 | 15 11 | 0 46 | 21 12 | 0 6 | 6 44 | 0 34 | 12 23 | 1 52 | 5 30 | 13 29 | 22 15 | 22 25 | 15 27 | 2 16 | 3 23 |
| M 3 | 4 42 | 21 33 | 1 55 | 11 11 | 1 45 | 0 58 | 1 2 | 27 4 | 3 42 | 15 7 | 0 46 | 21 12 | 0 6 | 6 45 | 0 34 | 12 23 | 1 52 | 5 30 | 13 29 | 22 14 | 22 26 | 15 25 | 2 15 | 3 23 |
| T 4 | 4 19 | 22 24 | 0 44 | 10 34 | 1 48 | 1 29 | 1 0 | 27 1 | 3 39 | 15 4 | 0 47 | 21 11 | 0 6 | 6 46 | 0 34 | 12 23 | 1 52 | 5 30 | 13 29 | 22 14 | 22 26 | 15 23 | 2 13 | 3 23 |
| W 5 | 3 56 | 21 50 | 0s32 | 9 55 | 1 50 | 2 0 | 0 58 | 26 57 | 3 37 | 15 0 | 0 47 | 21 10 | 0 6 | 6 47 | 0 34 | 12 22 | 1 52 | 5 29 | 13 29 | 22 14 | 22 26 | 15 22 | 2 12 | 3 23 |
| T 6 | 3 33 | 19 47 | 1 47 | 9 14 | 1 51 | 2 31 | 0 56 | 26 53 | 3 35 | 14 56 | 0 47 | 21 9 | 0 6 | 6 49 | 0 34 | 12 22 | 1 52 | 5 29 | 13 29 | 22 15 | 22 27 | 15 20 | 2 11 | 3 23 |
| F 7 | 3 9 | 16 22 | 2 57 | 8 33 | 1 51 | 3 2 | 0 54 | 26 49 | 3 33 | 14 52 | 0 47 | 21 8 | 0 6 | 6 50 | 0 34 | 12 22 | 1 52 | 5 29 | 13 30 | 22 15 | 22 27 | 15 18 | 2 10 | 3 23 |
| S 8 | 2 46 | 11 50 | 3 55 | 7 50 | 1 51 | 3 33 | 0 52 | 26 45 | 3 31 | 14 48 | 0 47 | 21 7 | 0 6 | 6 51 | 0 34 | 12 21 | 1 52 | 5 28 | 13 30 | 22 16 | 22 28 | 15 16 | 2 9 | 3 22 |
| S 9 | 2 23 | 6 32 | 4 37 | 7 6 | 1 49 | 4 4 | 0 50 | 26 41 | 3 29 | 14 44 | 0 47 | 21 6 | 0 6 | 6 53 | 0 34 | 12 21 | 1 52 | 5 28 | 13 30 | 22 17 | 22 28 | 15 15 | 2 8 | 3 22 |
| M10 | 1 59 | 0 53 | 4 59 | 6 21 | 1 48 | 4 35 | 0 48 | 26 37 | 3 27 | 14 40 | 0 47 | 21 5 | 0 6 | 6 54 | 0 34 | 12 20 | 1 52 | 5 28 | 13 30 | 22 19 | 22 28 | 15 13 | 2 7 | 3 22 |
| T 11 | 1 36 | 4n42 | 5 1 | 5 35 | 1 45 | 5 6 | 0 46 | 26 32 | 3 25 | 14 37 | 0 47 | 21 4 | 0 7 | 6 56 | 0 34 | 12 20 | 1 52 | 5 27 | 13 30 | 22 20 | 22 29 | 15 11 | 2 5 | 3 22 |
| W12 | 1 12 | 9 53 | 4 43 | 4 50 | 1 42 | 5 36 | 0 44 | 26 27 | 3 23 | 14 33 | 0 48 | 21 3 | 0 7 | 6 57 | 0 34 | 12 19 | 1 52 | 5 27 | 13 31 | 22 21 | 22 29 | 15 9 | 2 4 | 3 22 |
| T 13 | 0 49 | 14 24 | 4 9 | 4 3 | 1 39 | 6 7 | 0 42 | 26 23 | 3 21 | 14 29 | 0 48 | 21 2 | 0 7 | 6 58 | 0 34 | 12 19 | 1 52 | 5 27 | 13 31 | 22 22 | 22 30 | 15 8 | 2 3 | 3 22 |
| F 14 | 0 25 | 18 0 | 3 22 | 3 17 | 1 35 | 6 38 | 0 40 | 26 18 | 3 19 | 14 25 | 0 48 | 21 2 | 0 7 | 7 0 | 0 34 | 12 19 | 1 53 | 5 26 | 13 31 | 22 23 | 22 30 | 15 6 | 2 2 | 3 22 |
| S 15 | 0 2 | 20 36 | 2 27 | 2 30 | 1 31 | 7 8 | 0 38 | 26 12 | 3 17 | 14 21 | 0 48 | 21 1 | 0 7 | 7 1 | 0 34 | 12 18 | 1 53 | 5 26 | 13 31 | 22 23 | 22 30 | 15 4 | 2 1 | 3 22 |
| S 16 | 0s22 | 22 6 | 1 25 | 1 43 | 1 27 | 7 38 | 0 35 | 26 7 | 3 15 | 14 18 | 0 48 | 21 0 | 0 7 | 7 2 | 0 34 | 12 18 | 1 53 | 5 26 | 13 32 | 22 23 | 22 31 | 15 2 | 2 0 | 3 22 |
| M17 | 0 45 | 22 29 | 0 21 | 0 56 | 1 22 | 8 8 | 0 33 | 26 2 | 3 13 | 14 14 | 0 48 | 20 59 | 0 7 | 7 4 | 0 34 | 12 17 | 1 53 | 5 25 | 13 32 | 22 23 | 22 31 | 15 1 | 1 58 | 3 22 |
| T 18 | 1 9 | 21 50 | 0n42 | 0 9 | 1 17 | 8 38 | 0 31 | 25 56 | 3 11 | 14 10 | 0 49 | 20 58 | 0 7 | 7 5 | 0 34 | 12 17 | 1 53 | 5 25 | 13 32 | 22 23 | 22 32 | 14 59 | 1 57 | 3 22 |
| W19 | 1 33 | 20 11 | 1 43 | 0s37 | 1 11 | 9 7 | 0 28 | 25 50 | 3 9 | 14 6 | 0 49 | 20 58 | 0 7 | 7 7 | 0 34 | 12 16 | 1 53 | 5 25 | 13 32 | 22 23 | 22 32 | 14 57 | 1 56 | 3 22 |
| T 20 | 1 56 | 17 41 | 2 39 | 1 24 | 1 6 | 9 37 | 0 26 | 25 44 | 3 7 | 14 3 | 0 49 | 20 57 | 0 7 | 7 8 | 0 34 | 12 16 | 1 53 | 5 24 | 13 32 | 22 24 | 22 32 | 14 55 | 1 55 | 3 22 |
| F 21 | 2 20 | 14 28 | 3 28 | 2 10 | 1 0 | 10 6 | 0 23 | 25 38 | 3 5 | 13 59 | 0 49 | 20 56 | 0 8 | 7 9 | 0 34 | 12 15 | 1 53 | 5 24 | 13 32 | 22 24 | 22 33 | 14 54 | 1 54 | 3 21 |
| S 22 | 2 43 | 10 38 | 4 9 | 2 56 | 0 54 | 10 35 | 0 21 | 25 32 | 3 3 | 13 55 | 0 49 | 20 55 | 0 8 | 7 11 | 0 34 | 12 15 | 1 53 | 5 24 | 13 33 | 22 26 | 22 33 | 14 52 | 1 52 | 3 21 |
| S 23 | 3 7 | 6 22 | 4 38 | 3 42 | 0 48 | 11 4 | 0 18 | 25 25 | 3 1 | 13 52 | 0 49 | 20 55 | 0 8 | 7 12 | 0 34 | 12 14 | 1 53 | 5 23 | 13 33 | 22 27 | 22 33 | 14 50 | 1 51 | 3 21 |
| M24 | 3 30 | 1 49 | 4 56 | 4 27 | 0 41 | 11 32 | 0 16 | 25 19 | 2 59 | 13 48 | 0 49 | 20 54 | 0 8 | 7 14 | 0 34 | 12 14 | 1 53 | 5 23 | 13 33 | 22 29 | 22 34 | 14 48 | 1 50 | 3 21 |
| T 25 | 3 54 | 2s52 | 4 59 | 5 12 | 0 35 | 12 1 | 0 13 | 25 12 | 2 57 | 13 44 | 0 50 | 20 53 | 0 8 | 7 15 | 0 34 | 12 13 | 1 53 | 5 23 | 13 33 | 22 31 | 22 34 | 14 46 | 1 49 | 3 21 |
| W26 | 4 17 | 7 31 | 4 49 | 5 57 | 0 29 | 12 29 | 0 10 | 25 5 | 2 55 | 13 41 | 0 50 | 20 53 | 0 8 | 7 17 | 0 34 | 12 13 | 1 53 | 5 22 | 13 33 | 22 32 | 22 35 | 14 45 | 1 48 | 3 21 |
| T 27 | 4 41 | 11 54 | 4 25 | 6 41 | 0 22 | 12 56 | 0 8 | 24 58 | 2 53 | 13 37 | 0 50 | 20 52 | 0 8 | 7 18 | 0 34 | 12 12 | 1 53 | 5 22 | 13 33 | 22 34 | 22 35 | 14 43 | 1 46 | 3 21 |
| F 28 | 5 4 | 15 50 | 3 47 | 7 24 | 0 15 | 13 24 | 0 5 | 24 50 | 2 51 | 13 34 | 0 50 | 20 51 | 0 8 | 7 19 | 0 34 | 12 12 | 1 53 | 5 22 | 13 34 | 22 35 | 22 35 | 14 41 | 1 45 | 3 21 |
| S 29 | 5 27 | 19 5 | 2 57 | 8 7 | 0 8 | 13 51 | 0 3 | 24 43 | 2 49 | 13 30 | 0 50 | 20 51 | 0 8 | 7 21 | 0 34 | 12 11 | 1 53 | 5 21 | 13 34 | 22 35 | 22 36 | 14 39 | 1 44 | 3 21 |
| S 30 | 5s50 | 21s24 | 1n56 | 8s50 | 0n 2 | 14s17 | 0s 0 | 24s35 | 2s47 | 13n27 | 0n50 | 20n50 | 0n 9 | 7s22 | 0n34 | 12n11 | 1s53 | 5n21 | 13s34 | 22n36 | 22n36 | 14n37 | 1n43 | 3n20 |

Julian Day Number = 2227537.5, Delta T = 08m14s
Ecliptic obliquity = 23°31'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'05, Lahiri = 15°18'06 Julian Calendar 1 Sept. 1386 == Greg. Calendar 9 Sept. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## OCTOBER 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 10 34 | 15♎45'29 | 6♉28 | 24♎18 | 9♏27 | 21♉50 | 26♌53 | 27♋44 | 20♎11 | 7°R11 | 22°R37 | 15°R38 | 15♋34 | 0♍58 | 26°R35 | M 1 |
| T 2 | 1 14 31 | 16°45'08 | 20°11 | 25°54 | 10°41 | 22°28 | 27° 3 | 27°47 | 20°15 | 7♉ 9 | 22♉36 | 15♋38 | 15°31 | 1° 5 | 26♓32 | T 2 |
| W 3 | 1 18 27 | 17°44'48 | 4♒11 | 27°29 | 11°55 | 23° 5 | 27°14 | 27°50 | 20°19 | 7° 8 | 22°35 | 15°38 | 15°28 | 1°11 | 26°30 | W 3 |
| T 4 | 1 22 24 | 18°44'30 | 18°30 | 29° 3 | 13° 9 | 23°43 | 27°24 | 27°53 | 20°23 | 7° 6 | 22°34 | 15°35 | 15°25 | 1°18 | 26°27 | T 4 |
| F 5 | 1 26 20 | 19°44'14 | 3♓ 5 | 0♏37 | 14°23 | 24°21 | 27°34 | 27°56 | 20°27 | 7° 4 | 22°33 | 15°31 | 15°21 | 1°25 | 26°25 | F 5 |
| S 6 | 1 30 17 | 20°44'00 | 17°52 | 2°10 | 15°37 | 24°59 | 27°44 | 27°59 | 20°30 | 7° 3 | 22°33 | 15°23 | 15°18 | 1°31 | 26°22 | S 6 |
| S 7 | 1 34 13 | 21°43'47 | 2♈44 | 3°42 | 16°52 | 25°37 | 27°54 | 28° 2 | 20°34 | 7° 1 | 22°32 | 15°13 | 15°15 | 1°38 | 26°20 | S 7 |
| M 8 | 1 38 10 | 22°43'37 | 17°33 | 5°14 | 18° 6 | 26°15 | 28° 4 | 28° 5 | 20°38 | 7° 0 | 22°31 | 15° 2 | 15°12 | 1°45 | 26°17 | M 8 |
| T 9 | 1 42 6 | 23°43'28 | 2♉ 9 | 6°46 | 19°20 | 26°54 | 28°14 | 28° 8 | 20°42 | 6°58 | 22°30 | 14°50 | 15° 9 | 1°51 | 26°15 | T 9 |
| W10 | 1 46 3 | 24°43'21 | 16°27 | 8°17 | 20°34 | 27°32 | 28°24 | 28°10 | 20°45 | 6°56 | 22°29 | 14°39 | 15° 6 | 1°58 | 26°12 | W10 |
| T 11 | 1 50 0 | 25°43'16 | 0♊19 | 9°47 | 21°48 | 28°11 | 28°34 | 28°13 | 20°49 | 6°55 | 22°28 | 14°31 | 15° 2 | 2° 5 | 26°10 | T 11 |
| F 12 | 1 53 56 | 26°43'14 | 13°44 | 11°17 | 23° 2 | 28°50 | 28°43 | 28°15 | 20°53 | 6°53 | 22°27 | 14°25 | 14°59 | 2°12 | 26° 8 | F 12 |
| S 13 | 1 57 53 | 27°43'14 | 26°43 | 12°47 | 24°16 | 29°29 | 28°53 | 28°17 | 20°57 | 6°51 | 22°26 | 14°21 | 14°56 | 2°18 | 26° 5 | S 13 |
| S 14 | 2 1 49 | 28°43'16 | 9♋18 | 14°15 | 25°30 | 0♒ 8 | 29° 2 | 28°19 | 21° 0 | 6°50 | 22°25 | 14°D20 | 14°53 | 2°25 | 26° 3 | S 14 |
| M15 | 2 5 46 | 29°43'20 | 21°34 | 15°44 | 26°44 | 0°47 | 29°11 | 28°21 | 21° 4 | 6°48 | 22°24 | 14°20 | 14°50 | 2°32 | 26° 1 | M15 |
| T 16 | 2 9 42 | 0♏43'26 | 3♌35 | 17°11 | 27°58 | 1°27 | 29°20 | 28°23 | 21° 8 | 6°46 | 22°23 | 14°R20 | 14°46 | 2°38 | 25°59 | T 16 |
| W17 | 2 13 39 | 1°43'34 | 15°27 | 18°39 | 29°12 | 2° 6 | 29°29 | 28°25 | 21°12 | 6°45 | 22°22 | 14°19 | 14°43 | 2°45 | 25°57 | W17 |
| T 18 | 2 17 35 | 2°43'45 | 27°16 | 20° 5 | 0♐26 | 2°46 | 29°38 | 28°27 | 21°15 | 6°43 | 22°21 | 14°17 | 14°40 | 2°52 | 25°55 | T 18 |
| F 19 | 2 21 32 | 3°43'57 | 9♍ 7 | 21°31 | 1°40 | 3°26 | 29°47 | 28°29 | 21°19 | 6°41 | 22°20 | 14°11 | 14°37 | 2°58 | 25°52 | F 19 |
| S 20 | 2 25 29 | 4°44'11 | 21° 3 | 22°56 | 2°54 | 4° 6 | 29°56 | 28°30 | 21°23 | 6°40 | 22°18 | 14° 3 | 14°34 | 3° 5 | 25°50 | S 20 |
| S 21 | 2 29 25 | 5°44'28 | 3♎ 8 | 24°21 | 4° 9 | 4°46 | 0♍ 4 | 28°31 | 21°26 | 6°38 | 22°17 | 13°53 | 14°31 | 3°12 | 25°48 | S 21 |
| M22 | 2 33 22 | 6°44'46 | 15°25 | 25°45 | 5°23 | 5°26 | 0°13 | 28°33 | 21°30 | 6°36 | 22°16 | 13°41 | 14°27 | 3°18 | 25°46 | M22 |
| T 23 | 2 37 18 | 7°45'06 | 27°55 | 27° 8 | 6°36 | 6° 6 | 0°21 | 28°34 | 21°34 | 6°35 | 22°15 | 13°28 | 14°24 | 3°25 | 25°45 | T 23 |
| W24 | 2 41 15 | 8°45'28 | 10♏37 | 28°30 | 7°50 | 6°46 | 0°29 | 28°35 | 21°37 | 6°33 | 22°14 | 13°16 | 14°21 | 3°32 | 25°43 | W24 |
| T 25 | 2 45 11 | 9°45'52 | 23°33 | 29°51 | 9° 4 | 7°27 | 0°37 | 28°36 | 21°41 | 6°31 | 22°13 | 13° 6 | 14°18 | 3°38 | 25°41 | T 25 |
| F 26 | 2 49 8 | 10°46'18 | 6♐40 | 1♐11 | 10°18 | 8° 7 | 0°45 | 28°37 | 21°45 | 6°29 | 22°12 | 12°58 | 14°15 | 3°45 | 25°39 | F 26 |
| S 27 | 2 53 4 | 11°46'45 | 19°58 | 2°30 | 11°32 | 8°48 | 0°53 | 28°37 | 21°48 | 6°28 | 22°11 | 12°53 | 14°12 | 3°52 | 25°37 | S 27 |
| S 28 | 2 57 1 | 12°47'13 | 3♑27 | 3°47 | 12°46 | 9°28 | 1° 1 | 28°38 | 21°52 | 6°26 | 22°10 | 12°50 | 14° 8 | 3°59 | 25°36 | S 28 |
| M29 | 3 0 58 | 13°47'43 | 17° 5 | 5° 3 | 14° 0 | 10° 9 | 1° 8 | 28°38 | 21°55 | 6°24 | 22° 9 | 12°D50 | 14° 5 | 4° 5 | 25°34 | M29 |
| T 30 | 3 4 54 | 14°48'14 | 0♒53 | 6°17 | 15°14 | 10°50 | 1°16 | 28°39 | 21°59 | 6°23 | 22° 7 | 12°51 | 14° 2 | 4°12 | 25°32 | T 30 |
| W31 | 3 8 51 | 15♏48'47 | 14♒51 | 7♐30 | 16♐28 | 11♒31 | 1♍23 | 28♋39 | 22♎ 3 | 6♉21 | 22♉ 6 | 12°R51 | 13♋59 | 4♍19 | 25♓31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s13 | 22s33 | 0n48 | 9s32 | 0s 5 | 14s44 | 0s 3 | 24s27 | 2s45 | 13n23 | 0n51 | 20n50 | 0n 9 | 7s24 | 0n34 | 12n10 | 1s53 | 5n21 | 13s34 | 22n36 | 22n36 | 14n36 | 1n42 | 3n20 |
| T 2 | 6 36 | 22 24 | 0s24 | 10 13 | 0 12 | 15 10 | 0 6 | 24 19 | 2 43 | 13 20 | 0 51 | 20 49 | 0 9 | 7 25 | 0 34 | 12 10 | 1 53 | 5 20 | 13 34 | 22 36 | 22 37 | 14 34 | 1 41 | 3 20 |
| W 3 | 6 59 | 20 50 | 1 36 | 10 54 | 0 19 | 15 36 | 0 8 | 24 11 | 2 41 | 13 16 | 0 51 | 20 48 | 0 9 | 7 26 | 0 34 | 12 9 | 1 53 | 5 20 | 13 34 | 22 36 | 22 37 | 14 32 | 1 40 | 3 20 |
| T 4 | 7 22 | 17 56 | 2 44 | 11 34 | 0 26 | 16 1 | 0 11 | 24 2 | 2 39 | 13 13 | 0 51 | 20 48 | 0 9 | 7 28 | 0 34 | 12 9 | 1 53 | 5 20 | 13 34 | 22 36 | 22 37 | 14 30 | 1 38 | 3 20 |
| F 5 | 7 45 | 13 52 | 3 43 | 12 14 | 0 32 | 16 26 | 0 14 | 23 54 | 2 37 | 13 10 | 0 51 | 20 47 | 0 9 | 7 29 | 0 34 | 12 8 | 1 53 | 5 19 | 13 35 | 22 37 | 22 38 | 14 28 | 1 37 | 3 20 |
| S 6 | 8 7 | 8 54 | 4 27 | 12 53 | 0 39 | 16 50 | 0 17 | 23 45 | 2 35 | 13 6 | 0 51 | 20 47 | 0 9 | 7 31 | 0 34 | 12 8 | 1 53 | 5 19 | 13 35 | 22 38 | 22 38 | 14 26 | 1 36 | 3 20 |
| S 7 | 8 30 | 3 24 | 4 53 | 13 31 | 0 46 | 17 14 | 0 19 | 23 36 | 2 33 | 13 3 | 0 52 | 20 46 | 0 9 | 7 32 | 0 34 | 12 7 | 1 53 | 5 19 | 13 35 | 22 39 | 22 39 | 14 24 | 1 35 | 3 19 |
| M 8 | 8 52 | 2n17 | 5 0 | 14 8 | 0 53 | 17 38 | 0 22 | 23 27 | 2 31 | 13 0 | 0 52 | 20 46 | 0 9 | 7 34 | 0 34 | 12 7 | 1 53 | 5 18 | 13 35 | 22 40 | 22 39 | 14 23 | 1 34 | 3 19 |
| T 9 | 9 14 | 7 46 | 4 47 | 14 45 | 0 59 | 18 1 | 0 25 | 23 17 | 2 29 | 12 56 | 0 52 | 20 46 | 0 10 | 7 35 | 0 34 | 12 6 | 1 53 | 5 18 | 13 35 | 22 41 | 22 39 | 14 21 | 1 33 | 3 19 |
| W10 | 9 36 | 12 43 | 4 16 | 15 21 | 1 6 | 18 24 | 0 28 | 23 8 | 2 27 | 12 53 | 0 52 | 20 45 | 0 10 | 7 36 | 0 34 | 12 6 | 1 53 | 5 18 | 13 35 | 22 43 | 22 40 | 14 19 | 1 32 | 3 19 |
| T 11 | 9 58 | 16 51 | 3 31 | 15 56 | 1 12 | 18 46 | 0 30 | 22 58 | 2 25 | 12 50 | 0 52 | 20 45 | 0 10 | 7 38 | 0 34 | 12 5 | 1 53 | 5 17 | 13 35 | 22 44 | 22 40 | 14 17 | 1 31 | 3 19 |
| F 12 | 10 20 | 19 58 | 2 34 | 16 30 | 1 18 | 19 7 | 0 33 | 22 48 | 2 24 | 12 47 | 0 53 | 20 44 | 0 10 | 7 39 | 0 34 | 12 4 | 1 53 | 5 17 | 13 35 | 22 44 | 22 40 | 14 15 | 1 30 | 3 19 |
| S 13 | 10 42 | 21 57 | 1 32 | 17 4 | 1 24 | 19 29 | 0 36 | 22 38 | 2 22 | 12 44 | 0 53 | 20 44 | 0 10 | 7 41 | 0 34 | 12 4 | 1 53 | 5 17 | 13 35 | 22 45 | 22 41 | 14 13 | 1 28 | 3 18 |
| S 14 | 11 3 | 22 45 | 0 27 | 17 37 | 1 30 | 19 49 | 0 38 | 22 28 | 2 20 | 12 41 | 0 53 | 20 44 | 0 10 | 7 42 | 0 34 | 12 3 | 1 53 | 5 16 | 13 36 | 22 45 | 22 41 | 14 11 | 1 27 | 3 18 |
| M15 | 11 25 | 22 25 | 0n38 | 18 8 | 1 36 | 20 10 | 0 41 | 22 17 | 2 18 | 12 38 | 0 53 | 20 44 | 0 10 | 7 44 | 0 34 | 12 3 | 1 53 | 5 16 | 13 36 | 22 45 | 22 41 | 14 10 | 1 26 | 3 18 |
| T 16 | 11 46 | 21 3 | 1 40 | 18 39 | 1 42 | 20 29 | 0 44 | 22 7 | 2 16 | 12 34 | 0 53 | 20 43 | 0 10 | 7 45 | 0 34 | 12 2 | 1 53 | 5 16 | 13 36 | 22 45 | 22 42 | 14 8 | 1 25 | 3 18 |
| W17 | 12 7 | 18 45 | 2 37 | 19 9 | 1 48 | 20 48 | 0 47 | 21 56 | 2 14 | 12 32 | 0 54 | 20 43 | 0 10 | 7 46 | 0 34 | 12 2 | 1 53 | 5 15 | 13 36 | 22 45 | 22 42 | 14 6 | 1 24 | 3 18 |
| T 18 | 12 28 | 15 42 | 3 27 | 19 38 | 1 53 | 21 7 | 0 49 | 21 45 | 2 12 | 12 29 | 0 54 | 20 43 | 0 11 | 7 48 | 0 34 | 12 1 | 1 53 | 5 15 | 13 36 | 22 45 | 22 42 | 14 4 | 1 23 | 3 18 |
| F 19 | 12 48 | 12 0 | 4 8 | 20 6 | 1 58 | 21 25 | 0 52 | 21 34 | 2 11 | 12 26 | 0 54 | 20 43 | 0 11 | 7 49 | 0 34 | 12 1 | 1 53 | 5 15 | 13 36 | 22 46 | 22 43 | 14 2 | 1 22 | 3 17 |
| S 20 | 13 9 | 7 49 | 4 39 | 20 33 | 2 3 | 21 42 | 0 54 | 21 23 | 2 9 | 12 23 | 0 54 | 20 42 | 0 11 | 7 51 | 0 34 | 12 0 | 1 53 | 5 14 | 13 36 | 22 46 | 22 43 | 14 0 | 1 21 | 3 17 |
| S 21 | 13 29 | 3 17 | 4 57 | 20 59 | 2 8 | 21 59 | 0 57 | 21 11 | 2 7 | 12 20 | 0 54 | 20 42 | 0 11 | 7 52 | 0 34 | 11 59 | 1 53 | 5 14 | 13 36 | 22 48 | 22 44 | 13 58 | 1 20 | 3 17 |
| M22 | 13 49 | 1s27 | 5 2 | 21 24 | 2 12 | 22 15 | 1 0 | 21 0 | 2 5 | 12 17 | 0 55 | 20 42 | 0 11 | 7 53 | 0 34 | 11 59 | 1 53 | 5 14 | 13 36 | 22 49 | 22 44 | 13 56 | 1 19 | 3 17 |
| T 23 | 14 8 | 6 12 | 4 53 | 21 48 | 2 16 | 22 30 | 1 2 | 20 48 | 2 3 | 12 14 | 0 55 | 20 42 | 0 11 | 7 55 | 0 34 | 11 58 | 1 53 | 5 13 | 13 36 | 22 50 | 22 44 | 13 54 | 1 18 | 3 17 |
| W24 | 14 28 | 10 48 | 4 29 | 22 10 | 2 20 | 22 45 | 1 5 | 20 36 | 2 2 | 12 12 | 0 55 | 20 42 | 0 11 | 7 56 | 0 34 | 11 58 | 1 53 | 5 13 | 13 36 | 22 51 | 22 45 | 13 52 | 1 18 | 3 16 |
| T 25 | 14 47 | 14 59 | 3 51 | 22 31 | 2 24 | 22 59 | 1 7 | 20 24 | 2 0 | 12 9 | 0 55 | 20 42 | 0 11 | 7 57 | 0 34 | 11 57 | 1 53 | 5 13 | 13 36 | 22 52 | 22 45 | 13 51 | 1 17 | 3 16 |
| F 26 | 15 6 | 18 32 | 3 0 | 22 51 | 2 27 | 23 13 | 1 10 | 20 12 | 1 58 | 12 6 | 0 56 | 20 42 | 0 12 | 7 59 | 0 34 | 11 57 | 1 53 | 5 13 | 13 36 | 22 53 | 22 45 | 13 49 | 1 16 | 3 16 |
| S 27 | 15 25 | 21 10 | 1 59 | 23 10 | 2 30 | 23 26 | 1 12 | 19 59 | 1 56 | 12 4 | 0 56 | 20 42 | 0 12 | 8 0 | 0 34 | 11 56 | 1 53 | 5 12 | 13 36 | 22 54 | 22 46 | 13 47 | 1 15 | 3 16 |
| S 28 | 15 44 | 22 38 | 0 50 | 23 28 | 2 32 | 23 38 | 1 14 | 19 47 | 1 54 | 12 1 | 0 56 | 20 42 | 0 12 | 8 1 | 0 34 | 11 56 | 1 53 | 5 12 | 13 36 | 22 54 | 22 46 | 13 45 | 1 14 | 3 16 |
| M29 | 16 2 | 22 48 | 0s23 | 23 44 | 2 34 | 23 50 | 1 17 | 19 34 | 1 53 | 11 59 | 0 56 | 20 42 | 0 12 | 8 3 | 0 34 | 11 55 | 1 53 | 5 12 | 13 36 | 22 54 | 22 46 | 13 43 | 1 13 | 3 15 |
| T 30 | 16 20 | 21 34 | 1 35 | 23 59 | 2 35 | 24 1 | 1 19 | 19 21 | 1 51 | 11 56 | 0 56 | 20 42 | 0 12 | 8 4 | 0 34 | 11 55 | 1 53 | 5 11 | 13 36 | 22 54 | 22 47 | 13 41 | 1 12 | 3 15 |
| W31 | 16s38 | 19s 1 | 2s43 | 24s12 | 2s36 | 24s11 | 1s21 | 19s 8 | 1s49 | 11n54 | 0n57 | 20n42 | 0n12 | 8s 5 | 0n34 | 11n54 | 1s53 | 5n11 | 13s36 | 22n54 | 22n47 | 13n39 | 1n12 | 3n15 |

Julian Day Number = 2227567.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'09, Lahiri = 15°18'10 Julian Calendar 1 Oct. 1386 == Greg. Calendar 9 Oct. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## NOVEMBER 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 12 47 | 16♏49'21 | 28♒59 | 8♐40 | 17♐42 | 12♒12 | 1♍30 | 28♋39 | 22♎ 6 | 6°R19 | 22°R 5 | 12°R51 | 13♋56 | 4♍25 | 25°R29 | T 1 |
| F 2 | 3 16 44 | 17°49'56 | 13♓15 | 9°47 | 18°56 | 12°53 | 1°37 | 28°R39 | 22°10 | 6♉18 | 22♉ 4 | 12♋48 | 13°52 | 4°32 | 25♓28 | F 2 |
| S 3 | 3 20 40 | 18°50'32 | 27°38 | 10°52 | 20° 9 | 13°34 | 1°44 | 28°39 | 22°13 | 6°16 | 22° 3 | 12°43 | 13°49 | 4°39 | 25°27 | S 3 |
| S 4 | 3 24 37 | 19°51'09 | 12♈ 2 | 11°54 | 21°23 | 14°16 | 1°50 | 28°39 | 22°17 | 6°15 | 22° 2 | 12°36 | 13°46 | 4°45 | 25°25 | S 4 |
| M 5 | 3 28 33 | 20°51'47 | 26°24 | 12°52 | 22°37 | 14°57 | 1°57 | 28°38 | 22°20 | 6°13 | 22° 1 | 12°27 | 13°43 | 4°52 | 25°24 | M 5 |
| T 6 | 3 32 30 | 21°52'27 | 10♉37 | 13°46 | 23°51 | 15°38 | 2° 3 | 28°38 | 22°23 | 6°11 | 22° 0 | 12°19 | 13°40 | 4°59 | 25°23 | T 6 |
| W 7 | 3 36 27 | 22°53'09 | 24°35 | 14°35 | 25° 4 | 16°20 | 2°10 | 28°37 | 22°27 | 6°10 | 21°58 | 12°11 | 13°37 | 5° 5 | 25°21 | W 7 |
| T 8 | 3 40 23 | 23°53'51 | 8♊14 | 15°19 | 26°18 | 17° 1 | 2°16 | 28°37 | 22°30 | 6° 8 | 21°57 | 12° 4 | 13°33 | 5°12 | 25°20 | T 8 |
| F 9 | 3 44 20 | 24°54'35 | 21°32 | 15°57 | 27°32 | 17°43 | 2°22 | 28°36 | 22°34 | 6° 6 | 21°56 | 12° 0 | 13°30 | 5°19 | 25°19 | F 9 |
| S 10 | 3 48 16 | 25°55'21 | 4♋28 | 16°28 | 28°46 | 18°24 | 2°27 | 28°35 | 22°37 | 6° 5 | 21°55 | 11°58 | 13°27 | 5°26 | 25°18 | S 10 |
| S 11 | 3 52 13 | 26°56'08 | 17° 4 | 16°52 | 29°59 | 19° 6 | 2°33 | 28°34 | 22°40 | 6° 3 | 21°54 | 11°D58 | 13°24 | 5°32 | 25°17 | S 11 |
| M12 | 3 56 9 | 27°56'57 | 29°21 | 17° 8 | 1♌13 | 19°48 | 2°38 | 28°33 | 22°43 | 6° 2 | 21°53 | 11°59 | 13°21 | 5°39 | 25°16 | M12 |
| T 13 | 4 0 6 | 28°57'47 | 11♌24 | 17°R14 | 2°26 | 20°30 | 2°44 | 28°32 | 22°47 | 6° 0 | 21°52 | 12° 0 | 13°18 | 5°46 | 25°15 | T 13 |
| W14 | 4 4 2 | 29°58'38 | 23°19 | 17°11 | 3°40 | 21°11 | 2°49 | 28°31 | 22°50 | 5°59 | 21°51 | 12° 2 | 13°14 | 5°52 | 25°15 | W14 |
| T 15 | 4 7 59 | 0♐59'31 | 5♍ 9 | 16°57 | 4°53 | 21°53 | 2°54 | 28°29 | 22°53 | 5°57 | 21°49 | 12°R 2 | 13°11 | 5°59 | 25°14 | T 15 |
| F 16 | 4 11 56 | 2° 0'25 | 17° 1 | 16°33 | 6° 7 | 22°35 | 2°59 | 28°28 | 22°56 | 5°56 | 21°48 | 12° 0 | 13° 8 | 6° 6 | 25°13 | F 16 |
| S 17 | 4 15 52 | 3° 1'20 | 28°59 | 15°57 | 7°20 | 23°17 | 3° 3 | 28°26 | 22°59 | 5°54 | 21°47 | 11°57 | 13° 5 | 6°12 | 25°12 | S 17 |
| S 18 | 4 19 49 | 4° 2'17 | 11♎ 7 | 15°10 | 8°34 | 23°59 | 3° 8 | 28°24 | 23° 2 | 5°53 | 21°46 | 11°52 | 13° 2 | 6°19 | 25°12 | S 18 |
| M19 | 4 23 45 | 5° 3'15 | 23°30 | 14°12 | 9°47 | 24°41 | 3°12 | 28°22 | 23° 5 | 5°51 | 21°45 | 11°46 | 12°58 | 6°26 | 25°11 | M19 |
| T 20 | 4 27 42 | 6° 4'14 | 6♏ 9 | 13° 6 | 11° 1 | 25°23 | 3°16 | 28°20 | 23° 8 | 5°50 | 21°44 | 11°40 | 12°55 | 6°33 | 25°11 | T 20 |
| W21 | 4 31 38 | 7° 5'15 | 19° 5 | 11°51 | 12°14 | 26° 5 | 3°20 | 28°18 | 23°11 | 5°49 | 21°43 | 11°33 | 12°52 | 6°39 | 25°10 | W21 |
| T 22 | 4 35 35 | 8° 6'16 | 2♐19 | 10°31 | 13°27 | 26°47 | 3°24 | 28°16 | 23°14 | 5°47 | 21°42 | 11°28 | 12°49 | 6°46 | 25°10 | T 22 |
| F 23 | 4 39 31 | 9° 7'18 | 15°50 | 9° 9 | 14°41 | 27°30 | 3°27 | 28°14 | 23°17 | 5°46 | 21°41 | 11°24 | 12°46 | 6°53 | 25°10 | F 23 |
| S 24 | 4 43 28 | 10° 8'22 | 29°34 | 7°46 | 15°54 | 28°12 | 3°31 | 28°11 | 23°20 | 5°44 | 21°40 | 11°22 | 12°43 | 6°59 | 25° 9 | S 24 |
| S 25 | 4 47 25 | 11° 9'26 | 13♑29 | 6°26 | 17° 7 | 28°54 | 3°34 | 28° 9 | 23°23 | 5°43 | 21°39 | 11°D21 | 12°39 | 7° 6 | 25° 9 | S 25 |
| M26 | 4 51 21 | 12°10'30 | 27°31 | 5°12 | 18°20 | 29°36 | 3°37 | 28° 6 | 23°26 | 5°42 | 21°37 | 11°22 | 12°36 | 7°13 | 25° 9 | M26 |
| T 27 | 4 55 18 | 13°11'36 | 11♒39 | 4° 5 | 19°33 | 0♓19 | 3°40 | 28° 4 | 23°29 | 5°41 | 21°36 | 11°24 | 12°33 | 7°19 | 25° 9 | T 27 |
| W28 | 4 59 14 | 14°12'41 | 25°49 | 3° 7 | 20°47 | 1° 1 | 3°43 | 28° 1 | 23°31 | 5°39 | 21°35 | 11°25 | 12°30 | 7°26 | 25°D 9 | W28 |
| T 29 | 5 3 11 | 15°13'47 | 10♓ 0 | 2°19 | 22° 0 | 1°43 | 3°45 | 27°58 | 23°34 | 5°38 | 21°34 | 11°R26 | 12°27 | 7°33 | 25° 9 | T 29 |
| F 30 | 5 7 7 | 16♐14'53 | 24♓ 9 | 1♐42 | 23♑13 | 2♓26 | 3♍48 | 27♋55 | 23♎37 | 5♉37 | 21♉33 | 11♋26 | 12♋24 | 7♍39 | 25♓ 9 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s55 | 15s19 | 3s41 | 24s23 | 2s36 | 24s20 | 1s24 | 18s55 | 1s48 | 11n52 | 0n57 | 20n42 | 0n12 | 8s 7 | 0n34 | 11n53 | 1s53 | 5n11 | 13s36 | 22n54 | 22n47 | 13n37 | 1n11 | 3n15 |
| F 2 | 17 12 | 10 42 | 4 27 | 24 34 | 2 36 | 24 29 | 1 26 | 18 41 | 1 46 | 11 49 | 0 57 | 20 42 | 0 12 | 8 8 | 0 34 | 11 53 | 1 53 | 5 11 | 13 36 | 22 54 | 22 48 | 13 35 | 1 10 | 3 14 |
| S 3 | 17 29 | 5 28 | 4 56 | 24 42 | 2 35 | 24 37 | 1 28 | 18 28 | 1 44 | 11 47 | 0 57 | 20 42 | 0 13 | 8 9 | 0 34 | 11 52 | 1 53 | 5 10 | 13 36 | 22 54 | 22 48 | 13 33 | 1 9 | 3 14 |
| S 4 | 17 46 | 0n 5 | 5 6 | 24 49 | 2 33 | 24 44 | 1 30 | 18 14 | 1 42 | 11 45 | 0 58 | 20 42 | 0 13 | 8 11 | 0 34 | 11 52 | 1 53 | 5 10 | 13 36 | 22 55 | 22 48 | 13 31 | 1 8 | 3 14 |
| M 5 | 18 2 | 5 36 | 4 57 | 24 54 | 2 30 | 24 51 | 1 32 | 18 1 | 1 41 | 11 43 | 0 58 | 20 43 | 0 13 | 8 12 | 0 34 | 11 51 | 1 53 | 5 10 | 13 36 | 22 56 | 22 49 | 13 29 | 1 8 | 3 14 |
| T 6 | 18 18 | 10 47 | 4 30 | 24 58 | 2 27 | 24 56 | 1 34 | 17 47 | 1 39 | 11 41 | 0 58 | 20 43 | 0 13 | 8 13 | 0 34 | 11 51 | 1 53 | 5 10 | 13 36 | 22 57 | 22 49 | 13 27 | 1 7 | 3 14 |
| W 7 | 18 33 | 15 19 | 3 47 | 24 59 | 2 23 | 25 2 | 1 36 | 17 33 | 1 37 | 11 39 | 0 58 | 20 43 | 0 13 | 8 14 | 0 34 | 11 50 | 1 53 | 5 9 | 13 36 | 22 58 | 22 49 | 13 25 | 1 6 | 3 13 |
| T 8 | 18 49 | 18 56 | 2 52 | 24 59 | 2 17 | 25 6 | 1 38 | 17 18 | 1 36 | 11 37 | 0 59 | 20 43 | 0 13 | 8 16 | 0 34 | 11 50 | 1 53 | 5 9 | 13 36 | 22 58 | 22 50 | 13 23 | 1 6 | 3 13 |
| F 9 | 19 3 | 21 27 | 1 48 | 24 56 | 2 10 | 25 9 | 1 40 | 17 4 | 1 34 | 11 35 | 0 59 | 20 44 | 0 13 | 8 17 | 0 34 | 11 49 | 1 53 | 5 9 | 13 36 | 22 58 | 22 50 | 13 21 | 1 5 | 3 13 |
| S 10 | 19 18 | 22 46 | 0 40 | 24 52 | 2 3 | 25 12 | 1 41 | 16 50 | 1 32 | 11 33 | 0 59 | 20 44 | 0 13 | 8 18 | 0 34 | 11 49 | 1 53 | 5 9 | 13 36 | 22 59 | 22 50 | 13 19 | 1 4 | 3 13 |
| S 11 | 19 32 | 22 53 | 0n28 | 24 45 | 1 53 | 25 14 | 1 43 | 16 35 | 1 31 | 11 31 | 0 59 | 20 44 | 0 14 | 8 19 | 0 34 | 11 48 | 1 53 | 5 8 | 13 36 | 22 59 | 22 50 | 13 17 | 1 4 | 3 12 |
| M12 | 19 46 | 21 52 | 1 33 | 24 36 | 1 43 | 25 16 | 1 45 | 16 20 | 1 29 | 11 30 | 1 0 | 20 45 | 0 14 | 8 21 | 0 34 | 11 48 | 1 53 | 5 8 | 13 36 | 22 59 | 22 51 | 13 15 | 1 3 | 3 12 |
| T 13 | 20 0 | 19 52 | 2 33 | 24 25 | 1 31 | 25 16 | 1 46 | 16 5 | 1 28 | 11 28 | 1 0 | 20 45 | 0 14 | 8 22 | 0 34 | 11 47 | 1 53 | 5 8 | 13 36 | 22 58 | 22 51 | 13 13 | 1 3 | 3 12 |
| W14 | 20 13 | 17 1 | 3 25 | 24 11 | 1 18 | 25 16 | 1 48 | 15 50 | 1 26 | 11 26 | 1 0 | 20 45 | 0 14 | 8 23 | 0 34 | 11 47 | 1 53 | 5 8 | 13 36 | 22 58 | 22 51 | 13 11 | 1 2 | 3 12 |
| T 15 | 20 25 | 13 30 | 4 9 | 23 55 | 1 3 | 25 15 | 1 49 | 15 35 | 1 24 | 11 25 | 1 0 | 20 46 | 0 14 | 8 24 | 0 34 | 11 46 | 1 53 | 5 8 | 13 36 | 22 58 | 22 52 | 13 9 | 1 2 | 3 12 |
| F 16 | 20 38 | 9 28 | 4 42 | 23 36 | 0 46 | 25 13 | 1 51 | 15 20 | 1 23 | 11 23 | 1 1 | 20 46 | 0 14 | 8 25 | 0 34 | 11 46 | 1 53 | 5 7 | 13 36 | 22 58 | 22 52 | 13 7 | 1 1 | 3 11 |
| S 17 | 20 50 | 5 2 | 5 3 | 23 15 | 0 29 | 25 11 | 1 52 | 15 5 | 1 21 | 11 22 | 1 1 | 20 47 | 0 14 | 8 26 | 0 34 | 11 46 | 1 53 | 5 7 | 13 36 | 22 59 | 22 52 | 13 5 | 1 1 | 3 11 |
| S 18 | 21 1 | 0 21 | 5 10 | 22 51 | 0 10 | 25 7 | 1 53 | 14 49 | 1 20 | 11 20 | 1 1 | 20 47 | 0 14 | 8 28 | 0 34 | 11 45 | 1 53 | 5 7 | 13 35 | 22 59 | 22 53 | 13 3 | 1 0 | 3 11 |
| M19 | 21 13 | 4s27 | 5 4 | 22 25 | 0n10 | 25 3 | 1 54 | 14 34 | 1 18 | 11 19 | 1 1 | 20 48 | 0 15 | 8 29 | 0 34 | 11 45 | 1 53 | 5 7 | 13 35 | 23 0 | 22 53 | 13 1 | 1 0 | 3 11 |
| T 20 | 21 23 | 9 10 | 4 43 | 21 57 | 0 30 | 24 59 | 1 55 | 14 18 | 1 17 | 11 18 | 1 2 | 20 48 | 0 15 | 8 30 | 0 34 | 11 44 | 1 53 | 5 7 | 13 35 | 23 0 | 22 53 | 12 59 | 0 59 | 3 10 |
| W21 | 21 34 | 13 35 | 4 7 | 21 27 | 0 51 | 24 53 | 1 56 | 14 2 | 1 15 | 11 17 | 1 2 | 20 49 | 0 15 | 8 31 | 0 34 | 11 44 | 1 53 | 5 7 | 13 35 | 23 1 | 22 54 | 12 57 | 0 59 | 3 10 |
| T 22 | 21 44 | 17 28 | 3 17 | 20 56 | 1 11 | 24 47 | 1 57 | 13 47 | 1 14 | 11 15 | 1 2 | 20 49 | 0 15 | 8 32 | 0 34 | 11 43 | 1 53 | 5 6 | 13 35 | 23 1 | 22 54 | 12 55 | 0 59 | 3 10 |
| F 23 | 21 53 | 20 31 | 2 15 | 20 25 | 1 30 | 24 40 | 1 58 | 13 31 | 1 12 | 11 14 | 1 2 | 20 50 | 0 15 | 8 33 | 0 34 | 11 43 | 1 53 | 5 6 | 13 35 | 23 2 | 22 54 | 12 53 | 0 58 | 3 10 |
| S 24 | 22 3 | 22 27 | 1 4 | 19 54 | 1 48 | 24 32 | 1 59 | 13 15 | 1 11 | 11 13 | 1 3 | 20 50 | 0 15 | 8 34 | 0 34 | 11 43 | 1 53 | 5 6 | 13 35 | 23 2 | 22 55 | 12 51 | 0 58 | 3 9 |
| S 25 | 22 11 | 23 2 | 0s12 | 19 25 | 2 4 | 24 24 | 1 59 | 12 58 | 1 9 | 11 13 | 1 3 | 20 51 | 0 15 | 8 35 | 0 34 | 11 42 | 1 53 | 5 6 | 13 35 | 23 2 | 22 55 | 12 49 | 0 58 | 3 9 |
| M26 | 22 20 | 22 9 | 1 28 | 18 59 | 2 18 | 24 14 | 2 0 | 12 42 | 1 8 | 11 12 | 1 3 | 20 52 | 0 15 | 8 36 | 0 34 | 11 42 | 1 53 | 5 6 | 13 35 | 23 2 | 22 55 | 12 47 | 0 57 | 3 9 |
| T 27 | 22 27 | 19 53 | 2 39 | 18 35 | 2 30 | 24 5 | 2 1 | 12 26 | 1 6 | 11 11 | 1 3 | 20 52 | 0 16 | 8 37 | 0 34 | 11 41 | 1 52 | 5 6 | 13 34 | 23 2 | 22 55 | 12 45 | 0 57 | 3 9 |
| W28 | 22 35 | 16 24 | 3 40 | 18 15 | 2 39 | 23 54 | 2 1 | 12 9 | 1 5 | 11 10 | 1 4 | 20 53 | 0 16 | 8 38 | 0 34 | 11 41 | 1 52 | 5 6 | 13 34 | 23 2 | 22 56 | 12 43 | 0 57 | 3 8 |
| T 29 | 22 42 | 11 59 | 4 28 | 17 59 | 2 46 | 23 43 | 2 1 | 11 53 | 1 3 | 11 9 | 1 4 | 20 54 | 0 16 | 8 39 | 0 34 | 11 41 | 1 52 | 5 6 | 13 34 | 23 1 | 22 56 | 12 41 | 0 57 | 3 8 |
| F 30 | 22s48 | 6s55 | 5s 0 | 17s47 | 2n51 | 23s31 | 2s 2 | 11s36 | 1s 2 | 11n 9 | 1n 4 | 20n54 | 0n16 | 8s40 | 0n34 | 11n40 | 1s52 | 5n 5 | 13s34 | 23n 1 | 22n56 | 12n39 | 0n56 | 3n 8 |

Julian Day Number = 2227598.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'06, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'13, Lahiri = 15°18'14 Julian Calendar 1 Nov. 1386 == Greg. Calendar 9 Nov. 1386


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# ASTRODIENST EPHEMERIS for the year 1386
# geocentric

## DECEMBER 1386 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 11 4 | 17♐15'59 | 8♈15 | 1°R17 | 24♑26 | 3♓ 8 | 3♍50 | 27°R52 | 23♎39 | 5°R36 | 21°R32 | 11°R25 | 12♋20 | 7♍46 | 25♓ 9 | S 1 |
| S 2 | 5 15 0 | 18°17'06 | 22°16 | 1♐ 2 | 25°38 | 3°51 | 3°52 | 27♋49 | 23°42 | 5♉35 | 21♉31 | 11♋22 | 12°17 | 7°53 | 25° 9 | S 2 |
| M 3 | 5 18 57 | 19°18'13 | 6♉ 9 | 0°D58 | 26°51 | 4°33 | 3°53 | 27°46 | 23°45 | 5°33 | 21°30 | 11°19 | 12°14 | 8° 0 | 25° 9 | M 3 |
| T 4 | 5 22 54 | 20°19'20 | 19°52 | 1° 3 | 28° 4 | 5°16 | 3°55 | 27°42 | 23°47 | 5°32 | 21°29 | 11°16 | 12°11 | 8° 6 | 25°10 | T 4 |
| W 5 | 5 26 50 | 21°20'28 | 3♊22 | 1°18 | 29°17 | 5°58 | 3°56 | 27°39 | 23°49 | 5°31 | 21°28 | 11°13 | 12° 8 | 8°13 | 25°10 | W 5 |
| T 6 | 5 30 47 | 22°21'36 | 16°39 | 1°40 | 0♒29 | 6°40 | 3°57 | 27°35 | 23°52 | 5°30 | 21°27 | 11°10 | 12° 4 | 8°20 | 25°11 | T 6 |
| F 7 | 5 34 43 | 23°22'44 | 29°39 | 2°10 | 1°42 | 7°23 | 3°58 | 27°32 | 23°54 | 5°29 | 21°26 | 11° 9 | 12° 1 | 8°26 | 25°11 | F 7 |
| S 8 | 5 38 40 | 24°23'53 | 12♋24 | 2°47 | 2°55 | 8° 5 | 3°59 | 27°28 | 23°57 | 5°28 | 21°26 | 11°D 9 | 11°58 | 8°33 | 25°12 | S 8 |
| S 9 | 5 42 36 | 25°25'02 | 24°52 | 3°30 | 4° 7 | 8°48 | 4° 0 | 27°25 | 23°59 | 5°27 | 21°25 | 11° 9 | 11°55 | 8°40 | 25°12 | S 9 |
| M10 | 5 46 33 | 26°26'12 | 7♌ 7 | 4°17 | 5°20 | 9°31 | 4° 0 | 27°21 | 24° 1 | 5°26 | 21°24 | 11°10 | 11°52 | 8°46 | 25°13 | M10 |
| T 11 | 5 50 30 | 27°27'22 | 19°10 | 5°10 | 6°32 | 10°13 | 4° 0 | 27°17 | 24° 3 | 5°25 | 21°23 | 11°12 | 11°49 | 8°53 | 25°13 | T 11 |
| W12 | 5 54 26 | 28°28'32 | 1♍ 5 | 6° 7 | 7°44 | 10°56 | 4°R 0 | 27°13 | 24° 5 | 5°25 | 21°22 | 11°13 | 11°45 | 9° 0 | 25°14 | W12 |
| T 13 | 5 58 23 | 29°29'43 | 12°57 | 7° 7 | 8°56 | 11°38 | 4° 0 | 27° 9 | 24° 8 | 5°24 | 21°21 | 11°14 | 11°42 | 9° 7 | 25°15 | T 13 |
| F 14 | 6 2 19 | 0♑30'54 | 24°48 | 8°11 | 10° 9 | 12°21 | 4° 0 | 27° 5 | 24°10 | 5°23 | 21°20 | 11°15 | 11°39 | 9°13 | 25°16 | F 14 |
| S 15 | 6 6 16 | 1°32'05 | 6♎46 | 9°17 | 11°21 | 13° 3 | 3°59 | 27° 1 | 24°12 | 5°22 | 21°19 | 11°R15 | 11°36 | 9°20 | 25°17 | S 15 |
| S 16 | 6 10 12 | 2°33'17 | 18°53 | 10°27 | 12°33 | 13°46 | 3°59 | 26°56 | 24°14 | 5°21 | 21°19 | 11°14 | 11°33 | 9°27 | 25°18 | S 16 |
| M17 | 6 14 9 | 3°34'28 | 1♏15 | 11°38 | 13°45 | 14°28 | 3°58 | 26°52 | 24°15 | 5°21 | 21°18 | 11°13 | 11°30 | 9°33 | 25°19 | M17 |
| T 18 | 6 18 5 | 4°35'41 | 13°55 | 12°51 | 14°56 | 15°11 | 3°56 | 26°48 | 24°17 | 5°20 | 21°17 | 11°12 | 11°26 | 9°40 | 25°20 | T 18 |
| W19 | 6 22 2 | 5°36'53 | 26°56 | 14° 7 | 16° 8 | 15°53 | 3°55 | 26°43 | 24°19 | 5°19 | 21°16 | 11°12 | 11°23 | 9°47 | 25°21 | W19 |
| T 20 | 6 25 59 | 6°38'05 | 10♐20 | 15°23 | 17°20 | 16°36 | 3°54 | 26°39 | 24°21 | 5°19 | 21°15 | 11°11 | 11°20 | 9°54 | 25°22 | T 20 |
| F 21 | 6 29 55 | 7°39'18 | 24° 7 | 16°42 | 18°31 | 17°19 | 3°52 | 26°35 | 24°23 | 5°18 | 21°15 | 11°11 | 11°17 | 10° 0 | 25°24 | F 21 |
| S 22 | 6 33 52 | 8°40'30 | 8♑13 | 18° 1 | 19°43 | 18° 1 | 3°50 | 26°30 | 24°24 | 5°17 | 21°14 | 11°D11 | 11°14 | 10° 7 | 25°25 | S 22 |
| S 23 | 6 37 48 | 9°41'42 | 22°35 | 19°22 | 20°54 | 18°44 | 3°48 | 26°25 | 24°26 | 5°17 | 21°13 | 11°11 | 11°10 | 10°14 | 25°26 | S 23 |
| M24 | 6 41 45 | 10°42'54 | 7♒ 8 | 20°44 | 22° 6 | 19°26 | 3°46 | 26°21 | 24°27 | 5°16 | 21°13 | 11°R11 | 11° 7 | 10°20 | 25°28 | M24 |
| T 25 | 6 45 41 | 11°44'05 | 21°45 | 22° 7 | 23°17 | 20° 9 | 3°43 | 26°16 | 24°29 | 5°16 | 21°12 | 11°11 | 11° 4 | 10°27 | 25°29 | T 25 |
| W26 | 6 49 38 | 12°45'16 | 6♓20 | 23°31 | 24°28 | 20°51 | 3°40 | 26°11 | 24°30 | 5°15 | 21°11 | 11°11 | 11° 1 | 10°34 | 25°31 | W26 |
| T 27 | 6 53 34 | 13°46'26 | 20°48 | 24°56 | 25°39 | 21°34 | 3°37 | 26° 7 | 24°32 | 5°15 | 21°11 | 11°10 | 10°58 | 10°40 | 25°32 | T 27 |
| F 28 | 6 57 31 | 14°47'35 | 5♈ 5 | 26°21 | 26°50 | 22°16 | 3°34 | 26° 2 | 24°33 | 5°15 | 21°10 | 11°10 | 10°55 | 10°47 | 25°34 | F 28 |
| S 29 | 7 1 28 | 15°48'43 | 19° 8 | 27°47 | 28° 1 | 22°59 | 3°31 | 25°57 | 24°34 | 5°14 | 21° 9 | 11°D10 | 10°51 | 10°54 | 25°35 | S 29 |
| S 30 | 7 5 24 | 16°49'51 | 2♉56 | 29°14 | 29°11 | 23°41 | 3°28 | 25°52 | 24°36 | 5°14 | 21° 9 | 11°10 | 10°48 | 11° 1 | 25°37 | S 30 |
| M31 | 7 9 21 | 17♑50'58 | 16♉30 | 0♑42 | 0♓22 | 24♓24 | 3♍24 | 25♋47 | 24♎37 | 5♉14 | 21♉ 8 | 11♋11 | 10♋45 | 11♍ 7 | 25♓39 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s54 | 1s31 | 5s14 | 17s39 | 2n54 | 23s18 | 2s 2 | 11s20 | 1s 0 | 11n 8 | 1n 5 | 20n55 | 0n16 | 8s41 | 0n34 | 11n40 | 1s52 | 5n 5 | 13s34 | 23n 2 | 22n57 | 12n37 | 0n56 | 3n 8 |
| S 2 | 23 0 | 3n55 | 5 9 | 17 35 | 2 55 | 23 5 | 2 2 | 11 3 | 0 59 | 11 8 | 1 5 | 20 56 | 0 16 | 8 42 | 0 34 | 11 40 | 1 52 | 5 5 | 13 34 | 23 2 | 22 57 | 12 35 | 0 56 | 3 7 |
| M 3 | 23 5 | 9 7 | 4 45 | 17 34 | 2 55 | 22 51 | 2 2 | 10 46 | 0 58 | 11 8 | 1 5 | 20 57 | 0 16 | 8 43 | 0 34 | 11 39 | 1 52 | 5 5 | 13 34 | 23 2 | 22 57 | 12 33 | 0 56 | 3 7 |
| T 4 | 23 10 | 13 49 | 4 6 | 17 37 | 2 53 | 22 36 | 2 2 | 10 29 | 0 56 | 11 7 | 1 5 | 20 57 | 0 16 | 8 44 | 0 34 | 11 39 | 1 52 | 5 5 | 13 33 | 23 2 | 22 57 | 12 31 | 0 56 | 3 7 |
| W 5 | 23 14 | 17 44 | 3 13 | 17 43 | 2 49 | 22 21 | 2 1 | 10 12 | 0 55 | 11 7 | 1 6 | 20 58 | 0 17 | 8 45 | 0 34 | 11 39 | 1 52 | 5 5 | 13 33 | 23 3 | 22 58 | 12 28 | 0 56 | 3 7 |
| T 6 | 23 18 | 20 40 | 2 11 | 17 52 | 2 45 | 22 5 | 2 1 | 9 55 | 0 53 | 11 7 | 1 6 | 20 59 | 0 17 | 8 46 | 0 34 | 11 38 | 1 52 | 5 5 | 13 33 | 23 3 | 22 58 | 12 26 | 0 56 | 3 6 |
| F 7 | 23 21 | 22 28 | 1 3 | 18 3 | 2 40 | 21 48 | 2 1 | 9 38 | 0 52 | 11 7 | 1 6 | 21 0 | 0 17 | 8 46 | 0 34 | 11 38 | 1 52 | 5 5 | 13 33 | 23 3 | 22 58 | 12 24 | 0 56 | 3 6 |
| S 8 | 23 24 | 23 3 | 0n 7 | 18 16 | 2 34 | 21 31 | 2 0 | 9 21 | 0 51 | 11 7 | 1 7 | 21 1 | 0 17 | 8 47 | 0 34 | 11 38 | 1 52 | 5 5 | 13 33 | 23 3 | 22 59 | 12 22 | 0 56 | 3 6 |
| S 9 | 23 26 | 22 27 | 1 15 | 18 30 | 2 27 | 21 14 | 2 0 | 9 4 | 0 49 | 11 7 | 1 7 | 21 2 | 0 17 | 8 48 | 0 34 | 11 37 | 1 52 | 5 5 | 13 32 | 23 3 | 22 59 | 12 20 | 0 56 | 3 6 |
| M10 | 23 28 | 20 47 | 2 19 | 18 46 | 2 20 | 20 55 | 1 59 | 8 46 | 0 48 | 11 7 | 1 7 | 21 2 | 0 17 | 8 49 | 0 34 | 11 37 | 1 52 | 5 5 | 13 32 | 23 3 | 22 59 | 12 18 | 0 56 | 3 5 |
| T 11 | 23 30 | 18 13 | 3 15 | 19 3 | 2 13 | 20 36 | 1 58 | 8 29 | 0 47 | 11 7 | 1 7 | 21 3 | 0 17 | 8 50 | 0 34 | 11 37 | 1 52 | 5 5 | 13 32 | 23 3 | 22 59 | 12 16 | 0 56 | 3 5 |
| W12 | 23 31 | 14 54 | 4 3 | 19 20 | 2 5 | 20 17 | 1 57 | 8 12 | 0 45 | 11 7 | 1 8 | 21 4 | 0 17 | 8 50 | 0 34 | 11 37 | 1 52 | 5 5 | 13 32 | 23 3 | 23 0 | 12 14 | 0 56 | 3 5 |
| T 13 | 23 31 | 11 1 | 4 39 | 19 38 | 1 57 | 19 57 | 1 56 | 7 54 | 0 44 | 11 8 | 1 8 | 21 5 | 0 18 | 8 51 | 0 34 | 11 36 | 1 52 | 5 5 | 13 32 | 23 2 | 23 0 | 12 12 | 0 56 | 3 5 |
| F 14 | 23 31 | 6 43 | 5 4 | 19 57 | 1 49 | 19 37 | 1 55 | 7 37 | 0 43 | 11 8 | 1 8 | 21 6 | 0 18 | 8 52 | 0 34 | 11 36 | 1 52 | 5 5 | 13 31 | 23 2 | 23 0 | 12 10 | 0 56 | 3 5 |
| S 15 | 23 31 | 2 9 | 5 16 | 20 15 | 1 41 | 19 15 | 1 54 | 7 19 | 0 42 | 11 8 | 1 8 | 21 7 | 0 18 | 8 53 | 0 35 | 11 36 | 1 52 | 5 5 | 13 31 | 23 2 | 23 1 | 12 7 | 0 56 | 3 4 |
| S 16 | 23 30 | 2s34 | 5 14 | 20 34 | 1 32 | 18 54 | 1 53 | 7 2 | 0 40 | 11 9 | 1 9 | 21 8 | 0 18 | 8 53 | 0 35 | 11 36 | 1 52 | 5 5 | 13 31 | 23 2 | 23 1 | 12 5 | 0 56 | 3 4 |
| M17 | 23 28 | 7 17 | 4 58 | 20 52 | 1 24 | 18 32 | 1 51 | 6 44 | 0 39 | 11 10 | 1 9 | 21 9 | 0 18 | 8 54 | 0 35 | 11 36 | 1 52 | 5 5 | 13 31 | 23 3 | 23 1 | 12 3 | 0 57 | 3 4 |
| T 18 | 23 26 | 11 49 | 4 27 | 21 10 | 1 16 | 18 9 | 1 50 | 6 26 | 0 38 | 11 10 | 1 9 | 21 10 | 0 18 | 8 55 | 0 35 | 11 35 | 1 51 | 5 5 | 13 31 | 23 3 | 23 1 | 12 1 | 0 57 | 3 4 |
| W19 | 23 24 | 15 57 | 3 42 | 21 28 | 1 7 | 17 46 | 1 48 | 6 9 | 0 37 | 11 11 | 1 10 | 21 11 | 0 18 | 8 55 | 0 35 | 11 35 | 1 51 | 5 5 | 13 30 | 23 3 | 23 2 | 11 59 | 0 57 | 3 3 |
| T 20 | 23 21 | 19 23 | 2 43 | 21 45 | 0 59 | 17 23 | 1 47 | 5 51 | 0 35 | 11 12 | 1 10 | 21 12 | 0 18 | 8 56 | 0 35 | 11 35 | 1 51 | 5 5 | 13 30 | 23 3 | 23 2 | 11 57 | 0 57 | 3 3 |
| F 21 | 23 18 | 21 50 | 1 33 | 22 1 | 0 50 | 16 59 | 1 45 | 5 33 | 0 34 | 11 13 | 1 10 | 21 13 | 0 19 | 8 57 | 0 35 | 11 35 | 1 51 | 5 5 | 13 30 | 23 3 | 23 2 | 11 55 | 0 58 | 3 3 |
| S 22 | 23 14 | 22 59 | 0 16 | 22 17 | 0 42 | 16 35 | 1 43 | 5 15 | 0 33 | 11 14 | 1 10 | 21 14 | 0 19 | 8 57 | 0 35 | 11 35 | 1 51 | 5 5 | 13 30 | 23 3 | 23 3 | 11 53 | 0 58 | 3 3 |
| S 23 | 23 10 | 22 39 | 1s 3 | 22 32 | 0 34 | 16 10 | 1 41 | 4 58 | 0 32 | 11 15 | 1 11 | 21 15 | 0 19 | 8 58 | 0 35 | 11 35 | 1 51 | 5 5 | 13 29 | 23 3 | 23 3 | 11 50 | 0 58 | 3 2 |
| M24 | 23 5 | 20 48 | 2 19 | 22 46 | 0 25 | 15 45 | 1 39 | 4 40 | 0 30 | 11 16 | 1 11 | 21 16 | 0 19 | 8 58 | 0 35 | 11 35 | 1 51 | 5 5 | 13 29 | 23 3 | 23 3 | 11 48 | 0 59 | 3 2 |
| T 25 | 23 0 | 17 34 | 3 27 | 23 0 | 0 17 | 15 19 | 1 37 | 4 22 | 0 29 | 11 17 | 1 11 | 21 17 | 0 19 | 8 59 | 0 35 | 11 35 | 1 51 | 5 5 | 13 29 | 23 3 | 23 3 | 11 46 | 0 59 | 3 2 |
| W26 | 22 54 | 13 15 | 4 21 | 23 12 | 0 9 | 14 53 | 1 34 | 4 4 | 0 28 | 11 18 | 1 11 | 21 18 | 0 19 | 8 59 | 0 35 | 11 34 | 1 51 | 5 5 | 13 29 | 23 3 | 23 4 | 11 44 | 0 59 | 3 2 |
| T 27 | 22 48 | 8 13 | 4 58 | 23 24 | 0 2 | 14 27 | 1 32 | 3 46 | 0 27 | 11 19 | 1 12 | 21 19 | 0 19 | 9 0 | 0 35 | 11 34 | 1 51 | 5 5 | 13 28 | 23 3 | 23 4 | 11 42 | 1 0 | 3 2 |
| F 28 | 22 42 | 2 48 | 5 16 | 23 34 | 0s 6 | 14 1 | 1 29 | 3 28 | 0 26 | 11 21 | 1 12 | 21 20 | 0 19 | 9 0 | 0 35 | 11 34 | 1 51 | 5 5 | 13 28 | 23 3 | 23 4 | 11 40 | 1 0 | 3 1 |
| S 29 | 22 35 | 2n40 | 5 14 | 23 43 | 0 14 | 13 34 | 1 27 | 3 10 | 0 25 | 11 22 | 1 12 | 21 21 | 0 20 | 9 1 | 0 35 | 11 34 | 1 51 | 5 6 | 13 28 | 23 3 | 23 4 | 11 38 | 1 1 | 3 1 |
| S 30 | 22 27 | 7 55 | 4 55 | 23 52 | 0 21 | 13 6 | 1 24 | 2 52 | 0 23 | 11 24 | 1 13 | 21 22 | 0 20 | 9 1 | 0 35 | 11 34 | 1 51 | 5 6 | 13 28 | 23 3 | 23 5 | 11 35 | 1 1 | 3 1 |
| M31 | 22s19 | 12n41 | 4s19 | 23s59 | 0s28 | 12s39 | 1s21 | 2s34 | 0s22 | 11n25 | 1n13 | 21n23 | 0n20 | 9s 2 | 0n35 | 11n34 | 1s51 | 5n 6 | 13s27 | 23n 3 | 23n 5 | 11n33 | 1n 2 | 3n 1 |

Julian Day Number = 2227628.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'18, Lahiri = 15°18'18 Julian Calendar 1 Dec. 1386 == Greg. Calendar 9 Dec. 1386


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## JANUARY 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 13 17 | 18♉52'04 | 29♉49 | 2♉10 | 1♓32 | 25♓ 6 | 3°R20 | 25°R43 | 24♎38 | 5°R14 | 21°R 8 | 11♋12 | 10♋42 | 11♍14 | 25♓41 | T 1 |
| W 2 | 7 17 14 | 19°53'09 | 12♊53 | 3°39 | 2°42 | 25°49 | 3♍16 | 25♋38 | 24°39 | 5♉13 | 21♉ 7 | 11°12 | 10°39 | 11°21 | 25°43 | W 2 |
| T 3 | 7 21 10 | 20°54'13 | 25°44 | 5° 9 | 3°52 | 26°31 | 3°12 | 25°33 | 24°40 | 5°13 | 21° 7 | 11°13 | 10°36 | 11°27 | 25°45 | T 3 |
| F 4 | 7 25 7 | 21°55'17 | 8♋23 | 6°39 | 5° 2 | 27°14 | 3° 8 | 25°28 | 24°41 | 5°13 | 21° 6 | 11°R13 | 10°32 | 11°34 | 25°46 | F 4 |
| S 5 | 7 29 3 | 22°56'19 | 20°51 | 8°10 | 6°12 | 27°56 | 3° 3 | 25°23 | 24°42 | 5°13 | 21° 6 | 11°13 | 10°29 | 11°41 | 25°48 | S 5 |
| S 6 | 7 33 0 | 23°57'21 | 3♌ 8 | 9°42 | 7°22 | 28°39 | 2°59 | 25°18 | 24°43 | 5°13 | 21° 5 | 11°12 | 10°26 | 11°48 | 25°51 | S 6 |
| M 7 | 7 36 57 | 24°58'23 | 15°15 | 11°14 | 8°32 | 29°21 | 2°54 | 25°13 | 24°44 | 5°D13 | 21° 5 | 11°11 | 10°23 | 11°54 | 25°53 | M 7 |
| T 8 | 7 40 53 | 25°59'23 | 27°15 | 12°47 | 9°41 | 0♈ 4 | 2°49 | 25° 8 | 24°44 | 5°13 | 21° 4 | 11° 9 | 10°20 | 12° 1 | 25°55 | T 8 |
| W 9 | 7 44 50 | 27° 0'23 | 9♍ 9 | 14°20 | 10°50 | 0°46 | 2°44 | 25° 3 | 24°45 | 5°13 | 21° 4 | 11° 6 | 10°16 | 12° 8 | 25°57 | W 9 |
| T 10 | 7 48 46 | 28° 1'22 | 21° 0 | 15°54 | 11°59 | 1°28 | 2°39 | 24°58 | 24°46 | 5°13 | 21° 4 | 11° 3 | 10°13 | 12°14 | 25°59 | T 10 |
| F 11 | 7 52 43 | 29° 2'20 | 2♎52 | 17°29 | 13° 8 | 2°11 | 2°33 | 24°53 | 24°46 | 5°13 | 21° 3 | 11° 1 | 10°10 | 12°21 | 26° 2 | F 11 |
| S 12 | 7 56 39 | 0♒ 3'17 | 14°48 | 19° 4 | 14°17 | 2°53 | 2°28 | 24°48 | 24°47 | 5°13 | 21° 3 | 10°59 | 10° 7 | 12°28 | 26° 4 | S 12 |
| S 13 | 8 0 36 | 1° 4'14 | 26°52 | 20°40 | 15°25 | 3°35 | 2°22 | 24°44 | 24°47 | 5°13 | 21° 3 | 10°D59 | 10° 4 | 12°34 | 26° 6 | S 13 |
| M14 | 8 4 32 | 2° 5'10 | 9♏10 | 22°17 | 16°34 | 4°17 | 2°16 | 24°39 | 24°48 | 5°14 | 21° 2 | 10°59 | 10° 1 | 12°41 | 26° 9 | M14 |
| T 15 | 8 8 29 | 3° 6'05 | 21°45 | 23°55 | 17°42 | 5° 0 | 2°10 | 24°34 | 24°48 | 5°14 | 21° 2 | 11° 0 | 9°57 | 12°48 | 26°11 | T 15 |
| W16 | 8 12 26 | 4° 6'59 | 4♐42 | 25°33 | 18°50 | 5°42 | 2° 4 | 24°29 | 24°48 | 5°14 | 21° 2 | 11° 1 | 9°54 | 12°55 | 26°14 | W16 |
| T 17 | 8 16 22 | 5° 7'53 | 18° 5 | 27°11 | 19°58 | 6°24 | 1°58 | 24°24 | 24°48 | 5°14 | 21° 2 | 11° 3 | 9°51 | 13° 1 | 26°16 | T 17 |
| F 18 | 8 20 19 | 6° 8'46 | 1♑54 | 28°51 | 21° 5 | 7° 6 | 1°51 | 24°19 | 24°49 | 5°15 | 21° 1 | 11° 4 | 9°48 | 13° 8 | 26°19 | F 18 |
| S 19 | 8 24 15 | 7° 9'37 | 16° 9 | 0♒31 | 22°13 | 7°49 | 1°45 | 24°15 | 24°49 | 5°15 | 21° 1 | 11°R 4 | 9°45 | 13°15 | 26°21 | S 19 |
| S 20 | 8 28 12 | 8°10'28 | 0♒47 | 2°12 | 23°20 | 8°31 | 1°38 | 24°10 | 24°49 | 5°16 | 21° 1 | 11° 3 | 9°41 | 13°21 | 26°24 | S 20 |
| M21 | 8 32 8 | 9°11'17 | 15°42 | 3°54 | 24°27 | 9°13 | 1°31 | 24° 5 | 24°R49 | 5°16 | 21° 1 | 11° 0 | 9°38 | 13°28 | 26°27 | M21 |
| T 22 | 8 36 5 | 10°12'05 | 0♓45 | 5°37 | 25°34 | 9°55 | 1°25 | 24° 1 | 24°49 | 5°17 | 21° 1 | 10°57 | 9°35 | 13°35 | 26°29 | T 22 |
| W23 | 8 40 1 | 11°12'51 | 15°48 | 7°20 | 26°40 | 10°37 | 1°18 | 23°56 | 24°49 | 5°17 | 21° 1 | 10°52 | 9°32 | 13°42 | 26°32 | W23 |
| T 24 | 8 43 58 | 12°13'36 | 0♈40 | 9° 4 | 27°46 | 11°19 | 1°11 | 23°51 | 24°49 | 5°18 | 21° 1 | 10°48 | 9°29 | 13°48 | 26°35 | T 24 |
| F 25 | 8 47 55 | 13°14'19 | 15°16 | 10°50 | 28°52 | 12° 1 | 1° 4 | 23°47 | 24°48 | 5°18 | 21° 1 | 10°44 | 9°26 | 13°55 | 26°38 | F 25 |
| S 26 | 8 51 51 | 14°15'01 | 29°30 | 12°35 | 29°58 | 12°43 | 0°56 | 23°42 | 24°48 | 5°19 | 21° 1 | 10°41 | 9°22 | 14° 2 | 26°41 | S 26 |
| S 27 | 8 55 48 | 15°15'40 | 13♉21 | 14°22 | 1♈ 4 | 13°25 | 0°49 | 23°38 | 24°48 | 5°20 | 21°D 1 | 10°D40 | 9°19 | 14° 8 | 26°44 | S 27 |
| M28 | 8 59 44 | 16°16'18 | 26°48 | 16°10 | 2° 9 | 14° 7 | 0°42 | 23°34 | 24°47 | 5°20 | 21° 1 | 10°41 | 9°16 | 14°15 | 26°46 | M28 |
| T 29 | 9 3 41 | 17°16'55 | 9♊55 | 17°58 | 3°14 | 14°49 | 0°34 | 23°29 | 24°47 | 5°21 | 21° 1 | 10°42 | 9°13 | 14°22 | 26°49 | T 29 |
| W30 | 9 7 37 | 18°17'29 | 22°43 | 19°47 | 4°18 | 15°31 | 0°27 | 23°25 | 24°47 | 5°22 | 21° 1 | 10°44 | 9°10 | 14°29 | 26°52 | W30 |
| T 31 | 9 11 34 | 19♒18'02 | 5♋16 | 21♒37 | 5♈23 | 16♈13 | 0♍19 | 23♋21 | 24♎46 | 5♉23 | 21♉ 1 | 10°R45 | 9♋ 7 | 14♍35 | 26♓55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s11 | 16n45 | 3s30 | 24s 5 | 0s35 | 12s11 | 1s18 | 2s16 | 0s21 | 11n27 | 1n13 | 21n24 | 0n20 | 9s 2 | 0n35 | 11n34 | 1s51 | 5n 6 | 13s27 | 23n 3 | 23n 5 | 11n31 | 1n 2 | 3n 0 |
| W 2 | 22 2 | 19 56 | 2 31 | 24 10 | 0 42 | 11 43 | 1 15 | 1 59 | 0 20 | 11 29 | 1 13 | 21 25 | 0 20 | 9 2 | 0 35 | 11 34 | 1 51 | 5 6 | 13 27 | 23 3 | 23 5 | 11 29 | 1 3 | 3 0 |
| T 3 | 21 53 | 22 2 | 1 25 | 24 13 | 0 48 | 11 15 | 1 12 | 1 41 | 0 19 | 11 30 | 1 14 | 21 26 | 0 20 | 9 3 | 0 35 | 11 34 | 1 50 | 5 6 | 13 26 | 23 3 | 23 6 | 11 27 | 1 3 | 3 0 |
| F 4 | 21 44 | 22 59 | 0 16 | 24 16 | 0 55 | 10 46 | 1 9 | 1 23 | 0 18 | 11 32 | 1 14 | 21 27 | 0 20 | 9 3 | 0 35 | 11 34 | 1 50 | 5 6 | 13 26 | 23 3 | 23 6 | 11 24 | 1 4 | 3 0 |
| S 5 | 21 34 | 22 46 | 0n53 | 24 17 | 1 1 | 10 17 | 1 6 | 1 5 | 0 17 | 11 34 | 1 14 | 21 28 | 0 20 | 9 3 | 0 35 | 11 34 | 1 50 | 5 7 | 13 26 | 23 3 | 23 6 | 11 22 | 1 4 | 3 0 |
| S 6 | 21 23 | 21 26 | 1 58 | 24 16 | 1 7 | 9 48 | 1 2 | 0 47 | 0 16 | 11 36 | 1 14 | 21 29 | 0 20 | 9 4 | 0 35 | 11 34 | 1 50 | 5 7 | 13 26 | 23 3 | 23 6 | 11 20 | 1 5 | 2 59 |
| M 7 | 21 12 | 19 8 | 2 57 | 24 15 | 1 12 | 9 19 | 0 59 | 0 29 | 0 15 | 11 38 | 1 15 | 21 30 | 0 21 | 9 4 | 0 35 | 11 34 | 1 50 | 5 7 | 13 25 | 23 3 | 23 7 | 11 18 | 1 6 | 2 59 |
| T 8 | 21 1 | 16 2 | 3 48 | 24 12 | 1 18 | 8 49 | 0 55 | 0 11 | 0 14 | 11 40 | 1 15 | 21 31 | 0 21 | 9 4 | 0 35 | 11 34 | 1 50 | 5 7 | 13 25 | 23 3 | 23 7 | 11 16 | 1 6 | 2 59 |
| W 9 | 20 50 | 12 18 | 4 28 | 24 7 | 1 23 | 8 19 | 0 52 | 0n 7 | 0 13 | 11 42 | 1 15 | 21 32 | 0 21 | 9 4 | 0 35 | 11 34 | 1 50 | 5 7 | 13 25 | 23 3 | 23 7 | 11 13 | 1 7 | 2 59 |
| T 10 | 20 38 | 8 7 | 4 56 | 24 1 | 1 28 | 7 50 | 0 48 | 0 25 | 0 12 | 11 44 | 1 15 | 21 33 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 7 | 13 24 | 23 3 | 23 7 | 11 11 | 1 8 | 2 59 |
| F 11 | 20 25 | 3 38 | 5 12 | 23 54 | 1 33 | 7 19 | 0 44 | 0 42 | 0 11 | 11 46 | 1 15 | 21 34 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 8 | 13 24 | 23 4 | 23 8 | 11 9 | 1 8 | 2 58 |
| S 12 | 20 12 | 1s 1 | 5 15 | 23 45 | 1 37 | 6 49 | 0 40 | 1 0 | 0 10 | 11 49 | 1 16 | 21 35 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 8 | 13 24 | 23 4 | 23 8 | 11 7 | 1 9 | 2 58 |
| S 13 | 19 59 | 5 40 | 5 3 | 23 35 | 1 41 | 6 19 | 0 36 | 1 18 | 0 9 | 11 51 | 1 16 | 21 36 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 8 | 13 24 | 23 4 | 23 8 | 11 5 | 1 10 | 2 58 |
| M14 | 19 46 | 10 12 | 4 38 | 23 24 | 1 45 | 5 49 | 0 32 | 1 36 | 0 8 | 11 53 | 1 16 | 21 37 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 8 | 13 23 | 23 4 | 23 8 | 11 2 | 1 11 | 2 58 |
| T 15 | 19 32 | 14 25 | 3 59 | 23 10 | 1 48 | 5 18 | 0 28 | 1 53 | 0 7 | 11 55 | 1 16 | 21 38 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 8 | 13 23 | 23 4 | 23 9 | 11 0 | 1 12 | 2 58 |
| W16 | 19 17 | 18 5 | 3 7 | 22 56 | 1 52 | 4 47 | 0 23 | 2 11 | 0 6 | 11 58 | 1 17 | 21 39 | 0 21 | 9 5 | 0 35 | 11 35 | 1 50 | 5 9 | 13 23 | 23 4 | 23 9 | 10 58 | 1 12 | 2 57 |
| T 17 | 19 3 | 20 56 | 2 3 | 22 40 | 1 54 | 4 17 | 0 19 | 2 29 | 0 5 | 12 0 | 1 17 | 21 40 | 0 22 | 9 5 | 0 35 | 11 35 | 1 50 | 5 9 | 13 22 | 23 3 | 23 9 | 10 56 | 1 13 | 2 57 |
| F 18 | 18 48 | 22 40 | 0 50 | 22 22 | 1 57 | 3 46 | 0 14 | 2 46 | 0 4 | 12 3 | 1 17 | 21 41 | 0 22 | 9 5 | 0 35 | 11 36 | 1 50 | 5 9 | 13 22 | 23 3 | 23 9 | 10 54 | 1 14 | 2 57 |
| S 19 | 18 33 | 23 0 | 0s28 | 22 3 | 1 59 | 3 15 | 0 10 | 3 4 | 0 3 | 12 5 | 1 17 | 21 42 | 0 22 | 9 5 | 0 35 | 11 36 | 1 49 | 5 9 | 13 22 | 23 3 | 23 10 | 10 51 | 1 15 | 2 57 |
| S 20 | 18 17 | 21 47 | 1 46 | 21 42 | 2 1 | 2 44 | 0 5 | 3 22 | 0 2 | 12 8 | 1 17 | 21 43 | 0 22 | 9 5 | 0 35 | 11 36 | 1 49 | 5 10 | 13 21 | 23 3 | 23 10 | 10 49 | 1 16 | 2 57 |
| M21 | 18 1 | 19 1 | 2 59 | 21 19 | 2 2 | 2 13 | 0 0 | 3 39 | 0 1 | 12 10 | 1 18 | 21 43 | 0 22 | 9 5 | 0 35 | 11 36 | 1 49 | 5 10 | 13 21 | 23 4 | 23 10 | 10 47 | 1 17 | 2 56 |
| T 22 | 17 45 | 14 58 | 3 59 | 20 55 | 2 3 | 1 42 | 0n 4 | 3 57 | 0n 0 | 12 13 | 1 18 | 21 44 | 0 22 | 9 5 | 0 35 | 11 36 | 1 49 | 5 10 | 13 21 | 23 4 | 23 10 | 10 45 | 1 18 | 2 56 |
| W23 | 17 28 | 9 58 | 4 43 | 20 30 | 2 4 | 1 11 | 0 9 | 4 14 | 0 1 | 12 16 | 1 18 | 21 45 | 0 22 | 9 5 | 0 36 | 11 37 | 1 49 | 5 11 | 13 21 | 23 4 | 23 10 | 10 42 | 1 19 | 2 56 |
| T 24 | 17 11 | 4 26 | 5 8 | 20 3 | 2 4 | 0 40 | 0 14 | 4 31 | 0 2 | 12 18 | 1 18 | 21 46 | 0 22 | 9 5 | 0 36 | 11 37 | 1 49 | 5 11 | 13 20 | 23 5 | 23 11 | 10 40 | 1 19 | 2 56 |
| F 25 | 16 54 | 1n15 | 5 11 | 19 34 | 2 4 | 0 9 | 0 19 | 4 49 | 0 3 | 12 21 | 1 18 | 21 47 | 0 22 | 9 5 | 0 36 | 11 37 | 1 49 | 5 11 | 13 20 | 23 5 | 23 11 | 10 38 | 1 20 | 2 56 |
| S 26 | 16 37 | 6 43 | 4 56 | 19 4 | 2 4 | 0n22 | 0 25 | 5 6 | 0 4 | 12 24 | 1 18 | 21 48 | 0 22 | 9 5 | 0 36 | 11 37 | 1 49 | 5 11 | 13 20 | 23 5 | 23 11 | 10 36 | 1 21 | 2 56 |
| S 27 | 16 19 | 11 43 | 4 23 | 18 32 | 2 2 | 0 53 | 0 30 | 5 23 | 0 5 | 12 27 | 1 19 | 21 49 | 0 23 | 9 5 | 0 36 | 11 38 | 1 49 | 5 12 | 13 19 | 23 5 | 23 11 | 10 33 | 1 22 | 2 55 |
| M28 | 16 1 | 15 59 | 3 37 | 17 58 | 2 1 | 1 24 | 0 35 | 5 40 | 0 5 | 12 29 | 1 19 | 21 50 | 0 23 | 9 5 | 0 36 | 11 38 | 1 49 | 5 12 | 13 19 | 23 5 | 23 12 | 10 31 | 1 23 | 2 55 |
| T 29 | 15 42 | 19 22 | 2 40 | 17 23 | 1 59 | 1 54 | 0 40 | 5 57 | 0 6 | 12 32 | 1 19 | 21 50 | 0 23 | 9 5 | 0 36 | 11 38 | 1 49 | 5 12 | 13 19 | 23 5 | 23 12 | 10 29 | 1 24 | 2 55 |
| W30 | 15 24 | 21 42 | 1 37 | 16 46 | 1 56 | 2 25 | 0 46 | 6 14 | 0 7 | 12 35 | 1 19 | 21 51 | 0 23 | 9 4 | 0 36 | 11 39 | 1 49 | 5 13 | 13 18 | 23 5 | 23 12 | 10 26 | 1 26 | 2 55 |
| T 31 | 15s 5 | 22n55 | 0s30 | 16s 8 | 1s53 | 2n56 | 0n51 | 6n31 | 0n 8 | 12n38 | 1n19 | 21n52 | 0n23 | 9s 4 | 0n36 | 11n39 | 1s49 | 5n13 | 13s18 | 23n 5 | 23n12 | 10n24 | 1n27 | 2n55 |

Julian Day Number = 2227659.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'22, Lahiri = 15°18'22 Julian Calendar 1 Jan. 1387 == Greg. Calendar 9 Jan. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## FEBRUARY 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 15 30 | 20♒18'33 | 17♋37 | 23♒27 | 6♈27 | 16♈55 | 0°R11 | 23°R17 | 24°R45 | 5♉23 | 21♉ 1 | 10°R45 | 9♋ 3 | 14♍42 | 26♓58 | F 1 |
| S 2 | 9 19 27 | 21°19'02 | 29°49 | 25°18 | 7°30 | 17°37 | 0♍ 4 | 23♋13 | 24♎45 | 5°24 | 21° 1 | 10♋43 | 9° 0 | 14°49 | 27° 2 | S 2 |
| S 3 | 9 23 24 | 22°19'30 | 11♌53 | 27°10 | 8°34 | 18°19 | 29♌56 | 23° 9 | 24°44 | 5°25 | 21° 1 | 10°39 | 8°57 | 14°55 | 27° 5 | S 3 |
| M 4 | 9 27 20 | 23°19'55 | 23°52 | 29° 2 | 9°37 | 19° 0 | 29°48 | 23° 5 | 24°43 | 5°26 | 21° 1 | 10°33 | 8°54 | 15° 2 | 27° 8 | M 4 |
| T 5 | 9 31 17 | 24°20'19 | 5♍47 | 0♓55 | 10°39 | 19°42 | 29°40 | 23° 1 | 24°43 | 5°27 | 21° 2 | 10°25 | 8°51 | 15° 9 | 27°11 | T 5 |
| W 6 | 9 35 13 | 25°20'42 | 17°39 | 2°48 | 11°42 | 20°24 | 29°33 | 22°57 | 24°42 | 5°28 | 21° 2 | 10°16 | 8°47 | 15°15 | 27°14 | W 6 |
| T 7 | 9 39 10 | 26°21'03 | 29°31 | 4°41 | 12°44 | 21° 6 | 29°25 | 22°54 | 24°41 | 5°29 | 21° 2 | 10° 7 | 8°44 | 15°22 | 27°17 | T 7 |
| F 8 | 9 43 6 | 27°21'22 | 11♎24 | 6°34 | 13°45 | 21°47 | 29°17 | 22°50 | 24°40 | 5°30 | 21° 2 | 9°59 | 8°41 | 15°29 | 27°21 | F 8 |
| S 9 | 9 47 3 | 28°21'39 | 23°21 | 8°27 | 14°46 | 22°29 | 29° 9 | 22°46 | 24°39 | 5°31 | 21° 3 | 9°51 | 8°38 | 15°36 | 27°24 | S 9 |
| S 10 | 9 50 59 | 29°21'55 | 5♏25 | 10°19 | 15°47 | 23°11 | 29° 1 | 22°43 | 24°38 | 5°32 | 21° 3 | 9°46 | 8°35 | 15°42 | 27°27 | S 10 |
| M11 | 9 54 56 | 0♓22'10 | 17°40 | 12°10 | 16°48 | 23°52 | 28°53 | 22°40 | 24°37 | 5°33 | 21° 3 | 9°43 | 8°32 | 15°49 | 27°31 | M11 |
| T 12 | 9 58 53 | 1°22'23 | 0♐11 | 14° 0 | 17°47 | 24°34 | 28°45 | 22°36 | 24°36 | 5°35 | 21° 4 | 9°D42 | 8°28 | 15°56 | 27°34 | T 12 |
| W13 | 10 2 49 | 2°22'35 | 13° 1 | 15°48 | 18°47 | 25°15 | 28°38 | 22°33 | 24°34 | 5°36 | 21° 4 | 9°43 | 8°25 | 16° 2 | 27°37 | W13 |
| T 14 | 10 6 46 | 3°22'45 | 26°15 | 17°34 | 19°46 | 25°57 | 28°30 | 22°30 | 24°33 | 5°37 | 21° 4 | 9°44 | 8°22 | 16° 9 | 27°41 | T 14 |
| F 15 | 10 10 42 | 4°22'53 | 9♑56 | 19°18 | 20°44 | 26°38 | 28°22 | 22°27 | 24°32 | 5°38 | 21° 5 | 9°R44 | 8°19 | 16°16 | 27°44 | F 15 |
| S 16 | 10 14 39 | 5°23'00 | 24° 6 | 20°59 | 21°42 | 27°20 | 28°14 | 22°24 | 24°31 | 5°40 | 21° 5 | 9°43 | 8°16 | 16°23 | 27°47 | S 16 |
| S 17 | 10 18 35 | 6°23'05 | 8♒43 | 22°37 | 22°40 | 28° 1 | 28° 6 | 22°21 | 24°29 | 5°41 | 21° 6 | 9°40 | 8°13 | 16°29 | 27°51 | S 17 |
| M18 | 10 22 32 | 7°23'09 | 23°43 | 24°10 | 23°37 | 28°43 | 27°59 | 22°18 | 24°28 | 5°42 | 21° 6 | 9°35 | 8° 9 | 16°36 | 27°54 | M18 |
| T 19 | 10 26 28 | 8°23'10 | 8♓58 | 25°39 | 24°33 | 29°24 | 27°51 | 22°16 | 24°26 | 5°44 | 21° 7 | 9°27 | 8° 6 | 16°43 | 27°58 | T 19 |
| W20 | 10 30 25 | 9°23'10 | 24°17 | 27° 2 | 25°29 | 0♉ 5 | 27°43 | 22°13 | 24°25 | 5°45 | 21° 7 | 9°18 | 8° 3 | 16°49 | 28° 1 | W20 |
| T 21 | 10 34 22 | 10°23'07 | 9♈29 | 28°20 | 26°25 | 0°47 | 27°36 | 22°11 | 24°23 | 5°47 | 21° 8 | 9° 8 | 8° 0 | 16°56 | 28° 5 | T 21 |
| F 22 | 10 38 18 | 11°23'02 | 24°24 | 29°32 | 27°19 | 1°28 | 27°28 | 22° 8 | 24°22 | 5°48 | 21° 8 | 9° 0 | 7°57 | 17° 3 | 28° 8 | F 22 |
| S 23 | 10 42 15 | 12°22'56 | 8♉54 | 0♈37 | 28°14 | 2° 9 | 27°21 | 22° 6 | 24°20 | 5°49 | 21° 9 | 8°53 | 7°53 | 17°10 | 28°12 | S 23 |
| S 24 | 10 46 11 | 13°22'46 | 22°55 | 1°35 | 29° 7 | 2°50 | 27°14 | 22° 4 | 24°18 | 5°51 | 21° 9 | 8°49 | 7°50 | 17°16 | 28°15 | S 24 |
| M25 | 10 50 8 | 14°22'35 | 6♊28 | 2°26 | 29°59 | 3°32 | 27° 6 | 22° 2 | 24°17 | 5°53 | 21°10 | 8°47 | 7°47 | 17°23 | 28°19 | M25 |
| T 26 | 10 54 4 | 15°22'22 | 19°34 | 3° 8 | 0♉52 | 4°13 | 26°59 | 22° 0 | 24°15 | 5°54 | 21°11 | 8°D47 | 7°44 | 17°30 | 28°23 | T 26 |
| W27 | 10 58 1 | 16°22'06 | 2♋17 | 3°43 | 1°43 | 4°54 | 26°52 | 21°58 | 24°13 | 5°56 | 21°11 | 8°R48 | 7°41 | 17°36 | 28°26 | W27 |
| T 28 | 11 1 57 | 17♓21'48 | 14♋43 | 4♈10 | 2♉34 | 5♉35 | 26♌45 | 21♋56 | 24♎11 | 5♉57 | 21♉12 | 8♋48 | 7♋38 | 17♍43 | 28♓30 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s46 | 22n58 | 0n37 | 15s28 | 1s49 | 3n26 | 0n57 | 6n48 | 0n 9 | 12n41 | 1n19 | 21n53 | 0n23 | 9s 4 | 0n36 | 11n39 | 1s49 | 5n13 | 13s18 | 23n 5 | 23n12 | 10n22 | 1n28 | 2n55 |
| S 2 | 14 27 | 21 55 | 1 42 | 14 47 | 1 45 | 3 57 | 1 3 | 7 5 | 0 10 | 12 44 | 1 19 | 21 54 | 0 23 | 9 4 | 0 36 | 11 40 | 1 49 | 5 14 | 13 17 | 23 5 | 23 13 | 10 20 | 1 29 | 2 54 |
| S 3 | 14 7 | 19 51 | 2 41 | 14 4 | 1 40 | 4 27 | 1 8 | 7 22 | 0 11 | 12 46 | 1 20 | 21 54 | 0 23 | 9 3 | 0 36 | 11 40 | 1 49 | 5 14 | 13 17 | 23 5 | 23 13 | 10 17 | 1 30 | 2 54 |
| M 4 | 13 47 | 16 56 | 3 32 | 13 20 | 1 35 | 4 57 | 1 14 | 7 39 | 0 11 | 12 49 | 1 20 | 21 55 | 0 23 | 9 3 | 0 36 | 11 40 | 1 48 | 5 14 | 13 17 | 23 6 | 23 13 | 10 15 | 1 31 | 2 54 |
| T 5 | 13 27 | 13 21 | 4 14 | 12 34 | 1 29 | 5 27 | 1 20 | 7 55 | 0 12 | 12 52 | 1 20 | 21 56 | 0 23 | 9 3 | 0 36 | 11 41 | 1 48 | 5 15 | 13 17 | 23 6 | 23 13 | 10 13 | 1 32 | 2 54 |
| W 6 | 13 7 | 9 15 | 4 44 | 11 47 | 1 22 | 5 57 | 1 26 | 8 12 | 0 13 | 12 55 | 1 20 | 21 57 | 0 23 | 9 2 | 0 36 | 11 41 | 1 48 | 5 15 | 13 16 | 23 7 | 23 14 | 10 10 | 1 33 | 2 54 |
| T 7 | 12 46 | 4 48 | 5 2 | 10 59 | 1 15 | 6 27 | 1 31 | 8 28 | 0 14 | 12 58 | 1 20 | 21 57 | 0 23 | 9 2 | 0 36 | 11 42 | 1 48 | 5 15 | 13 16 | 23 8 | 23 14 | 10 8 | 1 34 | 2 54 |
| F 8 | 12 26 | 0 11 | 5 7 | 10 10 | 1 7 | 6 56 | 1 37 | 8 45 | 0 15 | 13 1 | 1 20 | 21 58 | 0 24 | 9 2 | 0 36 | 11 42 | 1 48 | 5 16 | 13 16 | 23 9 | 23 14 | 10 6 | 1 36 | 2 53 |
| S 9 | 12 5 | 4s28 | 4 59 | 9 20 | 0 58 | 7 26 | 1 43 | 9 1 | 0 15 | 13 4 | 1 20 | 21 59 | 0 24 | 9 1 | 0 36 | 11 42 | 1 48 | 5 16 | 13 15 | 23 9 | 23 14 | 10 4 | 1 37 | 2 53 |
| S 10 | 11 44 | 9 1 | 4 37 | 8 29 | 0 49 | 7 55 | 1 49 | 9 17 | 0 16 | 13 6 | 1 20 | 21 59 | 0 24 | 9 1 | 0 36 | 11 43 | 1 48 | 5 16 | 13 15 | 23 9 | 23 14 | 10 1 | 1 38 | 2 53 |
| M11 | 11 23 | 13 16 | 4 3 | 7 37 | 0 39 | 8 24 | 1 56 | 9 33 | 0 17 | 13 9 | 1 20 | 22 0 | 0 24 | 9 1 | 0 36 | 11 43 | 1 48 | 5 17 | 13 15 | 23 10 | 23 15 | 9 59 | 1 39 | 2 53 |
| T 12 | 11 1 | 17 4 | 3 16 | 6 45 | 0 28 | 8 53 | 2 2 | 9 49 | 0 18 | 13 12 | 1 20 | 22 1 | 0 24 | 9 0 | 0 36 | 11 44 | 1 48 | 5 17 | 13 14 | 23 10 | 23 15 | 9 57 | 1 40 | 2 53 |
| W13 | 10 40 | 20 9 | 2 18 | 5 53 | 0 17 | 9 21 | 2 8 | 10 5 | 0 18 | 13 15 | 1 20 | 22 1 | 0 24 | 9 0 | 0 36 | 11 44 | 1 48 | 5 18 | 13 14 | 23 10 | 23 15 | 9 54 | 1 41 | 2 53 |
| T 14 | 10 18 | 22 16 | 1 12 | 5 1 | 0 6 | 9 49 | 2 14 | 10 21 | 0 19 | 13 18 | 1 21 | 22 2 | 0 24 | 8 59 | 0 36 | 11 45 | 1 48 | 5 18 | 13 14 | 23 10 | 23 15 | 9 52 | 1 43 | 2 53 |
| F 15 | 9 56 | 23 10 | 0s 1 | 4 9 | 0n 6 | 10 17 | 2 20 | 10 37 | 0 20 | 13 20 | 1 21 | 22 2 | 0 24 | 8 59 | 0 36 | 11 45 | 1 48 | 5 18 | 13 13 | 23 10 | 23 15 | 9 50 | 1 44 | 2 53 |
| S 16 | 9 34 | 22 37 | 1 16 | 3 18 | 0 19 | 10 45 | 2 26 | 10 53 | 0 21 | 13 23 | 1 21 | 22 3 | 0 24 | 8 58 | 0 36 | 11 46 | 1 48 | 5 19 | 13 13 | 23 10 | 23 16 | 9 47 | 1 45 | 2 52 |
| S 17 | 9 12 | 20 32 | 2 29 | 2 27 | 0 32 | 11 12 | 2 33 | 11 8 | 0 21 | 13 26 | 1 21 | 22 3 | 0 24 | 8 58 | 0 36 | 11 46 | 1 48 | 5 19 | 13 13 | 23 10 | 23 16 | 9 45 | 1 46 | 2 52 |
| M18 | 8 50 | 17 0 | 3 33 | 1 38 | 0 45 | 11 40 | 2 39 | 11 24 | 0 22 | 13 29 | 1 21 | 22 4 | 0 24 | 8 57 | 0 36 | 11 46 | 1 48 | 5 20 | 13 13 | 23 10 | 23 16 | 9 43 | 1 48 | 2 52 |
| T 19 | 8 27 | 12 17 | 4 23 | 0 50 | 0 59 | 12 6 | 2 45 | 11 39 | 0 23 | 13 31 | 1 21 | 22 4 | 0 24 | 8 57 | 0 36 | 11 47 | 1 48 | 5 20 | 13 12 | 23 11 | 23 16 | 9 40 | 1 49 | 2 52 |
| W20 | 8 5 | 6 46 | 4 54 | 0 4 | 1 13 | 12 33 | 2 52 | 11 54 | 0 23 | 13 34 | 1 21 | 22 5 | 0 24 | 8 56 | 0 36 | 11 48 | 1 48 | 5 20 | 13 12 | 23 12 | 23 16 | 9 38 | 1 50 | 2 52 |
| T 21 | 7 42 | 0 53 | 5 4 | 0n40 | 1 27 | 12 59 | 2 58 | 12 9 | 0 24 | 13 37 | 1 21 | 22 5 | 0 25 | 8 55 | 0 36 | 11 48 | 1 48 | 5 21 | 13 12 | 23 12 | 23 17 | 9 36 | 1 52 | 2 52 |
| F 22 | 7 19 | 4n56 | 4 53 | 1 21 | 1 40 | 13 25 | 3 4 | 12 25 | 0 25 | 13 39 | 1 21 | 22 6 | 0 25 | 8 55 | 0 36 | 11 49 | 1 47 | 5 21 | 13 11 | 23 13 | 23 17 | 9 33 | 1 53 | 2 52 |
| S 23 | 6 56 | 10 21 | 4 24 | 1 59 | 1 54 | 13 51 | 3 11 | 12 39 | 0 25 | 13 42 | 1 21 | 22 6 | 0 25 | 8 54 | 0 36 | 11 49 | 1 47 | 5 22 | 13 11 | 23 13 | 23 17 | 9 31 | 1 54 | 2 52 |
| S 24 | 6 33 | 15 2 | 3 39 | 2 34 | 2 7 | 14 16 | 3 17 | 12 54 | 0 26 | 13 44 | 1 21 | 22 7 | 0 25 | 8 54 | 0 36 | 11 50 | 1 47 | 5 22 | 13 11 | 23 13 | 23 17 | 9 29 | 1 56 | 2 51 |
| M25 | 6 10 | 18 47 | 2 43 | 3 6 | 2 20 | 14 41 | 3 24 | 13 9 | 0 27 | 13 47 | 1 21 | 22 7 | 0 25 | 8 53 | 0 36 | 11 50 | 1 47 | 5 22 | 13 11 | 23 14 | 23 17 | 9 26 | 1 57 | 2 51 |
| T 26 | 5 47 | 21 26 | 1 41 | 3 35 | 2 32 | 15 5 | 3 30 | 13 24 | 0 27 | 13 49 | 1 21 | 22 7 | 0 25 | 8 52 | 0 36 | 11 51 | 1 47 | 5 23 | 13 10 | 23 14 | 23 18 | 9 24 | 1 58 | 2 51 |
| W27 | 5 24 | 22 55 | 0 35 | 3 59 | 2 43 | 15 29 | 3 36 | 13 38 | 0 28 | 13 52 | 1 21 | 22 8 | 0 25 | 8 52 | 0 36 | 11 51 | 1 47 | 5 23 | 13 10 | 23 14 | 23 18 | 9 22 | 2 0 | 2 51 |
| T 28 | 5s 0 | 23n13 | 0n31 | 4n19 | 2n54 | 15n53 | 3n43 | 13n53 | 0n29 | 13n54 | 1n21 | 22n 8 | 0n25 | 8s51 | 0n36 | 11n52 | 1s47 | 5n24 | 13s10 | 23n14 | 23n18 | 9n19 | 2n 1 | 2n51 |

Julian Day Number = 2227690.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'07, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'26, Lahiri = 15°18'27 Julian Calendar 1 Feb. 1387 == Greg. Calendar 9 Feb. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## MARCH 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 5 54 | 18♓21'27 | 26♋54 | 4♈28 | 3♉24 | 6♉16 | 26°R38 | 21°R55 | 24°R 9 | 5♉59 | 21♉13 | 8°R46 | 7♋34 | 17♍50 | 28♓33 | F 1 |
| S 2 | 11 9 51 | 19°21'04 | 8♌56 | 4°37 | 4°13 | 6°57 | 26♌31 | 21♋53 | 24♎ 7 | 6° 1 | 21°13 | 8♋42 | 7°31 | 17°57 | 28°37 | S 2 |
| S 3 | 11 13 47 | 20°20'39 | 20°52 | 4°R39 | 5° 1 | 7°38 | 26°25 | 21°52 | 24° 5 | 6° 2 | 21°14 | 8°35 | 7°28 | 18° 3 | 28°41 | S 3 |
| M 4 | 11 17 44 | 21°20'12 | 2♍45 | 4°32 | 5°48 | 8°19 | 26°18 | 21°50 | 24° 3 | 6° 4 | 21°15 | 8°26 | 7°25 | 18°10 | 28°44 | M 4 |
| T 5 | 11 21 40 | 22°19'43 | 14°37 | 4°18 | 6°34 | 9° 0 | 26°12 | 21°49 | 24° 1 | 6° 6 | 21°15 | 8°14 | 7°22 | 18°17 | 28°48 | T 5 |
| W 6 | 11 25 37 | 23°19'11 | 26°29 | 3°57 | 7°20 | 9°41 | 26° 5 | 21°48 | 23°59 | 6° 7 | 21°16 | 8° 0 | 7°19 | 18°23 | 28°51 | W 6 |
| T 7 | 11 29 33 | 24°18'38 | 8♎23 | 3°29 | 8° 4 | 10°22 | 25°59 | 21°47 | 23°57 | 6° 9 | 21°17 | 7°46 | 7°15 | 18°30 | 28°55 | T 7 |
| F 8 | 11 33 30 | 25°18'02 | 20°21 | 2°55 | 8°47 | 11° 2 | 25°53 | 21°46 | 23°55 | 6°11 | 21°18 | 7°33 | 7°12 | 18°37 | 28°59 | F 8 |
| S 9 | 11 37 26 | 26°17'25 | 2♏23 | 2°15 | 9°30 | 11°43 | 25°47 | 21°45 | 23°53 | 6°13 | 21°19 | 7°21 | 7° 9 | 18°44 | 29° 2 | S 9 |
| S 10 | 11 41 23 | 27°16'45 | 14°33 | 1°32 | 10°11 | 12°24 | 25°41 | 21°44 | 23°51 | 6°15 | 21°20 | 7°12 | 7° 6 | 18°50 | 29° 6 | S 10 |
| M11 | 11 45 19 | 28°16'04 | 26°51 | 0°45 | 10°51 | 13° 5 | 25°36 | 21°44 | 23°49 | 6°16 | 21°20 | 7° 6 | 7° 3 | 18°57 | 29°10 | M11 |
| T 12 | 11 49 16 | 29°15'21 | 9♐23 | 29♓55 | 11°30 | 13°45 | 25°30 | 21°43 | 23°46 | 6°18 | 21°21 | 7° 3 | 6°59 | 19° 4 | 29°13 | T 12 |
| W13 | 11 53 13 | 0♈14'36 | 22°10 | 29° 5 | 12° 8 | 14°26 | 25°25 | 21°43 | 23°44 | 6°20 | 21°22 | 7° 1 | 6°56 | 19°10 | 29°17 | W13 |
| T 14 | 11 57 9 | 1°13'49 | 5♑18 | 28°14 | 12°44 | 15° 7 | 25°19 | 21°43 | 23°42 | 6°22 | 21°23 | 7° 1 | 6°53 | 19°17 | 29°21 | T 14 |
| F 15 | 12 1 6 | 2°13'01 | 18°50 | 27°24 | 13°19 | 15°47 | 25°14 | 21°43 | 23°40 | 6°24 | 21°24 | 7° 1 | 6°50 | 19°24 | 29°24 | F 15 |
| S 16 | 12 5 2 | 3°12'11 | 2♒48 | 26°36 | 13°53 | 16°28 | 25° 9 | 21°D43 | 23°37 | 6°26 | 21°25 | 6°59 | 6°47 | 19°31 | 29°28 | S 16 |
| S 17 | 12 8 59 | 4°11'19 | 17°14 | 25°50 | 14°25 | 17° 9 | 25° 4 | 21°43 | 23°35 | 6°28 | 21°26 | 6°55 | 6°44 | 19°37 | 29°32 | S 17 |
| M18 | 12 12 55 | 5°10'25 | 2♓ 3 | 25° 7 | 14°56 | 17°49 | 25° 0 | 21°43 | 23°33 | 6°30 | 21°27 | 6°49 | 6°40 | 19°44 | 29°35 | M18 |
| T 19 | 12 16 52 | 6° 9'29 | 17°11 | 24°29 | 15°26 | 18°30 | 24°55 | 21°43 | 23°30 | 6°32 | 21°28 | 6°40 | 6°37 | 19°51 | 29°39 | T 19 |
| W20 | 12 20 48 | 7° 8'31 | 2♈28 | 23°55 | 15°53 | 19°10 | 24°51 | 21°44 | 23°28 | 6°34 | 21°29 | 6°29 | 6°34 | 19°57 | 29°42 | W20 |
| T 21 | 12 24 45 | 8° 7'32 | 17°42 | 23°26 | 16°19 | 19°51 | 24°47 | 21°44 | 23°25 | 6°36 | 21°30 | 6°17 | 6°31 | 20° 4 | 29°46 | T 21 |
| F 22 | 12 28 42 | 9° 6'30 | 2♉44 | 23° 1 | 16°44 | 20°31 | 24°43 | 21°45 | 23°23 | 6°38 | 21°31 | 6° 7 | 6°28 | 20°11 | 29°50 | F 22 |
| S 23 | 12 32 38 | 10° 5'26 | 17°23 | 22°42 | 17° 6 | 21°11 | 24°39 | 21°46 | 23°20 | 6°40 | 21°32 | 5°58 | 6°24 | 20°18 | 29°53 | S 23 |
| S 24 | 12 36 35 | 11° 4'19 | 1♊34 | 22°29 | 17°27 | 21°52 | 24°35 | 21°46 | 23°18 | 6°42 | 21°33 | 5°53 | 6°21 | 20°24 | 29°57 | S 24 |
| M25 | 12 40 31 | 12° 3'11 | 15°15 | 22°21 | 17°46 | 22°32 | 24°32 | 21°47 | 23°15 | 6°44 | 21°34 | 5°49 | 6°18 | 20°31 | 0♈ 0 | M25 |
| T 26 | 12 44 28 | 13° 2'00 | 28°28 | 22°D18 | 18° 3 | 23°12 | 24°29 | 21°49 | 23°13 | 6°46 | 21°35 | 5°48 | 6°15 | 20°38 | 0° 4 | T 26 |
| W27 | 12 48 24 | 14° 0'47 | 11♋14 | 22°20 | 18°18 | 23°53 | 24°26 | 21°50 | 23°10 | 6°48 | 21°36 | 5°48 | 6°12 | 20°45 | 0° 8 | W27 |
| T 28 | 12 52 21 | 14°59'32 | 23°40 | 22°28 | 18°31 | 24°33 | 24°23 | 21°51 | 23° 8 | 6°51 | 21°37 | 5°48 | 6° 9 | 20°51 | 0°11 | T 28 |
| F 29 | 12 56 17 | 15°58'14 | 5♌51 | 22°41 | 18°42 | 25°13 | 24°20 | 21°52 | 23° 5 | 6°53 | 21°39 | 5°46 | 6° 5 | 20°58 | 0°15 | F 29 |
| S 30 | 13 0 14 | 16°56'54 | 17°50 | 22°58 | 18°50 | 25°53 | 24°17 | 21°54 | 23° 3 | 6°55 | 21°40 | 5°43 | 6° 2 | 21° 5 | 0°18 | S 30 |
| S 31 | 13 4 11 | 17♈55'32 | 29♌43 | 23♓20 | 18♉56 | 26♉33 | 24♌15 | 21♋56 | 23♎ 0 | 6♉57 | 21♉41 | 5♋37 | 5♋59 | 21♍11 | 0♈22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s37 | 22n24 | 1n35 | 4n35 | 3n 4 | 16n16 | 3n49 | 14n 7 | 0n29 | 13n56 | 1n21 | 22n 8 | 0n25 | 8s50 | 0n36 | 11n52 | 1s47 | 5n24 | 13s 9 | 23n14 | 23n18 | 9n17 | 2n 2 | 2n51 |
| S 2 | 4 14 | 20 32 | 2 33 | 4 47 | 3 12 | 16 39 | 3 55 | 14 21 | 0 30 | 13 59 | 1 21 | 22 9 | 0 25 | 8 49 | 0 36 | 11 53 | 1 47 | 5 25 | 13 9 | 23 14 | 23 18 | 9 14 | 2 4 | 2 51 |
| S 3 | 3 50 | 17 48 | 3 23 | 4 54 | 3 19 | 17 1 | 4 2 | 14 35 | 0 31 | 14 1 | 1 21 | 22 9 | 0 25 | 8 49 | 0 36 | 11 54 | 1 47 | 5 25 | 13 9 | 23 14 | 23 18 | 9 12 | 2 5 | 2 51 |
| M 4 | 3 27 | 14 20 | 4 5 | 4 56 | 3 25 | 17 23 | 4 8 | 14 49 | 0 31 | 14 3 | 1 21 | 22 9 | 0 25 | 8 48 | 0 36 | 11 54 | 1 47 | 5 26 | 13 9 | 23 15 | 23 19 | 9 10 | 2 6 | 2 51 |
| T 5 | 3 3 | 10 19 | 4 36 | 4 55 | 3 29 | 17 45 | 4 14 | 15 3 | 0 32 | 14 5 | 1 21 | 22 10 | 0 25 | 8 47 | 0 36 | 11 55 | 1 47 | 5 26 | 13 8 | 23 16 | 23 19 | 9 7 | 2 8 | 2 51 |
| W 6 | 2 40 | 5 54 | 4 54 | 4 48 | 3 31 | 18 6 | 4 20 | 15 16 | 0 32 | 14 7 | 1 20 | 22 10 | 0 25 | 8 46 | 0 36 | 11 56 | 1 47 | 5 26 | 13 8 | 23 17 | 23 19 | 9 5 | 2 9 | 2 51 |
| T 7 | 2 16 | 1 15 | 5 0 | 4 38 | 3 32 | 18 26 | 4 26 | 15 30 | 0 33 | 14 10 | 1 20 | 22 10 | 0 25 | 8 46 | 0 36 | 11 56 | 1 47 | 5 27 | 13 8 | 23 17 | 23 19 | 9 2 | 2 10 | 2 50 |
| F 8 | 1 52 | 3s27 | 4 53 | 4 23 | 3 31 | 18 46 | 4 32 | 15 43 | 0 34 | 14 12 | 1 20 | 22 10 | 0 25 | 8 45 | 0 36 | 11 57 | 1 47 | 5 27 | 13 8 | 23 18 | 23 19 | 9 0 | 2 12 | 2 50 |
| S 9 | 1 29 | 8 5 | 4 32 | 4 5 | 3 28 | 19 6 | 4 38 | 15 56 | 0 34 | 14 14 | 1 20 | 22 10 | 0 26 | 8 44 | 0 36 | 11 57 | 1 47 | 5 28 | 13 7 | 23 19 | 23 20 | 8 58 | 2 13 | 2 50 |
| S 10 | 1 5 | 12 26 | 4 0 | 3 43 | 3 24 | 19 25 | 4 44 | 16 10 | 0 35 | 14 15 | 1 20 | 22 11 | 0 26 | 8 43 | 0 36 | 11 58 | 1 47 | 5 28 | 13 7 | 23 19 | 23 20 | 8 55 | 2 15 | 2 50 |
| M11 | 0 41 | 16 21 | 3 15 | 3 19 | 3 17 | 19 43 | 4 50 | 16 23 | 0 35 | 14 17 | 1 20 | 22 11 | 0 26 | 8 42 | 0 36 | 11 59 | 1 47 | 5 29 | 13 7 | 23 20 | 23 20 | 8 53 | 2 16 | 2 50 |
| T 12 | 0 18 | 19 37 | 2 21 | 2 52 | 3 9 | 20 1 | 4 56 | 16 35 | 0 36 | 14 19 | 1 20 | 22 11 | 0 26 | 8 42 | 0 36 | 11 59 | 1 47 | 5 29 | 13 7 | 23 20 | 23 20 | 8 51 | 2 17 | 2 50 |
| W13 | 0n 6 | 22 0 | 1 18 | 2 23 | 3 0 | 20 18 | 5 2 | 16 48 | 0 36 | 14 21 | 1 20 | 22 11 | 0 26 | 8 41 | 0 36 | 12 0 | 1 47 | 5 30 | 13 6 | 23 20 | 23 20 | 8 48 | 2 19 | 2 50 |
| T 14 | 0 29 | 23 16 | 0 9 | 1 52 | 2 49 | 20 35 | 5 7 | 17 1 | 0 37 | 14 23 | 1 20 | 22 11 | 0 26 | 8 40 | 0 36 | 12 1 | 1 47 | 5 30 | 13 6 | 23 20 | 23 20 | 8 46 | 2 20 | 2 50 |
| F 15 | 0 53 | 23 13 | 1s 2 | 1 21 | 2 36 | 20 51 | 5 13 | 17 13 | 0 37 | 14 24 | 1 20 | 22 11 | 0 26 | 8 39 | 0 36 | 12 1 | 1 47 | 5 30 | 13 6 | 23 20 | 23 21 | 8 43 | 2 22 | 2 50 |
| S 16 | 1 17 | 21 44 | 2 12 | 0 49 | 2 23 | 21 7 | 5 18 | 17 25 | 0 38 | 14 26 | 1 20 | 22 11 | 0 26 | 8 38 | 0 36 | 12 2 | 1 47 | 5 31 | 13 6 | 23 20 | 23 21 | 8 41 | 2 23 | 2 50 |
| S 17 | 1 40 | 18 49 | 3 15 | 0 18 | 2 8 | 21 22 | 5 24 | 17 37 | 0 39 | 14 27 | 1 20 | 22 11 | 0 26 | 8 37 | 0 36 | 12 3 | 1 46 | 5 31 | 13 5 | 23 20 | 23 21 | 8 38 | 2 24 | 2 50 |
| M18 | 2 4 | 14 37 | 4 7 | 0s13 | 1 53 | 21 36 | 5 29 | 17 49 | 0 39 | 14 29 | 1 19 | 22 11 | 0 26 | 8 36 | 0 36 | 12 3 | 1 46 | 5 32 | 13 5 | 23 21 | 23 21 | 8 36 | 2 26 | 2 50 |
| T 19 | 2 27 | 9 25 | 4 43 | 0 42 | 1 38 | 21 49 | 5 34 | 18 1 | 0 40 | 14 30 | 1 19 | 22 11 | 0 26 | 8 36 | 0 36 | 12 4 | 1 46 | 5 32 | 13 5 | 23 21 | 23 21 | 8 34 | 2 27 | 2 50 |
| W20 | 2 51 | 3 36 | 4 59 | 1 11 | 1 22 | 22 2 | 5 38 | 18 13 | 0 40 | 14 32 | 1 19 | 22 11 | 0 26 | 8 35 | 0 36 | 12 5 | 1 46 | 5 33 | 13 5 | 23 22 | 23 21 | 8 31 | 2 29 | 2 50 |
| T 21 | 3 14 | 2n26 | 4 54 | 1 37 | 1 6 | 22 14 | 5 43 | 18 24 | 0 41 | 14 33 | 1 19 | 22 11 | 0 26 | 8 34 | 0 36 | 12 5 | 1 46 | 5 33 | 13 4 | 23 22 | 23 21 | 8 29 | 2 30 | 2 50 |
| F 22 | 3 37 | 8 15 | 4 29 | 2 1 | 0 50 | 22 26 | 5 47 | 18 36 | 0 41 | 14 34 | 1 19 | 22 11 | 0 26 | 8 33 | 0 36 | 12 6 | 1 46 | 5 34 | 13 4 | 23 23 | 23 22 | 8 26 | 2 31 | 2 50 |
| S 23 | 4 1 | 13 28 | 3 46 | 2 23 | 0 34 | 22 37 | 5 52 | 18 47 | 0 42 | 14 35 | 1 19 | 22 11 | 0 26 | 8 32 | 0 36 | 12 7 | 1 46 | 5 34 | 13 4 | 23 23 | 23 22 | 8 24 | 2 33 | 2 50 |
| S 24 | 4 24 | 17 46 | 2 50 | 2 43 | 0 18 | 22 46 | 5 56 | 18 58 | 0 42 | 14 36 | 1 19 | 22 11 | 0 26 | 8 31 | 0 36 | 12 7 | 1 46 | 5 35 | 13 4 | 23 23 | 23 22 | 8 21 | 2 34 | 2 50 |
| M25 | 4 47 | 20 56 | 1 46 | 3 0 | 0 3 | 22 56 | 5 59 | 19 9 | 0 43 | 14 37 | 1 19 | 22 11 | 0 26 | 8 30 | 0 36 | 12 8 | 1 46 | 5 35 | 13 4 | 23 23 | 23 22 | 8 19 | 2 36 | 2 50 |
| T 26 | 5 10 | 22 52 | 0 39 | 3 15 | 0s12 | 23 4 | 6 3 | 19 20 | 0 43 | 14 38 | 1 19 | 22 11 | 0 26 | 8 29 | 0 36 | 12 9 | 1 46 | 5 36 | 13 3 | 23 23 | 23 22 | 8 17 | 2 37 | 2 49 |
| W27 | 5 33 | 23 31 | 0n29 | 3 27 | 0 27 | 23 11 | 6 6 | 19 30 | 0 43 | 14 39 | 1 18 | 22 11 | 0 26 | 8 28 | 0 36 | 12 10 | 1 46 | 5 36 | 13 3 | 23 23 | 23 22 | 8 14 | 2 38 | 2 49 |
| T 28 | 5 56 | 22 58 | 1 33 | 3 37 | 0 40 | 23 18 | 6 9 | 19 41 | 0 44 | 14 40 | 1 18 | 22 11 | 0 26 | 8 27 | 0 36 | 12 10 | 1 46 | 5 36 | 13 3 | 23 23 | 23 23 | 8 12 | 2 40 | 2 49 |
| F 29 | 6 18 | 21 19 | 2 32 | 3 44 | 0 53 | 23 23 | 6 12 | 19 51 | 0 44 | 14 41 | 1 18 | 22 10 | 0 27 | 8 26 | 0 36 | 12 11 | 1 46 | 5 37 | 13 3 | 23 24 | 23 23 | 8 9 | 2 41 | 2 49 |
| S 30 | 6 41 | 18 45 | 3 23 | 3 48 | 1 6 | 23 28 | 6 14 | 20 1 | 0 45 | 14 42 | 1 18 | 22 10 | 0 27 | 8 25 | 0 36 | 12 12 | 1 46 | 5 37 | 13 3 | 23 24 | 23 23 | 8 7 | 2 43 | 2 49 |
| S 31 | 7n 3 | 15n25 | 4n 4 | 3s51 | 1s18 | 23n31 | 6n16 | 20n11 | 0n45 | 14n42 | 1n18 | 22n10 | 0n27 | 8s25 | 0n36 | 12n12 | 1s46 | 5n38 | 13s 2 | 23n24 | 23n23 | 8n 4 | 2n44 | 2n49 |

Julian Day Number = 2227718.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'30, Lahiri = 15°18'30 Julian Calendar 1 March 1387 == Greg. Calendar 9 March 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## APRIL 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 8 7 | 18♈54'07 | 11♍34 | 23♓47 | 19♉ 0 | 27♉13 | 24°R13 | 21♋57 | 22°R58 | 6♉59 | 21♉42 | 5°R28 | 5♋56 | 21♍18 | 0♈25 | M 1 |
| T 2 | 13 12 4 | 19°52'41 | 23°25 | 24°18 | 19°R 2 | 27°53 | 24♌11 | 21°59 | 22♎55 | 7° 1 | 21°43 | 5♋16 | 5°53 | 21°25 | 0°29 | T 2 |
| W 3 | 13 16 0 | 20°51'12 | 5♎19 | 24°53 | 19° 1 | 28°34 | 24° 9 | 22° 1 | 22°53 | 7° 3 | 21°44 | 5° 3 | 5°50 | 21°32 | 0°32 | W 3 |
| T 4 | 13 19 57 | 21°49'41 | 17°19 | 25°32 | 18°58 | 29°14 | 24° 7 | 22° 3 | 22°50 | 7° 6 | 21°46 | 4°50 | 5°46 | 21°38 | 0°36 | T 4 |
| F 5 | 13 23 53 | 22°48'09 | 29°24 | 26°15 | 18°52 | 29°54 | 24° 6 | 22° 5 | 22°48 | 7° 8 | 21°47 | 4°37 | 5°43 | 21°45 | 0°39 | F 5 |
| S 6 | 13 27 50 | 23°46'34 | 11♏36 | 27° 1 | 18°44 | 0♊33 | 24° 4 | 22° 7 | 22°45 | 7°10 | 21°48 | 4°26 | 5°40 | 21°52 | 0°43 | S 6 |
| S 7 | 13 31 46 | 24°44'58 | 23°57 | 27°51 | 18°33 | 1°13 | 24° 3 | 22°10 | 22°43 | 7°12 | 21°49 | 4°18 | 5°37 | 21°58 | 0°46 | S 7 |
| M 8 | 13 35 43 | 25°43'20 | 6♐27 | 28°44 | 18°20 | 1°53 | 24° 2 | 22°12 | 22°40 | 7°14 | 21°50 | 4°12 | 5°34 | 22° 5 | 0°49 | M 8 |
| T 9 | 13 39 39 | 26°41'41 | 19° 8 | 29°40 | 18° 5 | 2°33 | 24° 2 | 22°15 | 22°37 | 7°17 | 21°52 | 4° 9 | 5°30 | 22°12 | 0°53 | T 9 |
| W10 | 13 43 36 | 27°40'00 | 2♑ 3 | 0♈39 | 17°47 | 3°13 | 24° 1 | 22°17 | 22°35 | 7°19 | 21°53 | 4°D 8 | 5°27 | 22°19 | 0°56 | W10 |
| T 11 | 13 47 33 | 28°38'17 | 15°14 | 1°41 | 17°27 | 3°53 | 24° 1 | 22°20 | 22°32 | 7°21 | 21°54 | 4° 8 | 5°24 | 22°25 | 0°59 | T 11 |
| F 12 | 13 51 29 | 29°36'33 | 28°43 | 2°46 | 17° 4 | 4°33 | 24°D 1 | 22°23 | 22°30 | 7°23 | 21°55 | 4°R 8 | 5°21 | 22°32 | 1° 3 | F 12 |
| S 13 | 13 55 26 | 0♉34'47 | 12♒34 | 3°54 | 16°39 | 5°12 | 24° 1 | 22°26 | 22°27 | 7°26 | 21°57 | 4° 8 | 5°18 | 22°39 | 1° 6 | S 13 |
| S 14 | 13 59 22 | 1°32'59 | 26°46 | 5° 4 | 16°13 | 5°52 | 24° 1 | 22°29 | 22°25 | 7°28 | 21°58 | 4° 5 | 5°15 | 22°45 | 1° 9 | S 14 |
| M15 | 14 3 19 | 2°31'11 | 11♓19 | 6°16 | 15°44 | 6°32 | 24° 1 | 22°32 | 22°22 | 7°30 | 21°59 | 4° 0 | 5°11 | 22°52 | 1°13 | M15 |
| T 16 | 14 7 15 | 3°29'20 | 26° 8 | 7°31 | 15°14 | 7°11 | 24° 2 | 22°35 | 22°20 | 7°32 | 22° 1 | 3°54 | 5° 8 | 22°59 | 1°16 | T 16 |
| W17 | 14 11 12 | 4°27'28 | 11♈ 6 | 8°48 | 14°42 | 7°51 | 24° 2 | 22°39 | 22°17 | 7°35 | 22° 2 | 3°45 | 5° 5 | 23° 6 | 1°19 | W17 |
| T 18 | 14 15 8 | 5°25'35 | 26° 6 | 10° 8 | 14° 8 | 8°31 | 24° 3 | 22°42 | 22°15 | 7°37 | 22° 3 | 3°36 | 5° 2 | 23°12 | 1°22 | T 18 |
| F 19 | 14 19 5 | 6°23'40 | 10♉56 | 11°30 | 13°33 | 9°10 | 24° 4 | 22°45 | 22°12 | 7°39 | 22° 4 | 3°28 | 4°59 | 23°19 | 1°25 | F 19 |
| S 20 | 14 23 2 | 7°21'43 | 25°30 | 12°54 | 12°57 | 9°50 | 24° 6 | 22°49 | 22°10 | 7°41 | 22° 6 | 3°21 | 4°55 | 23°26 | 1°28 | S 20 |
| S 21 | 14 26 58 | 8°19'44 | 9♊41 | 14°20 | 12°21 | 10°29 | 24° 7 | 22°53 | 22° 7 | 7°44 | 22° 7 | 3°16 | 4°52 | 23°32 | 1°31 | S 21 |
| M22 | 14 30 55 | 9°17'44 | 23°24 | 15°48 | 11°43 | 11° 9 | 24° 9 | 22°57 | 22° 5 | 7°46 | 22° 8 | 3°14 | 4°49 | 23°39 | 1°34 | M22 |
| T 23 | 14 34 51 | 10°15'42 | 6♋41 | 17°18 | 11° 6 | 11°49 | 24°11 | 23° 0 | 22° 3 | 7°48 | 22°10 | 3°D14 | 4°46 | 23°46 | 1°38 | T 23 |
| W24 | 14 38 48 | 11°13'38 | 19°33 | 18°51 | 10°28 | 12°28 | 24°13 | 23° 4 | 22° 0 | 7°50 | 22°11 | 3°14 | 4°43 | 23°53 | 1°41 | W24 |
| T 25 | 14 42 44 | 12°11'33 | 2♌ 3 | 20°26 | 9°50 | 13° 7 | 24°15 | 23° 8 | 21°58 | 7°53 | 22°12 | 3°16 | 4°40 | 23°59 | 1°43 | T 25 |
| F 26 | 14 46 41 | 13° 9'25 | 14°16 | 22° 2 | 9°13 | 13°47 | 24°17 | 23°13 | 21°56 | 7°55 | 22°14 | 3°R16 | 4°36 | 24° 6 | 1°46 | F 26 |
| S 27 | 14 50 38 | 14° 7'16 | 26°17 | 23°41 | 8°36 | 14°26 | 24°20 | 23°17 | 21°53 | 7°57 | 22°15 | 3°15 | 4°33 | 24°13 | 1°49 | S 27 |
| S 28 | 14 54 34 | 15° 5'05 | 8♍11 | 25°22 | 8° 0 | 15° 6 | 24°23 | 23°21 | 21°51 | 7°59 | 22°16 | 3°12 | 4°30 | 24°20 | 1°52 | S 28 |
| M29 | 14 58 31 | 16° 2'52 | 20° 2 | 27° 5 | 7°25 | 15°45 | 24°25 | 23°26 | 21°49 | 8° 2 | 22°18 | 3° 8 | 4°27 | 24°26 | 1°55 | M29 |
| T 30 | 15 2 27 | 17♉ 0'37 | 1♎56 | 28♈49 | 6♉52 | 16♊24 | 24♌28 | 23♋30 | 21♎47 | 8♉ 4 | 22♉19 | 3♋ 1 | 4♋24 | 24♍33 | 1♈58 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n26 | 11n29 | 4n35 | 3s50 | 1s29 | 23n34 | 6n17 | 20n21 | 0n46 | 14n43 | 1n18 | 22n10 | 0n27 | 8s24 | 0n36 | 12n13 | 1s46 | 5n38 | 13s 2 | 23n24 | 23n23 | 8n 2 | 2n45 | 2n49 |
| T 2 | 7 48 | 7 7 | 4 54 | 3 47 | 1 39 | 23 35 | 6 18 | 20 30 | 0 46 | 14 43 | 1 18 | 22 9 | 0 27 | 8 23 | 0 36 | 12 14 | 1 46 | 5 39 | 13 2 | 23 25 | 23 23 | 7 59 | 2 47 | 2 49 |
| W 3 | 8 10 | 2 28 | 5 0 | 3 42 | 1 49 | 23 36 | 6 19 | 20 40 | 0 47 | 14 44 | 1 17 | 22 9 | 0 27 | 8 22 | 0 36 | 12 15 | 1 46 | 5 39 | 13 2 | 23 25 | 23 23 | 7 57 | 2 48 | 2 49 |
| T 4 | 8 32 | 2s18 | 4 54 | 3 35 | 1 58 | 23 35 | 6 19 | 20 49 | 0 47 | 14 44 | 1 17 | 22 9 | 0 27 | 8 21 | 0 36 | 12 15 | 1 46 | 5 40 | 13 2 | 23 26 | 23 24 | 7 54 | 2 49 | 2 49 |
| F 5 | 8 54 | 7 2 | 4 33 | 3 26 | 2 7 | 23 33 | 6 19 | 20 58 | 0 48 | 14 45 | 1 17 | 22 9 | 0 27 | 8 20 | 0 36 | 12 16 | 1 46 | 5 40 | 13 2 | 23 26 | 23 24 | 7 52 | 2 51 | 2 49 |
| S 6 | 9 15 | 11 33 | 4 1 | 3 14 | 2 14 | 23 30 | 6 18 | 21 7 | 0 48 | 14 45 | 1 17 | 22 8 | 0 27 | 8 19 | 0 36 | 12 17 | 1 46 | 5 41 | 13 1 | 23 27 | 23 24 | 7 50 | 2 52 | 2 49 |
| S 7 | 9 37 | 15 39 | 3 16 | 3 1 | 2 21 | 23 26 | 6 17 | 21 16 | 0 48 | 14 45 | 1 17 | 22 8 | 0 27 | 8 18 | 0 36 | 12 18 | 1 46 | 5 41 | 13 1 | 23 27 | 23 24 | 7 47 | 2 54 | 2 49 |
| M 8 | 9 58 | 19 8 | 2 21 | 2 45 | 2 27 | 23 20 | 6 15 | 21 24 | 0 49 | 14 45 | 1 17 | 22 8 | 0 27 | 8 17 | 0 36 | 12 18 | 1 46 | 5 41 | 13 1 | 23 27 | 23 24 | 7 45 | 2 55 | 2 49 |
| T 9 | 10 20 | 21 46 | 1 19 | 2 28 | 2 33 | 23 13 | 6 12 | 21 33 | 0 49 | 14 46 | 1 17 | 22 7 | 0 27 | 8 16 | 0 36 | 12 19 | 1 46 | 5 42 | 13 1 | 23 27 | 23 24 | 7 42 | 2 56 | 2 49 |
| W10 | 10 41 | 23 19 | 0 11 | 2 9 | 2 38 | 23 5 | 6 9 | 21 41 | 0 50 | 14 46 | 1 16 | 22 7 | 0 27 | 8 15 | 0 36 | 12 20 | 1 46 | 5 42 | 13 1 | 23 27 | 23 24 | 7 40 | 2 58 | 2 49 |
| T 11 | 11 2 | 23 37 | 0s59 | 1 48 | 2 42 | 22 55 | 6 5 | 21 49 | 0 50 | 14 46 | 1 16 | 22 6 | 0 27 | 8 14 | 0 36 | 12 20 | 1 46 | 5 43 | 13 1 | 23 27 | 23 24 | 7 37 | 2 59 | 2 49 |
| F 12 | 11 22 | 22 33 | 2 7 | 1 26 | 2 46 | 22 44 | 6 0 | 21 57 | 0 50 | 14 45 | 1 16 | 22 6 | 0 27 | 8 13 | 0 36 | 12 21 | 1 46 | 5 43 | 13 1 | 23 27 | 23 25 | 7 35 | 3 0 | 2 49 |
| S 13 | 11 43 | 20 7 | 3 10 | 1 2 | 2 49 | 22 32 | 5 55 | 22 4 | 0 51 | 14 45 | 1 16 | 22 6 | 0 27 | 8 12 | 0 36 | 12 22 | 1 46 | 5 44 | 13 0 | 23 27 | 23 25 | 7 32 | 3 2 | 2 49 |
| S 14 | 12 3 | 16 25 | 4 2 | 0 36 | 2 51 | 22 18 | 5 49 | 22 12 | 0 51 | 14 45 | 1 16 | 22 5 | 0 27 | 8 11 | 0 36 | 12 23 | 1 46 | 5 44 | 13 0 | 23 27 | 23 25 | 7 30 | 3 3 | 2 49 |
| M15 | 12 23 | 11 40 | 4 41 | 0 9 | 2 53 | 22 4 | 5 43 | 22 19 | 0 51 | 14 45 | 1 16 | 22 5 | 0 27 | 8 10 | 0 36 | 12 23 | 1 46 | 5 44 | 13 0 | 23 27 | 23 25 | 7 27 | 3 4 | 2 49 |
| T 16 | 12 43 | 6 9 | 5 1 | 0n20 | 2 54 | 21 48 | 5 35 | 22 26 | 0 52 | 14 44 | 1 15 | 22 4 | 0 27 | 8 10 | 0 36 | 12 24 | 1 46 | 5 45 | 13 0 | 23 28 | 23 25 | 7 25 | 3 5 | 2 49 |
| W17 | 13 3 | 0 13 | 5 2 | 0 50 | 2 54 | 21 30 | 5 27 | 22 33 | 0 52 | 14 44 | 1 15 | 22 4 | 0 27 | 8 9 | 0 36 | 12 25 | 1 46 | 5 45 | 13 0 | 23 28 | 23 25 | 7 22 | 3 7 | 2 49 |
| T 18 | 13 22 | 5n44 | 4 41 | 1 22 | 2 54 | 21 12 | 5 19 | 22 40 | 0 53 | 14 44 | 1 15 | 22 3 | 0 27 | 8 8 | 0 36 | 12 26 | 1 46 | 5 46 | 13 0 | 23 28 | 23 25 | 7 20 | 3 8 | 2 49 |
| F 19 | 13 42 | 11 19 | 4 2 | 1 54 | 2 53 | 20 52 | 5 9 | 22 46 | 0 53 | 14 43 | 1 15 | 22 3 | 0 28 | 8 7 | 0 36 | 12 26 | 1 46 | 5 46 | 13 0 | 23 28 | 23 25 | 7 17 | 3 9 | 2 49 |
| S 20 | 14 1 | 16 10 | 3 8 | 2 28 | 2 52 | 20 32 | 4 59 | 22 53 | 0 53 | 14 42 | 1 15 | 22 2 | 0 28 | 8 6 | 0 36 | 12 27 | 1 46 | 5 47 | 13 0 | 23 29 | 23 26 | 7 15 | 3 11 | 2 49 |
| S 21 | 14 20 | 19 57 | 2 3 | 3 4 | 2 50 | 20 10 | 4 49 | 22 59 | 0 54 | 14 42 | 1 15 | 22 1 | 0 28 | 8 5 | 0 36 | 12 28 | 1 46 | 5 47 | 12 59 | 23 29 | 23 26 | 7 12 | 3 12 | 2 49 |
| M22 | 14 38 | 22 29 | 0 52 | 3 40 | 2 47 | 19 48 | 4 38 | 23 5 | 0 54 | 14 41 | 1 14 | 22 1 | 0 28 | 8 4 | 0 36 | 12 29 | 1 46 | 5 47 | 12 59 | 23 29 | 23 26 | 7 10 | 3 13 | 2 49 |
| T 23 | 14 57 | 23 40 | 0n19 | 4 17 | 2 44 | 19 25 | 4 26 | 23 10 | 0 54 | 14 40 | 1 14 | 22 0 | 0 28 | 8 3 | 0 36 | 12 29 | 1 46 | 5 48 | 12 59 | 23 29 | 23 26 | 7 7 | 3 14 | 2 49 |
| W24 | 15 15 | 23 31 | 1 27 | 4 56 | 2 40 | 19 1 | 4 14 | 23 16 | 0 55 | 14 40 | 1 14 | 22 0 | 0 28 | 8 2 | 0 36 | 12 30 | 1 46 | 5 48 | 12 59 | 23 29 | 23 26 | 7 5 | 3 16 | 2 49 |
| T 25 | 15 33 | 22 11 | 2 29 | 5 36 | 2 36 | 18 37 | 4 1 | 23 21 | 0 55 | 14 39 | 1 14 | 21 59 | 0 28 | 8 2 | 0 36 | 12 31 | 1 46 | 5 49 | 12 59 | 23 29 | 23 26 | 7 2 | 3 17 | 2 50 |
| F 26 | 15 50 | 19 50 | 3 22 | 6 16 | 2 31 | 18 12 | 3 48 | 23 27 | 0 55 | 14 38 | 1 14 | 21 58 | 0 28 | 8 1 | 0 36 | 12 31 | 1 46 | 5 49 | 12 59 | 23 29 | 23 26 | 6 59 | 3 18 | 2 50 |
| S 27 | 16 8 | 16 39 | 4 6 | 6 58 | 2 26 | 17 48 | 3 34 | 23 32 | 0 56 | 14 37 | 1 14 | 21 58 | 0 28 | 8 0 | 0 36 | 12 32 | 1 46 | 5 49 | 12 59 | 23 29 | 23 26 | 6 57 | 3 19 | 2 50 |
| S 28 | 16 25 | 12 50 | 4 39 | 7 40 | 2 20 | 17 23 | 3 20 | 23 36 | 0 56 | 14 36 | 1 13 | 21 57 | 0 28 | 7 59 | 0 36 | 12 33 | 1 46 | 5 50 | 12 59 | 23 29 | 23 27 | 6 54 | 3 20 | 2 50 |
| M29 | 16 42 | 8 33 | 5 0 | 8 23 | 2 14 | 16 58 | 3 6 | 23 41 | 0 56 | 14 34 | 1 13 | 21 56 | 0 28 | 7 58 | 0 36 | 12 34 | 1 46 | 5 50 | 12 59 | 23 29 | 23 27 | 6 52 | 3 21 | 2 50 |
| T 30 | 16n58 | 3n56 | 5n 7 | 9n 7 | 2s 7 | 16n34 | 2n52 | 23n46 | 0n56 | 14n33 | 1n13 | 21n56 | 0n28 | 7s57 | 0n36 | 12n34 | 1s46 | 5n51 | 12s59 | 23n29 | 23n27 | 6n49 | 3n23 | 2n50 |

Julian Day Number = 2227749.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'34, Lahiri = 15°18'35 Julian Calendar 1 Apr. 1387 == Greg. Calendar 9 Apr. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## MAY 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 6 24 | 17♉58'21 | 13♎53 | 0♉36 | 6°R20 | 17♊ 4 | 24♌32 | 23♋35 | 21°R44 | 8♉ 6 | 22♉20 | 2°R53 | 4♋21 | 24♍40 | 2♈ 1 | W 1 |
| T 2 | 15 10 20 | 18°56'03 | 25°59 | 2°25 | 5♉49 | 17°43 | 24°35 | 23°39 | 21♎42 | 8° 8 | 22°22 | 2♋45 | 4°17 | 24°46 | 2° 3 | T 2 |
| F 3 | 15 14 17 | 19°53'44 | 8♏13 | 4°16 | 5°21 | 18°22 | 24°39 | 23°44 | 21°40 | 8°11 | 22°23 | 2°37 | 4°14 | 24°53 | 2° 6 | F 3 |
| S 4 | 15 18 13 | 20°51'24 | 20°38 | 6°10 | 4°54 | 19° 1 | 24°42 | 23°49 | 21°38 | 8°13 | 22°25 | 2°31 | 4°11 | 25° 0 | 2° 9 | S 4 |
| S 5 | 15 22 10 | 21°49'02 | 3♐14 | 8° 5 | 4°29 | 19°40 | 24°46 | 23°54 | 21°36 | 8°15 | 22°26 | 2°26 | 4° 8 | 25° 7 | 2°11 | S 5 |
| M 6 | 15 26 6 | 22°46'39 | 16° 2 | 10° 2 | 4° 7 | 20°20 | 24°50 | 23°58 | 21°34 | 8°17 | 22°27 | 2°23 | 4° 5 | 25°13 | 2°14 | M 6 |
| T 7 | 15 30 3 | 23°44'15 | 29° 1 | 12° 1 | 3°47 | 20°59 | 24°54 | 24° 3 | 21°32 | 8°19 | 22°29 | 2°D21 | 4° 1 | 25°20 | 2°17 | T 7 |
| W 8 | 15 34 0 | 24°41'49 | 12♑13 | 14° 2 | 3°29 | 21°38 | 24°59 | 24° 9 | 21°30 | 8°22 | 22°30 | 2°22 | 3°58 | 25°27 | 2°19 | W 8 |
| T 9 | 15 37 56 | 25°39'23 | 25°38 | 16° 5 | 3°13 | 22°17 | 25° 3 | 24°14 | 21°28 | 8°24 | 22°31 | 2°23 | 3°55 | 25°33 | 2°22 | T 9 |
| F 10 | 15 41 53 | 26°36'56 | 9♒16 | 18° 9 | 3° 0 | 22°56 | 25° 8 | 24°19 | 21°26 | 8°26 | 22°33 | 2°24 | 3°52 | 25°40 | 2°24 | F 10 |
| S 11 | 15 45 49 | 27°34'28 | 23° 9 | 20°16 | 2°50 | 23°35 | 25°13 | 24°24 | 21°24 | 8°28 | 22°34 | 2°R25 | 3°49 | 25°47 | 2°26 | S 11 |
| S 12 | 15 49 46 | 28°31'59 | 7♓15 | 22°23 | 2°41 | 24°14 | 25°18 | 24°30 | 21°22 | 8°30 | 22°35 | 2°25 | 3°46 | 25°54 | 2°29 | S 12 |
| M13 | 15 53 42 | 29°29'29 | 21°35 | 24°32 | 2°36 | 24°53 | 25°23 | 24°35 | 21°20 | 8°32 | 22°37 | 2°23 | 3°42 | 26° 0 | 2°31 | M13 |
| T 14 | 15 57 39 | 0♊26'59 | 6♈ 3 | 26°42 | 2°32 | 25°32 | 25°28 | 24°41 | 21°18 | 8°34 | 22°38 | 2°20 | 3°39 | 26° 7 | 2°33 | T 14 |
| W15 | 16 1 35 | 1°24'27 | 20°38 | 28°53 | 2°D31 | 26°11 | 25°34 | 24°46 | 21°17 | 8°37 | 22°39 | 2°17 | 3°36 | 26°14 | 2°36 | W15 |
| T 16 | 16 5 32 | 2°21'55 | 5♉11 | 1♊ 5 | 2°33 | 26°50 | 25°39 | 24°52 | 21°15 | 8°39 | 22°41 | 2°12 | 3°33 | 26°21 | 2°38 | T 16 |
| F 17 | 16 9 29 | 3°19'22 | 19°39 | 3°17 | 2°36 | 27°29 | 25°45 | 24°58 | 21°13 | 8°41 | 22°42 | 2° 8 | 3°30 | 26°27 | 2°40 | F 17 |
| S 18 | 16 13 25 | 4°16'49 | 3♊53 | 5°29 | 2°42 | 28° 8 | 25°51 | 25° 3 | 21°11 | 8°43 | 22°43 | 2° 5 | 3°27 | 26°34 | 2°42 | S 18 |
| S 19 | 16 17 22 | 5°14'14 | 17°50 | 7°41 | 2°50 | 28°47 | 25°57 | 25° 9 | 21°10 | 8°45 | 22°45 | 2° 3 | 3°23 | 26°41 | 2°44 | S 19 |
| M20 | 16 21 18 | 6°11'38 | 1♋25 | 9°52 | 3° 0 | 29°26 | 26° 3 | 25°15 | 21° 8 | 8°47 | 22°46 | 2°D 2 | 3°20 | 26°47 | 2°46 | M20 |
| T 21 | 16 25 15 | 7° 9'02 | 14°38 | 12° 3 | 3°13 | 0♋ 5 | 26°10 | 25°21 | 21° 7 | 8°49 | 22°47 | 2° 3 | 3°17 | 26°54 | 2°48 | T 21 |
| W22 | 16 29 11 | 8° 6'24 | 27°30 | 14°12 | 3°27 | 0°44 | 26°16 | 25°27 | 21° 5 | 8°51 | 22°49 | 2° 4 | 3°14 | 27° 1 | 2°50 | W22 |
| T 23 | 16 33 8 | 9° 3'45 | 10♌ 1 | 16°21 | 3°43 | 1°22 | 26°23 | 25°33 | 21° 4 | 8°53 | 22°50 | 2° 6 | 3°11 | 27° 8 | 2°52 | T 23 |
| F 24 | 16 37 5 | 10° 1'06 | 22°17 | 18°28 | 4° 1 | 2° 1 | 26°29 | 25°39 | 21° 2 | 8°55 | 22°51 | 2° 7 | 3° 7 | 27°14 | 2°54 | F 24 |
| S 25 | 16 41 1 | 10°58'25 | 4♍20 | 20°34 | 4°21 | 2°40 | 26°36 | 25°46 | 21° 1 | 8°57 | 22°53 | 2° 8 | 3° 4 | 27°21 | 2°56 | S 25 |
| S 26 | 16 44 58 | 11°55'43 | 16°16 | 22°38 | 4°43 | 3°19 | 26°43 | 25°52 | 21° 0 | 8°59 | 22°54 | 2°R 8 | 3° 1 | 27°28 | 2°57 | S 26 |
| M27 | 16 48 54 | 12°53'00 | 28°10 | 24°40 | 5° 6 | 3°57 | 26°50 | 25°58 | 20°59 | 9° 1 | 22°55 | 2° 7 | 2°58 | 27°35 | 2°59 | M27 |
| T 28 | 16 52 51 | 13°50'17 | 10♎ 4 | 26°40 | 5°31 | 4°36 | 26°58 | 26° 5 | 20°57 | 9° 3 | 22°57 | 2° 6 | 2°55 | 27°41 | 3° 1 | T 28 |
| W29 | 16 56 47 | 14°47'32 | 22° 5 | 28°37 | 5°58 | 5°15 | 27° 5 | 26°11 | 20°56 | 9° 5 | 22°58 | 2° 4 | 2°52 | 27°48 | 3° 2 | W29 |
| T 30 | 17 0 44 | 15°44'47 | 4♏15 | 0♋33 | 6°26 | 5°54 | 27°12 | 26°17 | 20°55 | 9° 7 | 22°59 | 2° 1 | 2°48 | 27°55 | 3° 4 | T 30 |
| F 31 | 17 4 40 | 16♊42'01 | 16♏38 | 2♋27 | 6♉56 | 6♋32 | 27♌20 | 26♋24 | 20♎54 | 9♉ 9 | 23♉ 0 | 1♋59 | 2♋45 | 28♍ 1 | 3♈ 6 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n15 | 0s52 | 5n 2 | 9n51 | 2s 0 | 16n 9 | 2n38 | 23n50 | 0n57 | 14n32 | 1n13 | 21n55 | 0n28 | 7s57 | 0n36 | 12n35 | 1s46 | 5n51 | 12s59 | 23n29 | 23n27 | 6n47 | 3n24 | 2n50 |
| T 2 | 17 31 | 5 40 | 4 43 | 10 36 | 1 52 | 15 46 | 2 24 | 23 54 | 0 57 | 14 31 | 1 13 | 21 54 | 0 28 | 7 56 | 0 36 | 12 36 | 1 46 | 5 51 | 12 59 | 23 29 | 23 27 | 6 44 | 3 25 | 2 50 |
| F 3 | 17 46 | 10 20 | 4 11 | 11 21 | 1 44 | 15 23 | 2 9 | 23 58 | 0 57 | 14 29 | 1 13 | 21 53 | 0 28 | 7 55 | 0 36 | 12 36 | 1 46 | 5 52 | 12 59 | 23 30 | 23 27 | 6 42 | 3 26 | 2 50 |
| S 4 | 18 2 | 14 39 | 3 26 | 12 7 | 1 35 | 15 0 | 1 55 | 24 1 | 0 58 | 14 28 | 1 12 | 21 53 | 0 28 | 7 54 | 0 36 | 12 37 | 1 46 | 5 52 | 12 59 | 23 30 | 23 27 | 6 39 | 3 27 | 2 50 |
| S 5 | 18 17 | 18 24 | 2 31 | 12 53 | 1 26 | 14 38 | 1 41 | 24 5 | 0 58 | 14 27 | 1 12 | 21 52 | 0 28 | 7 53 | 0 36 | 12 38 | 1 46 | 5 52 | 12 59 | 23 30 | 23 27 | 6 37 | 3 28 | 2 50 |
| M 6 | 18 32 | 21 20 | 1 27 | 13 39 | 1 17 | 14 18 | 1 27 | 24 8 | 0 58 | 14 25 | 1 12 | 21 51 | 0 28 | 7 53 | 0 36 | 12 39 | 1 46 | 5 53 | 12 59 | 23 30 | 23 27 | 6 34 | 3 29 | 2 50 |
| T 7 | 18 46 | 23 13 | 0 18 | 14 25 | 1 7 | 13 58 | 1 13 | 24 11 | 0 59 | 14 24 | 1 12 | 21 50 | 0 28 | 7 52 | 0 36 | 12 39 | 1 46 | 5 53 | 12 59 | 23 30 | 23 27 | 6 31 | 3 30 | 2 50 |
| W 8 | 19 0 | 23 50 | 0s53 | 15 11 | 0 57 | 13 39 | 0 59 | 24 14 | 0 59 | 14 22 | 1 12 | 21 49 | 0 28 | 7 51 | 0 36 | 12 40 | 1 46 | 5 53 | 12 58 | 23 30 | 23 28 | 6 29 | 3 31 | 2 50 |
| T 9 | 19 14 | 23 6 | 2 3 | 15 57 | 0 47 | 13 21 | 0 46 | 24 17 | 0 59 | 14 20 | 1 12 | 21 48 | 0 28 | 7 50 | 0 36 | 12 41 | 1 46 | 5 54 | 12 58 | 23 30 | 23 28 | 6 26 | 3 32 | 2 50 |
| F 10 | 19 28 | 21 0 | 3 7 | 16 42 | 0 37 | 13 4 | 0 33 | 24 19 | 0 59 | 14 18 | 1 11 | 21 48 | 0 29 | 7 50 | 0 36 | 12 41 | 1 46 | 5 54 | 12 58 | 23 30 | 23 28 | 6 24 | 3 34 | 2 50 |
| S 11 | 19 41 | 17 39 | 4 2 | 17 27 | 0 26 | 12 48 | 0 20 | 24 21 | 1 0 | 14 17 | 1 11 | 21 47 | 0 29 | 7 49 | 0 36 | 12 42 | 1 46 | 5 54 | 12 58 | 23 30 | 23 28 | 6 21 | 3 35 | 2 50 |
| S 12 | 19 54 | 13 14 | 4 42 | 18 11 | 0 15 | 12 34 | 0 8 | 24 23 | 1 0 | 14 15 | 1 11 | 21 46 | 0 29 | 7 48 | 0 36 | 12 43 | 1 46 | 5 55 | 12 58 | 23 30 | 23 28 | 6 19 | 3 36 | 2 50 |
| M13 | 20 7 | 8 2 | 5 6 | 18 53 | 0 5 | 12 21 | 0s 5 | 24 25 | 1 0 | 14 13 | 1 11 | 21 45 | 0 29 | 7 48 | 0 36 | 12 43 | 1 46 | 5 55 | 12 58 | 23 30 | 23 28 | 6 16 | 3 37 | 2 50 |
| T 14 | 20 19 | 2 21 | 5 11 | 19 35 | 0n 6 | 12 8 | 0 16 | 24 27 | 1 0 | 14 11 | 1 11 | 21 44 | 0 29 | 7 47 | 0 36 | 12 44 | 1 46 | 5 55 | 12 58 | 23 30 | 23 28 | 6 14 | 3 37 | 2 50 |
| W15 | 20 31 | 3n30 | 4 56 | 20 15 | 0 16 | 11 57 | 0 28 | 24 28 | 1 1 | 14 9 | 1 11 | 21 43 | 0 29 | 7 46 | 0 36 | 12 45 | 1 46 | 5 56 | 12 58 | 23 30 | 23 28 | 6 11 | 3 38 | 2 51 |
| T 16 | 20 42 | 9 11 | 4 22 | 20 53 | 0 27 | 11 47 | 0 39 | 24 30 | 1 1 | 14 7 | 1 11 | 21 42 | 0 29 | 7 46 | 0 36 | 12 45 | 1 46 | 5 56 | 12 58 | 23 30 | 23 28 | 6 8 | 3 39 | 2 51 |
| F 17 | 20 53 | 14 19 | 3 31 | 21 29 | 0 37 | 11 39 | 0 49 | 24 31 | 1 1 | 14 5 | 1 10 | 21 41 | 0 29 | 7 45 | 0 36 | 12 46 | 1 46 | 5 56 | 12 58 | 23 30 | 23 28 | 6 6 | 3 40 | 2 51 |
| S 18 | 21 4 | 18 34 | 2 28 | 22 3 | 0 47 | 11 31 | 0 59 | 24 32 | 1 1 | 14 3 | 1 10 | 21 40 | 0 29 | 7 45 | 0 36 | 12 47 | 1 46 | 5 57 | 12 58 | 23 30 | 23 28 | 6 3 | 3 41 | 2 51 |
| S 19 | 21 15 | 21 41 | 1 17 | 22 35 | 0 56 | 11 25 | 1 9 | 24 32 | 1 1 | 14 1 | 1 10 | 21 39 | 0 29 | 7 44 | 0 36 | 12 47 | 1 46 | 5 57 | 12 58 | 23 30 | 23 28 | 6 1 | 3 42 | 2 51 |
| M20 | 21 25 | 23 27 | 0 3 | 23 4 | 1 5 | 11 19 | 1 19 | 24 33 | 1 2 | 13 58 | 1 10 | 21 38 | 0 29 | 7 43 | 0 36 | 12 48 | 1 46 | 5 57 | 12 59 | 23 30 | 23 29 | 5 58 | 3 43 | 2 51 |
| T 21 | 21 35 | 23 51 | 1n 9 | 23 31 | 1 13 | 11 15 | 1 28 | 24 33 | 1 2 | 13 56 | 1 10 | 21 37 | 0 29 | 7 43 | 0 36 | 12 48 | 1 46 | 5 58 | 12 59 | 23 30 | 23 29 | 5 55 | 3 44 | 2 51 |
| W22 | 21 44 | 22 56 | 2 15 | 23 55 | 1 21 | 11 12 | 1 36 | 24 33 | 1 2 | 13 54 | 1 10 | 21 36 | 0 29 | 7 42 | 0 35 | 12 49 | 1 46 | 5 58 | 12 59 | 23 30 | 23 29 | 5 53 | 3 45 | 2 51 |
| T 23 | 21 53 | 20 54 | 3 14 | 24 17 | 1 28 | 11 9 | 1 45 | 24 33 | 1 2 | 13 51 | 1 10 | 21 35 | 0 29 | 7 42 | 0 35 | 12 50 | 1 46 | 5 58 | 12 59 | 23 30 | 23 29 | 5 50 | 3 46 | 2 51 |
| F 24 | 22 2 | 17 56 | 4 2 | 24 35 | 1 35 | 11 8 | 1 53 | 24 33 | 1 3 | 13 49 | 1 9 | 21 34 | 0 29 | 7 41 | 0 35 | 12 50 | 1 46 | 5 58 | 12 59 | 23 30 | 23 29 | 5 48 | 3 46 | 2 51 |
| S 25 | 22 10 | 14 16 | 4 39 | 24 51 | 1 41 | 11 8 | 2 0 | 24 32 | 1 3 | 13 46 | 1 9 | 21 33 | 0 29 | 7 41 | 0 35 | 12 51 | 1 46 | 5 59 | 12 59 | 23 30 | 23 29 | 5 45 | 3 47 | 2 51 |
| S 26 | 22 18 | 10 5 | 5 3 | 25 4 | 1 46 | 11 8 | 2 7 | 24 32 | 1 3 | 13 44 | 1 9 | 21 31 | 0 29 | 7 40 | 0 35 | 12 52 | 1 46 | 5 59 | 12 59 | 23 30 | 23 29 | 5 42 | 3 48 | 2 51 |
| M27 | 22 25 | 5 32 | 5 14 | 25 15 | 1 50 | 11 9 | 2 14 | 24 31 | 1 3 | 13 41 | 1 9 | 21 30 | 0 29 | 7 40 | 0 35 | 12 52 | 1 46 | 5 59 | 12 59 | 23 30 | 23 29 | 5 40 | 3 49 | 2 51 |
| T 28 | 22 32 | 0 47 | 5 12 | 25 22 | 1 54 | 11 11 | 2 21 | 24 30 | 1 3 | 13 39 | 1 9 | 21 29 | 0 29 | 7 40 | 0 35 | 12 53 | 1 46 | 5 59 | 12 59 | 23 30 | 23 29 | 5 37 | 3 49 | 2 51 |
| W29 | 22 39 | 4s 3 | 4 56 | 25 28 | 1 57 | 11 14 | 2 27 | 24 28 | 1 4 | 13 36 | 1 9 | 21 28 | 0 29 | 7 39 | 0 35 | 12 53 | 1 47 | 6 0 | 12 59 | 23 30 | 23 29 | 5 35 | 3 50 | 2 52 |
| T 30 | 22 45 | 8 48 | 4 27 | 25 30 | 1 59 | 11 18 | 2 33 | 24 27 | 1 4 | 13 33 | 1 9 | 21 27 | 0 30 | 7 39 | 0 35 | 12 54 | 1 47 | 6 0 | 12 59 | 23 30 | 23 29 | 5 32 | 3 51 | 2 52 |
| F 31 | 22n51 | 13s16 | 3n45 | 25n30 | 2n 1 | 11n23 | 2s38 | 24n25 | 1n 4 | 13n31 | 1n 8 | 21n26 | 0n30 | 7s38 | 0n35 | 12n54 | 1s47 | 6n 0 | 12s59 | 23n30 | 23n29 | 5n29 | 3n52 | 2n52 |

Julian Day Number = 2227779.5, Delta T = 08m13s
Ecliptic obliquity = 23°31'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'38, Lahiri = 15°18'39 Julian Calendar 1 May 1387 == Greg. Calendar 9 May 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## JUNE 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 8 37 | 17♊39'14 | 29♏14 | 4♋18 | 7♉27 | 7♋11 | 27♌28 | 26♋31 | 20°R53 | 9♉10 | 23♉ 2 | 1°R57 | 2♋42 | 28♍ 8 | 3♈ 7 | S 1 |
| S 2 | 17 12 34 | 18°36'27 | 12♐ 6 | 6° 7 | 7°59 | 7°50 | 27°36 | 26°37 | 20♎52 | 9°12 | 23° 3 | 1♋56 | 2°39 | 28°15 | 3° 8 | S 2 |
| M 3 | 17 16 30 | 19°33'39 | 25°14 | 7°53 | 8°33 | 8°28 | 27°44 | 26°44 | 20°51 | 9°14 | 23° 4 | 1°55 | 2°36 | 28°22 | 3°10 | M 3 |
| T 4 | 17 20 27 | 20°30'51 | 8♑36 | 9°38 | 9° 8 | 9° 7 | 27°52 | 26°51 | 20°50 | 9°16 | 23° 5 | 1°D55 | 2°33 | 28°28 | 3°11 | T 4 |
| W 5 | 17 24 23 | 21°28'03 | 22°12 | 11°20 | 9°44 | 9°45 | 28° 0 | 26°57 | 20°49 | 9°18 | 23° 7 | 1°55 | 2°29 | 28°35 | 3°12 | W 5 |
| T 6 | 17 28 20 | 22°25'14 | 6♒ 0 | 12°59 | 10°22 | 10°24 | 28° 8 | 27° 4 | 20°48 | 9°20 | 23° 8 | 1°56 | 2°26 | 28°42 | 3°14 | T 6 |
| F 7 | 17 32 16 | 23°22'26 | 19°58 | 14°36 | 11° 0 | 11° 2 | 28°17 | 27°11 | 20°48 | 9°21 | 23° 9 | 1°57 | 2°23 | 28°48 | 3°15 | F 7 |
| S 8 | 17 36 13 | 24°19'37 | 4♓ 4 | 16°11 | 11°40 | 11°41 | 28°25 | 27°18 | 20°47 | 9°23 | 23°10 | 1°58 | 2°20 | 28°55 | 3°16 | S 8 |
| S 9 | 17 40 9 | 25°16'48 | 18°16 | 17°44 | 12°21 | 12°20 | 28°34 | 27°25 | 20°46 | 9°25 | 23°11 | 1°58 | 2°17 | 29° 2 | 3°17 | S 9 |
| M10 | 17 44 6 | 26°13'59 | 2♈30 | 19°14 | 13° 3 | 12°58 | 28°43 | 27°32 | 20°46 | 9°26 | 23°13 | 1°R58 | 2°13 | 29° 9 | 3°18 | M10 |
| T 11 | 17 48 3 | 27°11'10 | 16°45 | 20°42 | 13°46 | 13°37 | 28°52 | 27°39 | 20°45 | 9°28 | 23°14 | 1°58 | 2°10 | 29°15 | 3°19 | T 11 |
| W12 | 17 51 59 | 28° 8'22 | 0♉58 | 22° 7 | 14°29 | 14°15 | 29° 1 | 27°46 | 20°45 | 9°30 | 23°15 | 1°57 | 2° 7 | 29°22 | 3°20 | W12 |
| T 13 | 17 55 56 | 29° 5'33 | 15° 6 | 23°30 | 15°14 | 14°54 | 29°10 | 27°53 | 20°44 | 9°31 | 23°16 | 1°57 | 2° 4 | 29°29 | 3°21 | T 13 |
| F 14 | 17 59 52 | 0♋ 2'45 | 29° 5 | 24°50 | 16° 0 | 15°32 | 29°19 | 28° 0 | 20°44 | 9°33 | 23°17 | 1°57 | 2° 1 | 29°36 | 3°22 | F 14 |
| S 15 | 18 3 49 | 0°59'57 | 12♊53 | 26° 8 | 16°46 | 16°11 | 29°28 | 28° 7 | 20°44 | 9°34 | 23°18 | 1°57 | 1°58 | 29°42 | 3°22 | S 15 |
| S 16 | 18 7 45 | 1°57'09 | 26°27 | 27°23 | 17°33 | 16°49 | 29°38 | 28°14 | 20°43 | 9°36 | 23°19 | 1°57 | 1°54 | 29°49 | 3°23 | S 16 |
| M17 | 18 11 42 | 2°54'21 | 9♋45 | 28°35 | 18°21 | 17°27 | 29°47 | 28°22 | 20°43 | 9°38 | 23°20 | 1°57 | 1°51 | 29°56 | 3°24 | M17 |
| T 18 | 18 15 38 | 3°51'33 | 22°46 | 29°45 | 19° 9 | 18° 6 | 29°57 | 28°29 | 20°43 | 9°39 | 23°22 | 1°57 | 1°48 | 0♎ 2 | 3°24 | T 18 |
| W19 | 18 19 35 | 4°48'45 | 5♌30 | 0♌52 | 19°59 | 18°44 | 0♍ 6 | 28°36 | 20°43 | 9°41 | 23°23 | 1°56 | 1°45 | 0° 9 | 3°25 | W19 |
| T 20 | 18 23 32 | 5°45'56 | 17°58 | 1°56 | 20°49 | 19°23 | 0°16 | 28°44 | 20°43 | 9°42 | 23°24 | 1°56 | 1°42 | 0°16 | 3°26 | T 20 |
| F 21 | 18 27 28 | 6°43'08 | 0♍12 | 2°57 | 21°39 | 20° 1 | 0°26 | 28°51 | 20°D43 | 9°43 | 23°25 | 1°55 | 1°39 | 0°23 | 3°26 | F 21 |
| S 22 | 18 31 25 | 7°40'20 | 12°16 | 3°55 | 22°31 | 20°40 | 0°36 | 28°58 | 20°43 | 9°45 | 23°26 | 1°55 | 1°35 | 0°29 | 3°26 | S 22 |
| S 23 | 18 35 21 | 8°37'31 | 24°12 | 4°50 | 23°23 | 21°18 | 0°46 | 29° 6 | 20°43 | 9°46 | 23°27 | 1°54 | 1°32 | 0°36 | 3°27 | S 23 |
| M24 | 18 39 18 | 9°34'43 | 6♎ 6 | 5°42 | 24°15 | 21°56 | 0°56 | 29°13 | 20°43 | 9°47 | 23°28 | 1°D54 | 1°29 | 0°43 | 3°27 | M24 |
| T 25 | 18 43 14 | 10°31'54 | 18° 1 | 6°30 | 25° 8 | 22°35 | 1° 6 | 29°21 | 20°43 | 9°49 | 23°29 | 1°54 | 1°26 | 0°50 | 3°27 | T 25 |
| W26 | 18 47 11 | 11°29'06 | 0♏ 2 | 7°15 | 26° 2 | 23°13 | 1°17 | 29°28 | 20°43 | 9°50 | 23°30 | 1°55 | 1°23 | 0°56 | 3°27 | W26 |
| T 27 | 18 51 7 | 12°26'17 | 12°13 | 7°56 | 26°56 | 23°51 | 1°27 | 29°36 | 20°44 | 9°51 | 23°31 | 1°55 | 1°19 | 1° 3 | 3°28 | T 27 |
| F 28 | 18 55 4 | 13°23'29 | 24°39 | 8°33 | 27°51 | 24°30 | 1°38 | 29°43 | 20°44 | 9°53 | 23°32 | 1°56 | 1°16 | 1°10 | 3°28 | F 28 |
| S 29 | 18 59 1 | 14°20'41 | 7♐23 | 9° 6 | 28°46 | 25° 8 | 1°48 | 29°51 | 20°44 | 9°54 | 23°33 | 1°57 | 1°13 | 1°16 | 3°R28 | S 29 |
| S 30 | 19 2 57 | 15♋17'53 | 20♐27 | 9♌35 | 29♉42 | 25♋46 | 1♍59 | 29♋58 | 20♎45 | 9♉55 | 23♉33 | 1♋58 | 1♋10 | 1♎23 | 3♈28 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 17s16 | 2n51 | 25n28 | 2n 1 | 11n28 | 2s44 | 24n23 | 1n 4 | 13n28 | 1n 8 | 21n24 | 0n30 | 7s38 | 0n35 | 12n55 | 1s47 | 6n 0 | 12s59 | 23n30 | 23n29 | 5n27 | 3n52 | 2n52 |
| S 2 | 23 2 | 20 33 | 1 47 | 25 24 | 2 1 | 11 34 | 2 48 | 24 21 | 1 4 | 13 25 | 1 8 | 21 23 | 0 30 | 7 38 | 0 35 | 12 56 | 1 47 | 6 0 | 12 59 | 23 30 | 23 30 | 5 24 | 3 53 | 2 52 |
| M 3 | 23 6 | 22 49 | 0 37 | 25 17 | 2 1 | 11 40 | 2 53 | 24 19 | 1 4 | 13 22 | 1 8 | 21 22 | 0 30 | 7 37 | 0 35 | 12 56 | 1 47 | 6 1 | 12 59 | 23 30 | 23 30 | 5 22 | 3 53 | 2 52 |
| T 4 | 23 11 | 23 51 | 0s37 | 25 9 | 1 59 | 11 47 | 2 57 | 24 17 | 1 5 | 13 19 | 1 8 | 21 21 | 0 30 | 7 37 | 0 35 | 12 57 | 1 47 | 6 1 | 12 59 | 23 30 | 23 30 | 5 19 | 3 54 | 2 52 |
| W 5 | 23 15 | 23 29 | 1 50 | 24 59 | 1 57 | 11 55 | 3 1 | 24 14 | 1 5 | 13 16 | 1 8 | 21 19 | 0 30 | 7 37 | 0 35 | 12 57 | 1 47 | 6 1 | 13 0 | 23 30 | 23 30 | 5 16 | 3 55 | 2 52 |
| T 6 | 23 18 | 21 42 | 2 58 | 24 47 | 1 54 | 12 3 | 3 5 | 24 11 | 1 5 | 13 13 | 1 8 | 21 18 | 0 30 | 7 37 | 0 35 | 12 58 | 1 47 | 6 1 | 13 0 | 23 30 | 23 30 | 5 14 | 3 55 | 2 52 |
| F 7 | 23 21 | 18 36 | 3 56 | 24 33 | 1 51 | 12 11 | 3 9 | 24 8 | 1 5 | 13 10 | 1 8 | 21 17 | 0 30 | 7 36 | 0 35 | 12 58 | 1 47 | 6 1 | 13 0 | 23 30 | 23 30 | 5 11 | 3 56 | 2 52 |
| S 8 | 23 24 | 14 23 | 4 40 | 24 18 | 1 47 | 12 21 | 3 12 | 24 5 | 1 5 | 13 7 | 1 7 | 21 16 | 0 30 | 7 36 | 0 35 | 12 59 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 5 8 | 3 56 | 2 52 |
| S 9 | 23 26 | 9 22 | 5 8 | 24 1 | 1 42 | 12 30 | 3 15 | 24 2 | 1 5 | 13 4 | 1 7 | 21 14 | 0 30 | 7 36 | 0 35 | 12 59 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 5 6 | 3 57 | 2 53 |
| M10 | 23 28 | 3 50 | 5 17 | 23 44 | 1 37 | 12 40 | 3 18 | 23 58 | 1 6 | 13 1 | 1 7 | 21 13 | 0 30 | 7 36 | 0 35 | 13 0 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 5 3 | 3 57 | 2 53 |
| T 11 | 23 29 | 1n54 | 5 6 | 23 25 | 1 31 | 12 50 | 3 20 | 23 55 | 1 6 | 12 57 | 1 7 | 21 12 | 0 30 | 7 36 | 0 35 | 13 0 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 5 0 | 3 58 | 2 53 |
| W12 | 23 30 | 7 31 | 4 37 | 23 5 | 1 24 | 13 1 | 3 22 | 23 51 | 1 6 | 12 54 | 1 7 | 21 10 | 0 30 | 7 35 | 0 35 | 13 1 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 4 58 | 3 58 | 2 53 |
| T 13 | 23 31 | 12 44 | 3 51 | 22 44 | 1 17 | 13 12 | 3 24 | 23 47 | 1 6 | 12 51 | 1 7 | 21 9 | 0 30 | 7 35 | 0 35 | 13 1 | 1 47 | 6 2 | 13 0 | 23 30 | 23 30 | 4 55 | 3 59 | 2 53 |
| F 14 | 23 31 | 17 13 | 2 52 | 22 22 | 1 9 | 13 23 | 3 26 | 23 42 | 1 6 | 12 47 | 1 7 | 21 8 | 0 30 | 7 35 | 0 35 | 13 2 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 53 | 3 59 | 2 53 |
| S 15 | 23 31 | 20 42 | 1 44 | 22 0 | 1 1 | 13 35 | 3 28 | 23 38 | 1 6 | 12 44 | 1 7 | 21 6 | 0 30 | 7 35 | 0 35 | 13 2 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 50 | 3 59 | 2 53 |
| S 16 | 23 30 | 22 58 | 0 30 | 21 37 | 0 53 | 13 47 | 3 29 | 23 33 | 1 6 | 12 41 | 1 7 | 21 5 | 0 31 | 7 35 | 0 35 | 13 2 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 47 | 4 0 | 2 53 |
| M17 | 23 29 | 23 53 | 0n43 | 21 13 | 0 43 | 13 59 | 3 30 | 23 28 | 1 7 | 12 37 | 1 6 | 21 3 | 0 31 | 7 35 | 0 35 | 13 3 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 45 | 4 0 | 2 53 |
| T 18 | 23 28 | 23 27 | 1 53 | 20 49 | 0 34 | 14 11 | 3 31 | 23 23 | 1 7 | 12 34 | 1 6 | 21 2 | 0 31 | 7 35 | 0 35 | 13 3 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 42 | 4 1 | 2 53 |
| W19 | 23 26 | 21 47 | 2 55 | 20 25 | 0 23 | 14 23 | 3 32 | 23 18 | 1 7 | 12 30 | 1 6 | 21 1 | 0 31 | 7 35 | 0 34 | 13 4 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 39 | 4 1 | 2 53 |
| T 20 | 23 24 | 19 7 | 3 48 | 20 0 | 0 13 | 14 36 | 3 33 | 23 13 | 1 7 | 12 27 | 1 6 | 20 59 | 0 31 | 7 35 | 0 34 | 13 4 | 1 47 | 6 3 | 13 1 | 23 30 | 23 30 | 4 37 | 4 1 | 2 54 |
| F 21 | 23 21 | 15 38 | 4 29 | 19 35 | 0 2 | 14 48 | 3 33 | 23 8 | 1 7 | 12 23 | 1 6 | 20 58 | 0 31 | 7 35 | 0 34 | 13 5 | 1 47 | 6 3 | 13 2 | 23 30 | 23 31 | 4 34 | 4 1 | 2 54 |
| S 22 | 23 18 | 11 34 | 4 58 | 19 11 | 0s10 | 15 1 | 3 33 | 23 2 | 1 7 | 12 19 | 1 6 | 20 56 | 0 31 | 7 35 | 0 34 | 13 5 | 1 48 | 6 3 | 13 2 | 23 30 | 23 31 | 4 31 | 4 2 | 2 54 |
| S 23 | 23 14 | 7 6 | 5 14 | 18 46 | 0 22 | 15 14 | 3 33 | 22 56 | 1 7 | 12 16 | 1 6 | 20 55 | 0 31 | 7 35 | 0 34 | 13 5 | 1 48 | 6 4 | 13 2 | 23 30 | 23 31 | 4 29 | 4 2 | 2 54 |
| M24 | 23 10 | 2 24 | 5 16 | 18 22 | 0 34 | 15 27 | 3 33 | 22 50 | 1 7 | 12 12 | 1 6 | 20 53 | 0 31 | 7 35 | 0 34 | 13 6 | 1 48 | 6 4 | 13 2 | 23 30 | 23 31 | 4 26 | 4 2 | 2 54 |
| T 25 | 23 6 | 2s24 | 5 4 | 17 57 | 0 47 | 15 40 | 3 33 | 22 44 | 1 7 | 12 8 | 1 6 | 20 52 | 0 31 | 7 35 | 0 34 | 13 6 | 1 48 | 6 4 | 13 2 | 23 30 | 23 31 | 4 23 | 4 2 | 2 54 |
| W26 | 23 1 | 7 10 | 4 39 | 17 34 | 1 0 | 15 53 | 3 33 | 22 37 | 1 8 | 12 5 | 1 6 | 20 50 | 0 31 | 7 35 | 0 34 | 13 6 | 1 48 | 6 4 | 13 2 | 23 30 | 23 31 | 4 21 | 4 2 | 2 54 |
| T 27 | 22 56 | 11 43 | 4 2 | 17 10 | 1 13 | 16 6 | 3 32 | 22 31 | 1 8 | 12 1 | 1 5 | 20 49 | 0 31 | 7 35 | 0 34 | 13 7 | 1 48 | 6 4 | 13 2 | 23 30 | 23 31 | 4 18 | 4 3 | 2 54 |
| F 28 | 22 51 | 15 53 | 3 12 | 16 48 | 1 26 | 16 19 | 3 31 | 22 24 | 1 8 | 11 57 | 1 5 | 20 47 | 0 31 | 7 36 | 0 34 | 13 7 | 1 48 | 6 4 | 13 3 | 23 30 | 23 31 | 4 15 | 4 3 | 2 54 |
| S 29 | 22 45 | 19 27 | 2 12 | 16 26 | 1 40 | 16 32 | 3 31 | 22 17 | 1 8 | 11 53 | 1 5 | 20 46 | 0 31 | 7 36 | 0 34 | 13 7 | 1 48 | 6 4 | 13 3 | 23 30 | 23 31 | 4 13 | 4 3 | 2 54 |
| S 30 | 22n38 | 22s 7 | 1n 3 | 16n 5 | 1s54 | 16n44 | 3s30 | 22n10 | 1n 8 | 11n49 | 1n 5 | 20n44 | 0n31 | 7s36 | 0n34 | 13n 8 | 1s48 | 6n 4 | 13s 3 | 23n30 | 23n31 | 4n10 | 4n 3 | 2n54 |

Julian Day Number = 2227810.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'43, Lahiri = 15°18'43 Julian Calendar 1 June 1387 == Greg. Calendar 9 June 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## JULY 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 6 54 | 16♋15'06 | 3♉51 | 10♌ 0 | 0♊38 | 26♋24 | 2♍ 9 | 0♌ 6 | 20♎45 | 9♉56 | 23♉34 | 1°R58 | 1♋ 7 | 1♎30 | 3°R28 | M 1 |
| T 2 | 19 10 50 | 17°12'19 | 17°36 | 10°20 | 1°34 | 27° 3 | 2°20 | 0°13 | 20°46 | 9°57 | 23°35 | 1♋58 | 1° 4 | 1°37 | 3♈27 | T 2 |
| W 3 | 19 14 47 | 18° 9'32 | 1♒38 | 10°36 | 2°31 | 27°41 | 2°31 | 0°21 | 20°46 | 9°58 | 23°36 | 1°57 | 1° 0 | 1°43 | 3°27 | W 3 |
| T 4 | 19 18 43 | 19° 6'46 | 15°54 | 10°47 | 3°29 | 28°19 | 2°42 | 0°29 | 20°47 | 9°59 | 23°37 | 1°55 | 0°57 | 1°50 | 3°27 | T 4 |
| F 5 | 19 22 40 | 20° 4'01 | 0♓19 | 10°53 | 4°27 | 28°58 | 2°53 | 0°36 | 20°48 | 10° 0 | 23°38 | 1°53 | 0°54 | 1°57 | 3°27 | F 5 |
| S 6 | 19 26 37 | 21° 1'16 | 14°47 | 10°R55 | 5°25 | 29°36 | 3° 4 | 0°44 | 20°49 | 10° 1 | 23°39 | 1°50 | 0°51 | 2° 4 | 3°26 | S 6 |
| S 7 | 19 30 33 | 21°58'33 | 29°13 | 10°51 | 6°24 | 0♌14 | 3°15 | 0°52 | 20°49 | 10° 2 | 23°39 | 1°48 | 0°48 | 2°10 | 3°26 | S 7 |
| M 8 | 19 34 30 | 22°55'50 | 13♈34 | 10°43 | 7°23 | 0°52 | 3°26 | 0°59 | 20°50 | 10° 3 | 23°40 | 1°47 | 0°45 | 2°17 | 3°25 | M 8 |
| T 9 | 19 38 26 | 23°53'08 | 27°45 | 10°29 | 8°22 | 1°31 | 3°38 | 1° 7 | 20°51 | 10° 4 | 23°41 | 1°D47 | 0°41 | 2°24 | 3°25 | T 9 |
| W10 | 19 42 23 | 24°50'28 | 11♉45 | 10°11 | 9°22 | 2° 9 | 3°49 | 1°15 | 20°52 | 10° 5 | 23°42 | 1°48 | 0°38 | 2°30 | 3°24 | W10 |
| T 11 | 19 46 19 | 25°47'48 | 25°33 | 9°48 | 10°22 | 2°47 | 4° 0 | 1°22 | 20°53 | 10° 6 | 23°42 | 1°49 | 0°35 | 2°37 | 3°24 | T 11 |
| F 12 | 19 50 16 | 26°45'10 | 9♊ 8 | 9°20 | 11°23 | 3°25 | 4°12 | 1°30 | 20°54 | 10° 7 | 23°43 | 1°51 | 0°32 | 2°44 | 3°23 | F 12 |
| S 13 | 19 54 12 | 27°42'32 | 22°30 | 8°48 | 12°24 | 4° 3 | 4°23 | 1°38 | 20°55 | 10° 8 | 23°44 | 1°52 | 0°29 | 2°51 | 3°22 | S 13 |
| S 14 | 19 58 9 | 28°39'56 | 5♋40 | 8°12 | 13°25 | 4°42 | 4°35 | 1°45 | 20°56 | 10° 8 | 23°45 | 1°R52 | 0°25 | 2°57 | 3°22 | S 14 |
| M15 | 20 2 6 | 29°37'21 | 18°36 | 7°33 | 14°26 | 5°20 | 4°47 | 1°53 | 20°58 | 10° 9 | 23°45 | 1°51 | 0°22 | 3° 4 | 3°21 | M15 |
| T 16 | 20 6 2 | 0♌34'46 | 1♌20 | 6°51 | 15°28 | 5°58 | 4°58 | 2° 1 | 20°59 | 10°10 | 23°46 | 1°48 | 0°19 | 3°11 | 3°20 | T 16 |
| W17 | 20 9 59 | 1°32'13 | 13°51 | 6° 6 | 16°30 | 6°36 | 5°10 | 2° 9 | 21° 0 | 10°10 | 23°46 | 1°45 | 0°16 | 3°17 | 3°19 | W17 |
| T 18 | 20 13 55 | 2°29'40 | 26°11 | 5°21 | 17°33 | 7°15 | 5°22 | 2°16 | 21° 2 | 10°11 | 23°47 | 1°40 | 0°13 | 3°24 | 3°18 | T 18 |
| F 19 | 20 17 52 | 3°27'08 | 8♍21 | 4°34 | 18°35 | 7°53 | 5°34 | 2°24 | 21° 3 | 10°12 | 23°48 | 1°34 | 0°10 | 3°31 | 3°17 | F 19 |
| S 20 | 20 21 48 | 4°24'37 | 20°21 | 3°48 | 19°38 | 8°31 | 5°46 | 2°32 | 21° 4 | 10°12 | 23°48 | 1°29 | 0° 6 | 3°38 | 3°16 | S 20 |
| S 21 | 20 25 45 | 5°22'07 | 2♎16 | 3° 3 | 20°41 | 9° 9 | 5°58 | 2°40 | 21° 6 | 10°13 | 23°49 | 1°24 | 0° 3 | 3°44 | 3°15 | S 21 |
| M22 | 20 29 41 | 6°19'38 | 14° 8 | 2°19 | 21°44 | 9°47 | 6°10 | 2°47 | 21° 8 | 10°13 | 23°49 | 1°20 | 0° 0 | 3°51 | 3°13 | M22 |
| T 23 | 20 33 38 | 7°17'10 | 26° 1 | 1°39 | 22°48 | 10°26 | 6°22 | 2°55 | 21° 9 | 10°14 | 23°50 | 1°18 | 29♊57 | 3°58 | 3°12 | T 23 |
| W24 | 20 37 34 | 8°14'42 | 8♏ 0 | 1° 1 | 23°52 | 11° 4 | 6°34 | 3° 3 | 21°11 | 10°14 | 23°50 | 1°D17 | 29°54 | 4° 5 | 3°11 | W24 |
| T 25 | 20 41 31 | 9°12'16 | 20°10 | 0°29 | 24°56 | 11°42 | 6°46 | 3°10 | 21°13 | 10°15 | 23°51 | 1°18 | 29°51 | 4°11 | 3°10 | T 25 |
| F 26 | 20 45 28 | 10° 9'50 | 2♐34 | 0° 1 | 26° 0 | 12°20 | 6°58 | 3°18 | 21°14 | 10°15 | 23°51 | 1°19 | 29°47 | 4°18 | 3° 8 | F 26 |
| S 27 | 20 49 24 | 11° 7'25 | 15°19 | 29♋39 | 27° 5 | 12°58 | 7°10 | 3°26 | 21°16 | 10°15 | 23°52 | 1°21 | 29°44 | 4°25 | 3° 7 | S 27 |
| S 28 | 20 53 21 | 12° 5'02 | 28°27 | 29°23 | 28°10 | 13°36 | 7°23 | 3°33 | 21°18 | 10°16 | 23°52 | 1°R22 | 29°41 | 4°31 | 3° 5 | S 28 |
| M29 | 20 57 17 | 13° 2'40 | 12♑ 0 | 29°14 | 29°15 | 14°15 | 7°35 | 3°41 | 21°20 | 10°16 | 23°52 | 1°21 | 29°38 | 4°38 | 3° 4 | M29 |
| T 30 | 21 1 14 | 14° 0'18 | 25°59 | 29°D12 | 0♋20 | 14°53 | 7°47 | 3°49 | 21°22 | 10°16 | 23°53 | 1°19 | 29°35 | 4°45 | 3° 2 | T 30 |
| W31 | 21 5 10 | 14♌57'58 | 10♒21 | 29♋17 | 1♋25 | 15♌31 | 8♍ 0 | 3♌56 | 21♎24 | 10♉16 | 23♉53 | 1♋15 | 29♊31 | 4♎52 | 3♈ 1 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n32 | 23s38 | 0s10 | 15n45 | 2s 8 | 16n57 | 3s28 | 22n 3 | 1n 8 | 11n45 | 1n 5 | 20n43 | 0n32 | 7s36 | 0n34 | 13n 8 | 1s48 | 6n 4 | 13s 3 | 23n30 | 23n31 | 4n 7 | 4n 3 | 2n55 |
| T 2 | 22 24 | 23 46 | 1 25 | 15 26 | 2 22 | 17 10 | 3 27 | 21 56 | 1 8 | 11 41 | 1 5 | 20 41 | 0 32 | 7 36 | 0 34 | 13 8 | 1 48 | 6 4 | 13 3 | 23 30 | 23 31 | 4 5 | 4 3 | 2 55 |
| W 3 | 22 17 | 22 24 | 2 36 | 15 8 | 2 36 | 17 22 | 3 26 | 21 48 | 1 8 | 11 37 | 1 5 | 20 40 | 0 32 | 7 37 | 0 34 | 13 9 | 1 48 | 6 4 | 13 4 | 23 30 | 23 31 | 4 2 | 4 3 | 2 55 |
| T 4 | 22 9 | 19 36 | 3 39 | 14 52 | 2 50 | 17 35 | 3 24 | 21 41 | 1 8 | 11 33 | 1 5 | 20 38 | 0 32 | 7 37 | 0 34 | 13 9 | 1 48 | 6 4 | 13 4 | 23 30 | 23 31 | 3 59 | 4 3 | 2 55 |
| F 5 | 22 1 | 15 35 | 4 28 | 14 37 | 3 4 | 17 47 | 3 23 | 21 33 | 1 8 | 11 29 | 1 5 | 20 36 | 0 32 | 7 37 | 0 34 | 13 9 | 1 48 | 6 4 | 13 4 | 23 30 | 23 31 | 3 56 | 4 3 | 2 55 |
| S 6 | 21 52 | 10 38 | 5 1 | 14 23 | 3 17 | 17 59 | 3 21 | 21 25 | 1 8 | 11 25 | 1 5 | 20 35 | 0 32 | 7 38 | 0 34 | 13 9 | 1 48 | 6 4 | 13 4 | 23 30 | 23 31 | 3 54 | 4 3 | 2 55 |
| S 7 | 21 43 | 5 7 | 5 14 | 14 12 | 3 30 | 18 11 | 3 19 | 21 17 | 1 8 | 11 21 | 1 5 | 20 33 | 0 32 | 7 38 | 0 34 | 13 10 | 1 48 | 6 4 | 13 4 | 23 30 | 23 31 | 3 51 | 4 3 | 2 55 |
| M 8 | 21 34 | 0n38 | 5 8 | 14 2 | 3 43 | 18 22 | 3 17 | 21 9 | 1 8 | 11 17 | 1 5 | 20 32 | 0 32 | 7 38 | 0 34 | 13 10 | 1 48 | 6 4 | 13 5 | 23 30 | 23 31 | 3 48 | 4 3 | 2 55 |
| T 9 | 21 24 | 6 18 | 4 43 | 13 54 | 3 55 | 18 34 | 3 15 | 21 0 | 1 9 | 11 13 | 1 5 | 20 30 | 0 32 | 7 39 | 0 34 | 13 10 | 1 48 | 6 4 | 13 5 | 23 30 | 23 31 | 3 46 | 4 2 | 2 55 |
| W10 | 21 14 | 11 35 | 4 1 | 13 48 | 4 6 | 18 45 | 3 13 | 20 52 | 1 9 | 11 9 | 1 4 | 20 28 | 0 32 | 7 39 | 0 34 | 13 10 | 1 48 | 6 4 | 13 5 | 23 30 | 23 31 | 3 43 | 4 2 | 2 55 |
| T 11 | 21 3 | 16 12 | 3 6 | 13 44 | 4 17 | 18 56 | 3 11 | 20 43 | 1 9 | 11 4 | 1 4 | 20 27 | 0 32 | 7 40 | 0 34 | 13 11 | 1 49 | 6 4 | 13 5 | 23 30 | 23 31 | 3 40 | 4 2 | 2 55 |
| F 12 | 20 53 | 19 53 | 2 2 | 13 42 | 4 26 | 19 7 | 3 8 | 20 34 | 1 9 | 11 0 | 1 4 | 20 25 | 0 32 | 7 40 | 0 34 | 13 11 | 1 49 | 6 4 | 13 5 | 23 30 | 23 31 | 3 38 | 4 2 | 2 56 |
| S 13 | 20 41 | 22 27 | 0 51 | 13 42 | 4 34 | 19 17 | 3 6 | 20 25 | 1 9 | 10 56 | 1 4 | 20 23 | 0 32 | 7 40 | 0 34 | 13 11 | 1 49 | 6 4 | 13 6 | 23 30 | 23 31 | 3 35 | 4 2 | 2 56 |
| S 14 | 20 30 | 23 45 | 0n21 | 13 45 | 4 41 | 19 27 | 3 3 | 20 16 | 1 9 | 10 51 | 1 4 | 20 22 | 0 33 | 7 41 | 0 34 | 13 11 | 1 49 | 6 4 | 13 6 | 23 30 | 23 31 | 3 32 | 4 2 | 2 56 |
| M15 | 20 18 | 23 43 | 1 30 | 13 49 | 4 47 | 19 37 | 3 0 | 20 7 | 1 9 | 10 47 | 1 4 | 20 20 | 0 33 | 7 41 | 0 34 | 13 11 | 1 49 | 6 4 | 13 6 | 23 30 | 23 31 | 3 29 | 4 1 | 2 56 |
| T 16 | 20 6 | 22 26 | 2 34 | 13 56 | 4 50 | 19 47 | 2 58 | 19 57 | 1 9 | 10 43 | 1 4 | 20 19 | 0 33 | 7 42 | 0 33 | 13 12 | 1 49 | 6 4 | 13 6 | 23 30 | 23 31 | 3 27 | 4 1 | 2 56 |
| W17 | 19 53 | 20 4 | 3 30 | 14 5 | 4 53 | 19 56 | 2 55 | 19 48 | 1 9 | 10 38 | 1 4 | 20 17 | 0 33 | 7 42 | 0 33 | 13 12 | 1 49 | 6 4 | 13 6 | 23 30 | 23 31 | 3 24 | 4 1 | 2 56 |
| T 18 | 19 40 | 16 48 | 4 14 | 14 15 | 4 53 | 20 5 | 2 52 | 19 38 | 1 9 | 10 34 | 1 4 | 20 15 | 0 33 | 7 43 | 0 33 | 13 12 | 1 49 | 6 4 | 13 7 | 23 30 | 23 31 | 3 21 | 4 0 | 2 56 |
| F 19 | 19 27 | 12 53 | 4 46 | 14 28 | 4 52 | 20 13 | 2 49 | 19 28 | 1 9 | 10 30 | 1 4 | 20 14 | 0 33 | 7 44 | 0 33 | 13 12 | 1 49 | 6 4 | 13 7 | 23 31 | 23 31 | 3 19 | 4 0 | 2 56 |
| S 20 | 19 13 | 8 30 | 5 5 | 14 42 | 4 48 | 20 21 | 2 46 | 19 18 | 1 9 | 10 25 | 1 4 | 20 12 | 0 33 | 7 44 | 0 33 | 13 12 | 1 49 | 6 3 | 13 7 | 23 31 | 23 31 | 3 16 | 4 0 | 2 56 |
| S 21 | 18 59 | 3 51 | 5 11 | 14 57 | 4 43 | 20 29 | 2 43 | 19 8 | 1 9 | 10 21 | 1 4 | 20 10 | 0 33 | 7 45 | 0 33 | 13 12 | 1 49 | 6 3 | 13 7 | 23 31 | 23 31 | 3 13 | 3 59 | 2 56 |
| M22 | 18 45 | 0s56 | 5 3 | 15 13 | 4 37 | 20 36 | 2 40 | 18 58 | 1 9 | 10 16 | 1 4 | 20 8 | 0 33 | 7 45 | 0 33 | 13 12 | 1 49 | 6 3 | 13 8 | 23 31 | 23 31 | 3 10 | 3 59 | 2 56 |
| T 23 | 18 31 | 5 41 | 4 43 | 15 30 | 4 28 | 20 43 | 2 37 | 18 48 | 1 9 | 10 12 | 1 4 | 20 7 | 0 33 | 7 46 | 0 33 | 13 12 | 1 49 | 6 3 | 13 8 | 23 31 | 23 31 | 3 8 | 3 58 | 2 56 |
| W24 | 18 16 | 10 17 | 4 10 | 15 48 | 4 18 | 20 49 | 2 33 | 18 37 | 1 9 | 10 7 | 1 4 | 20 5 | 0 33 | 7 47 | 0 33 | 13 12 | 1 49 | 6 3 | 13 8 | 23 31 | 23 31 | 3 5 | 3 58 | 2 56 |
| T 25 | 18 1 | 14 33 | 3 25 | 16 6 | 4 6 | 20 55 | 2 30 | 18 26 | 1 9 | 10 3 | 1 4 | 20 3 | 0 34 | 7 47 | 0 33 | 13 13 | 1 49 | 6 3 | 13 8 | 23 31 | 23 31 | 3 2 | 3 58 | 2 57 |
| F 26 | 17 45 | 18 18 | 2 30 | 16 25 | 3 53 | 21 1 | 2 27 | 18 16 | 1 9 | 9 58 | 1 4 | 20 2 | 0 34 | 7 48 | 0 33 | 13 13 | 1 49 | 6 3 | 13 8 | 23 31 | 23 31 | 2 59 | 3 57 | 2 57 |
| S 27 | 17 30 | 21 17 | 1 26 | 16 43 | 3 39 | 21 6 | 2 23 | 18 5 | 1 9 | 9 53 | 1 4 | 20 0 | 0 34 | 7 49 | 0 33 | 13 13 | 1 50 | 6 3 | 13 9 | 23 31 | 23 31 | 2 57 | 3 57 | 2 57 |
| S 28 | 17 14 | 23 15 | 0 16 | 17 1 | 3 24 | 21 11 | 2 20 | 17 54 | 1 9 | 9 49 | 1 4 | 19 58 | 0 34 | 7 49 | 0 33 | 13 13 | 1 50 | 6 3 | 13 9 | 23 31 | 23 31 | 2 54 | 3 56 | 2 57 |
| M29 | 16 57 | 23 56 | 0s57 | 17 18 | 3 9 | 21 15 | 2 16 | 17 43 | 1 9 | 9 44 | 1 4 | 19 57 | 0 34 | 7 50 | 0 33 | 13 13 | 1 50 | 6 2 | 13 9 | 23 31 | 23 31 | 2 51 | 3 55 | 2 57 |
| T 30 | 16 41 | 23 8 | 2 9 | 17 35 | 2 52 | 21 19 | 2 12 | 17 32 | 1 9 | 9 40 | 1 4 | 19 55 | 0 34 | 7 51 | 0 33 | 13 13 | 1 50 | 6 2 | 13 9 | 23 31 | 23 31 | 2 49 | 3 55 | 2 57 |
| W31 | 16n24 | 20s50 | 3s15 | 17n50 | 2s35 | 21n22 | 2s 9 | 17n20 | 1n 9 | 9n35 | 1n 4 | 19n53 | 0n34 | 7s52 | 0n33 | 13n13 | 1s50 | 6n 2 | 13s10 | 23n31 | 23n31 | 2n46 | 3n54 | 2n57 |

Julian Day Number = 2227840.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'47, Lahiri = 15°18'47 Julian Calendar 1 July 1387 == Greg. Calendar 9 July 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## AUGUST 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 9 7 | 15♌55'39 | 25♒ 2 | 29♋29 | 2♋31 | 16♌ 9 | 8♍12 | 4♌ 4 | 21♎26 | 10♉16 | 23♉53 | 1°R 9 | 29♊28 | 4♎58 | 2°R59 | T 1 |
| F 2 | 21 13 4 | 16°53'22 | 9♓54 | 29°49 | 3°37 | 16°47 | 8°25 | 4°12 | 21°28 | 10°17 | 23°54 | 1♋ 2 | 29°25 | 5° 5 | 2♈57 | F 2 |
| S 3 | 21 17 0 | 17°51'06 | 24°48 | 0♌16 | 4°43 | 17°26 | 8°37 | 4°19 | 21°30 | 10°17 | 23°54 | 0°56 | 29°22 | 5°12 | 2°56 | S 3 |
| S 4 | 21 20 57 | 18°48'52 | 9♈36 | 0°51 | 5°49 | 18° 4 | 8°50 | 4°27 | 21°32 | 10°17 | 23°54 | 0°50 | 29°19 | 5°19 | 2°54 | S 4 |
| M 5 | 21 24 53 | 19°46'39 | 24°11 | 1°33 | 6°55 | 18°42 | 9° 2 | 4°34 | 21°34 | 10°17 | 23°55 | 0°45 | 29°16 | 5°25 | 2°52 | M 5 |
| T 6 | 21 28 50 | 20°44'28 | 8♉29 | 2°23 | 8° 2 | 19°20 | 9°15 | 4°42 | 21°37 | 10°R17 | 23°55 | 0°43 | 29°12 | 5°32 | 2°50 | T 6 |
| W 7 | 21 32 46 | 21°42'19 | 22°27 | 3°19 | 9° 9 | 19°58 | 9°28 | 4°49 | 21°39 | 10°17 | 23°55 | 0°D42 | 29° 9 | 5°39 | 2°48 | W 7 |
| T 8 | 21 36 43 | 22°40'12 | 6♊ 6 | 4°22 | 10°16 | 20°36 | 9°40 | 4°57 | 21°41 | 10°17 | 23°55 | 0°42 | 29° 6 | 5°45 | 2°46 | T 8 |
| F 9 | 21 40 39 | 23°38'07 | 19°26 | 5°32 | 11°23 | 21°15 | 9°53 | 5° 4 | 21°44 | 10°17 | 23°55 | 0°43 | 29° 3 | 5°52 | 2°44 | F 9 |
| S 10 | 21 44 36 | 24°36'03 | 2♋29 | 6°48 | 12°30 | 21°53 | 10° 6 | 5°12 | 21°46 | 10°17 | 23°55 | 0°R44 | 29° 0 | 5°59 | 2°42 | S 10 |
| S 11 | 21 48 33 | 25°34'02 | 15°18 | 8° 9 | 13°38 | 22°31 | 10°18 | 5°19 | 21°48 | 10°16 | 23°56 | 0°43 | 28°57 | 6° 6 | 2°40 | S 11 |
| M12 | 21 52 29 | 26°32'02 | 27°55 | 9°36 | 14°45 | 23° 9 | 10°31 | 5°27 | 21°51 | 10°16 | 23°56 | 0°40 | 28°53 | 6°12 | 2°38 | M12 |
| T 13 | 21 56 26 | 27°30'04 | 10♌22 | 11° 8 | 15°53 | 23°47 | 10°44 | 5°34 | 21°53 | 10°16 | 23°56 | 0°34 | 28°50 | 6°19 | 2°36 | T 13 |
| W14 | 22 0 22 | 28°28'08 | 22°40 | 12°44 | 17° 1 | 24°26 | 10°57 | 5°42 | 21°56 | 10°16 | 23°56 | 0°25 | 28°47 | 6°26 | 2°34 | W14 |
| T 15 | 22 4 19 | 29°26'13 | 4♍49 | 14°24 | 18° 9 | 25° 4 | 11°10 | 5°49 | 21°59 | 10°15 | 23°56 | 0°15 | 28°44 | 6°32 | 2°32 | T 15 |
| F 16 | 22 8 15 | 0♍24'20 | 16°51 | 16° 7 | 19°17 | 25°42 | 11°22 | 5°56 | 22° 1 | 10°15 | 23°R56 | 0° 4 | 28°41 | 6°39 | 2°29 | F 16 |
| S 17 | 22 12 12 | 1°22'28 | 28°48 | 17°53 | 20°26 | 26°20 | 11°35 | 6° 3 | 22° 4 | 10°15 | 23°56 | 29♊52 | 28°37 | 6°46 | 2°27 | S 17 |
| S 18 | 22 16 8 | 2°20'38 | 10♎40 | 19°42 | 21°34 | 26°59 | 11°48 | 6°11 | 22° 7 | 10°14 | 23°56 | 29°42 | 28°34 | 6°53 | 2°25 | S 18 |
| M19 | 22 20 5 | 3°18'50 | 22°31 | 21°33 | 22°43 | 27°37 | 12° 1 | 6°18 | 22° 9 | 10°14 | 23°56 | 29°33 | 28°31 | 6°59 | 2°23 | M19 |
| T 20 | 22 24 1 | 4°17'03 | 4♏22 | 23°25 | 23°52 | 28°15 | 12°14 | 6°25 | 22°12 | 10°14 | 23°56 | 29°26 | 28°28 | 7° 6 | 2°20 | T 20 |
| W21 | 22 27 58 | 5°15'18 | 16°19 | 25°19 | 25° 1 | 28°53 | 12°27 | 6°32 | 22°15 | 10°13 | 23°56 | 29°22 | 28°25 | 7°13 | 2°18 | W21 |
| T 22 | 22 31 55 | 6°13'35 | 28°25 | 27°13 | 26°10 | 29°31 | 12°40 | 6°39 | 22°18 | 10°13 | 23°56 | 29°20 | 28°22 | 7°20 | 2°15 | T 22 |
| F 23 | 22 35 51 | 7°11'53 | 10♐46 | 29° 8 | 27°19 | 0♍10 | 12°53 | 6°46 | 22°21 | 10°12 | 23°55 | 29°D20 | 28°18 | 7°26 | 2°13 | F 23 |
| S 24 | 22 39 48 | 8°10'13 | 23°26 | 1♍ 3 | 28°29 | 0°48 | 13° 6 | 6°53 | 22°24 | 10°11 | 23°55 | 29°R21 | 28°15 | 7°33 | 2°10 | S 24 |
| S 25 | 22 43 44 | 9° 8'34 | 6♑31 | 2°58 | 29°38 | 1°26 | 13°19 | 7° 0 | 22°27 | 10°11 | 23°55 | 29°20 | 28°12 | 7°40 | 2° 8 | S 25 |
| M26 | 22 47 41 | 10° 6'57 | 20° 3 | 4°53 | 0♌48 | 2° 4 | 13°32 | 7° 7 | 22°30 | 10°10 | 23°55 | 29°19 | 28° 9 | 7°46 | 2° 5 | M26 |
| T 27 | 22 51 37 | 11° 5'21 | 4♒ 4 | 6°47 | 1°57 | 2°43 | 13°45 | 7°14 | 22°33 | 10° 9 | 23°55 | 29°15 | 28° 6 | 7°53 | 2° 3 | T 27 |
| W28 | 22 55 34 | 12° 3'47 | 18°34 | 8°41 | 3° 7 | 3°21 | 13°58 | 7°21 | 22°36 | 10° 9 | 23°54 | 29° 8 | 28° 2 | 8° 0 | 2° 0 | W28 |
| T 29 | 22 59 30 | 13° 2'15 | 3♓27 | 10°34 | 4°17 | 3°59 | 14°11 | 7°28 | 22°39 | 10° 8 | 23°54 | 29° 0 | 27°59 | 8° 7 | 1°58 | T 29 |
| F 30 | 23 3 27 | 14° 0'45 | 18°37 | 12°27 | 5°28 | 4°38 | 14°24 | 7°34 | 22°42 | 10° 7 | 23°54 | 28°49 | 27°56 | 8°13 | 1°55 | F 30 |
| S 31 | 23 7 24 | 14♍59'17 | 3♈52 | 14♍19 | 6♌38 | 5♍16 | 14♍37 | 7♌41 | 22♎45 | 10♉ 7 | 23♉54 | 28♊39 | 27♊53 | 8♎20 | 1♈52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 7 | 17s 7 | 4s 9 | 18n 5 | 2s18 | 21n25 | 2s 5 | 17n 9 | 1n 9 | 9n30 | 1n 4 | 19n51 | 0n34 | 7s52 | 0n33 | 13n13 | 1s50 | 6n 2 | 13s10 | 23n31 | 23n31 | 2n43 | 3n54 | 2n57 |
| F 2 | 15 50 | 12 18 | 4 47 | 18 18 | 2 1 | 21 27 | 2 1 | 16 57 | 1 9 | 9 25 | 1 4 | 19 50 | 0 34 | 7 53 | 0 33 | 13 13 | 1 50 | 6 2 | 13 10 | 23 31 | 23 31 | 2 40 | 3 53 | 2 57 |
| S 3 | 15 32 | 6 45 | 5 6 | 18 29 | 1 43 | 21 28 | 1 58 | 16 46 | 1 9 | 9 21 | 1 3 | 19 48 | 0 34 | 7 54 | 0 33 | 13 13 | 1 50 | 6 2 | 13 10 | 23 31 | 23 31 | 2 38 | 3 52 | 2 57 |
| S 4 | 15 14 | 0 50 | 5 4 | 18 38 | 1 26 | 21 30 | 1 54 | 16 34 | 1 9 | 9 16 | 1 3 | 19 46 | 0 34 | 7 55 | 0 33 | 13 13 | 1 50 | 6 1 | 13 11 | 23 31 | 23 31 | 2 35 | 3 52 | 2 57 |
| M 5 | 14 56 | 5n 2 | 4 42 | 18 46 | 1 9 | 21 30 | 1 50 | 16 22 | 1 9 | 9 11 | 1 3 | 19 45 | 0 35 | 7 56 | 0 33 | 13 13 | 1 50 | 6 1 | 13 11 | 23 31 | 23 31 | 2 32 | 3 51 | 2 57 |
| T 6 | 14 38 | 10 32 | 4 3 | 18 51 | 0 52 | 21 30 | 1 46 | 16 10 | 1 9 | 9 6 | 1 3 | 19 43 | 0 35 | 7 57 | 0 33 | 13 13 | 1 50 | 6 1 | 13 11 | 23 31 | 23 31 | 2 29 | 3 50 | 2 57 |
| W 7 | 14 19 | 15 22 | 3 11 | 18 53 | 0 36 | 21 30 | 1 42 | 15 58 | 1 9 | 9 2 | 1 3 | 19 41 | 0 35 | 7 58 | 0 33 | 13 12 | 1 50 | 6 1 | 13 11 | 23 31 | 23 31 | 2 27 | 3 50 | 2 57 |
| T 8 | 14 0 | 19 17 | 2 8 | 18 54 | 0 21 | 21 29 | 1 39 | 15 46 | 1 9 | 8 57 | 1 3 | 19 39 | 0 35 | 7 58 | 0 33 | 13 12 | 1 50 | 6 1 | 13 12 | 23 31 | 23 31 | 2 24 | 3 49 | 2 57 |
| F 9 | 13 41 | 22 6 | 1 0 | 18 51 | 0 6 | 21 27 | 1 35 | 15 33 | 1 9 | 8 52 | 1 3 | 19 38 | 0 35 | 7 59 | 0 33 | 13 12 | 1 50 | 6 0 | 13 12 | 23 31 | 23 31 | 2 21 | 3 48 | 2 57 |
| S 10 | 13 22 | 23 39 | 0n 9 | 18 46 | 0n 8 | 21 25 | 1 31 | 15 21 | 1 9 | 8 47 | 1 3 | 19 36 | 0 35 | 8 0 | 0 33 | 13 12 | 1 50 | 6 0 | 13 12 | 23 31 | 23 31 | 2 18 | 3 47 | 2 57 |
| S 11 | 13 2 | 23 55 | 1 17 | 18 38 | 0 21 | 21 23 | 1 27 | 15 8 | 1 9 | 8 42 | 1 3 | 19 34 | 0 35 | 8 1 | 0 33 | 13 12 | 1 50 | 6 0 | 13 12 | 23 31 | 23 31 | 2 16 | 3 47 | 2 57 |
| M12 | 12 43 | 22 56 | 2 20 | 18 27 | 0 34 | 21 19 | 1 23 | 14 56 | 1 9 | 8 38 | 1 3 | 19 32 | 0 35 | 8 2 | 0 33 | 13 12 | 1 50 | 6 0 | 13 13 | 23 31 | 23 31 | 2 13 | 3 46 | 2 57 |
| T 13 | 12 23 | 20 50 | 3 15 | 18 13 | 0 45 | 21 16 | 1 19 | 14 43 | 1 9 | 8 33 | 1 3 | 19 31 | 0 35 | 8 3 | 0 33 | 13 12 | 1 51 | 6 0 | 13 13 | 23 31 | 23 31 | 2 10 | 3 45 | 2 57 |
| W14 | 12 3 | 17 48 | 4 1 | 17 56 | 0 56 | 21 11 | 1 15 | 14 30 | 1 9 | 8 28 | 1 3 | 19 29 | 0 35 | 8 4 | 0 33 | 13 12 | 1 51 | 5 59 | 13 13 | 23 31 | 23 31 | 2 7 | 3 44 | 2 57 |
| T 15 | 11 42 | 14 1 | 4 34 | 17 36 | 1 5 | 21 6 | 1 11 | 14 17 | 1 9 | 8 23 | 1 3 | 19 27 | 0 36 | 8 5 | 0 32 | 13 12 | 1 51 | 5 59 | 13 13 | 23 31 | 23 31 | 2 4 | 3 43 | 2 57 |
| F 16 | 11 22 | 9 44 | 4 55 | 17 14 | 1 14 | 21 1 | 1 7 | 14 4 | 1 9 | 8 18 | 1 3 | 19 26 | 0 36 | 8 6 | 0 32 | 13 11 | 1 51 | 5 59 | 13 14 | 23 31 | 23 31 | 2 2 | 3 42 | 2 58 |
| S 17 | 11 1 | 5 6 | 5 3 | 16 49 | 1 21 | 20 55 | 1 3 | 13 51 | 1 9 | 8 13 | 1 3 | 19 24 | 0 36 | 8 7 | 0 32 | 13 11 | 1 51 | 5 59 | 13 14 | 23 31 | 23 31 | 1 59 | 3 41 | 2 58 |
| S 18 | 10 40 | 0 19 | 4 58 | 16 21 | 1 28 | 20 48 | 0 59 | 13 38 | 1 9 | 8 8 | 1 3 | 19 22 | 0 36 | 8 8 | 0 32 | 13 11 | 1 51 | 5 58 | 13 14 | 23 31 | 23 31 | 1 56 | 3 41 | 2 58 |
| M19 | 10 19 | 4s28 | 4 39 | 15 51 | 1 33 | 20 41 | 0 56 | 13 25 | 1 9 | 8 3 | 1 3 | 19 21 | 0 36 | 8 9 | 0 32 | 13 11 | 1 51 | 5 58 | 13 14 | 23 31 | 23 31 | 1 53 | 3 40 | 2 58 |
| T 20 | 9 58 | 9 7 | 4 9 | 15 18 | 1 38 | 20 33 | 0 52 | 13 12 | 1 9 | 7 58 | 1 3 | 19 19 | 0 36 | 8 10 | 0 32 | 13 11 | 1 51 | 5 58 | 13 15 | 23 31 | 23 31 | 1 51 | 3 39 | 2 58 |
| W21 | 9 37 | 13 27 | 3 28 | 14 43 | 1 42 | 20 25 | 0 48 | 12 58 | 1 8 | 7 53 | 1 3 | 19 17 | 0 36 | 8 11 | 0 32 | 13 10 | 1 51 | 5 58 | 13 15 | 23 31 | 23 31 | 1 48 | 3 38 | 2 58 |
| T 22 | 9 15 | 17 20 | 2 37 | 14 7 | 1 45 | 20 16 | 0 44 | 12 45 | 1 8 | 7 48 | 1 3 | 19 16 | 0 36 | 8 13 | 0 32 | 13 10 | 1 51 | 5 57 | 13 15 | 23 31 | 23 31 | 1 45 | 3 37 | 2 58 |
| F 23 | 8 54 | 20 32 | 1 37 | 13 29 | 1 47 | 20 7 | 0 40 | 12 31 | 1 8 | 7 43 | 1 3 | 19 14 | 0 37 | 8 14 | 0 32 | 13 10 | 1 51 | 5 57 | 13 15 | 23 31 | 23 30 | 1 42 | 3 36 | 2 58 |
| S 24 | 8 32 | 22 50 | 0 31 | 12 49 | 1 48 | 19 57 | 0 36 | 12 17 | 1 8 | 7 38 | 1 3 | 19 12 | 0 37 | 8 15 | 0 32 | 13 10 | 1 51 | 5 57 | 13 16 | 23 31 | 23 30 | 1 40 | 3 35 | 2 58 |
| S 25 | 8 10 | 23 59 | 0s38 | 12 8 | 1 48 | 19 46 | 0 32 | 12 4 | 1 8 | 7 33 | 1 4 | 19 11 | 0 37 | 8 16 | 0 32 | 13 10 | 1 51 | 5 57 | 13 16 | 23 31 | 23 30 | 1 37 | 3 34 | 2 58 |
| M26 | 7 48 | 23 47 | 1 47 | 11 26 | 1 48 | 19 35 | 0 29 | 11 50 | 1 8 | 7 28 | 1 4 | 19 9 | 0 37 | 8 17 | 0 32 | 13 9 | 1 51 | 5 56 | 13 16 | 23 31 | 23 30 | 1 34 | 3 33 | 2 58 |
| T 27 | 7 26 | 22 6 | 2 53 | 10 42 | 1 47 | 19 23 | 0 25 | 11 36 | 1 8 | 7 23 | 1 4 | 19 7 | 0 37 | 8 18 | 0 32 | 13 9 | 1 51 | 5 56 | 13 16 | 23 31 | 23 30 | 1 31 | 3 32 | 2 58 |
| W28 | 7 4 | 18 57 | 3 49 | 9 58 | 1 45 | 19 11 | 0 21 | 11 22 | 1 8 | 7 18 | 1 4 | 19 6 | 0 37 | 8 19 | 0 32 | 13 9 | 1 51 | 5 56 | 13 16 | 23 31 | 23 30 | 1 28 | 3 31 | 2 58 |
| T 29 | 6 41 | 14 29 | 4 32 | 9 13 | 1 43 | 18 58 | 0 17 | 11 8 | 1 8 | 7 13 | 1 4 | 19 4 | 0 37 | 8 21 | 0 32 | 13 9 | 1 51 | 5 55 | 13 17 | 23 31 | 23 30 | 1 26 | 3 30 | 2 58 |
| F 30 | 6 19 | 9 3 | 4 56 | 8 28 | 1 41 | 18 45 | 0 14 | 10 54 | 1 8 | 7 8 | 1 4 | 19 2 | 0 37 | 8 22 | 0 32 | 13 8 | 1 52 | 5 55 | 13 17 | 23 31 | 23 30 | 1 23 | 3 29 | 2 58 |
| S 31 | 5n56 | 3s 2 | 5s 0 | 7n42 | 1n38 | 18n31 | 0s10 | 10n40 | 1n 8 | 7n 3 | 1n 4 | 19n 1 | 0n37 | 8s23 | 0n32 | 13n 8 | 1s52 | 5n55 | 13s17 | 23n31 | 23n30 | 1n20 | 3n28 | 2n58 |

Julian Day Number = 2227871.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'51, Lahiri = 15°18'51 Julian Calendar 1 Aug. 1387 == Greg. Calendar 9 Aug. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## SEPTEMBER 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 11 20 | 15♍57'50 | 19♈ 1 | 16♍10 | 7♌48 | 5♍54 | 14♍50 | 7♌48 | 22♎48 | 10°R 6 | 23°R53 | 28°R29 | 27♊50 | 8♎27 | 1°R50 | S 1 |
| M 2 | 23 15 17 | 16°56'26 | 3♉55 | 18° 0 | 8°59 | 6°32 | 15° 3 | 7°54 | 22°52 | 10♉ 5 | 23♉53 | 28♊22 | 27°47 | 8°33 | 1♈47 | M 2 |
| T 3 | 23 19 13 | 17°55'04 | 18°27 | 19°49 | 10° 9 | 7°11 | 15°16 | 8° 1 | 22°55 | 10° 4 | 23°53 | 28°16 | 27°43 | 8°40 | 1°44 | T 3 |
| W 4 | 23 23 10 | 18°53'45 | 2♊33 | 21°37 | 11°20 | 7°49 | 15°29 | 8° 7 | 22°58 | 10° 3 | 23°52 | 28°14 | 27°40 | 8°47 | 1°42 | W 4 |
| T 5 | 23 27 6 | 19°52'27 | 16°13 | 23°24 | 12°31 | 8°27 | 15°42 | 8°14 | 23° 1 | 10° 2 | 23°52 | 28°D13 | 27°37 | 8°54 | 1°39 | T 5 |
| F 6 | 23 31 3 | 20°51'12 | 29°29 | 25°10 | 13°42 | 9° 6 | 15°55 | 8°20 | 23° 5 | 10° 1 | 23°51 | 28°R13 | 27°34 | 9° 0 | 1°36 | F 6 |
| S 7 | 23 34 59 | 21°50'00 | 12♋23 | 26°55 | 14°53 | 9°44 | 16° 8 | 8°27 | 23° 8 | 10° 0 | 23°51 | 28°13 | 27°31 | 9° 7 | 1°34 | S 7 |
| S 8 | 23 38 56 | 22°48'49 | 25° 1 | 28°39 | 16° 4 | 10°22 | 16°21 | 8°33 | 23°11 | 9°59 | 23°50 | 28°11 | 27°28 | 9°14 | 1°31 | S 8 |
| M 9 | 23 42 53 | 23°47'41 | 7♌25 | 0♎23 | 17°15 | 11° 1 | 16°33 | 8°39 | 23°15 | 9°58 | 23°50 | 28° 6 | 27°24 | 9°20 | 1°28 | M 9 |
| T 10 | 23 46 49 | 24°46'35 | 19°39 | 2° 5 | 18°27 | 11°39 | 16°46 | 8°45 | 23°18 | 9°57 | 23°50 | 27°58 | 27°21 | 9°27 | 1°25 | T 10 |
| W11 | 23 50 46 | 25°45'31 | 1♍45 | 3°46 | 19°38 | 12°18 | 16°59 | 8°51 | 23°22 | 9°56 | 23°49 | 27°48 | 27°18 | 9°34 | 1°22 | W11 |
| T 12 | 23 54 42 | 26°44'30 | 13°45 | 5°27 | 20°50 | 12°56 | 17°12 | 8°58 | 23°25 | 9°55 | 23°48 | 27°35 | 27°15 | 9°41 | 1°20 | T 12 |
| F 13 | 23 58 39 | 27°43'30 | 25°41 | 7° 6 | 22° 2 | 13°34 | 17°25 | 9° 4 | 23°28 | 9°54 | 23°48 | 27°20 | 27°12 | 9°47 | 1°17 | F 13 |
| S 14 | 0 2 35 | 28°42'33 | 7♎34 | 8°45 | 23°13 | 14°13 | 17°38 | 9° 9 | 23°32 | 9°53 | 23°47 | 27° 6 | 27° 8 | 9°54 | 1°14 | S 14 |
| S 15 | 0 6 32 | 29°41'37 | 19°26 | 10°23 | 24°25 | 14°51 | 17°51 | 9°15 | 23°35 | 9°51 | 23°47 | 26°52 | 27° 5 | 10° 1 | 1°11 | S 15 |
| M16 | 0 10 28 | 0♎40'44 | 1♏17 | 12° 0 | 25°37 | 15°30 | 18° 4 | 9°21 | 23°39 | 9°50 | 23°46 | 26°40 | 27° 2 | 10° 8 | 1° 9 | M16 |
| T 17 | 0 14 25 | 1°39'52 | 13°10 | 13°36 | 26°49 | 16° 8 | 18°17 | 9°27 | 23°42 | 9°49 | 23°46 | 26°31 | 26°59 | 10°14 | 1° 6 | T 17 |
| W18 | 0 18 21 | 2°39'02 | 25° 8 | 15°11 | 28° 1 | 16°46 | 18°29 | 9°33 | 23°46 | 9°48 | 23°45 | 26°25 | 26°56 | 10°21 | 1° 3 | W18 |
| T 19 | 0 22 18 | 3°38'15 | 7♐14 | 16°46 | 29°14 | 17°25 | 18°42 | 9°38 | 23°50 | 9°46 | 23°44 | 26°22 | 26°53 | 10°28 | 1° 0 | T 19 |
| F 20 | 0 26 15 | 4°37'29 | 19°33 | 18°20 | 0♍26 | 18° 3 | 18°55 | 9°44 | 23°53 | 9°45 | 23°44 | 26°21 | 26°49 | 10°34 | 0°57 | F 20 |
| S 21 | 0 30 11 | 5°36'45 | 2♑ 9 | 19°53 | 1°38 | 18°42 | 19° 8 | 9°49 | 23°57 | 9°44 | 23°43 | 26°21 | 26°46 | 10°41 | 0°55 | S 21 |
| S 22 | 0 34 8 | 6°36'02 | 15° 7 | 21°25 | 2°51 | 19°20 | 19°20 | 9°54 | 24° 0 | 9°42 | 23°42 | 26°20 | 26°43 | 10°48 | 0°52 | S 22 |
| M23 | 0 38 4 | 7°35'22 | 28°32 | 22°57 | 4° 3 | 19°59 | 19°33 | 10° 0 | 24° 4 | 9°41 | 23°41 | 26°19 | 26°40 | 10°55 | 0°49 | M23 |
| T 24 | 0 42 1 | 8°34'43 | 12♒25 | 24°27 | 5°16 | 20°37 | 19°46 | 10° 5 | 24° 8 | 9°40 | 23°41 | 26°15 | 26°37 | 11° 1 | 0°46 | T 24 |
| W25 | 0 45 57 | 9°34'06 | 26°49 | 25°57 | 6°29 | 21°16 | 19°58 | 10°10 | 24°11 | 9°38 | 23°40 | 26° 9 | 26°34 | 11° 8 | 0°43 | W25 |
| T 26 | 0 49 54 | 10°33'31 | 11♓39 | 27°27 | 7°42 | 21°54 | 20°11 | 10°15 | 24°15 | 9°37 | 23°39 | 26° 1 | 26°30 | 11°15 | 0°41 | T 26 |
| F 27 | 0 53 50 | 11°32'58 | 26°49 | 28°55 | 8°54 | 22°33 | 20°24 | 10°20 | 24°19 | 9°35 | 23°38 | 25°50 | 26°27 | 11°21 | 0°38 | F 27 |
| S 28 | 0 57 47 | 12°32'26 | 12♈10 | 0♏23 | 10° 7 | 23°11 | 20°36 | 10°25 | 24°22 | 9°34 | 23°38 | 25°40 | 26°24 | 11°28 | 0°35 | S 28 |
| S 29 | 1 1 44 | 13°31'57 | 27°30 | 1°50 | 11°20 | 23°50 | 20°49 | 10°30 | 24°26 | 9°33 | 23°37 | 25°30 | 26°21 | 11°35 | 0°33 | S 29 |
| M30 | 1 5 40 | 14♎31'30 | 12♉37 | 3♏16 | 12♍34 | 24♍28 | 21♍ 1 | 10♌35 | 24♎30 | 9♉31 | 23♉36 | 25♊22 | 26♊18 | 11♎42 | 0♈30 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n33 | 3n 7 | 4s42 | 6n55 | 1n34 | 18n17 | 0s 6 | 10n25 | 1n 8 | 6n58 | 1n 4 | 18n59 | 0n38 | 8s24 | 0n32 | 13n 8 | 1s52 | 5n55 | 13s17 | 23n31 | 23n30 | 1n17 | 3n27 | 2n57 |
| M 2 | 5 10 | 9 1 | 4 5 | 6 9 | 1 30 | 18 2 | 0 3 | 10 11 | 1 8 | 6 53 | 1 4 | 18 58 | 0 38 | 8 25 | 0 32 | 13 7 | 1 52 | 5 54 | 13 18 | 23 31 | 23 30 | 1 14 | 3 25 | 2 57 |
| T 3 | 4 47 | 14 16 | 3 14 | 5 22 | 1 26 | 17 46 | 0n 1 | 9 57 | 1 7 | 6 48 | 1 4 | 18 56 | 0 38 | 8 27 | 0 32 | 13 7 | 1 52 | 5 54 | 13 18 | 23 30 | 23 30 | 1 12 | 3 24 | 2 57 |
| W 4 | 4 24 | 18 36 | 2 11 | 4 35 | 1 21 | 17 30 | 0 4 | 9 42 | 1 7 | 6 43 | 1 4 | 18 54 | 0 38 | 8 28 | 0 32 | 13 7 | 1 52 | 5 54 | 13 18 | 23 30 | 23 30 | 1 9 | 3 23 | 2 57 |
| T 5 | 4 1 | 21 45 | 1 3 | 3 48 | 1 16 | 17 14 | 0 8 | 9 28 | 1 7 | 6 38 | 1 4 | 18 53 | 0 38 | 8 29 | 0 32 | 13 6 | 1 52 | 5 53 | 13 18 | 23 30 | 23 30 | 1 6 | 3 22 | 2 57 |
| F 6 | 3 38 | 23 38 | 0n 7 | 3 1 | 1 11 | 16 57 | 0 11 | 9 13 | 1 7 | 6 33 | 1 4 | 18 51 | 0 38 | 8 30 | 0 32 | 13 6 | 1 52 | 5 53 | 13 18 | 23 30 | 23 30 | 1 3 | 3 21 | 2 57 |
| S 7 | 3 15 | 24 10 | 1 14 | 2 14 | 1 5 | 16 39 | 0 15 | 8 59 | 1 7 | 6 28 | 1 4 | 18 50 | 0 38 | 8 32 | 0 32 | 13 6 | 1 52 | 5 53 | 13 19 | 23 30 | 23 30 | 1 0 | 3 20 | 2 57 |
| S 8 | 2 52 | 23 26 | 2 16 | 1 27 | 1 0 | 16 21 | 0 18 | 8 44 | 1 7 | 6 23 | 1 4 | 18 48 | 0 38 | 8 33 | 0 32 | 13 5 | 1 52 | 5 52 | 13 19 | 23 30 | 23 30 | 0 58 | 3 19 | 2 57 |
| M 9 | 2 28 | 21 33 | 3 11 | 0 40 | 0 54 | 16 3 | 0 21 | 8 29 | 1 7 | 6 18 | 1 4 | 18 47 | 0 39 | 8 34 | 0 32 | 13 5 | 1 52 | 5 52 | 13 19 | 23 30 | 23 30 | 0 55 | 3 18 | 2 57 |
| T 10 | 2 5 | 18 42 | 3 56 | 0s 6 | 0 48 | 15 44 | 0 24 | 8 15 | 1 7 | 6 13 | 1 4 | 18 45 | 0 39 | 8 35 | 0 32 | 13 5 | 1 52 | 5 52 | 13 19 | 23 30 | 23 30 | 0 52 | 3 16 | 2 57 |
| W11 | 1 41 | 15 4 | 4 29 | 0 52 | 0 41 | 15 25 | 0 28 | 8 0 | 1 7 | 6 8 | 1 4 | 18 44 | 0 39 | 8 37 | 0 32 | 13 4 | 1 52 | 5 52 | 13 20 | 23 30 | 23 29 | 0 49 | 3 15 | 2 57 |
| T 12 | 1 18 | 10 52 | 4 51 | 1 38 | 0 35 | 15 5 | 0 31 | 7 45 | 1 6 | 6 3 | 1 4 | 18 42 | 0 39 | 8 38 | 0 32 | 13 4 | 1 52 | 5 51 | 13 20 | 23 30 | 23 29 | 0 46 | 3 14 | 2 57 |
| F 13 | 0 54 | 6 17 | 4 59 | 2 24 | 0 28 | 14 45 | 0 34 | 7 30 | 1 6 | 5 58 | 1 4 | 18 41 | 0 39 | 8 39 | 0 32 | 13 3 | 1 52 | 5 51 | 13 20 | 23 30 | 23 29 | 0 44 | 3 13 | 2 57 |
| S 14 | 0 31 | 1 29 | 4 54 | 3 9 | 0 21 | 14 24 | 0 37 | 7 15 | 1 6 | 5 53 | 1 4 | 18 39 | 0 39 | 8 41 | 0 32 | 13 3 | 1 52 | 5 51 | 13 20 | 23 29 | 23 29 | 0 41 | 3 12 | 2 57 |
| S 15 | 0 7 | 3s21 | 4 37 | 3 54 | 0 15 | 14 3 | 0 40 | 7 0 | 1 6 | 5 48 | 1 4 | 18 38 | 0 39 | 8 42 | 0 32 | 13 3 | 1 52 | 5 50 | 13 20 | 23 29 | 23 29 | 0 38 | 3 11 | 2 57 |
| M16 | 0s16 | 8 6 | 4 7 | 4 38 | 0 8 | 13 41 | 0 43 | 6 45 | 1 6 | 5 43 | 1 4 | 18 37 | 0 40 | 8 43 | 0 32 | 13 2 | 1 52 | 5 50 | 13 21 | 23 29 | 23 29 | 0 35 | 3 9 | 2 57 |
| T 17 | 0 40 | 12 33 | 3 27 | 5 22 | 0 1 | 13 20 | 0 45 | 6 30 | 1 6 | 5 38 | 1 5 | 18 35 | 0 40 | 8 45 | 0 32 | 13 2 | 1 52 | 5 50 | 13 21 | 23 28 | 23 29 | 0 32 | 3 8 | 2 57 |
| W18 | 1 3 | 16 34 | 2 37 | 6 6 | 0s 6 | 12 57 | 0 48 | 6 15 | 1 6 | 5 33 | 1 5 | 18 34 | 0 40 | 8 46 | 0 32 | 13 1 | 1 52 | 5 49 | 13 21 | 23 28 | 23 29 | 0 30 | 3 7 | 2 57 |
| T 19 | 1 27 | 19 58 | 1 39 | 6 49 | 0 13 | 12 35 | 0 51 | 6 0 | 1 6 | 5 29 | 1 5 | 18 32 | 0 40 | 8 47 | 0 32 | 13 1 | 1 52 | 5 49 | 13 21 | 23 28 | 23 29 | 0 27 | 3 6 | 2 57 |
| F 20 | 1 51 | 22 31 | 0 36 | 7 31 | 0 20 | 12 12 | 0 54 | 5 44 | 1 5 | 5 24 | 1 5 | 18 31 | 0 40 | 8 49 | 0 32 | 13 0 | 1 52 | 5 49 | 13 21 | 23 28 | 23 29 | 0 24 | 3 5 | 2 56 |
| S 21 | 2 14 | 24 1 | 0s31 | 8 13 | 0 27 | 11 48 | 0 56 | 5 29 | 1 5 | 5 19 | 1 5 | 18 30 | 0 40 | 8 50 | 0 32 | 13 0 | 1 52 | 5 48 | 13 22 | 23 28 | 23 29 | 0 21 | 3 3 | 2 56 |
| S 22 | 2 38 | 24 17 | 1 38 | 8 55 | 0 34 | 11 24 | 0 59 | 5 14 | 1 5 | 5 14 | 1 5 | 18 28 | 0 40 | 8 51 | 0 32 | 12 59 | 1 53 | 5 48 | 13 22 | 23 28 | 23 29 | 0 18 | 3 2 | 2 56 |
| M23 | 3 1 | 23 10 | 2 42 | 9 35 | 0 42 | 11 0 | 1 1 | 4 59 | 1 5 | 5 9 | 1 5 | 18 27 | 0 41 | 8 53 | 0 32 | 12 59 | 1 53 | 5 48 | 13 22 | 23 28 | 23 29 | 0 15 | 3 1 | 2 56 |
| T 24 | 3 25 | 20 37 | 3 38 | 10 16 | 0 49 | 10 36 | 1 4 | 4 43 | 1 5 | 5 4 | 1 5 | 18 26 | 0 41 | 8 54 | 0 32 | 12 59 | 1 53 | 5 47 | 13 22 | 23 28 | 23 29 | 0 13 | 3 0 | 2 56 |
| W25 | 3 48 | 16 44 | 4 23 | 10 55 | 0 56 | 10 11 | 1 6 | 4 28 | 1 5 | 4 59 | 1 5 | 18 25 | 0 41 | 8 55 | 0 32 | 12 58 | 1 53 | 5 47 | 13 22 | 23 28 | 23 28 | 0 10 | 2 59 | 2 56 |
| T 26 | 4 12 | 11 43 | 4 52 | 11 34 | 1 2 | 9 46 | 1 8 | 4 12 | 1 4 | 4 54 | 1 5 | 18 23 | 0 41 | 8 57 | 0 32 | 12 58 | 1 53 | 5 47 | 13 22 | 23 28 | 23 28 | 0 7 | 2 58 | 2 56 |
| F 27 | 4 35 | 5 52 | 5 1 | 12 12 | 1 9 | 9 20 | 1 10 | 3 57 | 1 4 | 4 49 | 1 5 | 18 22 | 0 41 | 8 58 | 0 32 | 12 57 | 1 53 | 5 46 | 13 23 | 23 27 | 23 28 | 0 4 | 2 56 | 2 56 |
| S 28 | 4 58 | 0n23 | 4 49 | 12 50 | 1 16 | 8 55 | 1 12 | 3 42 | 1 4 | 4 44 | 1 5 | 18 21 | 0 41 | 8 59 | 0 32 | 12 57 | 1 53 | 5 46 | 13 23 | 23 27 | 23 28 | 0 1 | 2 55 | 2 56 |
| S 29 | 5 21 | 6 38 | 4 16 | 13 27 | 1 23 | 8 29 | 1 14 | 3 26 | 1 4 | 4 39 | 1 6 | 18 20 | 0 41 | 9 1 | 0 32 | 12 56 | 1 53 | 5 45 | 13 23 | 23 27 | 23 28 | 0s 2 | 2 54 | 2 56 |
| M30 | 5s45 | 12n25 | 3s26 | 14s 3 | 1s29 | 8n 3 | 1n16 | 3n11 | 1n 4 | 4n35 | 1n 6 | 18n19 | 0n42 | 9s 2 | 0n32 | 12n56 | 1s53 | 5n45 | 13s23 | 23n26 | 23n28 | 0s 4 | 2n53 | 2n55 |

Julian Day Number = 2227902.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'55, Lahiri = 15°18'56 Julian Calendar 1 Sept. 1387 == Greg. Calendar 9 Sept. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## OCTOBER 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 9 37 | 15♎31'05 | 27♉22 | 4♏41 | 13♍47 | 25♍ 7 | 21♍13 | 10♌40 | 24♎34 | 9°R30 | 23°R35 | 25°R17 | 26♊14 | 11♎48 | 0°R27 | T 1 |
| W 2 | 1 13 33 | 16°30'43 | 11♊40 | 6° 6 | 15° 0 | 25°46 | 21°26 | 10°44 | 24°37 | 9♉28 | 23♉34 | 25♊14 | 26°11 | 11°55 | 0♈24 | W 2 |
| T 3 | 1 17 30 | 17°30'22 | 25°29 | 7°29 | 16°13 | 26°24 | 21°38 | 10°49 | 24°41 | 9°27 | 23°33 | 25°D13 | 26° 8 | 12° 2 | 0°22 | T 3 |
| F 4 | 1 21 26 | 18°30'04 | 8♋51 | 8°52 | 17°27 | 27° 3 | 21°50 | 10°53 | 24°45 | 9°25 | 23°32 | 25°13 | 26° 5 | 12° 8 | 0°19 | F 4 |
| S 5 | 1 25 23 | 19°29'49 | 21°47 | 10°14 | 18°40 | 27°41 | 22° 3 | 10°57 | 24°49 | 9°23 | 23°32 | 25°R14 | 26° 2 | 12°15 | 0°17 | S 5 |
| S 6 | 1 29 19 | 20°29'36 | 4♌23 | 11°35 | 19°54 | 28°20 | 22°15 | 11° 2 | 24°52 | 9°22 | 23°31 | 25°13 | 25°59 | 12°22 | 0°14 | S 6 |
| M 7 | 1 33 16 | 21°29'24 | 16°42 | 12°55 | 21° 7 | 28°59 | 22°27 | 11° 6 | 24°56 | 9°20 | 23°30 | 25°10 | 25°55 | 12°29 | 0°11 | M 7 |
| T 8 | 1 37 13 | 22°29'15 | 28°50 | 14°13 | 22°21 | 29°37 | 22°39 | 11°10 | 25° 0 | 9°19 | 23°29 | 25° 4 | 25°52 | 12°35 | 0° 9 | T 8 |
| W 9 | 1 41 9 | 23°29'09 | 10♍49 | 15°31 | 23°35 | 0♎16 | 22°51 | 11°14 | 25° 4 | 9°17 | 23°28 | 24°56 | 25°49 | 12°42 | 0° 6 | W 9 |
| T 10 | 1 45 6 | 24°29'04 | 22°43 | 16°47 | 24°48 | 0°55 | 23° 3 | 11°18 | 25° 7 | 9°15 | 23°27 | 24°45 | 25°46 | 12°49 | 0° 4 | T 10 |
| F 11 | 1 49 2 | 25°29'01 | 4♎35 | 18° 2 | 26° 2 | 1°34 | 23°15 | 11°22 | 25°11 | 9°14 | 23°26 | 24°34 | 25°43 | 12°55 | 0° 1 | F 11 |
| S 12 | 1 52 59 | 26°29'01 | 16°27 | 19°15 | 27°16 | 2°12 | 23°27 | 11°25 | 25°15 | 9°12 | 23°25 | 24°22 | 25°39 | 13° 2 | 29♓59 | S 12 |
| S 13 | 1 56 55 | 27°29'02 | 28°20 | 20°26 | 28°30 | 2°51 | 23°39 | 11°29 | 25°19 | 9°10 | 23°24 | 24°11 | 25°36 | 13° 9 | 29°57 | S 13 |
| M14 | 2 0 52 | 28°29'06 | 10♏15 | 21°36 | 29°44 | 3°30 | 23°51 | 11°33 | 25°22 | 9° 9 | 23°23 | 24° 1 | 25°33 | 13°16 | 29°54 | M14 |
| T 15 | 2 4 48 | 29°29'11 | 22°14 | 22°43 | 0♎58 | 4° 8 | 24° 2 | 11°36 | 25°26 | 9° 7 | 23°22 | 23°54 | 25°30 | 13°22 | 29°52 | T 15 |
| W16 | 2 8 45 | 0♏29'18 | 4♐20 | 23°48 | 2°12 | 4°47 | 24°14 | 11°39 | 25°30 | 9° 6 | 23°21 | 23°50 | 25°27 | 13°29 | 29°49 | W16 |
| T 17 | 2 12 42 | 1°29'27 | 16°33 | 24°51 | 3°26 | 5°26 | 24°26 | 11°43 | 25°34 | 9° 4 | 23°20 | 23°47 | 25°24 | 13°36 | 29°47 | T 17 |
| F 18 | 2 16 38 | 2°29'37 | 28°57 | 25°50 | 4°41 | 6° 5 | 24°37 | 11°46 | 25°38 | 9° 2 | 23°19 | 23°D47 | 25°20 | 13°42 | 29°45 | F 18 |
| S 19 | 2 20 35 | 3°29'50 | 11♑36 | 26°46 | 5°55 | 6°44 | 24°49 | 11°49 | 25°41 | 9° 0 | 23°18 | 23°48 | 25°17 | 13°49 | 29°43 | S 19 |
| S 20 | 2 24 31 | 4°30'03 | 24°34 | 27°39 | 7° 9 | 7°22 | 25° 0 | 11°52 | 25°45 | 8°59 | 23°17 | 23°49 | 25°14 | 13°56 | 29°41 | S 20 |
| M21 | 2 28 28 | 5°30'19 | 7♒52 | 28°27 | 8°24 | 8° 1 | 25°11 | 11°55 | 25°49 | 8°57 | 23°16 | 23°R50 | 25°11 | 14° 3 | 29°38 | M21 |
| T 22 | 2 32 24 | 6°30'35 | 21°36 | 29°11 | 9°38 | 8°40 | 25°23 | 11°57 | 25°52 | 8°55 | 23°14 | 23°49 | 25° 8 | 14° 9 | 29°36 | T 22 |
| W23 | 2 36 21 | 7°30'53 | 5♓45 | 29°50 | 10°52 | 9°19 | 25°34 | 12° 0 | 25°56 | 8°54 | 23°13 | 23°45 | 25° 5 | 14°16 | 29°34 | W23 |
| T 24 | 2 40 17 | 8°31'13 | 20°19 | 0♈23 | 12° 7 | 9°58 | 25°45 | 12° 3 | 26° 0 | 8°52 | 23°12 | 23°41 | 25° 1 | 14°23 | 29°32 | T 24 |
| F 25 | 2 44 14 | 9°31'33 | 5♈13 | 0°50 | 13°21 | 10°37 | 25°56 | 12° 5 | 26° 4 | 8°50 | 23°11 | 23°34 | 24°58 | 14°30 | 29°30 | F 25 |
| S 26 | 2 48 11 | 10°31'56 | 20°21 | 1°10 | 14°36 | 11°15 | 26° 7 | 12° 7 | 26° 7 | 8°49 | 23°10 | 23°27 | 24°55 | 14°36 | 29°28 | S 26 |
| S 27 | 2 52 7 | 11°32'20 | 5♉33 | 1°22 | 15°50 | 11°54 | 26°18 | 12° 9 | 26°11 | 8°47 | 23° 9 | 23°21 | 24°52 | 14°43 | 29°26 | S 27 |
| M28 | 2 56 4 | 12°32'45 | 20°37 | 1°R26 | 17° 5 | 12°33 | 26°29 | 12°12 | 26°15 | 8°45 | 23° 8 | 23°16 | 24°49 | 14°50 | 29°24 | M28 |
| T 29 | 3 0 0 | 13°33'13 | 5♊26 | 1°20 | 18°20 | 13°12 | 26°39 | 12°14 | 26°18 | 8°44 | 23° 7 | 23°13 | 24°45 | 14°56 | 29°23 | T 29 |
| W30 | 3 3 57 | 14°33'42 | 19°51 | 1° 5 | 19°34 | 13°51 | 26°50 | 12°16 | 26°22 | 8°42 | 23° 6 | 23°D12 | 24°42 | 15° 3 | 29°21 | W30 |
| T 31 | 3 7 53 | 15♏34'13 | 3♋49 | 0♐39 | 20♎49 | 14♎30 | 27♍ 1 | 12♌17 | 26♎25 | 8♉40 | 23♉ 5 | 23♊12 | 24♊39 | 15♎10 | 29♓19 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s 8 | 17n20 | 2s22 | 14s38 | 1s36 | 7n36 | 1n18 | 2n55 | 1n 4 | 4n30 | 1n 6 | 18n17 | 0n42 | 9s 4 | 0n32 | 12n55 | 1s53 | 5n45 | 13s23 | 23n26 | 23n28 | 0s 7 | 2n52 | 2n55 |
| W 2 | 6 31 | 21 5 | 1 11 | 15 12 | 1 42 | 7 9 | 1 20 | 2 40 | 1 3 | 4 25 | 1 6 | 18 16 | 0 42 | 9 5 | 0 32 | 12 55 | 1 53 | 5 44 | 13 23 | 23 26 | 23 28 | 0 10 | 2 50 | 2 55 |
| T 3 | 6 54 | 23 28 | 0n 1 | 15 46 | 1 49 | 6 42 | 1 22 | 2 24 | 1 3 | 4 20 | 1 6 | 18 15 | 0 42 | 9 6 | 0 32 | 12 54 | 1 53 | 5 44 | 13 23 | 23 26 | 23 28 | 0 13 | 2 49 | 2 55 |
| F 4 | 7 16 | 24 25 | 1 12 | 16 19 | 1 55 | 6 15 | 1 23 | 2 8 | 1 3 | 4 15 | 1 6 | 18 14 | 0 42 | 9 8 | 0 32 | 12 54 | 1 53 | 5 44 | 13 24 | 23 26 | 23 28 | 0 16 | 2 48 | 2 55 |
| S 5 | 7 39 | 24 0 | 2 16 | 16 50 | 2 0 | 5 48 | 1 25 | 1 53 | 1 3 | 4 11 | 1 6 | 18 13 | 0 42 | 9 9 | 0 31 | 12 53 | 1 53 | 5 43 | 13 24 | 23 26 | 23 28 | 0 19 | 2 47 | 2 55 |
| S 6 | 8 2 | 22 21 | 3 13 | 17 21 | 2 6 | 5 20 | 1 26 | 1 37 | 1 3 | 4 6 | 1 6 | 18 12 | 0 43 | 9 10 | 0 31 | 12 53 | 1 53 | 5 43 | 13 24 | 23 26 | 23 27 | 0 21 | 2 46 | 2 55 |
| M 7 | 8 24 | 19 40 | 3 58 | 17 51 | 2 11 | 4 53 | 1 28 | 1 22 | 1 2 | 4 1 | 1 6 | 18 11 | 0 43 | 9 12 | 0 31 | 12 52 | 1 53 | 5 43 | 13 24 | 23 26 | 23 27 | 0 24 | 2 45 | 2 55 |
| T 8 | 8 47 | 16 10 | 4 33 | 18 20 | 2 17 | 4 25 | 1 29 | 1 6 | 1 2 | 3 57 | 1 6 | 18 10 | 0 43 | 9 13 | 0 31 | 12 52 | 1 53 | 5 42 | 13 24 | 23 26 | 23 27 | 0 27 | 2 43 | 2 54 |
| W 9 | 9 9 | 12 4 | 4 54 | 18 48 | 2 22 | 3 56 | 1 30 | 0 50 | 1 2 | 3 52 | 1 7 | 18 9 | 0 43 | 9 15 | 0 31 | 12 51 | 1 53 | 5 42 | 13 24 | 23 25 | 23 27 | 0 30 | 2 42 | 2 54 |
| T 10 | 9 31 | 7 32 | 5 3 | 19 15 | 2 26 | 3 28 | 1 32 | 0 35 | 1 2 | 3 47 | 1 7 | 18 8 | 0 43 | 9 16 | 0 31 | 12 50 | 1 53 | 5 42 | 13 24 | 23 25 | 23 27 | 0 33 | 2 41 | 2 54 |
| F 11 | 9 53 | 2 44 | 4 59 | 19 40 | 2 31 | 3 0 | 1 33 | 0 19 | 1 2 | 3 43 | 1 7 | 18 7 | 0 43 | 9 17 | 0 31 | 12 50 | 1 53 | 5 41 | 13 24 | 23 24 | 23 27 | 0 36 | 2 40 | 2 54 |
| S 12 | 10 15 | 2s 9 | 4 42 | 20 4 | 2 35 | 2 31 | 1 34 | 0 4 | 1 1 | 3 38 | 1 7 | 18 7 | 0 44 | 9 19 | 0 31 | 12 49 | 1 53 | 5 41 | 13 24 | 23 24 | 23 27 | 0 38 | 2 39 | 2 54 |
| S 13 | 10 37 | 6 59 | 4 12 | 20 27 | 2 38 | 2 3 | 1 35 | 0s12 | 1 1 | 3 33 | 1 7 | 18 6 | 0 44 | 9 20 | 0 31 | 12 49 | 1 53 | 5 41 | 13 25 | 23 23 | 23 27 | 0 41 | 2 38 | 2 54 |
| M14 | 10 58 | 11 36 | 3 31 | 20 49 | 2 41 | 1 34 | 1 35 | 0 28 | 1 1 | 3 29 | 1 7 | 18 5 | 0 44 | 9 22 | 0 31 | 12 48 | 1 53 | 5 41 | 13 25 | 23 23 | 23 27 | 0 44 | 2 37 | 2 54 |
| T 15 | 11 20 | 15 48 | 2 41 | 21 10 | 2 44 | 1 5 | 1 36 | 0 43 | 1 1 | 3 24 | 1 7 | 18 4 | 0 44 | 9 23 | 0 31 | 12 48 | 1 53 | 5 40 | 13 25 | 23 23 | 23 27 | 0 47 | 2 36 | 2 53 |
| W16 | 11 41 | 19 24 | 1 43 | 21 28 | 2 47 | 0 36 | 1 37 | 0 59 | 1 1 | 3 20 | 1 7 | 18 3 | 0 44 | 9 24 | 0 31 | 12 47 | 1 53 | 5 40 | 13 25 | 23 22 | 23 26 | 0 50 | 2 35 | 2 53 |
| T 17 | 12 2 | 22 12 | 0 39 | 21 46 | 2 48 | 0 7 | 1 38 | 1 15 | 1 0 | 3 15 | 1 8 | 18 3 | 0 44 | 9 26 | 0 31 | 12 47 | 1 53 | 5 40 | 13 25 | 23 22 | 23 26 | 0 53 | 2 34 | 2 53 |
| F 18 | 12 23 | 23 59 | 0s28 | 22 1 | 2 49 | 0s22 | 1 38 | 1 30 | 1 0 | 3 11 | 1 8 | 18 2 | 0 45 | 9 27 | 0 31 | 12 46 | 1 53 | 5 39 | 13 25 | 23 22 | 23 26 | 0 56 | 2 33 | 2 53 |
| S 19 | 12 43 | 24 35 | 1 35 | 22 15 | 2 50 | 0 51 | 1 39 | 1 46 | 1 0 | 3 6 | 1 8 | 18 1 | 0 45 | 9 28 | 0 31 | 12 46 | 1 53 | 5 39 | 13 25 | 23 22 | 23 26 | 0 58 | 2 32 | 2 53 |
| S 20 | 13 4 | 23 52 | 2 38 | 22 27 | 2 50 | 1 20 | 1 39 | 2 1 | 1 0 | 3 2 | 1 8 | 18 0 | 0 45 | 9 30 | 0 31 | 12 45 | 1 53 | 5 39 | 13 25 | 23 22 | 23 26 | 1 1 | 2 30 | 2 53 |
| M21 | 13 24 | 21 49 | 3 35 | 22 38 | 2 49 | 1 49 | 1 39 | 2 17 | 0 59 | 2 58 | 1 8 | 18 0 | 0 45 | 9 31 | 0 31 | 12 45 | 1 53 | 5 38 | 13 25 | 23 22 | 23 26 | 1 4 | 2 29 | 2 52 |
| T 22 | 13 44 | 18 28 | 4 21 | 22 46 | 2 47 | 2 18 | 1 40 | 2 33 | 0 59 | 2 53 | 1 8 | 17 59 | 0 45 | 9 32 | 0 31 | 12 44 | 1 53 | 5 38 | 13 25 | 23 22 | 23 26 | 1 7 | 2 28 | 2 52 |
| W23 | 14 4 | 13 58 | 4 54 | 22 51 | 2 44 | 2 47 | 1 40 | 2 48 | 0 59 | 2 49 | 1 8 | 17 59 | 0 45 | 9 34 | 0 31 | 12 44 | 1 53 | 5 38 | 13 25 | 23 22 | 23 26 | 1 10 | 2 27 | 2 52 |
| T 24 | 14 23 | 8 34 | 5 8 | 22 55 | 2 41 | 3 16 | 1 40 | 3 4 | 0 59 | 2 45 | 1 9 | 17 58 | 0 46 | 9 35 | 0 31 | 12 43 | 1 53 | 5 37 | 13 25 | 23 22 | 23 26 | 1 13 | 2 27 | 2 52 |
| F 25 | 14 43 | 2 32 | 5 2 | 22 56 | 2 36 | 3 45 | 1 40 | 3 19 | 0 58 | 2 40 | 1 9 | 17 58 | 0 46 | 9 37 | 0 31 | 12 42 | 1 53 | 5 37 | 13 25 | 23 22 | 23 25 | 1 16 | 2 26 | 2 52 |
| S 26 | 15 2 | 3n43 | 4 36 | 22 54 | 2 29 | 4 14 | 1 40 | 3 35 | 0 58 | 2 36 | 1 9 | 17 57 | 0 46 | 9 38 | 0 31 | 12 42 | 1 53 | 5 37 | 13 25 | 23 21 | 23 25 | 1 18 | 2 25 | 2 52 |
| S 27 | 15 21 | 9 48 | 3 49 | 22 49 | 2 22 | 4 43 | 1 40 | 3 50 | 0 58 | 2 32 | 1 9 | 17 57 | 0 46 | 9 39 | 0 31 | 12 41 | 1 53 | 5 37 | 13 25 | 23 21 | 23 25 | 1 21 | 2 24 | 2 51 |
| M28 | 15 39 | 15 17 | 2 47 | 22 41 | 2 13 | 5 12 | 1 39 | 4 6 | 0 58 | 2 28 | 1 9 | 17 56 | 0 46 | 9 41 | 0 31 | 12 41 | 1 53 | 5 36 | 13 25 | 23 21 | 23 25 | 1 24 | 2 23 | 2 51 |
| T 29 | 15 58 | 19 43 | 1 35 | 22 30 | 2 3 | 5 41 | 1 39 | 4 21 | 0 57 | 2 24 | 1 9 | 17 56 | 0 46 | 9 42 | 0 31 | 12 40 | 1 53 | 5 36 | 13 25 | 23 21 | 23 25 | 1 27 | 2 22 | 2 51 |
| W30 | 16 16 | 22 50 | 0 18 | 22 15 | 1 51 | 6 10 | 1 39 | 4 36 | 0 57 | 2 20 | 1 10 | 17 55 | 0 47 | 9 43 | 0 31 | 12 40 | 1 53 | 5 36 | 13 25 | 23 21 | 23 25 | 1 30 | 2 21 | 2 51 |
| T 31 | 16s33 | 24n25 | 0n58 | 21s56 | 1s37 | 6s38 | 1n38 | 4s52 | 0n57 | 2n15 | 1n10 | 17n55 | 0n47 | 9s44 | 0n31 | 12n39 | 1s53 | 5n35 | 13s25 | 23n21 | 23n25 | 1s33 | 2n20 | 2n51 |

Julian Day Number = 2227932.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°11'59, Lahiri = 15°19'00 Julian Calendar 1 Oct. 1387 == Greg. Calendar 9 Oct. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## NOVEMBER 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 11 50 | 16♏34'46 | 17♋20 | 0°R 3 | 22♎ 4 | 15♎ 9 | 27♍11 | 12♌19 | 26♎29 | 8°R39 | 23°R 3 | 23♊13 | 24♊36 | 15♎17 | 29°R17 | F 1 |
| S 2 | 3 15 46 | 17°35'20 | 0♌23 | 29♏17 | 23°19 | 15°48 | 27°21 | 12°21 | 26°33 | 8♉37 | 23♉ 2 | 23°15 | 24°33 | 15°23 | 29♓16 | S 2 |
| S 3 | 3 19 43 | 18°35'57 | 13° 4 | 28°21 | 24°33 | 16°27 | 27°32 | 12°22 | 26°36 | 8°35 | 23° 1 | 23°R16 | 24°30 | 15°30 | 29°14 | S 3 |
| M 4 | 3 23 40 | 19°36'35 | 25°26 | 27°16 | 25°48 | 17° 6 | 27°42 | 12°23 | 26°40 | 8°34 | 23° 0 | 23°16 | 24°26 | 15°37 | 29°13 | M 4 |
| T 5 | 3 27 36 | 20°37'14 | 7♍33 | 26° 3 | 27° 3 | 17°45 | 27°52 | 12°25 | 26°43 | 8°32 | 22°59 | 23°14 | 24°23 | 15°43 | 29°11 | T 5 |
| W 6 | 3 31 33 | 21°37'56 | 19°31 | 24°45 | 28°18 | 18°24 | 28° 2 | 12°26 | 26°47 | 8°30 | 22°58 | 23°11 | 24°20 | 15°50 | 29°10 | W 6 |
| T 7 | 3 35 29 | 22°38'39 | 1♎24 | 23°23 | 29°33 | 19° 3 | 28°12 | 12°27 | 26°50 | 8°29 | 22°57 | 23° 7 | 24°17 | 15°57 | 29° 8 | T 7 |
| F 8 | 3 39 26 | 23°39'23 | 13°14 | 22° 1 | 0♏48 | 19°42 | 28°22 | 12°28 | 26°54 | 8°27 | 22°56 | 23° 2 | 24°14 | 16° 4 | 29° 7 | F 8 |
| S 9 | 3 43 22 | 24°40'09 | 25° 7 | 20°42 | 2° 3 | 20°21 | 28°32 | 12°29 | 26°57 | 8°25 | 22°54 | 22°56 | 24°11 | 16°10 | 29° 6 | S 9 |
| S 10 | 3 47 19 | 25°40'57 | 7♏ 3 | 19°27 | 3°18 | 21° 0 | 28°41 | 12°29 | 27° 1 | 8°24 | 22°53 | 22°51 | 24° 7 | 16°17 | 29° 4 | S 10 |
| M11 | 3 51 15 | 26°41'46 | 19° 5 | 18°19 | 4°33 | 21°40 | 28°51 | 12°30 | 27° 4 | 8°22 | 22°52 | 22°47 | 24° 4 | 16°24 | 29° 3 | M11 |
| T 12 | 3 55 12 | 27°42'36 | 1♐15 | 17°21 | 5°48 | 22°19 | 29° 0 | 12°30 | 27° 8 | 8°21 | 22°51 | 22°44 | 24° 1 | 16°30 | 29° 2 | T 12 |
| W13 | 3 59 9 | 28°43'27 | 13°33 | 16°33 | 7° 3 | 22°58 | 29°10 | 12°31 | 27°11 | 8°19 | 22°50 | 22°43 | 23°58 | 16°37 | 29° 1 | W13 |
| T 14 | 4 3 5 | 29°44'20 | 26° 2 | 15°56 | 8°18 | 23°37 | 29°19 | 12°31 | 27°14 | 8°17 | 22°49 | 22°D42 | 23°55 | 16°44 | 29° 0 | T 14 |
| F 15 | 4 7 2 | 0♐45'14 | 8♑42 | 15°31 | 9°33 | 24°16 | 29°28 | 12°31 | 27°18 | 8°16 | 22°48 | 22°43 | 23°51 | 16°51 | 28°59 | F 15 |
| S 16 | 4 10 58 | 1°46'09 | 21°34 | 15°17 | 10°49 | 24°55 | 29°37 | 12°R31 | 27°21 | 8°14 | 22°47 | 22°44 | 23°48 | 16°57 | 28°58 | S 16 |
| S 17 | 4 14 55 | 2°47'04 | 4♒41 | 15°D14 | 12° 4 | 25°34 | 29°46 | 12°31 | 27°24 | 8°13 | 22°45 | 22°46 | 23°45 | 17° 4 | 28°57 | S 17 |
| M18 | 4 18 51 | 3°48'00 | 18° 5 | 15°22 | 13°19 | 26°14 | 29°54 | 12°31 | 27°27 | 8°11 | 22°44 | 22°47 | 23°42 | 17°11 | 28°56 | M18 |
| T 19 | 4 22 48 | 4°48'57 | 1♓45 | 15°39 | 14°34 | 26°53 | 0♎ 3 | 12°30 | 27°31 | 8°10 | 22°43 | 22°R48 | 23°39 | 17°17 | 28°56 | T 19 |
| W20 | 4 26 44 | 5°49'55 | 15°44 | 16° 5 | 15°49 | 27°32 | 0°12 | 12°30 | 27°34 | 8° 8 | 22°42 | 22°48 | 23°36 | 17°24 | 28°55 | W20 |
| T 21 | 4 30 41 | 6°50'53 | 0♈ 0 | 16°39 | 17° 4 | 28°11 | 0°20 | 12°29 | 27°37 | 8° 7 | 22°41 | 22°47 | 23°32 | 17°31 | 28°54 | T 21 |
| F 22 | 4 34 38 | 7°51'52 | 14°32 | 17°20 | 18°20 | 28°50 | 0°28 | 12°29 | 27°40 | 8° 6 | 22°40 | 22°45 | 23°29 | 17°37 | 28°54 | F 22 |
| S 23 | 4 38 34 | 8°52'52 | 29°14 | 18° 7 | 19°35 | 29°30 | 0°36 | 12°28 | 27°43 | 8° 4 | 22°39 | 22°43 | 23°26 | 17°44 | 28°53 | S 23 |
| S 24 | 4 42 31 | 9°53'52 | 14♉ 0 | 18°59 | 20°50 | 0♏ 9 | 0°44 | 12°27 | 27°46 | 8° 3 | 22°38 | 22°41 | 23°23 | 17°51 | 28°52 | S 24 |
| M25 | 4 46 27 | 10°54'53 | 28°45 | 19°57 | 22° 5 | 0°48 | 0°52 | 12°26 | 27°49 | 8° 1 | 22°37 | 22°40 | 23°20 | 17°58 | 28°52 | M25 |
| T 26 | 4 50 24 | 11°55'55 | 13♊19 | 20°58 | 23°21 | 1°28 | 1° 0 | 12°25 | 27°52 | 8° 0 | 22°36 | 22°40 | 23°17 | 18° 4 | 28°52 | T 26 |
| W27 | 4 54 20 | 12°56'57 | 27°37 | 22° 3 | 24°36 | 2° 7 | 1° 8 | 12°24 | 27°55 | 7°59 | 22°35 | 22°D39 | 23°13 | 18°11 | 28°51 | W27 |
| T 28 | 4 58 17 | 13°58'01 | 11♋35 | 23°12 | 25°51 | 2°46 | 1°15 | 12°22 | 27°58 | 7°57 | 22°33 | 22°40 | 23°10 | 18°18 | 28°51 | T 28 |
| F 29 | 5 2 13 | 14°59'05 | 25° 8 | 24°23 | 27° 7 | 3°25 | 1°22 | 12°21 | 28° 1 | 7°56 | 22°32 | 22°41 | 23° 7 | 18°24 | 28°51 | F 29 |
| S 30 | 5 6 10 | 16♐ 0'10 | 8♌18 | 25♏37 | 28♏22 | 4♏ 5 | 1♎30 | 12♌19 | 28♎ 4 | 7♉55 | 22♉31 | 22♊41 | 23♊ 4 | 18♎31 | 28♓51 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s51 | 24n30 | 2n 8 | 21s34 | 1s22 | 7s 7 | 1n38 | 5s 7 | 0n56 | 2n11 | 1n10 | 17n55 | 0n47 | 9s46 | 0n31 | 12n39 | 1s53 | 5n35 | 13s25 | 23n21 | 23n25 | 1s36 | 2n19 | 2n50 |
| S 2 | 17 8 | 23 12 | 3 9 | 21 8 | 1 5 | 7 35 | 1 37 | 5 22 | 0 56 | 2 7 | 1 10 | 17 55 | 0 47 | 9 47 | 0 31 | 12 38 | 1 53 | 5 35 | 13 25 | 23 21 | 23 24 | 1 38 | 2 18 | 2 50 |
| S 3 | 17 25 | 20 46 | 3 59 | 20 37 | 0 47 | 8 3 | 1 36 | 5 38 | 0 56 | 2 3 | 1 10 | 17 54 | 0 47 | 9 48 | 0 31 | 12 38 | 1 53 | 5 35 | 13 25 | 23 21 | 23 24 | 1 41 | 2 18 | 2 50 |
| M 4 | 17 42 | 17 25 | 4 36 | 20 4 | 0 28 | 8 31 | 1 36 | 5 53 | 0 56 | 2 0 | 1 10 | 17 54 | 0 48 | 9 50 | 0 31 | 12 37 | 1 53 | 5 34 | 13 25 | 23 21 | 23 24 | 1 44 | 2 17 | 2 50 |
| T 5 | 17 58 | 13 24 | 5 1 | 19 27 | 0 8 | 8 59 | 1 35 | 6 8 | 0 55 | 1 56 | 1 11 | 17 54 | 0 48 | 9 51 | 0 31 | 12 37 | 1 53 | 5 34 | 13 25 | 23 21 | 23 24 | 1 47 | 2 16 | 2 50 |
| W 6 | 18 14 | 8 56 | 5 11 | 18 49 | 0n13 | 9 27 | 1 34 | 6 23 | 0 55 | 1 52 | 1 11 | 17 54 | 0 48 | 9 52 | 0 31 | 12 36 | 1 53 | 5 34 | 13 25 | 23 21 | 23 24 | 1 50 | 2 15 | 2 49 |
| T 7 | 18 30 | 4 10 | 5 9 | 18 9 | 0 33 | 9 54 | 1 33 | 6 39 | 0 55 | 1 48 | 1 11 | 17 54 | 0 48 | 9 53 | 0 31 | 12 36 | 1 53 | 5 34 | 13 25 | 23 20 | 23 24 | 1 53 | 2 15 | 2 49 |
| F 8 | 18 45 | 0s45 | 4 53 | 17 28 | 0 53 | 10 21 | 1 32 | 6 54 | 0 54 | 1 44 | 1 11 | 17 54 | 0 48 | 9 55 | 0 31 | 12 35 | 1 53 | 5 33 | 13 25 | 23 20 | 23 24 | 1 56 | 2 14 | 2 49 |
| S 9 | 19 0 | 5 38 | 4 25 | 16 49 | 1 12 | 10 48 | 1 31 | 7 9 | 0 54 | 1 41 | 1 11 | 17 54 | 0 48 | 9 56 | 0 31 | 12 35 | 1 53 | 5 33 | 13 25 | 23 20 | 23 23 | 1 58 | 2 13 | 2 49 |
| S 10 | 19 15 | 10 22 | 3 45 | 16 12 | 1 30 | 11 15 | 1 30 | 7 24 | 0 54 | 1 37 | 1 11 | 17 54 | 0 49 | 9 57 | 0 31 | 12 34 | 1 53 | 5 33 | 13 25 | 23 20 | 23 23 | 2 1 | 2 12 | 2 49 |
| M11 | 19 29 | 14 45 | 2 54 | 15 39 | 1 46 | 11 41 | 1 29 | 7 39 | 0 53 | 1 33 | 1 12 | 17 54 | 0 49 | 9 58 | 0 31 | 12 34 | 1 53 | 5 33 | 13 25 | 23 19 | 23 23 | 2 4 | 2 12 | 2 48 |
| T 12 | 19 43 | 18 36 | 1 55 | 15 9 | 2 0 | 12 8 | 1 27 | 7 54 | 0 53 | 1 30 | 1 12 | 17 54 | 0 49 | 10 0 | 0 31 | 12 33 | 1 53 | 5 33 | 13 25 | 23 19 | 23 23 | 2 7 | 2 11 | 2 48 |
| W13 | 19 56 | 21 40 | 0 50 | 14 44 | 2 11 | 12 34 | 1 26 | 8 8 | 0 53 | 1 26 | 1 12 | 17 54 | 0 49 | 10 1 | 0 31 | 12 33 | 1 53 | 5 32 | 13 25 | 23 19 | 23 23 | 2 10 | 2 10 | 2 48 |
| T 14 | 20 10 | 23 46 | 0s18 | 14 25 | 2 21 | 12 59 | 1 25 | 8 23 | 0 52 | 1 23 | 1 12 | 17 54 | 0 49 | 10 2 | 0 31 | 12 32 | 1 53 | 5 32 | 13 25 | 23 19 | 23 23 | 2 13 | 2 10 | 2 48 |
| F 15 | 20 23 | 24 41 | 1 27 | 14 10 | 2 28 | 13 24 | 1 23 | 8 38 | 0 52 | 1 19 | 1 12 | 17 54 | 0 50 | 10 3 | 0 31 | 12 32 | 1 53 | 5 32 | 13 25 | 23 19 | 23 23 | 2 16 | 2 9 | 2 48 |
| S 16 | 20 35 | 24 18 | 2 33 | 14 1 | 2 34 | 13 49 | 1 22 | 8 53 | 0 52 | 1 16 | 1 13 | 17 54 | 0 50 | 10 4 | 0 32 | 12 31 | 1 53 | 5 32 | 13 25 | 23 19 | 23 22 | 2 19 | 2 9 | 2 47 |
| S 17 | 20 47 | 22 34 | 3 31 | 13 57 | 2 38 | 14 14 | 1 20 | 9 7 | 0 51 | 1 12 | 1 13 | 17 54 | 0 50 | 10 6 | 0 32 | 12 31 | 1 53 | 5 32 | 13 25 | 23 19 | 23 22 | 2 21 | 2 8 | 2 47 |
| M18 | 20 59 | 19 35 | 4 20 | 13 57 | 2 39 | 14 38 | 1 19 | 9 22 | 0 51 | 1 9 | 1 13 | 17 55 | 0 50 | 10 7 | 0 32 | 12 30 | 1 53 | 5 31 | 13 25 | 23 19 | 23 22 | 2 24 | 2 8 | 2 47 |
| T 19 | 21 10 | 15 28 | 4 55 | 14 2 | 2 40 | 15 2 | 1 17 | 9 36 | 0 51 | 1 6 | 1 13 | 17 55 | 0 50 | 10 8 | 0 32 | 12 30 | 1 53 | 5 31 | 13 25 | 23 19 | 23 22 | 2 27 | 2 7 | 2 47 |
| W20 | 21 21 | 10 27 | 5 14 | 14 10 | 2 39 | 15 26 | 1 15 | 9 51 | 0 50 | 1 3 | 1 13 | 17 55 | 0 50 | 10 9 | 0 32 | 12 29 | 1 53 | 5 31 | 13 25 | 23 19 | 23 22 | 2 30 | 2 7 | 2 46 |
| T 21 | 21 32 | 4 47 | 5 13 | 14 22 | 2 37 | 15 49 | 1 13 | 10 5 | 0 50 | 1 0 | 1 14 | 17 55 | 0 51 | 10 10 | 0 32 | 12 29 | 1 53 | 5 31 | 13 24 | 23 19 | 23 22 | 2 33 | 2 6 | 2 46 |
| F 22 | 21 42 | 1n14 | 4 54 | 14 36 | 2 34 | 16 12 | 1 12 | 10 20 | 0 50 | 0 56 | 1 14 | 17 56 | 0 51 | 10 11 | 0 32 | 12 29 | 1 53 | 5 31 | 13 24 | 23 19 | 23 21 | 2 36 | 2 6 | 2 46 |
| S 23 | 21 51 | 7 16 | 4 14 | 14 53 | 2 30 | 16 34 | 1 10 | 10 34 | 0 49 | 0 53 | 1 14 | 17 56 | 0 51 | 10 12 | 0 32 | 12 28 | 1 53 | 5 31 | 13 24 | 23 19 | 23 21 | 2 39 | 2 5 | 2 46 |
| S 24 | 22 1 | 12 57 | 3 18 | 15 12 | 2 25 | 16 56 | 1 8 | 10 48 | 0 49 | 0 50 | 1 14 | 17 57 | 0 51 | 10 13 | 0 32 | 12 28 | 1 52 | 5 30 | 13 24 | 23 19 | 23 21 | 2 42 | 2 5 | 2 46 |
| M25 | 22 9 | 17 51 | 2 9 | 15 32 | 2 20 | 17 17 | 1 6 | 11 2 | 0 48 | 0 48 | 1 15 | 17 57 | 0 51 | 10 14 | 0 32 | 12 27 | 1 52 | 5 30 | 13 24 | 23 19 | 23 21 | 2 45 | 2 5 | 2 45 |
| T 26 | 22 18 | 21 37 | 0 52 | 15 54 | 2 14 | 17 38 | 1 4 | 11 16 | 0 48 | 0 45 | 1 15 | 17 58 | 0 52 | 10 15 | 0 32 | 12 27 | 1 52 | 5 30 | 13 24 | 23 19 | 23 21 | 2 47 | 2 4 | 2 45 |
| W27 | 22 26 | 23 57 | 0n27 | 16 17 | 2 8 | 17 59 | 1 2 | 11 30 | 0 48 | 0 42 | 1 15 | 17 58 | 0 52 | 10 17 | 0 32 | 12 27 | 1 52 | 5 30 | 13 24 | 23 19 | 23 21 | 2 50 | 2 4 | 2 45 |
| T 28 | 22 33 | 24 43 | 1 43 | 16 41 | 2 1 | 18 19 | 1 0 | 11 44 | 0 47 | 0 39 | 1 15 | 17 59 | 0 52 | 10 18 | 0 32 | 12 26 | 1 52 | 5 30 | 13 24 | 23 19 | 23 21 | 2 53 | 2 4 | 2 45 |
| F 29 | 22 40 | 23 58 | 2 51 | 17 5 | 1 55 | 18 38 | 0 58 | 11 58 | 0 47 | 0 36 | 1 15 | 17 59 | 0 52 | 10 19 | 0 32 | 12 26 | 1 52 | 5 30 | 13 23 | 23 19 | 23 20 | 2 56 | 2 3 | 2 45 |
| S 30 | 22s47 | 21n54 | 3n47 | 17s29 | 1n47 | 18s57 | 0n56 | 12s12 | 0n46 | 0n34 | 1n16 | 18n 0 | 0n52 | 10s20 | 0n32 | 12n25 | 1s52 | 5n30 | 13s23 | 23n19 | 23n20 | 2s59 | 2n 3 | 2n44 |

Julian Day Number = 2227963.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'04, Lahiri = 15°19'04 Julian Calendar 1 Nov. 1387 == Greg. Calendar 9 Nov. 1387


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# ASTRODIENST EPHEMERIS for the year 1387
# geocentric

## DECEMBER 1387 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 10 7 | 17♐ 1'16 | 21♌ 5 | 26♏53 | 29♏37 | 4♏44 | 1♎37 | 12°R18 | 28♎ 6 | 7°R54 | 22°R30 | 22♊42 | 23♊ 1 | 18♎38 | 28°R51 | S 1 |
| M 2 | 5 14 3 | 18° 2'22 | 3♍32 | 28°11 | 0♐52 | 5°24 | 1°44 | 12♌16 | 28° 9 | 7♉52 | 22♉29 | 22°42 | 22°57 | 18°45 | 28°D51 | M 2 |
| T 3 | 5 18 0 | 19° 3'30 | 15°43 | 29°30 | 2° 8 | 6° 3 | 1°50 | 12°14 | 28°12 | 7°51 | 22°28 | 22°R42 | 22°54 | 18°51 | 28♓51 | T 3 |
| W 4 | 5 21 56 | 20° 4'38 | 27°42 | 0♐51 | 3°23 | 6°42 | 1°57 | 12°12 | 28°15 | 7°50 | 22°27 | 22°42 | 22°51 | 18°58 | 28°51 | W 4 |
| T 5 | 5 25 53 | 21° 5'46 | 9♎35 | 2°13 | 4°39 | 7°22 | 2° 4 | 12°10 | 28°17 | 7°49 | 22°26 | 22°42 | 22°48 | 19° 5 | 28°51 | T 5 |
| F 6 | 5 29 49 | 22° 6'56 | 21°26 | 3°36 | 5°54 | 8° 1 | 2°10 | 12° 8 | 28°20 | 7°48 | 22°25 | 22°42 | 22°45 | 19°11 | 28°51 | F 6 |
| S 7 | 5 33 46 | 23° 8'06 | 3♏20 | 5° 1 | 7° 9 | 8°41 | 2°16 | 12° 6 | 28°22 | 7°47 | 22°24 | 22°D42 | 22°42 | 19°18 | 28°51 | S 7 |
| S 8 | 5 37 42 | 24° 9'17 | 15°19 | 6°26 | 8°25 | 9°20 | 2°22 | 12° 3 | 28°25 | 7°46 | 22°24 | 22°42 | 22°38 | 19°25 | 28°52 | S 8 |
| M 9 | 5 41 39 | 25°10'28 | 27°28 | 7°52 | 9°40 | 10° 0 | 2°28 | 12° 1 | 28°27 | 7°45 | 22°23 | 22°43 | 22°35 | 19°32 | 28°52 | M 9 |
| T 10 | 5 45 36 | 26°11'40 | 9♐48 | 9°18 | 10°55 | 10°39 | 2°34 | 11°58 | 28°30 | 7°44 | 22°22 | 22°43 | 22°32 | 19°38 | 28°52 | T 10 |
| W11 | 5 49 32 | 27°12'52 | 22°22 | 10°45 | 12°11 | 11°18 | 2°39 | 11°55 | 28°32 | 7°43 | 22°21 | 22°R43 | 22°29 | 19°45 | 28°53 | W11 |
| T 12 | 5 53 29 | 28°14'04 | 5♑10 | 12°13 | 13°26 | 11°58 | 2°45 | 11°53 | 28°35 | 7°42 | 22°20 | 22°43 | 22°26 | 19°52 | 28°53 | T 12 |
| F 13 | 5 57 25 | 29°15'16 | 18°13 | 13°42 | 14°42 | 12°37 | 2°50 | 11°50 | 28°37 | 7°41 | 22°19 | 22°42 | 22°23 | 19°58 | 28°54 | F 13 |
| S 14 | 6 1 22 | 0♑16'29 | 1♒30 | 15°11 | 15°57 | 13°17 | 2°55 | 11°47 | 28°39 | 7°40 | 22°18 | 22°42 | 22°19 | 20° 5 | 28°55 | S 14 |
| S 15 | 6 5 18 | 1°17'41 | 14°59 | 16°40 | 17°12 | 13°57 | 3° 0 | 11°44 | 28°41 | 7°39 | 22°17 | 22°40 | 22°16 | 20°12 | 28°55 | S 15 |
| M16 | 6 9 15 | 2°18'53 | 28°40 | 18°10 | 18°28 | 14°36 | 3° 5 | 11°41 | 28°44 | 7°38 | 22°16 | 22°39 | 22°13 | 20°19 | 28°56 | M16 |
| T 17 | 6 13 12 | 3°20'05 | 12♓32 | 19°40 | 19°43 | 15°16 | 3°10 | 11°37 | 28°46 | 7°37 | 22°16 | 22°38 | 22°10 | 20°25 | 28°57 | T 17 |
| W18 | 6 17 8 | 4°21'16 | 26°33 | 21°11 | 20°59 | 15°55 | 3°14 | 11°34 | 28°48 | 7°37 | 22°15 | 22°38 | 22° 7 | 20°32 | 28°58 | W18 |
| T 19 | 6 21 5 | 5°22'27 | 10♈41 | 22°42 | 22°14 | 16°35 | 3°18 | 11°31 | 28°50 | 7°36 | 22°14 | 22°D38 | 22° 3 | 20°39 | 28°59 | T 19 |
| F 20 | 6 25 1 | 6°23'38 | 24°54 | 24°13 | 23°29 | 17°14 | 3°22 | 11°27 | 28°52 | 7°35 | 22°13 | 22°38 | 22° 0 | 20°45 | 29° 0 | F 20 |
| S 21 | 6 28 58 | 7°24'48 | 9♉11 | 25°45 | 24°45 | 17°54 | 3°26 | 11°24 | 28°54 | 7°34 | 22°12 | 22°39 | 21°57 | 20°52 | 29° 1 | S 21 |
| S 22 | 6 32 54 | 8°25'58 | 23°28 | 27°17 | 26° 0 | 18°33 | 3°30 | 11°20 | 28°56 | 7°34 | 22°12 | 22°40 | 21°54 | 20°59 | 29° 2 | S 22 |
| M23 | 6 36 51 | 9°27'07 | 7♊43 | 28°50 | 27°15 | 19°13 | 3°34 | 11°16 | 28°58 | 7°33 | 22°11 | 22°41 | 21°51 | 21° 5 | 29° 3 | M23 |
| T 24 | 6 40 47 | 10°28'16 | 21°50 | 0♑23 | 28°31 | 19°53 | 3°37 | 11°13 | 28°59 | 7°33 | 22°10 | 22°R42 | 21°48 | 21°12 | 29° 4 | T 24 |
| W25 | 6 44 44 | 11°29'24 | 5♋47 | 1°57 | 29°46 | 20°32 | 3°40 | 11° 9 | 29° 1 | 7°32 | 22°10 | 22°41 | 21°44 | 21°19 | 29° 5 | W25 |
| T 26 | 6 48 41 | 12°30'33 | 19°29 | 3°31 | 1♑ 2 | 21°12 | 3°43 | 11° 5 | 29° 3 | 7°31 | 22° 9 | 22°40 | 21°41 | 21°26 | 29° 7 | T 26 |
| F 27 | 6 52 37 | 13°31'40 | 2♌54 | 5° 5 | 2°17 | 21°52 | 3°46 | 11° 1 | 29° 4 | 7°31 | 22° 8 | 22°37 | 21°38 | 21°32 | 29° 8 | F 27 |
| S 28 | 6 56 34 | 14°32'48 | 16° 0 | 6°40 | 3°32 | 22°31 | 3°49 | 10°57 | 29° 6 | 7°31 | 22° 8 | 22°34 | 21°35 | 21°39 | 29° 9 | S 28 |
| S 29 | 7 0 30 | 15°33'55 | 28°47 | 8°16 | 4°48 | 23°11 | 3°51 | 10°53 | 29° 8 | 7°30 | 22° 7 | 22°30 | 21°32 | 21°46 | 29°11 | S 29 |
| M30 | 7 4 27 | 16°35'01 | 11♍16 | 9°52 | 6° 3 | 23°51 | 3°54 | 10°48 | 29° 9 | 7°30 | 22° 6 | 22°27 | 21°29 | 21°52 | 29°12 | M30 |
| T 31 | 7 8 23 | 17♑36'08 | 23♍30 | 11♑28 | 7♑18 | 24♏30 | 3♎56 | 10♌44 | 29♎10 | 7♉29 | 22♉ 6 | 22♊24 | 21♊25 | 21♎59 | 29♓14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s53 | 18n47 | 4n30 | 17s54 | 1n40 | 19s16 | 0n54 | 12s25 | 0n46 | 0n31 | 1n16 | 18n 0 | 0n53 | 10s21 | 0n32 | 12n25 | 1s52 | 5n30 | 13s23 | 23n19 | 23n20 | 3s 2 | 2n 3 | 2n44 |
| M 2 | 22 59 | 14 54 | 5 0 | 18 19 | 1 33 | 19 34 | 0 51 | 12 39 | 0 46 | 0 28 | 1 16 | 18 1 | 0 53 | 10 22 | 0 32 | 12 25 | 1 52 | 5 29 | 13 23 | 23 19 | 23 20 | 3 5 | 2 3 | 2 44 |
| T 3 | 23 4 | 10 29 | 5 15 | 18 44 | 1 25 | 19 51 | 0 49 | 12 52 | 0 45 | 0 26 | 1 16 | 18 2 | 0 53 | 10 23 | 0 32 | 12 24 | 1 52 | 5 29 | 13 23 | 23 19 | 23 20 | 3 8 | 2 2 | 2 44 |
| W 4 | 23 9 | 5 45 | 5 16 | 19 8 | 1 17 | 20 8 | 0 47 | 13 6 | 0 45 | 0 24 | 1 17 | 18 3 | 0 53 | 10 23 | 0 32 | 12 24 | 1 52 | 5 29 | 13 23 | 23 19 | 23 20 | 3 10 | 2 2 | 2 43 |
| T 5 | 23 13 | 0 50 | 5 4 | 19 32 | 1 9 | 20 24 | 0 45 | 13 19 | 0 44 | 0 21 | 1 17 | 18 3 | 0 53 | 10 24 | 0 32 | 12 24 | 1 52 | 5 29 | 13 23 | 23 19 | 23 19 | 3 13 | 2 2 | 2 43 |
| F 6 | 23 17 | 4s 5 | 4 38 | 19 56 | 1 2 | 20 40 | 0 42 | 13 32 | 0 44 | 0 19 | 1 17 | 18 4 | 0 53 | 10 25 | 0 32 | 12 23 | 1 52 | 5 29 | 13 22 | 23 19 | 23 19 | 3 16 | 2 2 | 2 43 |
| S 7 | 23 20 | 8 53 | 4 1 | 20 19 | 0 54 | 20 55 | 0 40 | 13 45 | 0 43 | 0 17 | 1 17 | 18 5 | 0 54 | 10 26 | 0 32 | 12 23 | 1 52 | 5 29 | 13 22 | 23 19 | 23 19 | 3 19 | 2 2 | 2 43 |
| S 8 | 23 23 | 13 24 | 3 13 | 20 42 | 0 46 | 21 10 | 0 38 | 13 58 | 0 43 | 0 14 | 1 18 | 18 6 | 0 54 | 10 27 | 0 32 | 12 23 | 1 52 | 5 29 | 13 22 | 23 19 | 23 19 | 3 22 | 2 2 | 2 43 |
| M 9 | 23 26 | 17 27 | 2 16 | 21 4 | 0 38 | 21 24 | 0 35 | 14 11 | 0 42 | 0 12 | 1 18 | 18 7 | 0 54 | 10 28 | 0 32 | 12 23 | 1 52 | 5 29 | 13 22 | 23 19 | 23 19 | 3 25 | 2 2 | 2 42 |
| T 10 | 23 28 | 20 49 | 1 11 | 21 25 | 0 31 | 21 37 | 0 33 | 14 24 | 0 42 | 0 10 | 1 18 | 18 8 | 0 54 | 10 29 | 0 32 | 12 22 | 1 52 | 5 29 | 13 22 | 23 19 | 23 18 | 3 28 | 2 2 | 2 42 |
| W11 | 23 29 | 23 16 | 0 2 | 21 45 | 0 23 | 21 50 | 0 30 | 14 37 | 0 42 | 0 8 | 1 18 | 18 8 | 0 54 | 10 30 | 0 32 | 12 22 | 1 52 | 5 29 | 13 21 | 23 19 | 23 18 | 3 31 | 2 2 | 2 42 |
| T 12 | 23 30 | 24 34 | 1s 9 | 22 5 | 0 15 | 22 2 | 0 28 | 14 50 | 0 41 | 0 6 | 1 19 | 18 9 | 0 54 | 10 30 | 0 32 | 12 22 | 1 52 | 5 29 | 13 21 | 23 19 | 23 18 | 3 34 | 2 2 | 2 42 |
| F 13 | 23 31 | 24 32 | 2 17 | 22 23 | 0 8 | 22 13 | 0 26 | 15 2 | 0 41 | 0 4 | 1 19 | 18 10 | 0 55 | 10 31 | 0 32 | 12 21 | 1 52 | 5 29 | 13 21 | 23 19 | 23 18 | 3 37 | 2 2 | 2 41 |
| S 14 | 23 31 | 23 7 | 3 19 | 22 41 | 0 1 | 22 24 | 0 23 | 15 15 | 0 40 | 0 3 | 1 19 | 18 11 | 0 55 | 10 32 | 0 32 | 12 21 | 1 52 | 5 29 | 13 21 | 23 19 | 23 18 | 3 39 | 2 2 | 2 41 |
| S 15 | 23 31 | 20 23 | 4 11 | 22 57 | 0s 7 | 22 34 | 0 21 | 15 27 | 0 40 | 0 1 | 1 19 | 18 12 | 0 55 | 10 33 | 0 32 | 12 21 | 1 52 | 5 29 | 13 21 | 23 19 | 23 18 | 3 42 | 2 2 | 2 41 |
| M16 | 23 30 | 16 29 | 4 49 | 23 13 | 0 14 | 22 43 | 0 18 | 15 39 | 0 39 | 0s 1 | 1 20 | 18 13 | 0 55 | 10 34 | 0 32 | 12 21 | 1 51 | 5 29 | 13 20 | 23 19 | 23 17 | 3 45 | 2 2 | 2 41 |
| T 17 | 23 29 | 11 40 | 5 12 | 23 28 | 0 21 | 22 52 | 0 16 | 15 51 | 0 39 | 0 2 | 1 20 | 18 14 | 0 55 | 10 34 | 0 32 | 12 21 | 1 51 | 5 29 | 13 20 | 23 19 | 23 17 | 3 48 | 2 2 | 2 41 |
| W18 | 23 27 | 6 12 | 5 16 | 23 41 | 0 28 | 22 59 | 0 13 | 16 3 | 0 38 | 0 4 | 1 20 | 18 16 | 0 55 | 10 35 | 0 32 | 12 20 | 1 51 | 5 29 | 13 20 | 23 19 | 23 17 | 3 51 | 2 2 | 2 40 |
| T 19 | 23 25 | 0 22 | 5 1 | 23 53 | 0 34 | 23 7 | 0 11 | 16 15 | 0 38 | 0 5 | 1 20 | 18 17 | 0 56 | 10 36 | 0 32 | 12 20 | 1 51 | 5 29 | 13 20 | 23 19 | 23 17 | 3 54 | 2 2 | 2 40 |
| F 20 | 23 22 | 5n31 | 4 28 | 24 4 | 0 41 | 23 13 | 0 8 | 16 27 | 0 37 | 0 7 | 1 21 | 18 18 | 0 56 | 10 36 | 0 32 | 12 20 | 1 51 | 5 29 | 13 20 | 23 19 | 23 17 | 3 57 | 2 3 | 2 40 |
| S 21 | 23 19 | 11 10 | 3 38 | 24 14 | 0 47 | 23 19 | 0 6 | 16 38 | 0 36 | 0 8 | 1 21 | 18 19 | 0 56 | 10 37 | 0 32 | 12 20 | 1 51 | 5 29 | 13 19 | 23 19 | 23 16 | 4 0 | 2 3 | 2 40 |
| S 22 | 23 15 | 16 12 | 2 35 | 24 23 | 0 53 | 23 24 | 0 3 | 16 50 | 0 36 | 0 9 | 1 21 | 18 20 | 0 56 | 10 38 | 0 32 | 12 20 | 1 51 | 5 29 | 13 19 | 23 19 | 23 16 | 4 3 | 2 3 | 2 39 |
| M23 | 23 11 | 20 19 | 1 22 | 24 30 | 0 59 | 23 29 | 0 1 | 17 1 | 0 35 | 0 10 | 1 22 | 18 21 | 0 56 | 10 38 | 0 32 | 12 20 | 1 51 | 5 29 | 13 19 | 23 19 | 23 16 | 4 5 | 2 3 | 2 39 |
| T 24 | 23 6 | 23 11 | 0 5 | 24 36 | 1 5 | 23 32 | 0s 2 | 17 12 | 0 35 | 0 12 | 1 22 | 18 22 | 0 56 | 10 39 | 0 32 | 12 19 | 1 51 | 5 29 | 13 19 | 23 19 | 23 16 | 4 8 | 2 4 | 2 39 |
| W25 | 23 1 | 24 35 | 1n12 | 24 41 | 1 11 | 23 35 | 0 4 | 17 24 | 0 34 | 0 13 | 1 22 | 18 24 | 0 57 | 10 40 | 0 32 | 12 19 | 1 51 | 5 29 | 13 18 | 23 19 | 23 16 | 4 11 | 2 4 | 2 39 |
| T 26 | 22 56 | 24 27 | 2 22 | 24 44 | 1 16 | 23 37 | 0 7 | 17 35 | 0 34 | 0 13 | 1 22 | 18 25 | 0 57 | 10 40 | 0 32 | 12 19 | 1 51 | 5 29 | 13 18 | 23 19 | 23 15 | 4 14 | 2 4 | 2 39 |
| F 27 | 22 50 | 22 53 | 3 24 | 24 46 | 1 21 | 23 39 | 0 9 | 17 45 | 0 33 | 0 14 | 1 23 | 18 26 | 0 57 | 10 41 | 0 32 | 12 19 | 1 51 | 5 29 | 13 18 | 23 19 | 23 15 | 4 17 | 2 4 | 2 38 |
| S 28 | 22 43 | 20 6 | 4 13 | 24 47 | 1 26 | 23 40 | 0 11 | 17 56 | 0 33 | 0 15 | 1 23 | 18 27 | 0 57 | 10 41 | 0 32 | 12 19 | 1 51 | 5 30 | 13 18 | 23 19 | 23 15 | 4 20 | 2 5 | 2 38 |
| S 29 | 22 36 | 16 25 | 4 48 | 24 46 | 1 31 | 23 40 | 0 14 | 18 7 | 0 32 | 0 16 | 1 23 | 18 29 | 0 57 | 10 42 | 0 32 | 12 19 | 1 51 | 5 30 | 13 17 | 23 18 | 23 15 | 4 23 | 2 5 | 2 38 |
| M30 | 22 29 | 12 6 | 5 8 | 24 44 | 1 35 | 23 39 | 0 16 | 18 17 | 0 31 | 0 17 | 1 23 | 18 30 | 0 57 | 10 42 | 0 32 | 12 19 | 1 51 | 5 30 | 13 17 | 23 18 | 23 15 | 4 26 | 2 6 | 2 38 |
| T 31 | 22s21 | 7n23 | 5n14 | 24s40 | 1s39 | 23s38 | 0s19 | 18s28 | 0n31 | 0s17 | 1n24 | 18n31 | 0n58 | 10s43 | 0n32 | 12n19 | 1s51 | 5n30 | 13s17 | 23n18 | 23n14 | 4s29 | 2n 6 | 2n38 |

Julian Day Number = 2227993.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'08, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'08, Lahiri = 15°19'08 Julian Calendar 1 Dec. 1387 == Greg. Calendar 9 Dec. 1387


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## JANUARY 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 12 20 | 18♉37'14 | 5♎32 | 13♉ 5 | 8♉34 | 25♏10 | 3♎58 | 10°R40 | 29♎12 | 7°R29 | 22°R 5 | 22°R21 | 21♊22 | 22♎ 6 | 29♓16 | W 1 |
| T 2 | 7 16 16 | 19°38'20 | 17°26 | 14°42 | 9°49 | 25°50 | 3°59 | 10♌36 | 29°13 | 7♉29 | 22♉ 5 | 22°D21 | 21°19 | 22°13 | 29°17 | T 2 |
| F 3 | 7 20 13 | 20°39'25 | 29°17 | 16°20 | 11° 4 | 26°29 | 4° 1 | 10°31 | 29°14 | 7°29 | 22° 4 | 22♊21 | 21°16 | 22°19 | 29°19 | F 3 |
| S 4 | 7 24 10 | 21°40'30 | 11♏10 | 17°59 | 12°20 | 27° 9 | 4° 2 | 10°27 | 29°16 | 7°28 | 22° 4 | 22°22 | 21°13 | 22°26 | 29°21 | S 4 |
| S 5 | 7 28 6 | 22°41'34 | 23°10 | 19°38 | 13°35 | 27°49 | 4° 3 | 10°22 | 29°17 | 7°28 | 22° 3 | 22°24 | 21° 9 | 22°33 | 29°23 | S 5 |
| M 6 | 7 32 3 | 23°42'38 | 5♐21 | 21°18 | 14°51 | 28°29 | 4° 4 | 10°18 | 29°18 | 7°28 | 22° 3 | 22°26 | 21° 6 | 22°39 | 29°25 | M 6 |
| T 7 | 7 35 59 | 24°43'42 | 17°48 | 22°58 | 16° 6 | 29° 8 | 4° 5 | 10°13 | 29°19 | 7°28 | 22° 2 | 22°R27 | 21° 3 | 22°46 | 29°26 | T 7 |
| W 8 | 7 39 56 | 25°44'45 | 0♑34 | 24°39 | 17°21 | 29°48 | 4° 6 | 10° 8 | 29°20 | 7°28 | 22° 2 | 22°27 | 21° 0 | 22°53 | 29°28 | W 8 |
| T 9 | 7 43 52 | 26°45'47 | 13°39 | 26°21 | 18°37 | 0♐28 | 4° 6 | 10° 4 | 29°21 | 7°28 | 22° 1 | 22°25 | 20°57 | 22°59 | 29°30 | T 9 |
| F 10 | 7 47 49 | 27°46'48 | 27° 5 | 28° 3 | 19°52 | 1° 8 | 4° 7 | 9°59 | 29°22 | 7°D28 | 22° 1 | 22°21 | 20°54 | 23° 6 | 29°33 | F 10 |
| S 11 | 7 51 46 | 28°47'48 | 10♒49 | 29°46 | 21° 7 | 1°47 | 4°R 7 | 9°54 | 29°23 | 7°28 | 22° 1 | 22°16 | 20°50 | 23°13 | 29°35 | S 11 |
| S 12 | 7 55 42 | 29°48'48 | 24°47 | 1♒30 | 22°23 | 2°27 | 4° 6 | 9°50 | 29°24 | 7°28 | 22° 0 | 22°10 | 20°47 | 23°20 | 29°37 | S 12 |
| M13 | 7 59 39 | 0♒49'46 | 8♓57 | 3°14 | 23°38 | 3° 7 | 4° 6 | 9°45 | 29°24 | 7°28 | 22° 0 | 22° 3 | 20°44 | 23°26 | 29°39 | M13 |
| T 14 | 8 3 35 | 1°50'43 | 23°12 | 4°59 | 24°53 | 3°47 | 4° 6 | 9°40 | 29°25 | 7°28 | 22° 0 | 21°58 | 20°41 | 23°33 | 29°41 | T 14 |
| W15 | 8 7 32 | 2°51'38 | 7♈29 | 6°44 | 26° 8 | 4°27 | 4° 5 | 9°35 | 29°26 | 7°28 | 21°59 | 21°53 | 20°38 | 23°40 | 29°44 | W15 |
| T 16 | 8 11 28 | 3°52'32 | 21°44 | 8°30 | 27°24 | 5° 6 | 4° 4 | 9°30 | 29°26 | 7°28 | 21°59 | 21°51 | 20°35 | 23°46 | 29°46 | T 16 |
| F 17 | 8 15 25 | 4°53'25 | 5♉54 | 10°16 | 28°39 | 5°46 | 4° 3 | 9°25 | 29°27 | 7°29 | 21°59 | 21°D50 | 20°31 | 23°53 | 29°48 | F 17 |
| S 18 | 8 19 21 | 5°54'16 | 19°57 | 12° 3 | 29°54 | 6°26 | 4° 2 | 9°21 | 29°27 | 7°29 | 21°59 | 21°51 | 20°28 | 24° 0 | 29°51 | S 18 |
| S 19 | 8 23 18 | 6°55'06 | 3♊53 | 13°50 | 1♒10 | 7° 6 | 4° 0 | 9°16 | 29°28 | 7°29 | 21°58 | 21°52 | 20°25 | 24° 6 | 29°53 | S 19 |
| M20 | 8 27 14 | 7°55'54 | 17°40 | 15°38 | 2°25 | 7°46 | 3°58 | 9°11 | 29°28 | 7°30 | 21°58 | 21°R53 | 20°22 | 24°13 | 29°56 | M20 |
| T 21 | 8 31 11 | 8°56'41 | 1♋19 | 17°26 | 3°40 | 8°26 | 3°56 | 9° 6 | 29°28 | 7°30 | 21°58 | 21°53 | 20°19 | 24°20 | 29°58 | T 21 |
| W22 | 8 35 8 | 9°57'26 | 14°48 | 19°14 | 4°55 | 9° 5 | 3°54 | 9° 1 | 29°28 | 7°30 | 21°58 | 21°50 | 20°15 | 24°27 | 0♈ 1 | W22 |
| T 23 | 8 39 4 | 10°58'10 | 28° 7 | 21° 2 | 6°10 | 9°45 | 3°52 | 8°56 | 29°29 | 7°31 | 21°58 | 21°46 | 20°12 | 24°33 | 0° 3 | T 23 |
| F 24 | 8 43 1 | 11°58'53 | 11♌13 | 22°49 | 7°26 | 10°25 | 3°50 | 8°51 | 29°29 | 7°31 | 21°58 | 21°39 | 20° 9 | 24°40 | 0° 6 | F 24 |
| S 25 | 8 46 57 | 12°59'34 | 24° 6 | 24°36 | 8°41 | 11° 5 | 3°47 | 8°46 | 29°29 | 7°32 | 21°58 | 21°30 | 20° 6 | 24°47 | 0° 9 | S 25 |
| S 26 | 8 50 54 | 14° 0'14 | 6♍45 | 26°23 | 9°56 | 11°45 | 3°44 | 8°41 | 29°R29 | 7°32 | 21°58 | 21°20 | 20° 3 | 24°53 | 0°11 | S 26 |
| M27 | 8 54 50 | 15° 0'52 | 19° 9 | 28° 8 | 11°11 | 12°25 | 3°41 | 8°37 | 29°29 | 7°33 | 21°57 | 21° 9 | 20° 0 | 25° 0 | 0°14 | M27 |
| T 28 | 8 58 47 | 16° 1'29 | 1♎21 | 29°52 | 12°26 | 13° 5 | 3°38 | 8°32 | 29°29 | 7°34 | 21°D57 | 21° 0 | 19°56 | 25° 7 | 0°17 | T 28 |
| W29 | 9 2 44 | 17° 2'05 | 13°22 | 1♓35 | 13°41 | 13°44 | 3°35 | 8°27 | 29°29 | 7°34 | 21°57 | 20°53 | 19°53 | 25°13 | 0°20 | W29 |
| T 30 | 9 6 40 | 18° 2'39 | 25°15 | 3°15 | 14°57 | 14°24 | 3°31 | 8°22 | 29°28 | 7°35 | 21°58 | 20°47 | 19°50 | 25°20 | 0°23 | T 30 |
| F 31 | 9 10 37 | 19♒ 3'12 | 7♏ 5 | 4♓52 | 16♒12 | 15♐ 4 | 3♎28 | 8♌17 | 29♎28 | 7♉36 | 21♉58 | 20♊44 | 19♊47 | 25♎27 | 0♈26 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s13 | 2n28 | 5n 6 | 24s35 | 1s43 | 23s35 | 0s21 | 18s38 | 0n30 | 0s18 | 1n24 | 18n33 | 0n58 | 10s43 | 0n32 | 12n19 | 1s51 | 5n30 | 13s17 | 23n18 | 23n14 | 4s32 | 2n 7 | 2n37 |
| T 2 | 22 5 | 2s29 | 4 45 | 24 28 | 1 47 | 23 32 | 0 23 | 18 48 | 0 30 | 0 18 | 1 24 | 18 34 | 0 58 | 10 44 | 0 32 | 12 19 | 1 50 | 5 30 | 13 16 | 23 18 | 23 14 | 4 34 | 2 7 | 2 37 |
| F 3 | 21 56 | 7 20 | 4 11 | 24 20 | 1 50 | 23 29 | 0 26 | 18 58 | 0 29 | 0 19 | 1 25 | 18 35 | 0 58 | 10 44 | 0 32 | 12 19 | 1 50 | 5 30 | 13 16 | 23 18 | 23 14 | 4 37 | 2 8 | 2 37 |
| S 4 | 21 46 | 11 57 | 3 27 | 24 10 | 1 53 | 23 24 | 0 28 | 19 8 | 0 28 | 0 19 | 1 25 | 18 37 | 0 58 | 10 45 | 0 32 | 12 19 | 1 50 | 5 30 | 13 16 | 23 18 | 23 14 | 4 40 | 2 8 | 2 37 |
| S 5 | 21 36 | 16 9 | 2 34 | 23 59 | 1 56 | 23 19 | 0 30 | 19 17 | 0 28 | 0 19 | 1 25 | 18 38 | 0 58 | 10 45 | 0 32 | 12 19 | 1 50 | 5 31 | 13 15 | 23 18 | 23 13 | 4 43 | 2 9 | 2 37 |
| M 6 | 21 26 | 19 45 | 1 32 | 23 46 | 1 58 | 23 14 | 0 32 | 19 27 | 0 27 | 0 19 | 1 25 | 18 39 | 0 58 | 10 45 | 0 32 | 12 19 | 1 50 | 5 31 | 13 15 | 23 18 | 23 13 | 4 46 | 2 9 | 2 36 |
| T 7 | 21 15 | 22 32 | 0 25 | 23 32 | 2 0 | 23 7 | 0 35 | 19 36 | 0 26 | 0 19 | 1 26 | 18 41 | 0 59 | 10 46 | 0 32 | 12 19 | 1 50 | 5 31 | 13 15 | 23 18 | 23 13 | 4 49 | 2 10 | 2 36 |
| W 8 | 21 4 | 24 15 | 0s44 | 23 15 | 2 2 | 23 0 | 0 37 | 19 45 | 0 26 | 0 19 | 1 26 | 18 42 | 0 59 | 10 46 | 0 32 | 12 19 | 1 50 | 5 31 | 13 15 | 23 18 | 23 13 | 4 52 | 2 10 | 2 36 |
| T 9 | 20 52 | 24 42 | 1 53 | 22 58 | 2 3 | 22 52 | 0 39 | 19 54 | 0 25 | 0 19 | 1 26 | 18 44 | 0 59 | 10 46 | 0 32 | 12 19 | 1 50 | 5 31 | 13 14 | 23 18 | 23 13 | 4 55 | 2 11 | 2 36 |
| F 10 | 20 40 | 23 43 | 2 57 | 22 38 | 2 4 | 22 43 | 0 41 | 20 3 | 0 24 | 0 19 | 1 26 | 18 45 | 0 59 | 10 47 | 0 32 | 12 19 | 1 50 | 5 31 | 13 14 | 23 18 | 23 12 | 4 58 | 2 12 | 2 36 |
| S 11 | 20 28 | 21 19 | 3 53 | 22 17 | 2 4 | 22 34 | 0 43 | 20 12 | 0 24 | 0 19 | 1 27 | 18 46 | 0 59 | 10 47 | 0 33 | 12 19 | 1 50 | 5 32 | 13 14 | 23 18 | 23 12 | 5 1 | 2 12 | 2 35 |
| S 12 | 20 15 | 17 37 | 4 35 | 21 55 | 2 4 | 22 24 | 0 45 | 20 21 | 0 23 | 0 18 | 1 27 | 18 48 | 0 59 | 10 47 | 0 33 | 12 19 | 1 50 | 5 32 | 13 13 | 23 17 | 23 12 | 5 3 | 2 13 | 2 35 |
| M13 | 20 2 | 12 54 | 5 2 | 21 30 | 2 4 | 22 13 | 0 47 | 20 29 | 0 22 | 0 18 | 1 27 | 18 49 | 0 59 | 10 48 | 0 33 | 12 19 | 1 50 | 5 32 | 13 13 | 23 17 | 23 12 | 5 6 | 2 14 | 2 35 |
| T 14 | 19 49 | 7 27 | 5 10 | 21 4 | 2 3 | 22 2 | 0 49 | 20 37 | 0 22 | 0 18 | 1 28 | 18 51 | 0 59 | 10 48 | 0 33 | 12 19 | 1 50 | 5 32 | 13 13 | 23 16 | 23 11 | 5 9 | 2 14 | 2 35 |
| W15 | 19 35 | 1 35 | 4 58 | 20 37 | 2 1 | 21 50 | 0 51 | 20 45 | 0 21 | 0 17 | 1 28 | 18 52 | 0 59 | 10 48 | 0 33 | 12 19 | 1 50 | 5 32 | 13 13 | 23 16 | 23 11 | 5 12 | 2 15 | 2 35 |
| T 16 | 19 21 | 4n20 | 4 29 | 20 7 | 2 0 | 21 37 | 0 53 | 20 53 | 0 20 | 0 16 | 1 28 | 18 53 | 1 0 | 10 48 | 0 33 | 12 19 | 1 50 | 5 33 | 13 12 | 23 16 | 23 11 | 5 15 | 2 16 | 2 34 |
| F 17 | 19 6 | 10 1 | 3 43 | 19 36 | 1 57 | 21 24 | 0 55 | 21 1 | 0 20 | 0 16 | 1 28 | 18 55 | 1 0 | 10 48 | 0 33 | 12 20 | 1 49 | 5 33 | 13 12 | 23 16 | 23 11 | 5 18 | 2 17 | 2 34 |
| S 18 | 18 52 | 15 9 | 2 44 | 19 4 | 1 54 | 21 10 | 0 57 | 21 9 | 0 19 | 0 15 | 1 29 | 18 56 | 1 0 | 10 48 | 0 33 | 12 20 | 1 49 | 5 33 | 13 12 | 23 16 | 23 11 | 5 21 | 2 18 | 2 34 |
| S 19 | 18 36 | 19 26 | 1 36 | 18 30 | 1 51 | 20 55 | 0 58 | 21 16 | 0 18 | 0 14 | 1 29 | 18 58 | 1 0 | 10 49 | 0 33 | 12 20 | 1 49 | 5 33 | 13 11 | 23 16 | 23 10 | 5 24 | 2 18 | 2 34 |
| M20 | 18 21 | 22 34 | 0 23 | 17 54 | 1 47 | 20 40 | 1 0 | 21 24 | 0 17 | 0 13 | 1 29 | 18 59 | 1 0 | 10 49 | 0 33 | 12 20 | 1 49 | 5 34 | 13 11 | 23 16 | 23 10 | 5 27 | 2 19 | 2 34 |
| T 21 | 18 5 | 24 21 | 0n51 | 17 17 | 1 42 | 20 24 | 1 2 | 21 31 | 0 17 | 0 12 | 1 29 | 19 0 | 1 0 | 10 49 | 0 33 | 12 20 | 1 49 | 5 34 | 13 11 | 23 16 | 23 10 | 5 30 | 2 20 | 2 34 |
| W22 | 17 49 | 24 41 | 2 0 | 16 38 | 1 36 | 20 8 | 1 3 | 21 38 | 0 16 | 0 11 | 1 30 | 19 2 | 1 0 | 10 49 | 0 33 | 12 20 | 1 49 | 5 34 | 13 11 | 23 16 | 23 10 | 5 32 | 2 21 | 2 33 |
| T 23 | 17 32 | 23 35 | 3 2 | 15 58 | 1 30 | 19 50 | 1 5 | 21 44 | 0 15 | 0 10 | 1 30 | 19 3 | 1 0 | 10 49 | 0 33 | 12 21 | 1 49 | 5 34 | 13 10 | 23 16 | 23 9 | 5 35 | 2 22 | 2 33 |
| F 24 | 17 15 | 21 12 | 3 53 | 15 16 | 1 24 | 19 33 | 1 7 | 21 51 | 0 14 | 0 9 | 1 30 | 19 5 | 1 0 | 10 49 | 0 33 | 12 21 | 1 49 | 5 35 | 13 10 | 23 15 | 23 9 | 5 38 | 2 23 | 2 33 |
| S 25 | 16 58 | 17 48 | 4 32 | 14 34 | 1 16 | 19 15 | 1 8 | 21 57 | 0 13 | 0 8 | 1 31 | 19 6 | 1 1 | 10 49 | 0 33 | 12 21 | 1 49 | 5 35 | 13 10 | 23 15 | 23 9 | 5 41 | 2 24 | 2 33 |
| S 26 | 16 41 | 13 38 | 4 56 | 13 50 | 1 8 | 18 56 | 1 9 | 22 4 | 0 13 | 0 6 | 1 31 | 19 7 | 1 1 | 10 49 | 0 33 | 12 21 | 1 49 | 5 35 | 13 9 | 23 14 | 23 9 | 5 44 | 2 25 | 2 33 |
| M27 | 16 23 | 8 59 | 5 5 | 13 5 | 0 59 | 18 37 | 1 11 | 22 10 | 0 12 | 0 5 | 1 31 | 19 9 | 1 1 | 10 49 | 0 33 | 12 22 | 1 49 | 5 36 | 13 9 | 23 13 | 23 8 | 5 47 | 2 25 | 2 32 |
| T 28 | 16 5 | 4 3 | 5 0 | 12 20 | 0 50 | 18 17 | 1 12 | 22 16 | 0 11 | 0 3 | 1 31 | 19 10 | 1 1 | 10 49 | 0 33 | 12 22 | 1 49 | 5 36 | 13 9 | 23 13 | 23 8 | 5 50 | 2 26 | 2 32 |
| W29 | 15 47 | 0s57 | 4 43 | 11 34 | 0 40 | 17 57 | 1 13 | 22 21 | 0 10 | 0 2 | 1 32 | 19 11 | 1 1 | 10 49 | 0 33 | 12 22 | 1 49 | 5 36 | 13 8 | 23 12 | 23 8 | 5 53 | 2 27 | 2 32 |
| T 30 | 15 28 | 5 53 | 4 12 | 10 48 | 0 29 | 17 36 | 1 15 | 22 27 | 0 9 | 0 0 | 1 32 | 19 13 | 1 1 | 10 49 | 0 33 | 12 22 | 1 49 | 5 36 | 13 8 | 23 12 | 23 8 | 5 56 | 2 28 | 2 32 |
| F 31 | 15s10 | 10s35 | 3n32 | 10s 1 | 0s17 | 17s14 | 1s16 | 22s32 | 0n 8 | 0n 2 | 1n32 | 19n14 | 1n 1 | 10s48 | 0n33 | 12n23 | 1s49 | 5n37 | 13s 8 | 23n12 | 23n 7 | 5s59 | 2n29 | 2n32 |

Julian Day Number = 2228024.5, Delta T = 08m12s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'12, Lahiri = 15°19'12 Julian Calendar 1 Jan. 1388 == Greg. Calendar 9 Jan. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## FEBRUARY 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 14 33 | 20♒ 3'44 | 18♏57 | 6♓27 | 17♒27 | 15♐44 | 3°R24 | 8°R13 | 29°R28 | 7♉36 | 21♉58 | 20°D43 | 19♊44 | 25♎34 | 0♈29 | S 1 |
| S 2 | 9 18 30 | 21° 4'15 | 0♐55 | 7°57 | 18°42 | 16°24 | 3♎20 | 8♌ 8 | 29♎27 | 7°37 | 21°58 | 20♊44 | 19°40 | 25°40 | 0°32 | S 2 |
| M 3 | 9 22 26 | 22° 4'44 | 13° 5 | 9°23 | 19°57 | 17° 4 | 3°16 | 8° 3 | 29°27 | 7°38 | 21°58 | 20°45 | 19°37 | 25°47 | 0°35 | M 3 |
| T 4 | 9 26 23 | 23° 5'12 | 25°33 | 10°44 | 21°12 | 17°44 | 3°11 | 7°59 | 29°26 | 7°39 | 21°58 | 20°R45 | 19°34 | 25°54 | 0°38 | T 4 |
| W 5 | 9 30 19 | 24° 5'39 | 8♑22 | 12° 0 | 22°27 | 18°24 | 3° 7 | 7°54 | 29°26 | 7°40 | 21°58 | 20°43 | 19°31 | 26° 0 | 0°41 | W 5 |
| T 6 | 9 34 16 | 25° 6'04 | 21°36 | 13° 9 | 23°42 | 19° 4 | 3° 2 | 7°49 | 29°25 | 7°41 | 21°58 | 20°39 | 19°28 | 26° 7 | 0°44 | T 6 |
| F 7 | 9 38 13 | 26° 6'27 | 5♒15 | 14°11 | 24°57 | 19°44 | 2°57 | 7°45 | 29°25 | 7°41 | 21°59 | 20°33 | 19°25 | 26°14 | 0°47 | F 7 |
| S 8 | 9 42 9 | 27° 6'49 | 19°19 | 15° 6 | 26°12 | 20°24 | 2°52 | 7°40 | 29°24 | 7°42 | 21°59 | 20°24 | 19°21 | 26°20 | 0°50 | S 8 |
| S 9 | 9 46 6 | 28° 7'09 | 3♓44 | 15°52 | 27°27 | 21° 3 | 2°47 | 7°36 | 29°23 | 7°43 | 21°59 | 20°13 | 19°18 | 26°27 | 0°53 | S 9 |
| M10 | 9 50 2 | 29° 7'28 | 18°22 | 16°30 | 28°42 | 21°43 | 2°42 | 7°32 | 29°22 | 7°44 | 21°59 | 20° 2 | 19°15 | 26°34 | 0°56 | M10 |
| T 11 | 9 53 59 | 0♓ 7'44 | 3♈ 6 | 16°59 | 29°57 | 22°23 | 2°36 | 7°27 | 29°22 | 7°46 | 22° 0 | 19°52 | 19°12 | 26°40 | 1° 0 | T 11 |
| W12 | 9 57 55 | 1° 7'58 | 17°48 | 17°18 | 1♓12 | 23° 3 | 2°31 | 7°23 | 29°21 | 7°47 | 22° 0 | 19°44 | 19° 9 | 26°47 | 1° 3 | W12 |
| T 13 | 10 1 52 | 2° 8'11 | 2♉21 | 17°28 | 2°27 | 23°43 | 2°25 | 7°19 | 29°20 | 7°48 | 22° 0 | 19°38 | 19° 6 | 26°54 | 1° 6 | T 13 |
| F 14 | 10 5 48 | 3° 8'21 | 16°42 | 17°R28 | 3°42 | 24°23 | 2°19 | 7°15 | 29°19 | 7°49 | 22° 1 | 19°35 | 19° 2 | 27° 1 | 1° 9 | F 14 |
| S 15 | 10 9 45 | 4° 8'29 | 0♊46 | 17°19 | 4°57 | 25° 3 | 2°13 | 7°11 | 29°18 | 7°50 | 22° 1 | 19°D34 | 18°59 | 27° 7 | 1°13 | S 15 |
| S 16 | 10 13 41 | 5° 8'35 | 14°35 | 17° 1 | 6°12 | 25°43 | 2° 7 | 7° 6 | 29°17 | 7°51 | 22° 1 | 19°R34 | 18°56 | 27°14 | 1°16 | S 16 |
| M17 | 10 17 38 | 6° 8'39 | 28° 8 | 16°34 | 7°27 | 26°23 | 2° 1 | 7° 3 | 29°15 | 7°53 | 22° 2 | 19°34 | 18°53 | 27°21 | 1°19 | M17 |
| T 18 | 10 21 35 | 7° 8'41 | 11♋28 | 16° 0 | 8°42 | 27° 2 | 1°55 | 6°59 | 29°14 | 7°54 | 22° 2 | 19°32 | 18°50 | 27°27 | 1°23 | T 18 |
| W19 | 10 25 31 | 8° 8'41 | 24°35 | 15°18 | 9°57 | 27°42 | 1°48 | 6°55 | 29°13 | 7°55 | 22° 3 | 19°28 | 18°46 | 27°34 | 1°26 | W19 |
| T 20 | 10 29 28 | 9° 8'38 | 7♌31 | 14°31 | 11°12 | 28°22 | 1°42 | 6°51 | 29°12 | 7°57 | 22° 3 | 19°21 | 18°43 | 27°41 | 1°30 | T 20 |
| F 21 | 10 33 24 | 10° 8'33 | 20°16 | 13°39 | 12°26 | 29° 2 | 1°35 | 6°47 | 29°10 | 7°58 | 22° 4 | 19°11 | 18°40 | 27°47 | 1°33 | F 21 |
| S 22 | 10 37 21 | 11° 8'27 | 2♍51 | 12°43 | 13°41 | 29°42 | 1°28 | 6°44 | 29° 9 | 7°59 | 22° 4 | 18°59 | 18°37 | 27°54 | 1°37 | S 22 |
| S 23 | 10 41 17 | 12° 8'18 | 15°15 | 11°45 | 14°56 | 0♑22 | 1°21 | 6°40 | 29° 8 | 8° 1 | 22° 5 | 18°45 | 18°34 | 28° 1 | 1°40 | S 23 |
| M24 | 10 45 14 | 13° 8'07 | 27°30 | 10°46 | 16°11 | 1° 2 | 1°14 | 6°37 | 29° 6 | 8° 2 | 22° 5 | 18°30 | 18°31 | 28° 8 | 1°44 | M24 |
| T 25 | 10 49 10 | 14° 7'54 | 9♎35 | 9°48 | 17°26 | 1°41 | 1° 7 | 6°33 | 29° 5 | 8° 4 | 22° 6 | 18°17 | 18°27 | 28°14 | 1°47 | T 25 |
| W26 | 10 53 7 | 15° 7'39 | 21°32 | 8°52 | 18°40 | 2°21 | 1° 0 | 6°30 | 29° 3 | 8° 5 | 22° 7 | 18° 6 | 18°24 | 28°21 | 1°51 | W26 |
| T 27 | 10 57 4 | 16° 7'23 | 3♏23 | 7°58 | 19°55 | 3° 1 | 0°53 | 6°27 | 29° 1 | 8° 7 | 22° 7 | 17°57 | 18°21 | 28°28 | 1°54 | T 27 |
| F 28 | 11 1 0 | 17° 7'05 | 15°12 | 7° 8 | 21°10 | 3°41 | 0°46 | 6°24 | 29° 0 | 8° 8 | 22° 8 | 17°52 | 18°18 | 28°34 | 1°58 | F 28 |
| S 29 | 11 4 57 | 18♓ 6'45 | 27♏ 2 | 6♓23 | 22♓24 | 4♑21 | 0♎38 | 6♌21 | 28♎58 | 8♉10 | 22♉ 9 | 17♊49 | 18♊15 | 28♎41 | 2♈ 1 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s51 | 14s55 | 2n42 | 9s15 | 0s 5 | 16s53 | 1s17 | 22s38 | 0n 8 | 0n 3 | 1n32 | 19n15 | 1n 1 | 10s48 | 0n33 | 12n23 | 1s49 | 5n37 | 13s 7 | 23n12 | 23n 7 | 6s 1 | 2n30 | 2n32 |
| S 2 | 14 31 | 18 43 | 1 44 | 8 29 | 0n 8 | 16 30 | 1 18 | 22 43 | 0 7 | 0 5 | 1 33 | 19 17 | 1 1 | 10 48 | 0 33 | 12 23 | 1 48 | 5 37 | 13 7 | 23 12 | 23 7 | 6 4 | 2 32 | 2 32 |
| M 3 | 14 12 | 21 46 | 0 41 | 7 44 | 0 22 | 16 7 | 1 19 | 22 47 | 0 6 | 0 7 | 1 33 | 19 18 | 1 1 | 10 48 | 0 33 | 12 24 | 1 48 | 5 38 | 13 7 | 23 12 | 23 7 | 6 7 | 2 33 | 2 31 |
| T 4 | 13 52 | 23 52 | 0s26 | 7 0 | 0 36 | 15 44 | 1 20 | 22 52 | 0 5 | 0 9 | 1 33 | 19 19 | 1 1 | 10 48 | 0 33 | 12 24 | 1 48 | 5 38 | 13 7 | 23 12 | 23 6 | 6 10 | 2 34 | 2 31 |
| W 5 | 13 32 | 24 48 | 1 33 | 6 18 | 0 51 | 15 21 | 1 21 | 22 57 | 0 4 | 0 11 | 1 33 | 19 21 | 1 1 | 10 48 | 0 33 | 12 24 | 1 48 | 5 38 | 13 6 | 23 12 | 23 6 | 6 13 | 2 35 | 2 31 |
| T 6 | 13 12 | 24 21 | 2 37 | 5 38 | 1 5 | 14 57 | 1 21 | 23 1 | 0 3 | 0 13 | 1 33 | 19 22 | 1 1 | 10 47 | 0 33 | 12 25 | 1 48 | 5 39 | 13 6 | 23 11 | 23 6 | 6 16 | 2 36 | 2 31 |
| F 7 | 12 51 | 22 28 | 3 34 | 5 0 | 1 21 | 14 32 | 1 22 | 23 5 | 0 2 | 0 15 | 1 34 | 19 23 | 1 2 | 10 47 | 0 33 | 12 25 | 1 48 | 5 39 | 13 6 | 23 11 | 23 6 | 6 19 | 2 37 | 2 31 |
| S 8 | 12 31 | 19 11 | 4 19 | 4 25 | 1 36 | 14 7 | 1 23 | 23 9 | 0 1 | 0 17 | 1 34 | 19 24 | 1 2 | 10 47 | 0 33 | 12 25 | 1 48 | 5 39 | 13 5 | 23 10 | 23 5 | 6 22 | 2 38 | 2 31 |
| S 9 | 12 10 | 14 40 | 4 50 | 3 53 | 1 51 | 13 42 | 1 23 | 23 13 | 0 0 | 0 20 | 1 34 | 19 25 | 1 2 | 10 47 | 0 33 | 12 26 | 1 48 | 5 40 | 13 5 | 23 9 | 23 5 | 6 25 | 2 39 | 2 31 |
| M10 | 11 49 | 9 15 | 5 2 | 3 25 | 2 6 | 13 16 | 1 24 | 23 16 | 0s 1 | 0 22 | 1 34 | 19 27 | 1 2 | 10 46 | 0 33 | 12 26 | 1 48 | 5 40 | 13 5 | 23 9 | 23 5 | 6 28 | 2 40 | 2 30 |
| T 11 | 11 28 | 3 16 | 4 54 | 3 0 | 2 20 | 12 50 | 1 24 | 23 20 | 0 2 | 0 24 | 1 34 | 19 28 | 1 2 | 10 46 | 0 33 | 12 27 | 1 48 | 5 41 | 13 4 | 23 8 | 23 5 | 6 30 | 2 42 | 2 30 |
| W12 | 11 6 | 2n54 | 4 27 | 2 40 | 2 34 | 12 24 | 1 25 | 23 23 | 0 3 | 0 27 | 1 35 | 19 29 | 1 2 | 10 46 | 0 33 | 12 27 | 1 48 | 5 41 | 13 4 | 23 7 | 23 4 | 6 33 | 2 43 | 2 30 |
| T 13 | 10 45 | 8 51 | 3 43 | 2 24 | 2 47 | 11 58 | 1 25 | 23 26 | 0 3 | 0 29 | 1 35 | 19 30 | 1 2 | 10 45 | 0 33 | 12 27 | 1 48 | 5 41 | 13 4 | 23 7 | 23 4 | 6 36 | 2 44 | 2 30 |
| F 14 | 10 23 | 14 15 | 2 45 | 2 13 | 3 0 | 11 31 | 1 25 | 23 28 | 0 4 | 0 32 | 1 35 | 19 31 | 1 2 | 10 45 | 0 33 | 12 28 | 1 48 | 5 42 | 13 3 | 23 7 | 23 4 | 6 39 | 2 45 | 2 30 |
| S 15 | 10 1 | 18 47 | 1 38 | 2 6 | 3 11 | 11 3 | 1 26 | 23 31 | 0 5 | 0 34 | 1 35 | 19 32 | 1 2 | 10 44 | 0 33 | 12 28 | 1 48 | 5 42 | 13 3 | 23 6 | 23 4 | 6 42 | 2 46 | 2 30 |
| S 16 | 9 39 | 22 11 | 0 26 | 2 4 | 3 20 | 10 36 | 1 26 | 23 33 | 0 6 | 0 37 | 1 35 | 19 33 | 1 2 | 10 44 | 0 33 | 12 29 | 1 48 | 5 42 | 13 3 | 23 6 | 23 3 | 6 45 | 2 48 | 2 30 |
| M17 | 9 17 | 24 16 | 0n45 | 2 7 | 3 28 | 10 8 | 1 26 | 23 36 | 0 8 | 0 39 | 1 36 | 19 34 | 1 2 | 10 44 | 0 33 | 12 29 | 1 48 | 5 43 | 13 3 | 23 6 | 23 3 | 6 48 | 2 49 | 2 29 |
| T 18 | 8 55 | 24 54 | 1 53 | 2 15 | 3 35 | 9 40 | 1 26 | 23 38 | 0 9 | 0 42 | 1 36 | 19 35 | 1 2 | 10 43 | 0 33 | 12 30 | 1 48 | 5 43 | 13 2 | 23 6 | 23 3 | 6 51 | 2 50 | 2 29 |
| W19 | 8 33 | 24 8 | 2 54 | 2 26 | 3 39 | 9 11 | 1 26 | 23 40 | 0 10 | 0 45 | 1 36 | 19 36 | 1 2 | 10 43 | 0 33 | 12 30 | 1 47 | 5 44 | 13 2 | 23 6 | 23 3 | 6 54 | 2 51 | 2 29 |
| T 20 | 8 10 | 22 4 | 3 44 | 2 42 | 3 42 | 8 43 | 1 26 | 23 41 | 0 11 | 0 48 | 1 36 | 19 37 | 1 2 | 10 42 | 0 33 | 12 31 | 1 47 | 5 44 | 13 2 | 23 5 | 23 2 | 6 57 | 2 52 | 2 29 |
| F 21 | 7 47 | 18 56 | 4 23 | 3 2 | 3 42 | 8 14 | 1 26 | 23 43 | 0 12 | 0 50 | 1 36 | 19 38 | 1 2 | 10 42 | 0 33 | 12 31 | 1 47 | 5 44 | 13 1 | 23 5 | 23 2 | 6 59 | 2 54 | 2 29 |
| S 22 | 7 25 | 14 58 | 4 48 | 3 25 | 3 41 | 7 45 | 1 26 | 23 44 | 0 13 | 0 53 | 1 36 | 19 39 | 1 2 | 10 41 | 0 33 | 12 32 | 1 47 | 5 45 | 13 1 | 23 4 | 23 2 | 7 2 | 2 55 | 2 29 |
| S 23 | 7 2 | 10 25 | 4 59 | 3 50 | 3 37 | 7 16 | 1 25 | 23 45 | 0 14 | 0 56 | 1 36 | 19 40 | 1 2 | 10 41 | 0 33 | 12 32 | 1 47 | 5 45 | 13 1 | 23 2 | 23 2 | 7 5 | 2 56 | 2 29 |
| M24 | 6 39 | 5 31 | 4 56 | 4 17 | 3 32 | 6 46 | 1 25 | 23 46 | 0 15 | 0 59 | 1 37 | 19 41 | 1 2 | 10 40 | 0 33 | 12 33 | 1 47 | 5 46 | 13 1 | 23 1 | 23 1 | 7 8 | 2 58 | 2 29 |
| T 25 | 6 16 | 0 29 | 4 40 | 4 46 | 3 24 | 6 17 | 1 25 | 23 47 | 0 16 | 1 2 | 1 37 | 19 42 | 1 2 | 10 40 | 0 33 | 12 33 | 1 47 | 5 46 | 13 0 | 23 0 | 23 1 | 7 11 | 2 59 | 2 29 |
| W26 | 5 53 | 4s32 | 4 11 | 5 16 | 3 15 | 5 47 | 1 24 | 23 47 | 0 17 | 1 5 | 1 37 | 19 43 | 1 2 | 10 39 | 0 33 | 12 34 | 1 47 | 5 46 | 13 0 | 22 59 | 23 1 | 7 14 | 3 0 | 2 28 |
| T 27 | 5 30 | 9 22 | 3 32 | 5 45 | 3 5 | 5 17 | 1 24 | 23 47 | 0 18 | 1 8 | 1 37 | 19 44 | 1 2 | 10 39 | 0 33 | 12 34 | 1 47 | 5 47 | 13 0 | 22 58 | 23 0 | 7 17 | 3 2 | 2 28 |
| F 28 | 5 6 | 13 51 | 2 43 | 6 15 | 2 53 | 4 47 | 1 23 | 23 48 | 0 19 | 1 11 | 1 37 | 19 45 | 1 2 | 10 38 | 0 33 | 12 35 | 1 47 | 5 47 | 12 59 | 22 58 | 23 0 | 7 20 | 3 3 | 2 28 |
| S 29 | 4s43 | 17s49 | 1n47 | 6s43 | 2n40 | 4s17 | 1s22 | 23s47 | 0s21 | 1n14 | 1n37 | 19n45 | 1n 2 | 10s37 | 0n33 | 12n35 | 1s47 | 5n48 | 12s59 | 22n58 | 23n 0 | 7s23 | 3n 4 | 2n28 |

Julian Day Number = 2228055.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'16, Lahiri = 15°19'17 Julian Calendar 1 Feb. 1388 == Greg. Calendar 9 Feb. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## MARCH 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 8 53 | 19♓ 6'23 | 8♐58 | 5°R43 | 23♓39 | 5♑ 1 | 0°R31 | 6°R18 | 28°R56 | 8♉11 | 22♉ 9 | 17°R48 | 18♊12 | 28♎48 | 2♈ 5 | S 1 |
| M 2 | 11 12 50 | 20° 5'59 | 21° 6 | 5♓ 8 | 24°54 | 5°40 | 0♎23 | 6♌15 | 28♎55 | 8°13 | 22°10 | 17♊48 | 18° 8 | 28°54 | 2° 8 | M 2 |
| T 3 | 11 16 46 | 21° 5'34 | 3♑31 | 4°39 | 26° 8 | 6°20 | 0°16 | 6°12 | 28°53 | 8°15 | 22°11 | 17°47 | 18° 5 | 29° 1 | 2°12 | T 3 |
| W 4 | 11 20 43 | 22° 5'07 | 16°17 | 4°16 | 27°23 | 7° 0 | 0° 8 | 6°10 | 28°51 | 8°16 | 22°11 | 17°46 | 18° 2 | 29° 8 | 2°16 | W 4 |
| T 5 | 11 24 39 | 23° 4'38 | 29°30 | 4° 0 | 28°37 | 7°40 | 0° 1 | 6° 7 | 28°49 | 8°18 | 22°12 | 17°42 | 17°59 | 29°14 | 2°19 | T 5 |
| F 6 | 11 28 36 | 24° 4'07 | 13♒12 | 3°49 | 29°52 | 8°20 | 29♏53 | 6° 5 | 28°47 | 8°20 | 22°13 | 17°35 | 17°56 | 29°21 | 2°23 | F 6 |
| S 7 | 11 32 33 | 25° 3'35 | 27°23 | 3°D45 | 1♈ 7 | 8°59 | 29°45 | 6° 2 | 28°45 | 8°21 | 22°14 | 17°26 | 17°52 | 29°28 | 2°26 | S 7 |
| S 8 | 11 36 29 | 26° 3'00 | 11♓59 | 3°46 | 2°21 | 9°39 | 29°38 | 6° 0 | 28°43 | 8°23 | 22°15 | 17°15 | 17°49 | 29°34 | 2°30 | S 8 |
| M 9 | 11 40 26 | 27° 2'24 | 26°55 | 3°53 | 3°36 | 10°19 | 29°30 | 5°58 | 28°41 | 8°25 | 22°15 | 17° 4 | 17°46 | 29°41 | 2°34 | M 9 |
| T 10 | 11 44 22 | 28° 1'45 | 12♈ 1 | 4° 6 | 4°50 | 10°58 | 29°22 | 5°56 | 28°39 | 8°27 | 22°16 | 16°53 | 17°43 | 29°48 | 2°37 | T 10 |
| W11 | 11 48 19 | 29° 1'04 | 27° 6 | 4°23 | 6° 5 | 11°38 | 29°14 | 5°54 | 28°37 | 8°29 | 22°17 | 16°44 | 17°40 | 29°55 | 2°41 | W11 |
| T 12 | 11 52 15 | 0♈ 0'21 | 12♉ 2 | 4°46 | 7°19 | 12°18 | 29° 7 | 5°52 | 28°35 | 8°30 | 22°18 | 16°38 | 17°37 | 0♏ 1 | 2°45 | T 12 |
| F 13 | 11 56 12 | 0°59'36 | 26°41 | 5°13 | 8°34 | 12°57 | 28°59 | 5°50 | 28°33 | 8°32 | 22°19 | 16°34 | 17°33 | 0° 8 | 2°48 | F 13 |
| S 14 | 12 0 8 | 1°58'48 | 10♊58 | 5°44 | 9°48 | 13°37 | 28°51 | 5°48 | 28°31 | 8°34 | 22°20 | 16°D33 | 17°30 | 0°15 | 2°52 | S 14 |
| S 15 | 12 4 5 | 2°57'59 | 24°53 | 6°20 | 11° 2 | 14°17 | 28°43 | 5°47 | 28°29 | 8°36 | 22°21 | 16°33 | 17°27 | 0°21 | 2°56 | S 15 |
| M16 | 12 8 2 | 3°57'06 | 8♋25 | 7° 0 | 12°17 | 14°56 | 28°36 | 5°45 | 28°26 | 8°38 | 22°22 | 16°R33 | 17°24 | 0°28 | 2°59 | M16 |
| T 17 | 12 11 58 | 4°56'12 | 21°38 | 7°43 | 13°31 | 15°36 | 28°28 | 5°44 | 28°24 | 8°40 | 22°23 | 16°32 | 17°21 | 0°35 | 3° 3 | T 17 |
| W18 | 12 15 55 | 5°55'15 | 4♌33 | 8°30 | 14°45 | 16°15 | 28°20 | 5°43 | 28°22 | 8°42 | 22°24 | 16°29 | 17°17 | 0°41 | 3° 7 | W18 |
| T 19 | 12 19 51 | 6°54'15 | 17°15 | 9°21 | 16° 0 | 16°55 | 28°13 | 5°42 | 28°20 | 8°44 | 22°25 | 16°23 | 17°14 | 0°48 | 3°10 | T 19 |
| F 20 | 12 23 48 | 7°53'14 | 29°44 | 10°14 | 17°14 | 17°34 | 28° 5 | 5°41 | 28°17 | 8°46 | 22°26 | 16°14 | 17°11 | 0°55 | 3°14 | F 20 |
| S 21 | 12 27 44 | 8°52'10 | 12♍ 3 | 11°11 | 18°28 | 18°14 | 27°58 | 5°40 | 28°15 | 8°48 | 22°27 | 16° 3 | 17° 8 | 1° 1 | 3°18 | S 21 |
| S 22 | 12 31 41 | 9°51'04 | 24°14 | 12°10 | 19°42 | 18°53 | 27°50 | 5°39 | 28°13 | 8°50 | 22°28 | 15°51 | 17° 5 | 1° 8 | 3°21 | S 22 |
| M23 | 12 35 37 | 10°49'55 | 6♎17 | 13°12 | 20°57 | 19°33 | 27°43 | 5°38 | 28°10 | 8°52 | 22°29 | 15°39 | 17° 2 | 1°15 | 3°25 | M23 |
| T 24 | 12 39 34 | 11°48'45 | 18°15 | 14°17 | 22°11 | 20°12 | 27°35 | 5°37 | 28° 8 | 8°54 | 22°30 | 15°27 | 16°58 | 1°21 | 3°28 | T 24 |
| W25 | 12 43 30 | 12°47'33 | 0♏ 7 | 15°24 | 23°25 | 20°51 | 27°28 | 5°37 | 28° 5 | 8°56 | 22°31 | 15°17 | 16°55 | 1°28 | 3°32 | W25 |
| T 26 | 12 47 27 | 13°46'19 | 11°57 | 16°34 | 24°39 | 21°31 | 27°21 | 5°37 | 28° 3 | 8°58 | 22°32 | 15°10 | 16°52 | 1°35 | 3°36 | T 26 |
| F 27 | 12 51 24 | 14°45'03 | 23°46 | 17°46 | 25°53 | 22°10 | 27°14 | 5°36 | 28° 1 | 9° 0 | 22°33 | 15° 5 | 16°49 | 1°42 | 3°39 | F 27 |
| S 28 | 12 55 20 | 15°43'45 | 5♐37 | 19° 1 | 27° 7 | 22°49 | 27° 7 | 5°36 | 27°58 | 9° 2 | 22°34 | 15° 2 | 16°46 | 1°48 | 3°43 | S 28 |
| S 29 | 12 59 17 | 16°42'25 | 17°34 | 20°17 | 28°21 | 23°28 | 27° 0 | 5°D36 | 27°56 | 9° 4 | 22°35 | 15°D 2 | 16°43 | 1°55 | 3°46 | S 29 |
| M30 | 13 3 13 | 17°41'04 | 29°42 | 21°35 | 29°35 | 24° 8 | 26°53 | 5°36 | 27°53 | 9° 6 | 22°36 | 15° 3 | 16°39 | 2° 2 | 3°50 | M30 |
| T 31 | 13 7 10 | 18♈39'41 | 12♑ 5 | 22♓56 | 0♉49 | 24♑47 | 26♏46 | 5♌36 | 27♎51 | 9♉ 9 | 22♉37 | 15♊ 4 | 16♊36 | 2♏ 8 | 3♈54 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s20 | 21s 6 | 0n47 | 7s11 | 2n26 | 3s47 | 1s22 | 23s47 | 0s22 | 1n17 | 1n37 | 19n46 | 1n 2 | 10s37 | 0n34 | 12n36 | 1s47 | 5n48 | 12s59 | 22n57 | 23n 0 | 7s25 | 3n 6 | 2n28 |
| M 2 | 3 56 | 23 31 | 0s18 | 7 37 | 2 12 | 3 16 | 1 21 | 23 47 | 0 23 | 1 20 | 1 37 | 19 47 | 1 2 | 10 36 | 0 34 | 12 36 | 1 47 | 5 49 | 12 59 | 22 57 | 22 59 | 7 28 | 3 7 | 2 28 |
| T 3 | 3 33 | 24 51 | 1 22 | 8 1 | 1 57 | 2 46 | 1 20 | 23 46 | 0 24 | 1 23 | 1 37 | 19 47 | 1 2 | 10 35 | 0 34 | 12 37 | 1 47 | 5 49 | 12 58 | 22 57 | 22 59 | 7 31 | 3 8 | 2 28 |
| W 4 | 3 9 | 24 55 | 2 25 | 8 23 | 1 42 | 2 15 | 1 19 | 23 45 | 0 25 | 1 26 | 1 37 | 19 48 | 1 2 | 10 35 | 0 34 | 12 38 | 1 47 | 5 49 | 12 58 | 22 57 | 22 59 | 7 34 | 3 10 | 2 28 |
| T 5 | 2 45 | 23 36 | 3 21 | 8 43 | 1 27 | 1 45 | 1 18 | 23 44 | 0 27 | 1 29 | 1 38 | 19 49 | 1 2 | 10 34 | 0 34 | 12 38 | 1 47 | 5 50 | 12 58 | 22 57 | 22 58 | 7 37 | 3 11 | 2 28 |
| F 6 | 2 22 | 20 53 | 4 9 | 9 1 | 1 12 | 1 14 | 1 17 | 23 43 | 0 28 | 1 32 | 1 38 | 19 49 | 1 2 | 10 33 | 0 34 | 12 39 | 1 47 | 5 50 | 12 58 | 22 56 | 22 58 | 7 40 | 3 12 | 2 28 |
| S 7 | 1 58 | 16 50 | 4 43 | 9 17 | 0 57 | 0 43 | 1 16 | 23 42 | 0 29 | 1 35 | 1 38 | 19 50 | 1 2 | 10 33 | 0 34 | 12 39 | 1 47 | 5 51 | 12 57 | 22 55 | 22 58 | 7 43 | 3 14 | 2 27 |
| S 8 | 1 35 | 11 42 | 4 59 | 9 30 | 0 43 | 0 12 | 1 15 | 23 40 | 0 30 | 1 39 | 1 38 | 19 51 | 1 2 | 10 32 | 0 34 | 12 40 | 1 47 | 5 51 | 12 57 | 22 54 | 22 58 | 7 46 | 3 15 | 2 27 |
| M 9 | 1 11 | 5 45 | 4 56 | 9 41 | 0 28 | 0n18 | 1 14 | 23 39 | 0 32 | 1 42 | 1 38 | 19 51 | 1 2 | 10 31 | 0 34 | 12 41 | 1 47 | 5 52 | 12 57 | 22 53 | 22 57 | 7 49 | 3 16 | 2 27 |
| T 10 | 0 47 | 0n35 | 4 33 | 9 49 | 0 14 | 0 49 | 1 12 | 23 37 | 0 33 | 1 45 | 1 38 | 19 52 | 1 2 | 10 31 | 0 34 | 12 41 | 1 47 | 5 52 | 12 56 | 22 52 | 22 57 | 7 51 | 3 18 | 2 27 |
| W11 | 0 24 | 6 54 | 3 50 | 9 55 | 0 1 | 1 20 | 1 11 | 23 35 | 0 34 | 1 48 | 1 38 | 19 52 | 1 2 | 10 30 | 0 34 | 12 42 | 1 46 | 5 53 | 12 56 | 22 51 | 22 57 | 7 54 | 3 19 | 2 27 |
| T 12 | 0n 0 | 12 46 | 2 52 | 9 59 | 0s12 | 1 51 | 1 10 | 23 32 | 0 36 | 1 51 | 1 38 | 19 53 | 1 2 | 10 29 | 0 34 | 12 42 | 1 46 | 5 53 | 12 56 | 22 51 | 22 56 | 7 57 | 3 21 | 2 27 |
| F 13 | 0 24 | 17 48 | 1 43 | 10 1 | 0 25 | 2 22 | 1 8 | 23 30 | 0 37 | 1 54 | 1 38 | 19 53 | 1 2 | 10 28 | 0 34 | 12 43 | 1 46 | 5 53 | 12 56 | 22 50 | 22 56 | 8 0 | 3 22 | 2 27 |
| S 14 | 0 47 | 21 41 | 0 30 | 10 1 | 0 37 | 2 52 | 1 7 | 23 27 | 0 38 | 1 57 | 1 38 | 19 53 | 1 2 | 10 27 | 0 34 | 12 44 | 1 46 | 5 54 | 12 56 | 22 50 | 22 56 | 8 3 | 3 23 | 2 27 |
| S 15 | 1 11 | 24 9 | 0n44 | 9 58 | 0 48 | 3 23 | 1 5 | 23 24 | 0 40 | 2 0 | 1 38 | 19 54 | 1 2 | 10 27 | 0 34 | 12 44 | 1 46 | 5 54 | 12 55 | 22 50 | 22 56 | 8 6 | 3 25 | 2 27 |
| M16 | 1 35 | 25 8 | 1 53 | 9 53 | 0 59 | 3 53 | 1 4 | 23 21 | 0 41 | 2 3 | 1 38 | 19 54 | 1 2 | 10 26 | 0 34 | 12 45 | 1 46 | 5 55 | 12 55 | 22 50 | 22 55 | 8 9 | 3 26 | 2 27 |
| T 17 | 1 58 | 24 39 | 2 55 | 9 47 | 1 10 | 4 24 | 1 2 | 23 18 | 0 42 | 2 6 | 1 38 | 19 55 | 1 2 | 10 25 | 0 34 | 12 46 | 1 46 | 5 55 | 12 55 | 22 50 | 22 55 | 8 12 | 3 28 | 2 27 |
| W18 | 2 22 | 22 50 | 3 46 | 9 38 | 1 19 | 4 54 | 1 0 | 23 15 | 0 44 | 2 9 | 1 38 | 19 55 | 1 2 | 10 24 | 0 34 | 12 46 | 1 46 | 5 56 | 12 55 | 22 50 | 22 55 | 8 15 | 3 29 | 2 27 |
| T 19 | 2 45 | 19 55 | 4 24 | 9 28 | 1 29 | 5 25 | 0 59 | 23 11 | 0 45 | 2 12 | 1 38 | 19 55 | 1 2 | 10 23 | 0 34 | 12 47 | 1 46 | 5 56 | 12 54 | 22 49 | 22 54 | 8 17 | 3 30 | 2 27 |
| F 20 | 3 8 | 16 7 | 4 50 | 9 15 | 1 37 | 5 55 | 0 57 | 23 8 | 0 46 | 2 15 | 1 38 | 19 55 | 1 2 | 10 23 | 0 34 | 12 48 | 1 46 | 5 57 | 12 54 | 22 48 | 22 54 | 8 20 | 3 32 | 2 27 |
| S 21 | 3 32 | 11 42 | 5 1 | 9 1 | 1 45 | 6 25 | 0 55 | 23 4 | 0 48 | 2 18 | 1 38 | 19 56 | 1 2 | 10 22 | 0 34 | 12 48 | 1 46 | 5 57 | 12 54 | 22 47 | 22 54 | 8 23 | 3 33 | 2 27 |
| S 22 | 3 55 | 6 52 | 4 59 | 8 45 | 1 53 | 6 55 | 0 53 | 23 0 | 0 49 | 2 21 | 1 38 | 19 56 | 1 2 | 10 21 | 0 34 | 12 49 | 1 46 | 5 58 | 12 54 | 22 46 | 22 53 | 8 26 | 3 35 | 2 26 |
| M23 | 4 18 | 1 50 | 4 43 | 8 28 | 2 0 | 7 24 | 0 51 | 22 56 | 0 51 | 2 24 | 1 37 | 19 56 | 1 2 | 10 20 | 0 34 | 12 50 | 1 46 | 5 58 | 12 53 | 22 45 | 22 53 | 8 29 | 3 36 | 2 26 |
| T 24 | 4 41 | 3s15 | 4 15 | 8 8 | 2 6 | 7 54 | 0 49 | 22 51 | 0 52 | 2 27 | 1 37 | 19 56 | 1 2 | 10 19 | 0 34 | 12 50 | 1 46 | 5 58 | 12 53 | 22 43 | 22 53 | 8 32 | 3 37 | 2 26 |
| W25 | 5 4 | 8 11 | 3 36 | 7 48 | 2 12 | 8 23 | 0 47 | 22 47 | 0 54 | 2 30 | 1 37 | 19 56 | 1 2 | 10 18 | 0 34 | 12 51 | 1 46 | 5 59 | 12 53 | 22 42 | 22 52 | 8 35 | 3 39 | 2 26 |
| T 26 | 5 27 | 12 49 | 2 47 | 7 25 | 2 17 | 8 53 | 0 45 | 22 42 | 0 55 | 2 33 | 1 37 | 19 56 | 1 2 | 10 17 | 0 34 | 12 52 | 1 46 | 5 59 | 12 53 | 22 41 | 22 52 | 8 38 | 3 40 | 2 26 |
| F 27 | 5 50 | 16 59 | 1 51 | 7 1 | 2 22 | 9 22 | 0 43 | 22 37 | 0 57 | 2 35 | 1 37 | 19 56 | 1 2 | 10 17 | 0 34 | 12 52 | 1 46 | 6 0 | 12 53 | 22 41 | 22 52 | 8 41 | 3 42 | 2 26 |
| S 28 | 6 13 | 20 29 | 0 50 | 6 36 | 2 26 | 9 50 | 0 41 | 22 32 | 0 58 | 2 38 | 1 37 | 19 56 | 1 2 | 10 16 | 0 34 | 12 53 | 1 46 | 6 0 | 12 52 | 22 41 | 22 52 | 8 43 | 3 43 | 2 26 |
| S 29 | 6 35 | 23 10 | 0s14 | 6 9 | 2 29 | 10 19 | 0 39 | 22 27 | 1 0 | 2 41 | 1 37 | 19 56 | 1 2 | 10 15 | 0 34 | 12 54 | 1 46 | 6 1 | 12 52 | 22 41 | 22 51 | 8 46 | 3 44 | 2 26 |
| M30 | 6 58 | 24 49 | 1 18 | 5 41 | 2 32 | 10 47 | 0 37 | 22 22 | 1 1 | 2 43 | 1 37 | 19 56 | 1 2 | 10 14 | 0 34 | 12 54 | 1 46 | 6 1 | 12 52 | 22 41 | 22 51 | 8 49 | 3 46 | 2 26 |
| T 31 | 7n20 | 25s17 | 2s20 | 5s11 | 2s35 | 11n15 | 0s35 | 22s16 | 1s 3 | 2n46 | 1n37 | 19n56 | 1n 2 | 10s13 | 0n34 | 12n55 | 1s46 | 6n 2 | 12s52 | 22n41 | 22n51 | 8s52 | 3n47 | 2n26 |

Julian Day Number = 2228084.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'20, Lahiri = 15°19'21 Julian Calendar 1 March 1388 == Greg. Calendar 9 March 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## APRIL 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 11 6 | 19♈38'16 | 24♉49 | 24♓19 | 2♉ 3 | 25♉26 | 26°R40 | 5♌36 | 27°R48 | 9♉11 | 22♉39 | 15°R 4 | 16♊33 | 2♏15 | 3♈57 | W 1 |
| T 2 | 13 15 3 | 20°36'50 | 7♒57 | 25°43 | 3°17 | 26° 5 | 26♍33 | 5°37 | 27♎46 | 9°13 | 22°40 | 15♊ 2 | 16°30 | 2°22 | 4° 1 | T 2 |
| F 3 | 13 18 59 | 21°35'22 | 21°33 | 27° 9 | 4°31 | 26°44 | 26°26 | 5°37 | 27°43 | 9°15 | 22°41 | 14°59 | 16°27 | 2°28 | 4° 4 | F 3 |
| S 4 | 13 22 56 | 22°33'52 | 5♓38 | 28°38 | 5°45 | 27°23 | 26°20 | 5°38 | 27°41 | 9°17 | 22°42 | 14°53 | 16°23 | 2°35 | 4° 8 | S 4 |
| S 5 | 13 26 53 | 23°32'20 | 20°12 | 0♈ 8 | 6°59 | 28° 2 | 26°14 | 5°39 | 27°38 | 9°19 | 22°43 | 14°46 | 16°20 | 2°42 | 4°11 | S 5 |
| M 6 | 13 30 49 | 24°30'47 | 5♈ 8 | 1°39 | 8°13 | 28°41 | 26° 8 | 5°39 | 27°36 | 9°22 | 22°45 | 14°38 | 16°17 | 2°48 | 4°15 | M 6 |
| T 7 | 13 34 46 | 25°29'12 | 20°20 | 3°13 | 9°27 | 29°20 | 26° 2 | 5°40 | 27°33 | 9°24 | 22°46 | 14°31 | 16°14 | 2°55 | 4°18 | T 7 |
| W 8 | 13 38 42 | 26°27'35 | 5♉36 | 4°49 | 10°41 | 29°59 | 25°56 | 5°41 | 27°30 | 9°26 | 22°47 | 14°25 | 16°11 | 3° 2 | 4°22 | W 8 |
| T 9 | 13 42 39 | 27°25'57 | 20°46 | 6°26 | 11°54 | 0♒37 | 25°50 | 5°42 | 27°28 | 9°28 | 22°48 | 14°21 | 16° 8 | 3° 8 | 4°25 | T 9 |
| F 10 | 13 46 35 | 28°24'16 | 5♊40 | 8° 5 | 13° 8 | 1°16 | 25°45 | 5°44 | 27°25 | 9°30 | 22°50 | 14°19 | 16° 4 | 3°15 | 4°29 | F 10 |
| S 11 | 13 50 32 | 29°22'34 | 20°12 | 9°46 | 14°22 | 1°55 | 25°39 | 5°45 | 27°23 | 9°33 | 22°51 | 14°D18 | 16° 1 | 3°22 | 4°32 | S 11 |
| S 12 | 13 54 28 | 0♉20'49 | 4♋19 | 11°28 | 15°36 | 2°33 | 25°34 | 5°46 | 27°20 | 9°35 | 22°52 | 14°19 | 15°58 | 3°28 | 4°35 | S 12 |
| M13 | 13 58 25 | 1°19'02 | 18° 0 | 13°13 | 16°49 | 3°12 | 25°29 | 5°48 | 27°18 | 9°37 | 22°53 | 14°21 | 15°55 | 3°35 | 4°39 | M13 |
| T 14 | 14 2 22 | 2°17'14 | 1♌17 | 14°59 | 18° 3 | 3°50 | 25°24 | 5°50 | 27°15 | 9°39 | 22°55 | 14°R21 | 15°52 | 3°42 | 4°42 | T 14 |
| W15 | 14 6 18 | 3°15'23 | 14°11 | 16°47 | 19°17 | 4°29 | 25°19 | 5°51 | 27°13 | 9°42 | 22°56 | 14°21 | 15°49 | 3°48 | 4°45 | W15 |
| T 16 | 14 10 15 | 4°13'30 | 26°47 | 18°37 | 20°30 | 5° 7 | 25°14 | 5°53 | 27°10 | 9°44 | 22°57 | 14°18 | 15°45 | 3°55 | 4°49 | T 16 |
| F 17 | 14 14 11 | 5°11'35 | 9♍ 9 | 20°28 | 21°44 | 5°45 | 25° 9 | 5°55 | 27° 8 | 9°46 | 22°58 | 14°14 | 15°42 | 4° 2 | 4°52 | F 17 |
| S 18 | 14 18 8 | 6° 9'38 | 21°18 | 22°22 | 22°57 | 6°24 | 25° 5 | 5°57 | 27° 5 | 9°48 | 23° 0 | 14° 9 | 15°39 | 4° 9 | 4°55 | S 18 |
| S 19 | 14 22 4 | 7° 7'40 | 3♎20 | 24°17 | 24°11 | 7° 2 | 25° 1 | 5°59 | 27° 3 | 9°50 | 23° 1 | 14° 2 | 15°36 | 4°15 | 4°58 | S 19 |
| M20 | 14 26 1 | 8° 5'39 | 15°15 | 26°14 | 25°24 | 7°40 | 24°57 | 6° 2 | 27° 0 | 9°53 | 23° 2 | 13°56 | 15°33 | 4°22 | 5° 2 | M20 |
| T 21 | 14 29 57 | 9° 3'37 | 27° 7 | 28°13 | 26°38 | 8°18 | 24°53 | 6° 4 | 26°58 | 9°55 | 23° 4 | 13°49 | 15°29 | 4°29 | 5° 5 | T 21 |
| W22 | 14 33 54 | 10° 1'33 | 8♏57 | 0♉13 | 27°51 | 8°56 | 24°49 | 6° 6 | 26°55 | 9°57 | 23° 5 | 13°44 | 15°26 | 4°35 | 5° 8 | W22 |
| T 23 | 14 37 51 | 10°59'28 | 20°47 | 2°15 | 29° 5 | 9°34 | 24°45 | 6° 9 | 26°53 | 10° 0 | 23° 6 | 13°41 | 15°23 | 4°42 | 5°11 | T 23 |
| F 24 | 14 41 47 | 11°57'21 | 2♐39 | 4°19 | 0♊18 | 10°11 | 24°42 | 6°12 | 26°50 | 10° 2 | 23° 8 | 13°38 | 15°20 | 4°49 | 5°14 | F 24 |
| S 25 | 14 45 44 | 12°55'12 | 14°35 | 6°24 | 1°32 | 10°49 | 24°39 | 6°14 | 26°48 | 10° 4 | 23° 9 | 13°D38 | 15°17 | 4°55 | 5°17 | S 25 |
| S 26 | 14 49 40 | 13°53'03 | 26°39 | 8°31 | 2°45 | 11°27 | 24°36 | 6°17 | 26°45 | 10° 6 | 23°10 | 13°39 | 15°14 | 5° 2 | 5°20 | S 26 |
| M27 | 14 53 37 | 14°50'52 | 8♑53 | 10°39 | 3°58 | 12° 4 | 24°33 | 6°20 | 26°43 | 10° 9 | 23°12 | 13°40 | 15°10 | 5° 9 | 5°23 | M27 |
| T 28 | 14 57 33 | 15°48'39 | 21°20 | 12°48 | 5°12 | 12°42 | 24°30 | 6°23 | 26°41 | 10°11 | 23°13 | 13°42 | 15° 7 | 5°15 | 5°26 | T 28 |
| W29 | 15 1 30 | 16°46'26 | 4♒ 6 | 14°58 | 6°25 | 13°19 | 24°27 | 6°26 | 26°38 | 10°13 | 23°14 | 13°43 | 15° 4 | 5°22 | 5°29 | W29 |
| T 30 | 15 5 26 | 17♉44'11 | 17♒12 | 17♉ 8 | 7♊38 | 13♒56 | 24♍25 | 6♌30 | 26♎36 | 10♉15 | 23♉16 | 13°R44 | 15♊ 1 | 5♏29 | 5♈32 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n42 | 24s28 | 3s17 | 4s40 | 2s37 | 11n43 | 0s33 | 22s11 | 1s 5 | 2n49 | 1n37 | 19n56 | 1n 2 | 10s12 | 0n34 | 12n56 | 1s46 | 6n 2 | 12s52 | 22n41 | 22n50 | 8s55 | 3n49 | 2n26 |
| T 2 | 8 5 | 22 17 | 4 5 | 4 7 | 2 38 | 12 11 | 0 30 | 22 5 | 1 6 | 2 51 | 1 37 | 19 56 | 1 2 | 10 11 | 0 34 | 12 56 | 1 46 | 6 3 | 12 52 | 22 41 | 22 50 | 8 58 | 3 50 | 2 26 |
| F 3 | 8 27 | 18 48 | 4 42 | 3 34 | 2 39 | 12 38 | 0 28 | 21 59 | 1 8 | 2 54 | 1 36 | 19 56 | 1 2 | 10 10 | 0 34 | 12 57 | 1 46 | 6 3 | 12 51 | 22 40 | 22 50 | 9 1 | 3 51 | 2 26 |
| S 4 | 8 48 | 14 10 | 5 3 | 2 59 | 2 39 | 13 5 | 0 26 | 21 53 | 1 9 | 2 56 | 1 36 | 19 56 | 1 2 | 10 9 | 0 34 | 12 58 | 1 46 | 6 3 | 12 51 | 22 40 | 22 49 | 9 4 | 3 53 | 2 26 |
| S 5 | 9 10 | 8 34 | 5 5 | 2 22 | 2 39 | 13 31 | 0 23 | 21 47 | 1 11 | 2 58 | 1 36 | 19 56 | 1 2 | 10 9 | 0 34 | 12 59 | 1 46 | 6 4 | 12 51 | 22 39 | 22 49 | 9 6 | 3 54 | 2 26 |
| M 6 | 9 32 | 2 21 | 4 48 | 1 45 | 2 38 | 13 58 | 0 21 | 21 41 | 1 13 | 3 1 | 1 36 | 19 55 | 1 2 | 10 8 | 0 34 | 12 59 | 1 46 | 6 4 | 12 51 | 22 38 | 22 49 | 9 9 | 3 55 | 2 26 |
| T 7 | 9 53 | 4n 7 | 4 9 | 1 6 | 2 36 | 14 24 | 0 19 | 21 34 | 1 14 | 3 3 | 1 36 | 19 55 | 1 2 | 10 7 | 0 34 | 13 0 | 1 46 | 6 5 | 12 51 | 22 37 | 22 48 | 9 12 | 3 57 | 2 26 |
| W 8 | 10 15 | 10 24 | 3 13 | 0 27 | 2 34 | 14 49 | 0 16 | 21 28 | 1 16 | 3 5 | 1 36 | 19 55 | 1 2 | 10 6 | 0 34 | 13 1 | 1 46 | 6 5 | 12 51 | 22 36 | 22 48 | 9 15 | 3 58 | 2 26 |
| T 9 | 10 36 | 16 1 | 2 4 | 0n14 | 2 32 | 15 15 | 0 14 | 21 21 | 1 18 | 3 7 | 1 36 | 19 55 | 1 2 | 10 5 | 0 34 | 13 1 | 1 46 | 6 6 | 12 50 | 22 36 | 22 48 | 9 18 | 4 0 | 2 26 |
| F 10 | 10 57 | 20 33 | 0 47 | 0 56 | 2 29 | 15 39 | 0 11 | 21 14 | 1 19 | 3 9 | 1 35 | 19 54 | 1 2 | 10 4 | 0 34 | 13 2 | 1 46 | 6 6 | 12 50 | 22 36 | 22 47 | 9 21 | 4 1 | 2 26 |
| S 11 | 11 17 | 23 41 | 0n32 | 1 39 | 2 25 | 16 4 | 0 9 | 21 7 | 1 21 | 3 11 | 1 35 | 19 54 | 1 2 | 10 3 | 0 34 | 13 3 | 1 46 | 6 6 | 12 50 | 22 36 | 22 47 | 9 24 | 4 2 | 2 26 |
| S 12 | 11 38 | 25 13 | 1 46 | 2 23 | 2 21 | 16 28 | 0 6 | 21 0 | 1 23 | 3 13 | 1 35 | 19 53 | 1 2 | 10 2 | 0 34 | 13 4 | 1 46 | 6 7 | 12 50 | 22 36 | 22 47 | 9 26 | 4 4 | 2 26 |
| M13 | 11 58 | 25 9 | 2 52 | 3 8 | 2 17 | 16 52 | 0 4 | 20 53 | 1 25 | 3 15 | 1 35 | 19 53 | 1 2 | 10 1 | 0 34 | 13 4 | 1 46 | 6 7 | 12 50 | 22 36 | 22 46 | 9 29 | 4 5 | 2 26 |
| T 14 | 12 18 | 23 38 | 3 47 | 3 54 | 2 12 | 17 15 | 0 1 | 20 46 | 1 27 | 3 17 | 1 35 | 19 53 | 1 2 | 10 0 | 0 34 | 13 5 | 1 46 | 6 8 | 12 50 | 22 36 | 22 46 | 9 32 | 4 6 | 2 26 |
| W15 | 12 38 | 20 54 | 4 28 | 4 41 | 2 6 | 17 38 | 0n 1 | 20 38 | 1 28 | 3 19 | 1 34 | 19 52 | 1 2 | 9 59 | 0 34 | 13 6 | 1 46 | 6 8 | 12 50 | 22 36 | 22 46 | 9 35 | 4 7 | 2 26 |
| T 16 | 12 58 | 17 15 | 4 56 | 5 28 | 2 0 | 18 0 | 0 4 | 20 31 | 1 30 | 3 21 | 1 34 | 19 52 | 1 2 | 9 59 | 0 34 | 13 6 | 1 46 | 6 9 | 12 50 | 22 36 | 22 45 | 9 38 | 4 9 | 2 26 |
| F 17 | 13 18 | 12 56 | 5 9 | 6 16 | 1 53 | 18 22 | 0 6 | 20 23 | 1 32 | 3 22 | 1 34 | 19 51 | 1 2 | 9 58 | 0 34 | 13 7 | 1 46 | 6 9 | 12 49 | 22 35 | 22 45 | 9 41 | 4 10 | 2 26 |
| S 18 | 13 37 | 8 10 | 5 8 | 7 5 | 1 46 | 18 43 | 0 9 | 20 15 | 1 34 | 3 24 | 1 34 | 19 51 | 1 2 | 9 57 | 0 34 | 13 8 | 1 46 | 6 9 | 12 49 | 22 34 | 22 45 | 9 44 | 4 11 | 2 26 |
| S 19 | 13 56 | 3 9 | 4 53 | 7 55 | 1 39 | 19 4 | 0 11 | 20 7 | 1 36 | 3 25 | 1 34 | 19 50 | 1 2 | 9 56 | 0 34 | 13 9 | 1 46 | 6 10 | 12 49 | 22 34 | 22 44 | 9 46 | 4 13 | 2 26 |
| M20 | 14 15 | 1s57 | 4 25 | 8 45 | 1 31 | 19 24 | 0 14 | 19 59 | 1 38 | 3 27 | 1 34 | 19 50 | 1 2 | 9 55 | 0 34 | 13 9 | 1 46 | 6 10 | 12 49 | 22 33 | 22 44 | 9 49 | 4 14 | 2 26 |
| T 21 | 14 34 | 6 57 | 3 47 | 9 36 | 1 22 | 19 44 | 0 17 | 19 51 | 1 39 | 3 28 | 1 33 | 19 49 | 1 2 | 9 54 | 0 34 | 13 10 | 1 46 | 6 11 | 12 49 | 22 32 | 22 44 | 9 52 | 4 15 | 2 26 |
| W22 | 14 52 | 11 43 | 2 58 | 10 26 | 1 13 | 20 4 | 0 19 | 19 43 | 1 41 | 3 29 | 1 33 | 19 48 | 1 2 | 9 53 | 0 34 | 13 11 | 1 46 | 6 11 | 12 49 | 22 32 | 22 43 | 9 55 | 4 16 | 2 26 |
| T 23 | 15 10 | 16 3 | 2 2 | 11 17 | 1 4 | 20 22 | 0 22 | 19 35 | 1 43 | 3 31 | 1 33 | 19 48 | 1 2 | 9 52 | 0 33 | 13 11 | 1 46 | 6 11 | 12 49 | 22 31 | 22 43 | 9 58 | 4 18 | 2 26 |
| F 24 | 15 28 | 19 47 | 1 0 | 12 9 | 0 55 | 20 41 | 0 24 | 19 26 | 1 45 | 3 32 | 1 33 | 19 47 | 1 2 | 9 52 | 0 33 | 13 12 | 1 46 | 6 12 | 12 49 | 22 31 | 22 43 | 10 1 | 4 19 | 2 26 |
| S 25 | 15 46 | 22 43 | 0s 5 | 13 0 | 0 45 | 20 58 | 0 27 | 19 18 | 1 47 | 3 33 | 1 32 | 19 46 | 1 2 | 9 51 | 0 33 | 13 13 | 1 46 | 6 12 | 12 49 | 22 31 | 22 42 | 10 4 | 4 20 | 2 26 |
| S 26 | 16 4 | 24 39 | 1 11 | 13 50 | 0 35 | 21 15 | 0 29 | 19 9 | 1 49 | 3 34 | 1 32 | 19 45 | 1 2 | 9 50 | 0 33 | 13 14 | 1 46 | 6 13 | 12 49 | 22 31 | 22 42 | 10 6 | 4 21 | 2 26 |
| M27 | 16 21 | 25 27 | 2 14 | 14 41 | 0 24 | 21 32 | 0 32 | 19 1 | 1 51 | 3 35 | 1 32 | 19 45 | 1 2 | 9 49 | 0 33 | 13 14 | 1 46 | 6 13 | 12 48 | 22 31 | 22 41 | 10 9 | 4 23 | 2 26 |
| T 28 | 16 38 | 24 59 | 3 12 | 15 31 | 0 14 | 21 48 | 0 34 | 18 52 | 1 53 | 3 36 | 1 32 | 19 44 | 1 2 | 9 48 | 0 33 | 13 15 | 1 46 | 6 13 | 12 48 | 22 31 | 22 41 | 10 12 | 4 24 | 2 26 |
| W29 | 16 54 | 23 13 | 4 3 | 16 19 | 0 3 | 22 3 | 0 37 | 18 43 | 1 55 | 3 37 | 1 32 | 19 43 | 1 2 | 9 47 | 0 33 | 13 16 | 1 46 | 6 14 | 12 48 | 22 31 | 22 41 | 10 15 | 4 25 | 2 26 |
| T 30 | 17n11 | 20s12 | 4s42 | 17n 7 | 0n 7 | 22n18 | 0n39 | 18s34 | 1s57 | 3n37 | 1n31 | 19n42 | 1n 2 | 9s46 | 0n33 | 13n16 | 1s46 | 6n14 | 12s48 | 22n31 | 22n40 | 10s18 | 4n26 | 2n26 |

Julian Day Number = 2228115.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'24, Lahiri = 15°19'25 Julian Calendar 1 Apr. 1388 == Greg. Calendar 9 Apr. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## MAY 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 9 23 | 18♉41'55 | 0♓42 | 19♉20 | 8♊51 | 14♒33 | 24°R23 | 6♌33 | 26°R34 | 10♉17 | 23♉17 | 13°R43 | 14♊58 | 5♏35 | 5♈35 | F 1 |
| S 2 | 15 13 20 | 19°39'39 | 14°38 | 21°31 | 10° 5 | 15°11 | 24♍21 | 6°36 | 26♎31 | 10°20 | 23°18 | 13♊41 | 14°55 | 5°42 | 5°38 | S 2 |
| S 3 | 15 17 16 | 20°37'21 | 29° 0 | 23°42 | 11°18 | 15°47 | 24°19 | 6°40 | 26°29 | 10°22 | 23°20 | 13°39 | 14°51 | 5°49 | 5°41 | S 3 |
| M 4 | 15 21 13 | 21°35'01 | 13♈44 | 25°53 | 12°31 | 16°24 | 24°17 | 6°43 | 26°27 | 10°24 | 23°21 | 13°36 | 14°48 | 5°55 | 5°43 | M 4 |
| T 5 | 15 25 9 | 22°32'41 | 28°44 | 28° 4 | 13°44 | 17° 1 | 24°16 | 6°47 | 26°25 | 10°26 | 23°23 | 13°33 | 14°45 | 6° 2 | 5°46 | T 5 |
| W 6 | 15 29 6 | 23°30'20 | 13♉54 | 0♊13 | 14°57 | 17°38 | 24°14 | 6°51 | 26°23 | 10°29 | 23°24 | 13°31 | 14°42 | 6° 9 | 5°49 | W 6 |
| T 7 | 15 33 2 | 24°27'58 | 29° 2 | 2°22 | 16°10 | 18°14 | 24°13 | 6°55 | 26°20 | 10°31 | 23°25 | 13°30 | 14°39 | 6°15 | 5°52 | T 7 |
| F 8 | 15 36 59 | 25°25'34 | 14♊ 0 | 4°29 | 17°23 | 18°50 | 24°12 | 6°59 | 26°18 | 10°33 | 23°27 | 13°D29 | 14°35 | 6°22 | 5°54 | F 8 |
| S 9 | 15 40 55 | 26°23'09 | 28°40 | 6°34 | 18°36 | 19°27 | 24°11 | 7° 3 | 26°16 | 10°35 | 23°28 | 13°30 | 14°32 | 6°29 | 5°57 | S 9 |
| S 10 | 15 44 52 | 27°20'43 | 12♋57 | 8°38 | 19°49 | 20° 3 | 24°11 | 7° 7 | 26°14 | 10°37 | 23°29 | 13°31 | 14°29 | 6°35 | 5°59 | S 10 |
| M11 | 15 48 49 | 28°18'15 | 26°47 | 10°40 | 21° 2 | 20°39 | 24°10 | 7°11 | 26°12 | 10°40 | 23°31 | 13°32 | 14°26 | 6°42 | 6° 2 | M11 |
| T 12 | 15 52 45 | 29°15'46 | 10♌11 | 12°39 | 22°15 | 21°14 | 24°10 | 7°15 | 26°10 | 10°42 | 23°32 | 13°33 | 14°23 | 6°49 | 6° 4 | T 12 |
| W13 | 15 56 42 | 0♊13'16 | 23°10 | 14°36 | 23°28 | 21°50 | 24°D10 | 7°20 | 26° 8 | 10°44 | 23°33 | 13°34 | 14°20 | 6°55 | 6° 7 | W13 |
| T 14 | 16 0 38 | 1°10'44 | 5♍48 | 16°31 | 24°41 | 22°26 | 24°10 | 7°24 | 26° 6 | 10°46 | 23°35 | 13°R34 | 14°16 | 7° 2 | 6° 9 | T 14 |
| F 15 | 16 4 35 | 2° 8'11 | 18° 8 | 18°23 | 25°54 | 23° 1 | 24°11 | 7°29 | 26° 4 | 10°48 | 23°36 | 13°33 | 14°13 | 7° 9 | 6°12 | F 15 |
| S 16 | 16 8 31 | 3° 5'37 | 0♎15 | 20°13 | 27° 7 | 23°36 | 24°11 | 7°33 | 26° 2 | 10°50 | 23°37 | 13°32 | 14°10 | 7°15 | 6°14 | S 16 |
| S 17 | 16 12 28 | 4° 3'01 | 12°12 | 22° 0 | 28°19 | 24°11 | 24°12 | 7°38 | 26° 1 | 10°52 | 23°39 | 13°31 | 14° 7 | 7°22 | 6°16 | S 17 |
| M18 | 16 16 24 | 5° 0'24 | 24° 4 | 23°45 | 29°32 | 24°46 | 24°13 | 7°43 | 25°59 | 10°55 | 23°40 | 13°30 | 14° 4 | 7°29 | 6°19 | M18 |
| T 19 | 16 20 21 | 5°57'46 | 5♏53 | 25°27 | 0♋45 | 25°21 | 24°14 | 7°48 | 25°57 | 10°57 | 23°41 | 13°29 | 14° 0 | 7°35 | 6°21 | T 19 |
| W20 | 16 24 18 | 6°55'08 | 17°43 | 27° 6 | 1°58 | 25°55 | 24°15 | 7°52 | 25°55 | 10°59 | 23°43 | 13°28 | 13°57 | 7°42 | 6°23 | W20 |
| T 21 | 16 28 14 | 7°52'28 | 29°36 | 28°42 | 3°10 | 26°30 | 24°16 | 7°57 | 25°54 | 11° 1 | 23°44 | 13°27 | 13°54 | 7°49 | 6°25 | T 21 |
| F 22 | 16 32 11 | 8°49'47 | 11♐35 | 0♋16 | 4°23 | 27° 4 | 24°18 | 8° 2 | 25°52 | 11° 3 | 23°45 | 13°D27 | 13°51 | 7°55 | 6°27 | F 22 |
| S 23 | 16 36 7 | 9°47'06 | 23°42 | 1°47 | 5°35 | 27°38 | 24°20 | 8° 8 | 25°50 | 11° 5 | 23°47 | 13°27 | 13°48 | 8° 2 | 6°29 | S 23 |
| S 24 | 16 40 4 | 10°44'24 | 5♑57 | 3°15 | 6°48 | 28°12 | 24°22 | 8°13 | 25°49 | 11° 7 | 23°48 | 13°27 | 13°45 | 8° 9 | 6°31 | S 24 |
| M25 | 16 44 0 | 11°41'42 | 18°24 | 4°40 | 8° 1 | 28°45 | 24°24 | 8°18 | 25°47 | 11° 9 | 23°49 | 13°28 | 13°41 | 8°16 | 6°33 | M25 |
| T 26 | 16 47 57 | 12°38'59 | 1♒ 4 | 6° 2 | 9°13 | 29°19 | 24°26 | 8°23 | 25°46 | 11°11 | 23°51 | 13°28 | 13°38 | 8°22 | 6°35 | T 26 |
| W27 | 16 51 53 | 13°36'15 | 14° 0 | 7°21 | 10°25 | 29°52 | 24°28 | 8°29 | 25°44 | 11°13 | 23°52 | 13°R28 | 13°35 | 8°29 | 6°37 | W27 |
| T 28 | 16 55 50 | 14°33'31 | 27°12 | 8°38 | 11°38 | 0♓25 | 24°31 | 8°34 | 25°43 | 11°15 | 23°53 | 13°28 | 13°32 | 8°36 | 6°39 | T 28 |
| F 29 | 16 59 47 | 15°30'47 | 10♓42 | 9°51 | 12°50 | 0°58 | 24°34 | 8°40 | 25°42 | 11°17 | 23°55 | 13°D28 | 13°29 | 8°42 | 6°41 | F 29 |
| S 30 | 17 3 43 | 16°28'02 | 24°32 | 11° 2 | 14° 3 | 1°31 | 24°37 | 8°46 | 25°40 | 11°19 | 23°56 | 13°28 | 13°26 | 8°49 | 6°42 | S 30 |
| S 31 | 17 7 40 | 17♊25'17 | 8♈41 | 12♋ 9 | 15♋15 | 2♓ 3 | 24♍40 | 8♌51 | 25♎39 | 11♉21 | 23♉57 | 13♊28 | 13♊22 | 8♏56 | 6♈44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n27 | 16s 2 | 5s 7 | 17n54 | 0n18 | 22n32 | 0n42 | 18s25 | 1s59 | 3n38 | 1n31 | 19n41 | 1n 1 | 9s46 | 0n33 | 13n17 | 1s46 | 6n15 | 12s48 | 22n31 | 22n40 | 10s21 | 4n27 | 2n26 |
| S 2 | 17 42 | 10 54 | 5 15 | 18 39 | 0 28 | 22 46 | 0 44 | 18 16 | 2 1 | 3 39 | 1 31 | 19 41 | 1 1 | 9 45 | 0 33 | 13 18 | 1 46 | 6 15 | 12 48 | 22 31 | 22 40 | 10 24 | 4 29 | 2 26 |
| S 3 | 17 58 | 5 2 | 5 3 | 19 23 | 0 38 | 22 59 | 0 46 | 18 7 | 2 3 | 3 39 | 1 31 | 19 40 | 1 1 | 9 44 | 0 33 | 13 18 | 1 46 | 6 15 | 12 48 | 22 31 | 22 39 | 10 26 | 4 30 | 2 26 |
| M 4 | 18 13 | 1n15 | 4 32 | 20 4 | 0 48 | 23 11 | 0 49 | 17 58 | 2 6 | 3 40 | 1 30 | 19 39 | 1 1 | 9 43 | 0 33 | 13 19 | 1 46 | 6 16 | 12 48 | 22 31 | 22 39 | 10 29 | 4 31 | 2 26 |
| T 5 | 18 28 | 7 36 | 3 42 | 20 44 | 0 58 | 23 22 | 0 51 | 17 49 | 2 8 | 3 40 | 1 30 | 19 38 | 1 1 | 9 42 | 0 33 | 13 20 | 1 46 | 6 16 | 12 48 | 22 30 | 22 39 | 10 32 | 4 32 | 2 26 |
| W 6 | 18 43 | 13 35 | 2 36 | 21 21 | 1 7 | 23 33 | 0 54 | 17 40 | 2 10 | 3 40 | 1 30 | 19 37 | 1 1 | 9 42 | 0 33 | 13 20 | 1 46 | 6 16 | 12 48 | 22 30 | 22 38 | 10 35 | 4 33 | 2 26 |
| T 7 | 18 57 | 18 43 | 1 19 | 21 57 | 1 16 | 23 43 | 0 56 | 17 30 | 2 12 | 3 40 | 1 30 | 19 36 | 1 1 | 9 41 | 0 33 | 13 21 | 1 46 | 6 17 | 12 48 | 22 30 | 22 38 | 10 38 | 4 34 | 2 26 |
| F 8 | 19 11 | 22 36 | 0n 3 | 22 29 | 1 24 | 23 53 | 0 58 | 17 21 | 2 14 | 3 41 | 1 29 | 19 35 | 1 1 | 9 40 | 0 33 | 13 22 | 1 46 | 6 17 | 12 48 | 22 30 | 22 38 | 10 41 | 4 35 | 2 26 |
| S 9 | 19 25 | 24 54 | 1 23 | 22 59 | 1 32 | 24 2 | 1 0 | 17 12 | 2 16 | 3 41 | 1 29 | 19 34 | 1 1 | 9 39 | 0 33 | 13 22 | 1 46 | 6 17 | 12 48 | 22 30 | 22 37 | 10 43 | 4 36 | 2 26 |
| S 10 | 19 38 | 25 28 | 2 36 | 23 26 | 1 39 | 24 10 | 1 3 | 17 2 | 2 19 | 3 41 | 1 29 | 19 33 | 1 1 | 9 39 | 0 33 | 13 23 | 1 46 | 6 18 | 12 48 | 22 30 | 22 37 | 10 46 | 4 37 | 2 26 |
| M11 | 19 51 | 24 25 | 3 37 | 23 51 | 1 45 | 24 18 | 1 5 | 16 53 | 2 21 | 3 41 | 1 29 | 19 32 | 1 1 | 9 38 | 0 33 | 13 24 | 1 46 | 6 18 | 12 48 | 22 30 | 22 36 | 10 49 | 4 38 | 2 26 |
| T 12 | 20 4 | 22 0 | 4 25 | 24 13 | 1 51 | 24 24 | 1 7 | 16 43 | 2 23 | 3 40 | 1 28 | 19 30 | 1 1 | 9 37 | 0 33 | 13 24 | 1 46 | 6 18 | 12 48 | 22 30 | 22 36 | 10 52 | 4 39 | 2 26 |
| W13 | 20 16 | 18 30 | 4 57 | 24 33 | 1 56 | 24 30 | 1 9 | 16 34 | 2 25 | 3 40 | 1 28 | 19 29 | 1 1 | 9 37 | 0 33 | 13 25 | 1 46 | 6 19 | 12 48 | 22 30 | 22 36 | 10 55 | 4 40 | 2 26 |
| T 14 | 20 28 | 14 16 | 5 14 | 24 49 | 2 0 | 24 36 | 1 11 | 16 24 | 2 27 | 3 40 | 1 28 | 19 28 | 1 1 | 9 36 | 0 33 | 13 26 | 1 46 | 6 19 | 12 48 | 22 30 | 22 35 | 10 58 | 4 41 | 2 26 |
| F 15 | 20 40 | 9 32 | 5 16 | 25 3 | 2 3 | 24 40 | 1 13 | 16 15 | 2 30 | 3 40 | 1 28 | 19 27 | 1 1 | 9 35 | 0 33 | 13 26 | 1 46 | 6 19 | 12 48 | 22 30 | 22 35 | 11 0 | 4 42 | 2 26 |
| S 16 | 20 51 | 4 32 | 5 3 | 25 15 | 2 6 | 24 44 | 1 15 | 16 5 | 2 32 | 3 39 | 1 27 | 19 26 | 1 1 | 9 35 | 0 33 | 13 27 | 1 46 | 6 20 | 12 48 | 22 30 | 22 35 | 11 3 | 4 43 | 2 26 |
| S 17 | 21 2 | 0s34 | 4 38 | 25 24 | 2 8 | 24 48 | 1 17 | 15 56 | 2 34 | 3 39 | 1 27 | 19 25 | 1 1 | 9 34 | 0 33 | 13 28 | 1 46 | 6 20 | 12 48 | 22 30 | 22 34 | 11 6 | 4 44 | 2 26 |
| M18 | 21 12 | 5 38 | 4 1 | 25 31 | 2 9 | 24 50 | 1 19 | 15 46 | 2 37 | 3 38 | 1 27 | 19 23 | 1 1 | 9 33 | 0 33 | 13 28 | 1 46 | 6 20 | 12 48 | 22 30 | 22 34 | 11 9 | 4 45 | 2 27 |
| T 19 | 21 22 | 10 29 | 3 14 | 25 36 | 2 9 | 24 52 | 1 21 | 15 37 | 2 39 | 3 37 | 1 27 | 19 22 | 1 1 | 9 33 | 0 33 | 13 29 | 1 46 | 6 21 | 12 48 | 22 30 | 22 33 | 11 12 | 4 46 | 2 27 |
| W20 | 21 32 | 14 58 | 2 18 | 25 38 | 2 9 | 24 53 | 1 22 | 15 27 | 2 41 | 3 37 | 1 26 | 19 21 | 1 1 | 9 32 | 0 33 | 13 30 | 1 46 | 6 21 | 12 48 | 22 30 | 22 33 | 11 14 | 4 47 | 2 27 |
| T 21 | 21 42 | 18 54 | 1 16 | 25 39 | 2 8 | 24 53 | 1 24 | 15 17 | 2 44 | 3 36 | 1 26 | 19 19 | 1 1 | 9 32 | 0 33 | 13 30 | 1 46 | 6 21 | 12 48 | 22 29 | 22 33 | 11 17 | 4 48 | 2 27 |
| F 22 | 21 51 | 22 5 | 0 10 | 25 37 | 2 6 | 24 53 | 1 26 | 15 8 | 2 46 | 3 35 | 1 26 | 19 18 | 1 1 | 9 31 | 0 33 | 13 31 | 1 46 | 6 21 | 12 48 | 22 29 | 22 32 | 11 20 | 4 49 | 2 27 |
| S 23 | 22 0 | 24 19 | 0s57 | 25 34 | 2 3 | 24 51 | 1 28 | 14 58 | 2 49 | 3 34 | 1 26 | 19 17 | 1 1 | 9 30 | 0 33 | 13 31 | 1 46 | 6 22 | 12 48 | 22 29 | 22 32 | 11 23 | 4 50 | 2 27 |
| S 24 | 22 8 | 25 25 | 2 2 | 25 29 | 2 0 | 24 50 | 1 29 | 14 49 | 2 51 | 3 33 | 1 25 | 19 15 | 1 1 | 9 30 | 0 33 | 13 32 | 1 46 | 6 22 | 12 48 | 22 29 | 22 32 | 11 26 | 4 51 | 2 27 |
| M25 | 22 16 | 25 15 | 3 2 | 25 22 | 1 56 | 24 47 | 1 31 | 14 39 | 2 54 | 3 32 | 1 25 | 19 14 | 1 1 | 9 29 | 0 33 | 13 33 | 1 46 | 6 22 | 12 48 | 22 29 | 22 31 | 11 29 | 4 51 | 2 27 |
| T 26 | 22 23 | 23 48 | 3 55 | 25 14 | 1 51 | 24 44 | 1 32 | 14 30 | 2 56 | 3 31 | 1 25 | 19 13 | 1 1 | 9 29 | 0 33 | 13 33 | 1 46 | 6 22 | 12 48 | 22 30 | 22 31 | 11 31 | 4 52 | 2 27 |
| W27 | 22 31 | 21 5 | 4 37 | 25 4 | 1 45 | 24 40 | 1 33 | 14 20 | 2 59 | 3 30 | 1 25 | 19 11 | 1 1 | 9 28 | 0 33 | 13 34 | 1 46 | 6 23 | 12 48 | 22 30 | 22 30 | 11 34 | 4 53 | 2 27 |
| T 28 | 22 37 | 17 15 | 5 5 | 24 53 | 1 39 | 24 35 | 1 35 | 14 11 | 3 1 | 3 29 | 1 24 | 19 10 | 1 1 | 9 28 | 0 33 | 13 34 | 1 46 | 6 23 | 12 48 | 22 30 | 22 30 | 11 37 | 4 54 | 2 27 |
| F 29 | 22 44 | 12 28 | 5 17 | 24 41 | 1 32 | 24 29 | 1 36 | 14 1 | 3 4 | 3 27 | 1 24 | 19 8 | 1 1 | 9 27 | 0 33 | 13 35 | 1 46 | 6 23 | 12 48 | 22 30 | 22 30 | 11 40 | 4 55 | 2 27 |
| S 30 | 22 50 | 6 56 | 5 12 | 24 28 | 1 24 | 24 23 | 1 37 | 13 52 | 3 6 | 3 26 | 1 24 | 19 7 | 1 1 | 9 27 | 0 33 | 13 35 | 1 46 | 6 23 | 12 48 | 22 30 | 22 29 | 11 43 | 4 55 | 2 27 |
| S 31 | 22n55 | 0s57 | 4s47 | 24n13 | 1n16 | 24n16 | 1n38 | 13s43 | 3s 9 | 3n24 | 1n24 | 19n 5 | 1n 1 | 9s27 | 0n33 | 13n36 | 1s46 | 6n24 | 12s49 | 22n30 | 22n29 | 11s45 | 4n56 | 2n27 |

Julian Day Number = 2228145.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'29, Lahiri = 15°19'29 Julian Calendar 1 May 1388 == Greg. Calendar 9 May 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## JUNE 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 11 36 | 18♊22'32 | 23♈ 8 | 13♋13 | 16♋27 | 2♓35 | 24♍43 | 8♌57 | 25°R38 | 11♉22 | 23♉58 | 13♊28 | 13♊19 | 9♏ 2 | 6♈46 | M 1 |
| T 2 | 17 15 33 | 19°19'47 | 7♉49 | 14°14 | 17°40 | 3° 7 | 24°46 | 9° 3 | 25♎37 | 11°24 | 24° 0 | 13°29 | 13°16 | 9° 9 | 6°47 | T 2 |
| W 3 | 17 19 29 | 20°17'01 | 22°39 | 15°12 | 18°52 | 3°38 | 24°50 | 9° 9 | 25°36 | 11°26 | 24° 1 | 13°29 | 13°13 | 9°16 | 6°49 | W 3 |
| T 4 | 17 23 26 | 21°14'15 | 7♊31 | 16° 6 | 20° 4 | 4°10 | 24°54 | 9°15 | 25°34 | 11°28 | 24° 2 | 13°R30 | 13°10 | 9°22 | 6°50 | T 4 |
| F 5 | 17 27 23 | 22°11'30 | 22°18 | 16°57 | 21°16 | 4°41 | 24°58 | 9°21 | 25°33 | 11°30 | 24° 3 | 13°30 | 13° 6 | 9°29 | 6°52 | F 5 |
| S 6 | 17 31 19 | 23° 8'43 | 6♋52 | 17°43 | 22°28 | 5°12 | 25° 2 | 9°27 | 25°32 | 11°32 | 24° 5 | 13°29 | 13° 3 | 9°36 | 6°53 | S 6 |
| S 7 | 17 35 16 | 24° 5'57 | 21° 8 | 18°27 | 23°40 | 5°42 | 25° 6 | 9°33 | 25°32 | 11°33 | 24° 6 | 13°28 | 13° 0 | 9°42 | 6°54 | S 7 |
| M 8 | 17 39 12 | 25° 3'10 | 5♌ 1 | 19° 6 | 24°52 | 6°12 | 25°11 | 9°39 | 25°31 | 11°35 | 24° 7 | 13°27 | 12°57 | 9°49 | 6°56 | M 8 |
| T 9 | 17 43 9 | 26° 0'22 | 18°29 | 19°41 | 26° 4 | 6°42 | 25°15 | 9°45 | 25°30 | 11°37 | 24° 8 | 13°25 | 12°54 | 9°56 | 6°57 | T 9 |
| W10 | 17 47 5 | 26°57'34 | 1♍33 | 20°13 | 27°16 | 7°12 | 25°20 | 9°51 | 25°29 | 11°39 | 24° 9 | 13°24 | 12°51 | 10° 2 | 6°58 | W10 |
| T 11 | 17 51 2 | 27°54'45 | 14°14 | 20°40 | 28°28 | 7°41 | 25°25 | 9°58 | 25°28 | 11°40 | 24°10 | 13°23 | 12°47 | 10° 9 | 6°59 | T 11 |
| F 12 | 17 54 58 | 28°51'56 | 26°36 | 21° 3 | 29°40 | 8°10 | 25°30 | 10° 4 | 25°28 | 11°42 | 24°12 | 13°D22 | 12°44 | 10°16 | 7° 0 | F 12 |
| S 13 | 17 58 55 | 29°49'07 | 8♎43 | 21°21 | 0♌52 | 8°38 | 25°35 | 10°10 | 25°27 | 11°44 | 24°13 | 13°22 | 12°41 | 10°22 | 7° 1 | S 13 |
| S 14 | 18 2 52 | 0♋46'17 | 20°40 | 21°35 | 2° 4 | 9° 7 | 25°40 | 10°17 | 25°26 | 11°45 | 24°14 | 13°23 | 12°38 | 10°29 | 7° 2 | S 14 |
| M15 | 18 6 48 | 1°43'27 | 2♏31 | 21°44 | 3°16 | 9°34 | 25°46 | 10°23 | 25°26 | 11°47 | 24°15 | 13°25 | 12°35 | 10°36 | 7° 3 | M15 |
| T 16 | 18 10 45 | 2°40'37 | 14°20 | 21°R48 | 4°27 | 10° 2 | 25°51 | 10°30 | 25°25 | 11°48 | 24°16 | 13°26 | 12°32 | 10°42 | 7° 4 | T 16 |
| W17 | 18 14 41 | 3°37'46 | 26°12 | 21°48 | 5°39 | 10°29 | 25°57 | 10°37 | 25°25 | 11°50 | 24°17 | 13°28 | 12°28 | 10°49 | 7° 5 | W17 |
| T 18 | 18 18 38 | 4°34'56 | 8♐11 | 21°44 | 6°51 | 10°56 | 26° 3 | 10°43 | 25°24 | 11°52 | 24°18 | 13°R28 | 12°25 | 10°56 | 7° 6 | T 18 |
| F 19 | 18 22 34 | 5°32'05 | 20°18 | 21°34 | 8° 2 | 11°22 | 26° 9 | 10°50 | 25°24 | 11°53 | 24°19 | 13°28 | 12°22 | 11° 2 | 7° 6 | F 19 |
| S 20 | 18 26 31 | 6°29'15 | 2♑37 | 21°20 | 9°14 | 11°48 | 26°15 | 10°57 | 25°24 | 11°55 | 24°20 | 13°27 | 12°19 | 11° 9 | 7° 7 | S 20 |
| S 21 | 18 30 27 | 7°26'25 | 15°10 | 21° 2 | 10°25 | 12°14 | 26°22 | 11° 4 | 25°24 | 11°56 | 24°21 | 13°25 | 12°16 | 11°16 | 7° 8 | S 21 |
| M22 | 18 34 24 | 8°23'34 | 27°56 | 20°39 | 11°37 | 12°39 | 26°28 | 11°10 | 25°23 | 11°57 | 24°22 | 13°22 | 12°12 | 11°22 | 7° 8 | M22 |
| T 23 | 18 38 21 | 9°20'45 | 10♒56 | 20°13 | 12°48 | 13° 4 | 26°35 | 11°17 | 25°23 | 11°59 | 24°24 | 13°18 | 12° 9 | 11°29 | 7° 9 | T 23 |
| W24 | 18 42 17 | 10°17'55 | 24°10 | 19°43 | 13°59 | 13°29 | 26°41 | 11°24 | 25°23 | 12° 0 | 24°25 | 13°14 | 12° 6 | 11°36 | 7° 9 | W24 |
| T 25 | 18 46 14 | 11°15'06 | 7♓37 | 19°10 | 15°10 | 13°52 | 26°48 | 11°31 | 25°D23 | 12° 2 | 24°26 | 13°10 | 12° 3 | 11°42 | 7°10 | T 25 |
| F 26 | 18 50 10 | 12°12'17 | 21°17 | 18°34 | 16°22 | 14°16 | 26°55 | 11°38 | 25°23 | 12° 3 | 24°26 | 13° 8 | 12° 0 | 11°49 | 7°10 | F 26 |
| S 27 | 18 54 7 | 13° 9'29 | 5♈ 9 | 17°57 | 17°33 | 14°39 | 27° 2 | 11°45 | 25°23 | 12° 4 | 24°27 | 13° 6 | 11°57 | 11°56 | 7°10 | S 27 |
| S 28 | 18 58 3 | 14° 6'42 | 19°13 | 17°17 | 18°44 | 15° 1 | 27°10 | 11°52 | 25°23 | 12° 6 | 24°28 | 13°D 6 | 11°53 | 12° 2 | 7°11 | S 28 |
| M29 | 19 2 0 | 15° 3'56 | 3♉26 | 16°37 | 19°55 | 15°23 | 27°17 | 11°59 | 25°23 | 12° 7 | 24°29 | 13° 7 | 11°50 | 12° 9 | 7°11 | M29 |
| T 30 | 19 5 56 | 16♋ 1'10 | 17♉47 | 15♋57 | 21♌ 6 | 15♓45 | 27♍25 | 12♌ 6 | 25♎24 | 12♉ 8 | 24♉30 | 13♊ 8 | 11♊47 | 12♏16 | 7♈11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 23n 1 | 5n14 | 4s 5 | 23n58 | 1n 7 | 24n 9 | 1n39 | 13s34 | 3s11 | 3n23 | 1n23 | 19n 4 | 1n 1 | 9s26 | 0n33 | 13n37 | 1s46 | 6n24 | 12s49 | 22n30 | 22n28 | 11s48 | 4n57 | 2n27 | M 1 |
| T 2 | 23 5 | 11 14 | 3 5 | 23 42 | 0 57 | 24 1 | 1 40 | 13 24 | 3 14 | 3 21 | 1 23 | 19 2 | 1 1 | 9 26 | 0 33 | 13 37 | 1 46 | 6 24 | 12 49 | 22 30 | 22 28 | 11 51 | 4 57 | 2 27 | T 2 |
| W 3 | 23 10 | 16 40 | 1 53 | 23 26 | 0 47 | 23 52 | 1 41 | 13 15 | 3 16 | 3 20 | 1 23 | 19 1 | 1 1 | 9 25 | 0 32 | 13 38 | 1 46 | 6 24 | 12 49 | 22 30 | 22 28 | 11 54 | 4 58 | 2 27 | W 3 |
| T 4 | 23 14 | 21 6 | 0 33 | 23 9 | 0 36 | 23 42 | 1 42 | 13 6 | 3 19 | 3 18 | 1 23 | 18 59 | 1 1 | 9 25 | 0 32 | 13 38 | 1 46 | 6 24 | 12 49 | 22 30 | 22 27 | 11 57 | 4 59 | 2 27 | T 4 |
| F 5 | 23 17 | 24 6 | 0n49 | 22 51 | 0 25 | 23 32 | 1 43 | 12 57 | 3 22 | 3 16 | 1 22 | 18 58 | 1 1 | 9 25 | 0 32 | 13 39 | 1 46 | 6 25 | 12 49 | 22 30 | 22 27 | 11 59 | 4 59 | 2 28 | F 5 |
| S 6 | 23 20 | 25 26 | 2 6 | 22 33 | 0 13 | 23 21 | 1 44 | 12 48 | 3 24 | 3 14 | 1 22 | 18 56 | 1 1 | 9 24 | 0 32 | 13 39 | 1 46 | 6 25 | 12 49 | 22 30 | 22 26 | 12 2 | 5 0 | 2 28 | S 6 |
| S 7 | 23 23 | 25 3 | 3 14 | 22 15 | 0 0 | 23 9 | 1 44 | 12 39 | 3 27 | 3 12 | 1 22 | 18 54 | 1 1 | 9 24 | 0 32 | 13 40 | 1 46 | 6 25 | 12 49 | 22 30 | 22 26 | 12 5 | 5 1 | 2 28 | S 7 |
| M 8 | 23 26 | 23 5 | 4 8 | 21 57 | 0s13 | 22 57 | 1 45 | 12 31 | 3 30 | 3 10 | 1 22 | 18 53 | 1 1 | 9 24 | 0 32 | 13 40 | 1 47 | 6 25 | 12 49 | 22 29 | 22 26 | 12 8 | 5 1 | 2 28 | M 8 |
| T 9 | 23 28 | 19 53 | 4 47 | 21 38 | 0 26 | 22 44 | 1 45 | 12 22 | 3 32 | 3 8 | 1 21 | 18 51 | 1 1 | 9 23 | 0 32 | 13 41 | 1 47 | 6 25 | 12 49 | 22 29 | 22 25 | 12 11 | 5 2 | 2 28 | T 9 |
| W10 | 23 29 | 15 46 | 5 10 | 21 20 | 0 40 | 22 30 | 1 46 | 12 13 | 3 35 | 3 6 | 1 21 | 18 49 | 1 1 | 9 23 | 0 32 | 13 41 | 1 47 | 6 25 | 12 49 | 22 29 | 22 25 | 12 13 | 5 2 | 2 28 | W10 |
| T 11 | 23 30 | 11 5 | 5 16 | 21 1 | 0 55 | 22 16 | 1 46 | 12 5 | 3 38 | 3 4 | 1 21 | 18 48 | 1 1 | 9 23 | 0 32 | 13 42 | 1 47 | 6 26 | 12 50 | 22 29 | 22 24 | 12 16 | 5 3 | 2 28 | T 11 |
| F 12 | 23 31 | 6 4 | 5 8 | 20 43 | 1 10 | 22 1 | 1 46 | 11 56 | 3 40 | 3 2 | 1 21 | 18 46 | 1 1 | 9 23 | 0 32 | 13 42 | 1 47 | 6 26 | 12 50 | 22 29 | 22 24 | 12 19 | 5 3 | 2 28 | F 12 |
| S 13 | 23 31 | 0 55 | 4 46 | 20 25 | 1 25 | 21 46 | 1 47 | 11 48 | 3 43 | 2 59 | 1 20 | 18 44 | 1 1 | 9 22 | 0 32 | 13 43 | 1 47 | 6 26 | 12 50 | 22 29 | 22 24 | 12 22 | 5 4 | 2 28 | S 13 |
| S 14 | 23 31 | 4s12 | 4 12 | 20 8 | 1 40 | 21 30 | 1 47 | 11 40 | 3 46 | 2 57 | 1 20 | 18 42 | 1 1 | 9 22 | 0 32 | 13 43 | 1 47 | 6 26 | 12 50 | 22 29 | 22 23 | 12 25 | 5 4 | 2 28 | S 14 |
| M15 | 23 30 | 9 8 | 3 27 | 19 51 | 1 55 | 21 13 | 1 47 | 11 32 | 3 49 | 2 55 | 1 20 | 18 41 | 1 1 | 9 22 | 0 32 | 13 44 | 1 47 | 6 26 | 12 50 | 22 29 | 22 23 | 12 27 | 5 5 | 2 28 | M15 |
| T 16 | 23 30 | 13 44 | 2 34 | 19 35 | 2 11 | 20 56 | 1 47 | 11 24 | 3 51 | 2 52 | 1 20 | 18 39 | 1 1 | 9 22 | 0 32 | 13 44 | 1 47 | 6 26 | 12 50 | 22 29 | 22 22 | 12 30 | 5 5 | 2 28 | T 16 |
| W17 | 23 28 | 17 51 | 1 34 | 19 20 | 2 27 | 20 39 | 1 47 | 11 16 | 3 54 | 2 50 | 1 19 | 18 37 | 1 1 | 9 22 | 0 32 | 13 44 | 1 47 | 6 26 | 12 50 | 22 29 | 22 22 | 12 33 | 5 5 | 2 28 | W17 |
| T 18 | 23 26 | 21 16 | 0 29 | 19 6 | 2 42 | 20 20 | 1 46 | 11 8 | 3 57 | 2 47 | 1 19 | 18 35 | 1 1 | 9 22 | 0 32 | 13 45 | 1 47 | 6 27 | 12 50 | 22 30 | 22 22 | 12 36 | 5 6 | 2 28 | T 18 |
| F 19 | 23 24 | 23 47 | 0s38 | 18 52 | 2 57 | 20 1 | 1 46 | 11 1 | 4 0 | 2 45 | 1 19 | 18 33 | 1 1 | 9 22 | 0 32 | 13 45 | 1 47 | 6 27 | 12 51 | 22 30 | 22 21 | 12 38 | 5 6 | 2 28 | F 19 |
| S 20 | 23 22 | 25 13 | 1 44 | 18 40 | 3 12 | 19 42 | 1 46 | 10 53 | 4 3 | 2 42 | 1 19 | 18 32 | 1 1 | 9 22 | 0 32 | 13 46 | 1 47 | 6 27 | 12 51 | 22 29 | 22 21 | 12 41 | 5 6 | 2 28 | S 20 |
| S 21 | 23 19 | 25 24 | 2 46 | 18 28 | 3 26 | 19 22 | 1 45 | 10 46 | 4 5 | 2 39 | 1 19 | 18 30 | 1 1 | 9 22 | 0 32 | 13 46 | 1 47 | 6 27 | 12 51 | 22 29 | 22 20 | 12 44 | 5 7 | 2 29 | S 21 |
| M22 | 23 15 | 24 15 | 3 40 | 18 18 | 3 40 | 19 2 | 1 45 | 10 39 | 4 8 | 2 36 | 1 18 | 18 28 | 1 1 | 9 21 | 0 32 | 13 46 | 1 47 | 6 27 | 12 51 | 22 29 | 22 20 | 12 47 | 5 7 | 2 29 | M22 |
| T 23 | 23 11 | 21 47 | 4 25 | 18 9 | 3 53 | 18 41 | 1 44 | 10 32 | 4 11 | 2 34 | 1 18 | 18 26 | 1 1 | 9 21 | 0 32 | 13 47 | 1 47 | 6 27 | 12 51 | 22 28 | 22 20 | 12 50 | 5 7 | 2 29 | T 23 |
| W24 | 23 7 | 18 10 | 4 56 | 18 1 | 4 5 | 18 20 | 1 43 | 10 25 | 4 14 | 2 31 | 1 18 | 18 24 | 1 1 | 9 21 | 0 32 | 13 47 | 1 47 | 6 27 | 12 51 | 22 28 | 22 19 | 12 52 | 5 7 | 2 29 | W24 |
| T 25 | 23 2 | 13 33 | 5 12 | 17 55 | 4 16 | 17 58 | 1 42 | 10 19 | 4 17 | 2 28 | 1 18 | 18 22 | 1 1 | 9 21 | 0 32 | 13 48 | 1 47 | 6 27 | 12 51 | 22 27 | 22 19 | 12 55 | 5 8 | 2 29 | T 25 |
| F 26 | 22 57 | 8 13 | 5 10 | 17 50 | 4 26 | 17 36 | 1 41 | 10 12 | 4 20 | 2 25 | 1 18 | 18 20 | 1 2 | 9 22 | 0 32 | 13 48 | 1 47 | 6 27 | 12 52 | 22 27 | 22 18 | 12 58 | 5 8 | 2 29 | F 26 |
| S 27 | 22 52 | 2 23 | 4 50 | 17 47 | 4 34 | 17 13 | 1 40 | 10 6 | 4 23 | 2 22 | 1 17 | 18 18 | 1 2 | 9 22 | 0 32 | 13 48 | 1 47 | 6 27 | 12 52 | 22 27 | 22 18 | 13 1 | 5 8 | 2 29 | S 27 |
| S 28 | 22 46 | 3n38 | 4 13 | 17 45 | 4 41 | 16 50 | 1 39 | 10 0 | 4 26 | 2 19 | 1 17 | 18 16 | 1 2 | 9 22 | 0 32 | 13 49 | 1 47 | 6 27 | 12 52 | 22 27 | 22 17 | 13 3 | 5 8 | 2 29 | S 28 |
| M29 | 22 40 | 9 34 | 3 20 | 17 45 | 4 46 | 16 26 | 1 38 | 9 54 | 4 28 | 2 15 | 1 17 | 18 14 | 1 2 | 9 22 | 0 32 | 13 49 | 1 47 | 6 27 | 12 52 | 22 27 | 22 17 | 13 6 | 5 8 | 2 29 | M29 |
| T 30 | 22n33 | 15n 2 | 2s14 | 17n45 | 4s50 | 16n 2 | 1n37 | 9s48 | 4s31 | 2n12 | 1n17 | 18n12 | 1n 2 | 9s22 | 0n32 | 13n49 | 1s48 | 6n27 | 12s52 | 22n27 | 22n17 | 13s 9 | 5n 9 | 2n29 | T 30 |

Julian Day Number = 2228176.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'33, Lahiri = 15°19'33 Julian Calendar 1 June 1388 == Greg. Calendar 9 June 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## JULY 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 9 53 | 16♋58'25 | 2♊13 | 15°R17 | 22♌17 | 16♓ 6 | 27♍32 | 12♌14 | 25♎24 | 12♉ 9 | 24♉31 | 13♊10 | 11♊44 | 12♏22 | 7♈11 | W 1 |
| T 2 | 19 13 50 | 17°55'41 | 16°41 | 14♋39 | 23°28 | 16°26 | 27°40 | 12°21 | 25°24 | 12°10 | 24°32 | 13°R10 | 11°41 | 12°29 | 7°R11 | T 2 |
| F 3 | 19 17 46 | 18°52'57 | 1♌ 5 | 14° 2 | 24°39 | 16°46 | 27°48 | 12°28 | 25°25 | 12°11 | 24°33 | 13° 9 | 11°38 | 12°36 | 7°11 | F 3 |
| S 4 | 19 21 43 | 19°50'15 | 15°21 | 13°29 | 25°50 | 17° 5 | 27°56 | 12°35 | 25°25 | 12°13 | 24°34 | 13° 6 | 11°34 | 12°42 | 7°11 | S 4 |
| S 5 | 19 25 39 | 20°47'32 | 29°24 | 12°58 | 27° 0 | 17°24 | 28° 4 | 12°43 | 25°26 | 12°14 | 24°35 | 13° 1 | 11°31 | 12°49 | 7°11 | S 5 |
| M 6 | 19 29 36 | 21°44'51 | 13♌ 9 | 12°31 | 28°11 | 17°42 | 28°12 | 12°50 | 25°26 | 12°15 | 24°35 | 12°55 | 11°28 | 12°56 | 7°11 | M 6 |
| T 7 | 19 33 32 | 22°42'09 | 26°33 | 12° 9 | 29°22 | 18° 0 | 28°21 | 12°57 | 25°27 | 12°16 | 24°36 | 12°49 | 11°25 | 13° 2 | 7°10 | T 7 |
| W 8 | 19 37 29 | 23°39'29 | 9♍36 | 11°51 | 0♍32 | 18°17 | 28°29 | 13° 5 | 25°27 | 12°17 | 24°37 | 12°43 | 11°22 | 13° 9 | 7°10 | W 8 |
| T 9 | 19 41 25 | 24°36'49 | 22°18 | 11°39 | 1°43 | 18°33 | 28°38 | 13°12 | 25°28 | 12°18 | 24°38 | 12°37 | 11°18 | 13°16 | 7°10 | T 9 |
| F 10 | 19 45 22 | 25°34'09 | 4♎40 | 11°32 | 2°53 | 18°48 | 28°46 | 13°19 | 25°29 | 12°19 | 24°39 | 12°34 | 11°15 | 13°22 | 7° 9 | F 10 |
| S 11 | 19 49 19 | 26°31'30 | 16°48 | 11°D31 | 4° 3 | 19° 3 | 28°55 | 13°27 | 25°30 | 12°20 | 24°39 | 12°31 | 11°12 | 13°29 | 7° 9 | S 11 |
| S 12 | 19 53 15 | 27°28'51 | 28°45 | 11°35 | 5°14 | 19°18 | 29° 4 | 13°34 | 25°31 | 12°20 | 24°40 | 12°D31 | 11° 9 | 13°36 | 7° 8 | S 12 |
| M13 | 19 57 12 | 28°26'13 | 10♏35 | 11°46 | 6°24 | 19°31 | 29°13 | 13°42 | 25°31 | 12°21 | 24°41 | 12°31 | 11° 6 | 13°42 | 7° 8 | M13 |
| T 14 | 20 1 8 | 29°23'36 | 22°25 | 12° 4 | 7°34 | 19°44 | 29°22 | 13°49 | 25°32 | 12°22 | 24°41 | 12°33 | 11° 3 | 13°49 | 7° 7 | T 14 |
| W15 | 20 5 5 | 0♌20'59 | 4♐19 | 12°28 | 8°44 | 19°56 | 29°31 | 13°57 | 25°33 | 12°23 | 24°42 | 12°34 | 10°59 | 13°56 | 7° 7 | W15 |
| T 16 | 20 9 1 | 1°18'23 | 16°22 | 12°58 | 9°54 | 20° 8 | 29°41 | 14° 4 | 25°34 | 12°24 | 24°43 | 12°R34 | 10°56 | 14° 2 | 7° 6 | T 16 |
| F 17 | 20 12 58 | 2°15'48 | 28°38 | 13°34 | 11° 4 | 20°19 | 29°50 | 14°12 | 25°36 | 12°24 | 24°43 | 12°33 | 10°53 | 14° 9 | 7° 5 | F 17 |
| S 18 | 20 16 54 | 3°13'14 | 11♑ 9 | 14°17 | 12°14 | 20°29 | 29°59 | 14°19 | 25°37 | 12°25 | 24°44 | 12°29 | 10°50 | 14°16 | 7° 4 | S 18 |
| S 19 | 20 20 51 | 4°10'40 | 23°58 | 15° 6 | 13°23 | 20°38 | 0♎ 9 | 14°27 | 25°38 | 12°26 | 24°44 | 12°24 | 10°47 | 14°22 | 7° 3 | S 19 |
| M20 | 20 24 48 | 5° 8'08 | 7♒ 5 | 16° 1 | 14°33 | 20°47 | 0°19 | 14°35 | 25°39 | 12°26 | 24°45 | 12°16 | 10°44 | 14°29 | 7° 2 | M20 |
| T 21 | 20 28 44 | 6° 5'36 | 20°29 | 17° 2 | 15°43 | 20°55 | 0°29 | 14°42 | 25°41 | 12°27 | 24°46 | 12° 8 | 10°40 | 14°35 | 7° 1 | T 21 |
| W22 | 20 32 41 | 7° 3'06 | 4♓ 8 | 18° 9 | 16°52 | 21° 2 | 0°39 | 14°50 | 25°42 | 12°27 | 24°46 | 11°59 | 10°37 | 14°42 | 7° 0 | W22 |
| T 23 | 20 36 37 | 8° 0'37 | 17°59 | 19°22 | 18° 1 | 21° 8 | 0°49 | 14°57 | 25°43 | 12°28 | 24°47 | 11°50 | 10°34 | 14°49 | 6°59 | T 23 |
| F 24 | 20 40 34 | 8°58'09 | 1♈58 | 20°40 | 19°11 | 21°14 | 0°59 | 15° 5 | 25°45 | 12°28 | 24°47 | 11°44 | 10°31 | 14°55 | 6°58 | F 24 |
| S 25 | 20 44 30 | 9°55'43 | 16° 3 | 22° 3 | 20°20 | 21°18 | 1° 9 | 15°13 | 25°46 | 12°29 | 24°48 | 11°39 | 10°28 | 15° 2 | 6°57 | S 25 |
| S 26 | 20 48 27 | 10°53'18 | 0♉11 | 23°32 | 21°29 | 21°22 | 1°19 | 15°20 | 25°48 | 12°29 | 24°48 | 11°37 | 10°24 | 15° 9 | 6°56 | S 26 |
| M27 | 20 52 23 | 11°50'55 | 14°20 | 25° 5 | 22°38 | 21°25 | 1°29 | 15°28 | 25°49 | 12°30 | 24°49 | 11°D36 | 10°21 | 15°15 | 6°54 | M27 |
| T 28 | 20 56 20 | 12°48'34 | 28°28 | 26°43 | 23°47 | 21°27 | 1°40 | 15°36 | 25°51 | 12°30 | 24°49 | 11°37 | 10°18 | 15°22 | 6°53 | T 28 |
| W29 | 21 0 17 | 13°46'14 | 12♊35 | 28°24 | 24°56 | 21°29 | 1°50 | 15°43 | 25°53 | 12°30 | 24°49 | 11°R37 | 10°15 | 15°29 | 6°52 | W29 |
| T 30 | 21 4 13 | 14°43'56 | 26°38 | 0♌ 9 | 26° 5 | 21°R29 | 2° 1 | 15°51 | 25°55 | 12°31 | 24°50 | 11°36 | 10°12 | 15°35 | 6°50 | T 30 |
| F 31 | 21 8 10 | 15♌41'39 | 10♋37 | 1♌57 | 27♍13 | 21♓29 | 2♎12 | 15♌59 | 25♎56 | 12♉31 | 24♉50 | 11♊33 | 10♊ 9 | 15♏42 | 6♈49 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n26 | 19n42 | 0s59 | 17n48 | 4s52 | 15n38 | 1n36 | 9s42 | 4s34 | 2n 9 | 1n16 | 18n10 | 1n 2 | 9s22 | 0n32 | 13n50 | 1s48 | 6n27 | 12s52 | 22n27 | 22n16 | 13s12 | 5n 9 | 2n29 |
| T 2 | 22 19 | 23 10 | 0n19 | 17 52 | 4 53 | 15 13 | 1 34 | 9 37 | 4 37 | 2 6 | 1 16 | 18 8 | 1 2 | 9 22 | 0 31 | 13 50 | 1 48 | 6 28 | 12 53 | 22 27 | 22 16 | 13 14 | 5 9 | 2 29 |
| F 3 | 22 11 | 25 7 | 1 36 | 17 57 | 4 51 | 14 48 | 1 33 | 9 32 | 4 40 | 2 2 | 1 16 | 18 6 | 1 2 | 9 22 | 0 31 | 13 50 | 1 48 | 6 28 | 12 53 | 22 27 | 22 15 | 13 17 | 5 9 | 2 29 |
| S 4 | 22 3 | 25 23 | 2 46 | 18 3 | 4 49 | 14 23 | 1 31 | 9 27 | 4 43 | 1 59 | 1 16 | 18 4 | 1 2 | 9 23 | 0 31 | 13 51 | 1 48 | 6 28 | 12 53 | 22 27 | 22 15 | 13 20 | 5 9 | 2 29 |
| S 5 | 21 54 | 24 1 | 3 45 | 18 10 | 4 44 | 13 57 | 1 29 | 9 22 | 4 46 | 1 56 | 1 16 | 18 2 | 1 2 | 9 23 | 0 31 | 13 51 | 1 48 | 6 28 | 12 53 | 22 26 | 22 14 | 13 23 | 5 9 | 2 30 |
| M 6 | 21 45 | 21 14 | 4 29 | 18 19 | 4 38 | 13 31 | 1 28 | 9 18 | 4 49 | 1 52 | 1 15 | 18 0 | 1 2 | 9 23 | 0 31 | 13 51 | 1 48 | 6 28 | 12 53 | 22 25 | 22 14 | 13 25 | 5 9 | 2 30 |
| T 7 | 21 36 | 17 22 | 4 58 | 18 29 | 4 30 | 13 4 | 1 26 | 9 14 | 4 51 | 1 49 | 1 15 | 17 58 | 1 2 | 9 23 | 0 31 | 13 51 | 1 48 | 6 28 | 12 54 | 22 25 | 22 14 | 13 28 | 5 9 | 2 30 |
| W 8 | 21 26 | 12 46 | 5 9 | 18 39 | 4 21 | 12 37 | 1 24 | 9 10 | 4 54 | 1 45 | 1 15 | 17 56 | 1 2 | 9 24 | 0 31 | 13 52 | 1 48 | 6 28 | 12 54 | 22 24 | 22 13 | 13 31 | 5 9 | 2 30 |
| T 9 | 21 16 | 7 44 | 5 5 | 18 50 | 4 11 | 12 10 | 1 22 | 9 6 | 4 57 | 1 42 | 1 15 | 17 54 | 1 2 | 9 24 | 0 31 | 13 52 | 1 48 | 6 28 | 12 54 | 22 23 | 22 13 | 13 34 | 5 9 | 2 30 |
| F 10 | 21 6 | 2 32 | 4 47 | 19 2 | 4 0 | 11 43 | 1 19 | 9 2 | 5 0 | 1 38 | 1 15 | 17 52 | 1 2 | 9 24 | 0 31 | 13 52 | 1 48 | 6 27 | 12 54 | 22 23 | 22 12 | 13 36 | 5 8 | 2 30 |
| S 11 | 20 55 | 2s41 | 4 16 | 19 14 | 3 48 | 11 15 | 1 17 | 8 59 | 5 3 | 1 34 | 1 15 | 17 50 | 1 2 | 9 24 | 0 31 | 13 52 | 1 48 | 6 27 | 12 54 | 22 22 | 22 12 | 13 39 | 5 8 | 2 30 |
| S 12 | 20 44 | 7 43 | 3 35 | 19 27 | 3 34 | 10 47 | 1 15 | 8 56 | 5 6 | 1 31 | 1 14 | 17 48 | 1 2 | 9 25 | 0 31 | 13 52 | 1 48 | 6 27 | 12 55 | 22 22 | 22 11 | 13 42 | 5 8 | 2 30 |
| M13 | 20 33 | 12 27 | 2 44 | 19 40 | 3 20 | 10 19 | 1 13 | 8 53 | 5 8 | 1 27 | 1 14 | 17 46 | 1 2 | 9 25 | 0 31 | 13 53 | 1 48 | 6 27 | 12 55 | 22 22 | 22 11 | 13 44 | 5 8 | 2 30 |
| T 14 | 20 21 | 16 43 | 1 47 | 19 53 | 3 6 | 9 51 | 1 10 | 8 50 | 5 11 | 1 23 | 1 14 | 17 44 | 1 2 | 9 26 | 0 31 | 13 53 | 1 48 | 6 27 | 12 55 | 22 23 | 22 10 | 13 47 | 5 8 | 2 30 |
| W15 | 20 9 | 20 21 | 0 44 | 20 6 | 2 51 | 9 22 | 1 8 | 8 48 | 5 14 | 1 19 | 1 14 | 17 41 | 1 2 | 9 26 | 0 31 | 13 53 | 1 48 | 6 27 | 12 55 | 22 23 | 22 10 | 13 50 | 5 8 | 2 30 |
| T 16 | 19 56 | 23 10 | 0s21 | 20 18 | 2 36 | 8 53 | 1 5 | 8 46 | 5 17 | 1 15 | 1 14 | 17 39 | 1 2 | 9 26 | 0 31 | 13 53 | 1 48 | 6 27 | 12 55 | 22 23 | 22 10 | 13 53 | 5 7 | 2 30 |
| F 17 | 19 43 | 24 56 | 1 26 | 20 30 | 2 20 | 8 24 | 1 2 | 8 44 | 5 19 | 1 11 | 1 13 | 17 37 | 1 2 | 9 27 | 0 31 | 13 53 | 1 48 | 6 27 | 12 56 | 22 23 | 22 9 | 13 55 | 5 7 | 2 30 |
| S 18 | 19 30 | 25 30 | 2 28 | 20 42 | 2 4 | 7 55 | 0 59 | 8 43 | 5 22 | 1 7 | 1 13 | 17 35 | 1 2 | 9 27 | 0 31 | 13 54 | 1 49 | 6 27 | 12 56 | 22 22 | 22 9 | 13 58 | 5 7 | 2 30 |
| S 19 | 19 17 | 24 44 | 3 24 | 20 52 | 1 48 | 7 25 | 0 56 | 8 41 | 5 24 | 1 3 | 1 13 | 17 33 | 1 3 | 9 28 | 0 31 | 13 54 | 1 49 | 6 27 | 12 56 | 22 21 | 22 8 | 14 1 | 5 7 | 2 30 |
| M20 | 19 3 | 22 36 | 4 10 | 21 1 | 1 33 | 6 55 | 0 54 | 8 40 | 5 27 | 0 59 | 1 13 | 17 31 | 1 3 | 9 28 | 0 31 | 13 54 | 1 49 | 6 27 | 12 56 | 22 20 | 22 8 | 14 3 | 5 6 | 2 30 |
| T 21 | 18 49 | 19 12 | 4 44 | 21 9 | 1 17 | 6 26 | 0 50 | 8 39 | 5 30 | 0 55 | 1 13 | 17 29 | 1 3 | 9 29 | 0 31 | 13 54 | 1 49 | 6 27 | 12 57 | 22 19 | 22 7 | 14 6 | 5 6 | 2 30 |
| W22 | 18 34 | 14 43 | 5 3 | 21 16 | 1 2 | 5 56 | 0 47 | 8 39 | 5 32 | 0 51 | 1 13 | 17 26 | 1 3 | 9 29 | 0 31 | 13 54 | 1 49 | 6 27 | 12 57 | 22 18 | 22 7 | 14 9 | 5 6 | 2 31 |
| T 23 | 18 20 | 9 25 | 5 4 | 21 21 | 0 46 | 5 26 | 0 44 | 8 39 | 5 34 | 0 47 | 1 12 | 17 24 | 1 3 | 9 30 | 0 31 | 13 54 | 1 49 | 6 27 | 12 57 | 22 17 | 22 6 | 14 12 | 5 5 | 2 31 |
| F 24 | 18 5 | 3 36 | 4 47 | 21 24 | 0 32 | 4 55 | 0 41 | 8 39 | 5 37 | 0 43 | 1 12 | 17 22 | 1 3 | 9 30 | 0 31 | 13 54 | 1 49 | 6 27 | 12 57 | 22 16 | 22 6 | 14 14 | 5 5 | 2 31 |
| S 25 | 17 49 | 2n27 | 4 12 | 21 25 | 0 18 | 4 25 | 0 38 | 8 39 | 5 39 | 0 39 | 1 12 | 17 20 | 1 3 | 9 31 | 0 31 | 13 54 | 1 49 | 6 26 | 12 57 | 22 15 | 22 5 | 14 17 | 5 4 | 2 31 |
| S 26 | 17 34 | 8 25 | 3 23 | 21 24 | 0 4 | 3 55 | 0 34 | 8 39 | 5 41 | 0 34 | 1 12 | 17 18 | 1 3 | 9 32 | 0 31 | 13 54 | 1 49 | 6 26 | 12 58 | 22 15 | 22 5 | 14 20 | 5 4 | 2 31 |
| M27 | 17 18 | 13 57 | 2 21 | 21 20 | 0n 9 | 3 24 | 0 31 | 8 40 | 5 44 | 0 30 | 1 12 | 17 15 | 1 3 | 9 32 | 0 31 | 13 54 | 1 49 | 6 26 | 12 58 | 22 15 | 22 5 | 14 22 | 5 3 | 2 31 |
| T 28 | 17 1 | 18 45 | 1 10 | 21 14 | 0 22 | 2 53 | 0 27 | 8 41 | 5 46 | 0 26 | 1 12 | 17 13 | 1 3 | 9 33 | 0 31 | 13 54 | 1 49 | 6 26 | 12 58 | 22 15 | 22 4 | 14 25 | 5 3 | 2 31 |
| W29 | 16 45 | 22 28 | 0n 5 | 21 6 | 0 33 | 2 23 | 0 23 | 8 43 | 5 48 | 0 22 | 1 12 | 17 11 | 1 3 | 9 33 | 0 31 | 13 55 | 1 49 | 6 26 | 12 58 | 22 15 | 22 4 | 14 28 | 5 2 | 2 31 |
| T 30 | 16 28 | 24 48 | 1 19 | 20 54 | 0 44 | 1 52 | 0 20 | 8 44 | 5 50 | 0 17 | 1 11 | 17 9 | 1 3 | 9 34 | 0 31 | 13 55 | 1 49 | 6 26 | 12 59 | 22 15 | 22 3 | 14 30 | 5 2 | 2 31 |
| F 31 | 16n11 | 25n33 | 2n28 | 20n40 | 0n54 | 1n21 | 0n16 | 8s46 | 5s52 | 0n13 | 1n11 | 17n 6 | 1n 3 | 9s35 | 0n30 | 13n55 | 1s49 | 6n26 | 12s59 | 22n15 | 22n 3 | 14s33 | 5n 1 | 2n31 |

Julian Day Number = 2228206.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'37, Lahiri = 15°19'37 Julian Calendar 1 July 1388 == Greg. Calendar 9 July 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## AUGUST 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 12 6 | 16♌39'24 | 24♋28 | 3♌48 | 28♍22 | 21°R28 | 2♎22 | 16♌ 6 | 25♎58 | 12♉31 | 24♉50 | 11°R28 | 10♊ 5 | 15♏49 | 6°R47 | S 1 |
| S 2 | 21 16 3 | 17°37'10 | 8♌ 9 | 5°42 | 29°30 | 21♓26 | 2°33 | 16°14 | 26° 0 | 12°31 | 24°51 | 11♊19 | 10° 2 | 15°55 | 6♈46 | S 2 |
| M 3 | 21 19 59 | 18°34'58 | 21°37 | 7°37 | 0♎39 | 21°23 | 2°44 | 16°22 | 26° 2 | 12°31 | 24°51 | 11° 9 | 9°59 | 16° 2 | 6°44 | M 3 |
| T 4 | 21 23 56 | 19°32'47 | 4♍48 | 9°34 | 1°47 | 21°19 | 2°55 | 16°29 | 26° 4 | 12°32 | 24°51 | 10°58 | 9°56 | 16° 9 | 6°43 | T 4 |
| W 5 | 21 27 53 | 20°30'38 | 17°42 | 11°32 | 2°55 | 21°15 | 3° 6 | 16°37 | 26° 6 | 12°32 | 24°51 | 10°46 | 9°53 | 16°15 | 6°41 | W 5 |
| T 6 | 21 31 49 | 21°28'30 | 0♎19 | 13°31 | 4° 3 | 21° 9 | 3°17 | 16°44 | 26° 8 | 12°32 | 24°52 | 10°36 | 9°50 | 16°22 | 6°39 | T 6 |
| F 7 | 21 35 46 | 22°26'23 | 12°38 | 15°31 | 5°11 | 21° 3 | 3°28 | 16°52 | 26°10 | 12°R32 | 24°52 | 10°28 | 9°46 | 16°29 | 6°37 | F 7 |
| S 8 | 21 39 42 | 23°24'17 | 24°44 | 17°30 | 6°19 | 20°56 | 3°40 | 17° 0 | 26°12 | 12°32 | 24°52 | 10°22 | 9°43 | 16°35 | 6°36 | S 8 |
| S 9 | 21 43 39 | 24°22'13 | 6♏39 | 19°30 | 7°26 | 20°48 | 3°51 | 17° 7 | 26°14 | 12°32 | 24°52 | 10°18 | 9°40 | 16°42 | 6°34 | S 9 |
| M10 | 21 47 35 | 25°20'10 | 18°29 | 21°29 | 8°34 | 20°40 | 4° 2 | 17°15 | 26°17 | 12°32 | 24°52 | 10°17 | 9°37 | 16°49 | 6°32 | M10 |
| T 11 | 21 51 32 | 26°18'09 | 0♐18 | 23°28 | 9°41 | 20°31 | 4°14 | 17°23 | 26°19 | 12°31 | 24°53 | 10°D17 | 9°34 | 16°55 | 6°30 | T 11 |
| W12 | 21 55 28 | 27°16'09 | 12°12 | 25°26 | 10°49 | 20°21 | 4°25 | 17°30 | 26°21 | 12°31 | 24°53 | 10°R17 | 9°30 | 17° 2 | 6°28 | W12 |
| T 13 | 21 59 25 | 28°14'10 | 24°16 | 27°24 | 11°56 | 20°10 | 4°37 | 17°38 | 26°24 | 12°31 | 24°53 | 10°16 | 9°27 | 17° 9 | 6°26 | T 13 |
| F 14 | 22 3 21 | 29°12'13 | 6♑36 | 29°20 | 13° 3 | 19°59 | 4°48 | 17°45 | 26°26 | 12°31 | 24°53 | 10°14 | 9°24 | 17°15 | 6°24 | F 14 |
| S 15 | 22 7 18 | 0♍10'18 | 19°15 | 1♍16 | 14°10 | 19°47 | 5° 0 | 17°53 | 26°29 | 12°31 | 24°53 | 10° 9 | 9°21 | 17°22 | 6°22 | S 15 |
| S 16 | 22 11 15 | 1° 8'24 | 2♒16 | 3°10 | 15°16 | 19°34 | 5°12 | 18° 0 | 26°31 | 12°30 | 24°R53 | 10° 1 | 9°18 | 17°29 | 6°19 | S 16 |
| M17 | 22 15 11 | 2° 6'31 | 15°40 | 5° 4 | 16°23 | 19°21 | 5°24 | 18° 8 | 26°34 | 12°30 | 24°53 | 9°51 | 9°15 | 17°35 | 6°17 | M17 |
| T 18 | 22 19 8 | 3° 4'40 | 29°26 | 6°56 | 17°29 | 19° 8 | 5°36 | 18°15 | 26°36 | 12°30 | 24°53 | 9°40 | 9°11 | 17°42 | 6°15 | T 18 |
| W19 | 22 23 4 | 4° 2'51 | 13♓30 | 8°48 | 18°36 | 18°53 | 5°47 | 18°23 | 26°39 | 12°29 | 24°53 | 9°28 | 9° 8 | 17°49 | 6°13 | W19 |
| T 20 | 22 27 1 | 5° 1'03 | 27°48 | 10°38 | 19°42 | 18°39 | 5°59 | 18°30 | 26°41 | 12°29 | 24°53 | 9°17 | 9° 5 | 17°55 | 6°11 | T 20 |
| F 21 | 22 30 57 | 5°59'17 | 12♈13 | 12°27 | 20°47 | 18°24 | 6°11 | 18°38 | 26°44 | 12°29 | 24°53 | 9° 8 | 9° 2 | 18° 2 | 6° 8 | F 21 |
| S 22 | 22 34 54 | 6°57'34 | 26°39 | 14°14 | 21°53 | 18° 8 | 6°23 | 18°45 | 26°47 | 12°28 | 24°53 | 9° 1 | 8°59 | 18° 9 | 6° 6 | S 22 |
| S 23 | 22 38 50 | 7°55'52 | 11♉ 2 | 16° 1 | 22°59 | 17°52 | 6°36 | 18°53 | 26°50 | 12°28 | 24°52 | 8°57 | 8°56 | 18°15 | 6° 4 | S 23 |
| M24 | 22 42 47 | 8°54'13 | 25°18 | 17°46 | 24° 4 | 17°36 | 6°48 | 19° 0 | 26°52 | 12°27 | 24°52 | 8°56 | 8°52 | 18°22 | 6° 1 | M24 |
| T 25 | 22 46 44 | 9°52'36 | 9♊25 | 19°31 | 25° 9 | 17°20 | 7° 0 | 19° 7 | 26°55 | 12°27 | 24°52 | 8°55 | 8°49 | 18°28 | 5°59 | T 25 |
| W26 | 22 50 40 | 10°51'01 | 23°22 | 21°14 | 26°14 | 17° 3 | 7°12 | 19°15 | 26°58 | 12°26 | 24°52 | 8°55 | 8°46 | 18°35 | 5°56 | W26 |
| T 27 | 22 54 37 | 11°49'29 | 7♋10 | 22°56 | 27°19 | 16°46 | 7°25 | 19°22 | 27° 1 | 12°25 | 24°52 | 8°54 | 8°43 | 18°42 | 5°54 | T 27 |
| F 28 | 22 58 33 | 12°47'58 | 20°48 | 24°37 | 28°24 | 16°29 | 7°37 | 19°29 | 27° 4 | 12°25 | 24°51 | 8°50 | 8°40 | 18°48 | 5°51 | F 28 |
| S 29 | 23 2 30 | 13°46'30 | 4♌15 | 26°17 | 29°28 | 16°12 | 7°49 | 19°36 | 27° 7 | 12°24 | 24°51 | 8°43 | 8°36 | 18°55 | 5°49 | S 29 |
| S 30 | 23 6 26 | 14°45'04 | 17°32 | 27°56 | 0♏32 | 15°55 | 8° 2 | 19°44 | 27°10 | 12°23 | 24°51 | 8°34 | 8°33 | 19° 2 | 5°46 | S 30 |
| M31 | 23 10 23 | 15♍43'39 | 0♍38 | 29♍34 | 1♏36 | 15♓38 | 8♎14 | 19♌51 | 27♎13 | 12♉23 | 24♉51 | 8♊22 | 8♊30 | 19♏ 8 | 5♈44 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n54 | 24n42 | 3n27 | 20n23 | 1n 3 | 0n50 | 0n12 | 8s48 | 5s54 | 0n 8 | 1n11 | 17n 4 | 1n 3 | 9s35 | 0n30 | 13n55 | 1s49 | 6n25 | 12s59 | 22n14 | 22n 2 | 14s36 | 5n 1 | 2n31 |
| S 2 | 15 36 | 22 22 | 4 14 | 20 4 | 1 11 | 0 19 | 0 8 | 8 51 | 5 55 | 0 4 | 1 11 | 17 2 | 1 3 | 9 36 | 0 30 | 13 55 | 1 49 | 6 25 | 12 59 | 22 13 | 22 2 | 14 39 | 5 0 | 2 31 |
| M 3 | 15 18 | 18 50 | 4 45 | 19 42 | 1 19 | 0s12 | 0 4 | 8 53 | 5 57 | 0s 0 | 1 11 | 17 0 | 1 4 | 9 37 | 0 30 | 13 55 | 1 50 | 6 25 | 13 0 | 22 11 | 22 1 | 14 41 | 5 0 | 2 31 |
| T 4 | 15 0 | 14 26 | 5 1 | 19 17 | 1 25 | 0 43 | 0 0 | 8 56 | 5 58 | 0 5 | 1 11 | 16 58 | 1 4 | 9 38 | 0 30 | 13 55 | 1 50 | 6 25 | 13 0 | 22 10 | 22 1 | 14 44 | 4 59 | 2 31 |
| W 5 | 14 42 | 9 28 | 5 0 | 18 50 | 1 31 | 1 14 | 0s 4 | 8 59 | 6 0 | 0 9 | 1 11 | 16 55 | 1 4 | 9 38 | 0 30 | 13 55 | 1 50 | 6 25 | 13 0 | 22 8 | 22 0 | 14 47 | 4 58 | 2 31 |
| T 6 | 14 24 | 4 14 | 4 45 | 18 21 | 1 35 | 1 44 | 0 8 | 9 2 | 6 1 | 0 14 | 1 11 | 16 53 | 1 4 | 9 39 | 0 30 | 13 54 | 1 50 | 6 25 | 13 0 | 22 7 | 22 0 | 14 49 | 4 58 | 2 31 |
| F 7 | 14 5 | 1s 4 | 4 17 | 17 49 | 1 39 | 2 15 | 0 12 | 9 6 | 6 2 | 0 19 | 1 10 | 16 51 | 1 4 | 9 40 | 0 30 | 13 54 | 1 50 | 6 24 | 13 1 | 22 5 | 21 59 | 14 52 | 4 57 | 2 31 |
| S 8 | 13 46 | 6 15 | 3 37 | 17 16 | 1 42 | 2 46 | 0 17 | 9 10 | 6 3 | 0 23 | 1 10 | 16 49 | 1 4 | 9 41 | 0 30 | 13 54 | 1 50 | 6 24 | 13 1 | 22 5 | 21 59 | 14 55 | 4 56 | 2 31 |
| S 9 | 13 27 | 11 8 | 2 49 | 16 40 | 1 44 | 3 17 | 0 21 | 9 14 | 6 4 | 0 28 | 1 10 | 16 46 | 1 4 | 9 42 | 0 30 | 13 54 | 1 50 | 6 24 | 13 1 | 22 4 | 21 58 | 14 57 | 4 56 | 2 31 |
| M10 | 13 7 | 15 34 | 1 53 | 16 3 | 1 46 | 3 48 | 0 25 | 9 18 | 6 5 | 0 32 | 1 10 | 16 44 | 1 4 | 9 42 | 0 30 | 13 54 | 1 50 | 6 24 | 13 1 | 22 4 | 21 58 | 15 0 | 4 55 | 2 31 |
| T 11 | 12 47 | 19 25 | 0 53 | 15 25 | 1 46 | 4 18 | 0 30 | 9 22 | 6 6 | 0 37 | 1 10 | 16 42 | 1 4 | 9 43 | 0 30 | 13 54 | 1 50 | 6 24 | 13 1 | 22 4 | 21 58 | 15 3 | 4 54 | 2 31 |
| W12 | 12 28 | 22 30 | 0s10 | 14 45 | 1 46 | 4 49 | 0 34 | 9 26 | 6 6 | 0 42 | 1 10 | 16 40 | 1 4 | 9 44 | 0 30 | 13 54 | 1 50 | 6 23 | 13 2 | 22 4 | 21 57 | 15 5 | 4 53 | 2 31 |
| T 13 | 12 8 | 24 37 | 1 14 | 14 4 | 1 46 | 5 20 | 0 39 | 9 31 | 6 6 | 0 46 | 1 10 | 16 37 | 1 4 | 9 45 | 0 30 | 13 54 | 1 50 | 6 23 | 13 2 | 22 4 | 21 57 | 15 8 | 4 53 | 2 31 |
| F 14 | 11 47 | 25 36 | 2 15 | 13 22 | 1 45 | 5 50 | 0 43 | 9 35 | 6 7 | 0 51 | 1 10 | 16 35 | 1 5 | 9 46 | 0 30 | 13 54 | 1 50 | 6 23 | 13 2 | 22 3 | 21 56 | 15 11 | 4 52 | 2 31 |
| S 15 | 11 27 | 25 17 | 3 11 | 12 40 | 1 43 | 6 20 | 0 48 | 9 40 | 6 7 | 0 56 | 1 9 | 16 33 | 1 5 | 9 47 | 0 30 | 13 54 | 1 50 | 6 23 | 13 2 | 22 3 | 21 56 | 15 13 | 4 51 | 2 31 |
| S 16 | 11 6 | 23 35 | 3 58 | 11 56 | 1 40 | 6 51 | 0 53 | 9 45 | 6 6 | 1 1 | 1 9 | 16 31 | 1 5 | 9 48 | 0 30 | 13 54 | 1 50 | 6 22 | 13 3 | 22 2 | 21 55 | 15 16 | 4 50 | 2 31 |
| M17 | 10 46 | 20 33 | 4 35 | 11 12 | 1 37 | 7 21 | 0 57 | 9 50 | 6 6 | 1 5 | 1 9 | 16 28 | 1 5 | 9 49 | 0 30 | 13 53 | 1 50 | 6 22 | 13 3 | 22 0 | 21 55 | 15 19 | 4 49 | 2 31 |
| T 18 | 10 25 | 16 19 | 4 56 | 10 27 | 1 34 | 7 51 | 1 2 | 9 55 | 6 6 | 1 10 | 1 9 | 16 26 | 1 5 | 9 50 | 0 30 | 13 53 | 1 50 | 6 22 | 13 3 | 21 58 | 21 54 | 15 21 | 4 48 | 2 31 |
| W19 | 10 3 | 11 7 | 5 0 | 9 42 | 1 30 | 8 20 | 1 7 | 10 0 | 6 5 | 1 15 | 1 9 | 16 24 | 1 5 | 9 51 | 0 30 | 13 53 | 1 50 | 6 22 | 13 3 | 21 57 | 21 54 | 15 24 | 4 48 | 2 31 |
| T 20 | 9 42 | 5 14 | 4 45 | 8 56 | 1 26 | 8 50 | 1 12 | 10 5 | 6 4 | 1 20 | 1 9 | 16 22 | 1 5 | 9 52 | 0 30 | 13 53 | 1 51 | 6 22 | 13 4 | 21 55 | 21 53 | 15 26 | 4 47 | 2 31 |
| F 21 | 9 21 | 0n58 | 4 12 | 8 10 | 1 22 | 9 19 | 1 16 | 10 10 | 6 3 | 1 25 | 1 9 | 16 20 | 1 5 | 9 53 | 0 30 | 13 53 | 1 51 | 6 21 | 13 4 | 21 54 | 21 53 | 15 29 | 4 46 | 2 31 |
| S 22 | 8 59 | 7 9 | 3 23 | 7 24 | 1 17 | 9 49 | 1 21 | 10 15 | 6 2 | 1 30 | 1 9 | 16 17 | 1 5 | 9 54 | 0 30 | 13 52 | 1 51 | 6 21 | 13 4 | 21 53 | 21 52 | 15 32 | 4 45 | 2 31 |
| S 23 | 8 37 | 12 57 | 2 22 | 6 38 | 1 11 | 10 18 | 1 26 | 10 20 | 6 1 | 1 35 | 1 9 | 16 15 | 1 5 | 9 55 | 0 30 | 13 52 | 1 51 | 6 21 | 13 4 | 21 52 | 21 52 | 15 34 | 4 44 | 2 31 |
| M24 | 8 16 | 18 0 | 1 11 | 5 52 | 1 6 | 10 47 | 1 31 | 10 25 | 5 59 | 1 39 | 1 9 | 16 13 | 1 6 | 9 56 | 0 30 | 13 52 | 1 51 | 6 21 | 13 5 | 21 52 | 21 51 | 15 37 | 4 43 | 2 31 |
| T 25 | 7 53 | 21 59 | 0n 3 | 5 5 | 1 0 | 11 15 | 1 36 | 10 30 | 5 58 | 1 44 | 1 8 | 16 11 | 1 6 | 9 57 | 0 30 | 13 52 | 1 51 | 6 20 | 13 5 | 21 52 | 21 51 | 15 40 | 4 42 | 2 31 |
| W26 | 7 31 | 24 37 | 1 16 | 4 19 | 0 54 | 11 44 | 1 41 | 10 35 | 5 56 | 1 49 | 1 8 | 16 9 | 1 6 | 9 58 | 0 30 | 13 52 | 1 51 | 6 20 | 13 5 | 21 52 | 21 50 | 15 42 | 4 41 | 2 31 |
| T 27 | 7 9 | 25 43 | 2 23 | 3 33 | 0 48 | 12 12 | 1 46 | 10 40 | 5 54 | 1 54 | 1 8 | 16 6 | 1 6 | 9 59 | 0 30 | 13 51 | 1 51 | 6 20 | 13 5 | 21 51 | 21 50 | 15 45 | 4 40 | 2 31 |
| F 28 | 6 47 | 25 14 | 3 22 | 2 47 | 0 42 | 12 40 | 1 51 | 10 44 | 5 51 | 1 59 | 1 8 | 16 4 | 1 6 | 10 0 | 0 30 | 13 51 | 1 51 | 6 19 | 13 6 | 21 51 | 21 49 | 15 47 | 4 39 | 2 31 |
| S 29 | 6 24 | 23 17 | 4 8 | 2 1 | 0 35 | 13 8 | 1 56 | 10 49 | 5 49 | 2 4 | 1 8 | 16 2 | 1 6 | 10 1 | 0 30 | 13 51 | 1 51 | 6 19 | 13 6 | 21 50 | 21 49 | 15 50 | 4 38 | 2 31 |
| S 30 | 6 1 | 20 5 | 4 41 | 1 15 | 0 28 | 13 35 | 2 1 | 10 53 | 5 46 | 2 9 | 1 8 | 16 0 | 1 6 | 10 2 | 0 30 | 13 51 | 1 51 | 6 19 | 13 6 | 21 48 | 21 48 | 15 53 | 4 37 | 2 31 |
| M31 | 5n39 | 15n55 | 4n58 | 0n30 | 0n21 | 14s 2 | 2s 6 | 10s58 | 5s44 | 2s14 | 1n 8 | 15n58 | 1n 6 | 10s 3 | 0n30 | 13n50 | 1s51 | 6n19 | 13s 6 | 21n46 | 21n48 | 15s55 | 4n36 | 2n31 |

Julian Day Number = 2228237.5, Delta T = 08m11s
Ecliptic obliquity = 23°31'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'41, Lahiri = 15°19'42 Julian Calendar 1 Aug. 1388 == Greg. Calendar 9 Aug. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## SEPTEMBER 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 14 19 | 16♍42'17 | 13♍30 | 1♎11 | 2♏40 | 15°R20 | 8♎27 | 19♌58 | 27♎16 | 12°R22 | 24°R50 | 8°R 9 | 8♊27 | 19♏15 | 5°R41 | T 1 |
| W 2 | 23 18 16 | 17°40'57 | 26°10 | 2°47 | 3°44 | 15♓ 4 | 8°39 | 20° 5 | 27°19 | 12♉21 | 24♉50 | 7♊56 | 8°24 | 19°22 | 5♈38 | W 2 |
| T 3 | 23 22 13 | 18°39'39 | 8♎35 | 4°21 | 4°47 | 14°47 | 8°52 | 20°12 | 27°22 | 12°20 | 24°50 | 7°43 | 8°21 | 19°28 | 5°36 | T 3 |
| F 4 | 23 26 9 | 19°38'22 | 20°47 | 5°55 | 5°50 | 14°30 | 9° 4 | 20°19 | 27°25 | 12°19 | 24°49 | 7°33 | 8°17 | 19°35 | 5°33 | F 4 |
| S 5 | 23 30 6 | 20°37'07 | 2♏48 | 7°28 | 6°53 | 14°14 | 9°17 | 20°26 | 27°28 | 12°18 | 24°49 | 7°26 | 8°14 | 19°42 | 5°30 | S 5 |
| S 6 | 23 34 2 | 21°35'55 | 14°40 | 9° 0 | 7°55 | 13°58 | 9°30 | 20°33 | 27°32 | 12°18 | 24°48 | 7°21 | 8°11 | 19°48 | 5°28 | S 6 |
| M 7 | 23 37 59 | 22°34'44 | 26°28 | 10°31 | 8°58 | 13°42 | 9°42 | 20°40 | 27°35 | 12°17 | 24°48 | 7°19 | 8° 8 | 19°55 | 5°25 | M 7 |
| T 8 | 23 41 55 | 23°33'35 | 8♐15 | 12° 1 | 10° 0 | 13°27 | 9°55 | 20°47 | 27°38 | 12°16 | 24°48 | 7°D19 | 8° 5 | 20° 2 | 5°22 | T 8 |
| W 9 | 23 45 52 | 24°32'28 | 20° 7 | 13°30 | 11° 1 | 13°12 | 10° 8 | 20°54 | 27°41 | 12°15 | 24°47 | 7°R19 | 8° 1 | 20° 8 | 5°20 | W 9 |
| T 10 | 23 49 48 | 25°31'22 | 2♑10 | 14°58 | 12° 3 | 12°58 | 10°21 | 21° 1 | 27°45 | 12°14 | 24°47 | 7°19 | 7°58 | 20°15 | 5°17 | T 10 |
| F 11 | 23 53 45 | 26°30'19 | 14°29 | 16°25 | 13° 4 | 12°44 | 10°34 | 21° 7 | 27°48 | 12°13 | 24°46 | 7°17 | 7°55 | 20°22 | 5°14 | F 11 |
| S 12 | 23 57 42 | 27°29'17 | 27° 9 | 17°51 | 14° 4 | 12°31 | 10°46 | 21°14 | 27°51 | 12°11 | 24°46 | 7°14 | 7°52 | 20°28 | 5°11 | S 12 |
| S 13 | 0 1 38 | 28°28'17 | 10♒13 | 19°16 | 15° 5 | 12°18 | 10°59 | 21°21 | 27°55 | 12°10 | 24°45 | 7° 8 | 7°49 | 20°35 | 5° 8 | S 13 |
| M14 | 0 5 35 | 29°27'18 | 23°45 | 20°40 | 16° 5 | 12° 6 | 11°12 | 21°27 | 27°58 | 12° 9 | 24°44 | 6°59 | 7°46 | 20°42 | 5° 6 | M14 |
| T 15 | 0 9 31 | 0♎26'22 | 7♓43 | 22° 3 | 17° 5 | 11°55 | 11°25 | 21°34 | 28° 1 | 12° 8 | 24°44 | 6°50 | 7°42 | 20°48 | 5° 3 | T 15 |
| W16 | 0 13 28 | 1°25'27 | 22° 4 | 23°25 | 18° 4 | 11°44 | 11°38 | 21°40 | 28° 5 | 12° 7 | 24°43 | 6°39 | 7°39 | 20°55 | 5° 0 | W16 |
| T 17 | 0 17 24 | 2°24'35 | 6♈44 | 24°45 | 19° 3 | 11°34 | 11°51 | 21°47 | 28° 8 | 12° 6 | 24°43 | 6°29 | 7°36 | 21° 1 | 4°57 | T 17 |
| F 18 | 0 21 21 | 3°23'44 | 21°34 | 26° 5 | 20° 2 | 11°24 | 12° 4 | 21°53 | 28°12 | 12° 4 | 24°42 | 6°21 | 7°33 | 21° 8 | 4°54 | F 18 |
| S 19 | 0 25 17 | 4°22'56 | 6♉25 | 27°23 | 21° 0 | 11°16 | 12°17 | 21°59 | 28°15 | 12° 3 | 24°41 | 6°15 | 7°30 | 21°15 | 4°52 | S 19 |
| S 20 | 0 29 14 | 5°22'10 | 21°10 | 28°40 | 21°57 | 11° 8 | 12°30 | 22° 6 | 28°19 | 12° 2 | 24°41 | 6°12 | 7°27 | 21°21 | 4°49 | S 20 |
| M21 | 0 33 10 | 6°21'26 | 5♊44 | 29°56 | 22°55 | 11° 1 | 12°43 | 22°12 | 28°22 | 12° 1 | 24°40 | 6°D11 | 7°23 | 21°28 | 4°46 | M21 |
| T 22 | 0 37 7 | 7°20'45 | 20° 2 | 1♏10 | 23°51 | 10°54 | 12°56 | 22°18 | 28°26 | 11°59 | 24°39 | 6°12 | 7°20 | 21°35 | 4°43 | T 22 |
| W23 | 0 41 4 | 8°20'06 | 4♋ 2 | 2°22 | 24°48 | 10°48 | 13° 9 | 22°24 | 28°30 | 11°58 | 24°39 | 6°R13 | 7°17 | 21°41 | 4°40 | W23 |
| T 24 | 0 45 0 | 9°19'30 | 17°45 | 3°33 | 25°44 | 10°43 | 13°22 | 22°30 | 28°33 | 11°57 | 24°38 | 6°12 | 7°14 | 21°48 | 4°38 | T 24 |
| F 25 | 0 48 57 | 10°18'56 | 1♌12 | 4°42 | 26°39 | 10°39 | 13°35 | 22°36 | 28°37 | 11°55 | 24°37 | 6°10 | 7°11 | 21°55 | 4°35 | F 25 |
| S 26 | 0 52 53 | 11°18'24 | 14°23 | 5°49 | 27°34 | 10°36 | 13°48 | 22°42 | 28°40 | 11°54 | 24°36 | 6° 6 | 7° 7 | 22° 1 | 4°32 | S 26 |
| S 27 | 0 56 50 | 12°17'54 | 27°21 | 6°54 | 28°28 | 10°33 | 14° 1 | 22°48 | 28°44 | 11°53 | 24°35 | 5°59 | 7° 4 | 22° 8 | 4°29 | S 27 |
| M28 | 1 0 46 | 13°17'27 | 10♍ 6 | 7°57 | 29°22 | 10°32 | 14°14 | 22°54 | 28°48 | 11°51 | 24°35 | 5°51 | 7° 1 | 22°15 | 4°26 | M28 |
| T 29 | 1 4 43 | 14°17'02 | 22°40 | 8°57 | 0♐15 | 10°31 | 14°27 | 23° 0 | 28°51 | 11°50 | 24°34 | 5°41 | 6°58 | 22°21 | 4°24 | T 29 |
| W30 | 1 8 39 | 15♎16'39 | 5♎ 2 | 9♏54 | 1♐ 8 | 10°D30 | 14♎40 | 23♌ 5 | 28♎55 | 11♉48 | 24♉33 | 5♊31 | 6♊55 | 22♏28 | 4♈21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n16 | 11n 6 | 4n59 | 0s15 | 0n14 | 14s29 | 2s11 | 11s 2 | 5s41 | 2s19 | 1n 8 | 15n56 | 1n 7 | 10s 4 | 0n30 | 13n50 | 1s51 | 6n18 | 13s 6 | 21n44 | 21n47 | 15s58 | 4n35 | 2n31 |
| W 2 | 4 53 | 5 54 | 4 46 | 1 0 | 0 7 | 14 56 | 2 16 | 11 5 | 5 38 | 2 24 | 1 8 | 15 53 | 1 7 | 10 6 | 0 30 | 13 50 | 1 51 | 6 18 | 13 7 | 21 42 | 21 47 | 16 1 | 4 34 | 2 31 |
| T 3 | 4 30 | 0 33 | 4 19 | 1 44 | 0s 0 | 15 22 | 2 21 | 11 9 | 5 35 | 2 29 | 1 8 | 15 51 | 1 7 | 10 7 | 0 30 | 13 49 | 1 51 | 6 18 | 13 7 | 21 40 | 21 46 | 16 3 | 4 33 | 2 31 |
| F 4 | 4 7 | 4s44 | 3 40 | 2 28 | 0 7 | 15 48 | 2 26 | 11 12 | 5 31 | 2 34 | 1 8 | 15 49 | 1 7 | 10 8 | 0 29 | 13 49 | 1 51 | 6 17 | 13 7 | 21 39 | 21 46 | 16 6 | 4 31 | 2 31 |
| S 5 | 3 44 | 9 47 | 2 52 | 3 12 | 0 15 | 16 14 | 2 31 | 11 16 | 5 28 | 2 39 | 1 8 | 15 47 | 1 7 | 10 9 | 0 29 | 13 49 | 1 51 | 6 17 | 13 7 | 21 37 | 21 45 | 16 8 | 4 30 | 2 31 |
| S 6 | 3 21 | 14 26 | 1 57 | 3 55 | 0 22 | 16 39 | 2 36 | 11 19 | 5 24 | 2 44 | 1 8 | 15 45 | 1 7 | 10 10 | 0 29 | 13 49 | 1 51 | 6 17 | 13 8 | 21 37 | 21 45 | 16 11 | 4 29 | 2 31 |
| M 7 | 2 57 | 18 30 | 0 57 | 4 38 | 0 30 | 17 4 | 2 41 | 11 21 | 5 21 | 2 49 | 1 7 | 15 43 | 1 7 | 10 11 | 0 29 | 13 48 | 1 51 | 6 16 | 13 8 | 21 36 | 21 44 | 16 13 | 4 28 | 2 31 |
| T 8 | 2 34 | 21 50 | 0s 5 | 5 20 | 0 37 | 17 28 | 2 45 | 11 24 | 5 17 | 2 55 | 1 7 | 15 41 | 1 7 | 10 13 | 0 29 | 13 48 | 1 52 | 6 16 | 13 8 | 21 36 | 21 44 | 16 16 | 4 27 | 2 31 |
| W 9 | 2 11 | 24 16 | 1 8 | 6 2 | 0 45 | 17 53 | 2 50 | 11 26 | 5 13 | 3 0 | 1 7 | 15 39 | 1 8 | 10 14 | 0 29 | 13 47 | 1 52 | 6 16 | 13 8 | 21 36 | 21 43 | 16 19 | 4 26 | 2 31 |
| T 10 | 1 47 | 25 38 | 2 8 | 6 43 | 0 52 | 18 17 | 2 55 | 11 28 | 5 9 | 3 5 | 1 7 | 15 37 | 1 8 | 10 15 | 0 29 | 13 47 | 1 52 | 6 16 | 13 8 | 21 36 | 21 43 | 16 21 | 4 25 | 2 31 |
| F 11 | 1 24 | 25 47 | 3 4 | 7 23 | 0 59 | 18 40 | 3 0 | 11 29 | 5 5 | 3 10 | 1 7 | 15 35 | 1 8 | 10 16 | 0 29 | 13 47 | 1 52 | 6 15 | 13 9 | 21 36 | 21 42 | 16 24 | 4 24 | 2 31 |
| S 12 | 1 0 | 24 36 | 3 53 | 8 3 | 1 7 | 19 3 | 3 5 | 11 30 | 5 0 | 3 15 | 1 7 | 15 33 | 1 8 | 10 17 | 0 29 | 13 46 | 1 52 | 6 15 | 13 9 | 21 35 | 21 42 | 16 26 | 4 22 | 2 31 |
| S 13 | 0 37 | 22 5 | 4 31 | 8 43 | 1 14 | 19 26 | 3 10 | 11 31 | 4 56 | 3 20 | 1 7 | 15 31 | 1 8 | 10 19 | 0 29 | 13 46 | 1 52 | 6 15 | 13 9 | 21 34 | 21 41 | 16 29 | 4 21 | 2 31 |
| M14 | 0 13 | 18 17 | 4 55 | 9 21 | 1 22 | 19 48 | 3 14 | 11 32 | 4 52 | 3 25 | 1 7 | 15 29 | 1 8 | 10 20 | 0 29 | 13 46 | 1 52 | 6 14 | 13 9 | 21 33 | 21 41 | 16 32 | 4 20 | 2 31 |
| T 15 | 0s11 | 13 23 | 5 3 | 9 59 | 1 29 | 20 10 | 3 19 | 11 32 | 4 47 | 3 30 | 1 7 | 15 27 | 1 8 | 10 21 | 0 29 | 13 45 | 1 52 | 6 14 | 13 9 | 21 31 | 21 40 | 16 34 | 4 19 | 2 31 |
| W16 | 0 34 | 7 38 | 4 52 | 10 37 | 1 36 | 20 32 | 3 24 | 11 32 | 4 42 | 3 35 | 1 7 | 15 25 | 1 9 | 10 22 | 0 29 | 13 45 | 1 52 | 6 14 | 13 10 | 21 30 | 21 40 | 16 37 | 4 18 | 2 31 |
| T 17 | 0 58 | 1 20 | 4 23 | 11 13 | 1 43 | 20 53 | 3 28 | 11 32 | 4 38 | 3 40 | 1 7 | 15 23 | 1 9 | 10 24 | 0 29 | 13 44 | 1 52 | 6 13 | 13 10 | 21 28 | 21 39 | 16 39 | 4 17 | 2 31 |
| F 18 | 1 21 | 5n 7 | 3 35 | 11 49 | 1 50 | 21 13 | 3 33 | 11 31 | 4 33 | 3 45 | 1 7 | 15 21 | 1 9 | 10 25 | 0 29 | 13 44 | 1 52 | 6 13 | 13 10 | 21 27 | 21 39 | 16 42 | 4 15 | 2 30 |
| S 19 | 1 45 | 11 19 | 2 32 | 12 24 | 1 57 | 21 33 | 3 37 | 11 30 | 4 29 | 3 51 | 1 7 | 15 19 | 1 9 | 10 26 | 0 29 | 13 44 | 1 52 | 6 13 | 13 10 | 21 26 | 21 38 | 16 44 | 4 14 | 2 30 |
| S 20 | 2 8 | 16 50 | 1 19 | 12 58 | 2 4 | 21 53 | 3 42 | 11 29 | 4 24 | 3 56 | 1 7 | 15 17 | 1 9 | 10 27 | 0 29 | 13 43 | 1 52 | 6 12 | 13 10 | 21 25 | 21 38 | 16 47 | 4 13 | 2 30 |
| M21 | 2 32 | 21 18 | 0 2 | 13 31 | 2 10 | 22 12 | 3 46 | 11 27 | 4 19 | 4 1 | 1 7 | 15 15 | 1 9 | 10 29 | 0 29 | 13 43 | 1 52 | 6 12 | 13 11 | 21 25 | 21 37 | 16 49 | 4 12 | 2 30 |
| T 22 | 2 55 | 24 22 | 1n13 | 14 3 | 2 16 | 22 31 | 3 50 | 11 25 | 4 14 | 4 6 | 1 7 | 15 13 | 1 10 | 10 30 | 0 29 | 13 42 | 1 52 | 6 12 | 13 11 | 21 25 | 21 36 | 16 52 | 4 11 | 2 30 |
| W23 | 3 19 | 25 51 | 2 23 | 14 34 | 2 22 | 22 49 | 3 54 | 11 23 | 4 9 | 4 11 | 1 7 | 15 11 | 1 10 | 10 31 | 0 29 | 13 42 | 1 52 | 6 11 | 13 11 | 21 25 | 21 36 | 16 55 | 4 9 | 2 30 |
| T 24 | 3 42 | 25 42 | 3 24 | 15 4 | 2 28 | 23 7 | 3 58 | 11 20 | 4 5 | 4 16 | 1 7 | 15 9 | 1 10 | 10 33 | 0 29 | 13 41 | 1 52 | 6 11 | 13 11 | 21 25 | 21 35 | 16 57 | 4 8 | 2 30 |
| F 25 | 4 6 | 24 3 | 4 11 | 15 33 | 2 34 | 23 24 | 4 2 | 11 17 | 4 0 | 4 21 | 1 7 | 15 8 | 1 10 | 10 34 | 0 29 | 13 41 | 1 52 | 6 11 | 13 11 | 21 25 | 21 35 | 17 0 | 4 7 | 2 30 |
| S 26 | 4 29 | 21 6 | 4 45 | 16 0 | 2 39 | 23 41 | 4 6 | 11 14 | 3 55 | 4 26 | 1 7 | 15 6 | 1 10 | 10 35 | 0 29 | 13 41 | 1 52 | 6 10 | 13 11 | 21 24 | 21 34 | 17 2 | 4 6 | 2 30 |
| S 27 | 4 53 | 17 10 | 5 3 | 16 27 | 2 44 | 23 57 | 4 10 | 11 11 | 3 50 | 4 31 | 1 7 | 15 4 | 1 10 | 10 36 | 0 29 | 13 40 | 1 52 | 6 10 | 13 12 | 21 23 | 21 34 | 17 5 | 4 5 | 2 30 |
| M28 | 5 16 | 12 30 | 5 5 | 16 52 | 2 49 | 24 13 | 4 14 | 11 7 | 3 45 | 4 36 | 1 7 | 15 2 | 1 11 | 10 38 | 0 29 | 13 40 | 1 52 | 6 10 | 13 12 | 21 21 | 21 33 | 17 7 | 4 3 | 2 30 |
| T 29 | 5 39 | 5 24 | 4 53 | 17 15 | 2 53 | 24 28 | 4 17 | 11 3 | 3 41 | 4 41 | 1 7 | 15 1 | 1 11 | 10 39 | 0 29 | 13 39 | 1 52 | 6 9 | 13 12 | 21 19 | 21 33 | 17 10 | 4 2 | 2 30 |
| W30 | 6s 2 | 2n 5 | 4n27 | 17s37 | 2s57 | 24s42 | 4s21 | 10s59 | 3s36 | 4s47 | 1n 7 | 14n59 | 1n11 | 10s40 | 0n29 | 13n39 | 1s52 | 6n 9 | 13s12 | 21n18 | 21n32 | 17s12 | 4n 1 | 2n29 |

Julian Day Number = 2228268.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'45, Lahiri = 15°19'46 Julian Calendar 1 Sept. 1388 == Greg. Calendar 9 Sept. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## OCTOBER 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 12 36 | 16♎16'18 | 17♎14 | 10♏48 | 2♐ 0 | 10♓31 | 14♎53 | 23♌11 | 28♎59 | 11°R47 | 24°R32 | 5°R22 | 6♊52 | 22♏35 | 4°R18 | T 1 |
| F 2 | 1 16 33 | 17°15'59 | 29°17 | 11°39 | 2°51 | 10°32 | 15° 6 | 23°17 | 29° 2 | 11♉45 | 24♉31 | 5♊15 | 6°48 | 22°41 | 4♈15 | F 2 |
| S 3 | 1 20 29 | 18°15'42 | 11♏11 | 12°26 | 3°41 | 10°35 | 15°19 | 23°22 | 29° 6 | 11°44 | 24°30 | 5°10 | 6°45 | 22°48 | 4°13 | S 3 |
| S 4 | 1 24 26 | 19°15'27 | 23° 0 | 13° 9 | 4°31 | 10°38 | 15°32 | 23°27 | 29°10 | 11°42 | 24°30 | 5° 7 | 6°42 | 22°55 | 4°10 | S 4 |
| M 5 | 1 28 22 | 20°15'14 | 4♐46 | 13°47 | 5°20 | 10°41 | 15°45 | 23°33 | 29°13 | 11°41 | 24°29 | 5°D 6 | 6°39 | 23° 1 | 4° 7 | M 5 |
| T 6 | 1 32 19 | 21°15'03 | 16°33 | 14°21 | 6° 9 | 10°46 | 15°58 | 23°38 | 29°17 | 11°39 | 24°28 | 5° 6 | 6°36 | 23° 8 | 4° 5 | T 6 |
| W 7 | 1 36 15 | 22°14'53 | 28°24 | 14°48 | 6°56 | 10°51 | 16°11 | 23°43 | 29°21 | 11°37 | 24°27 | 5° 8 | 6°33 | 23°14 | 4° 2 | W 7 |
| T 8 | 1 40 12 | 23°14'46 | 10♑25 | 15°10 | 7°43 | 10°58 | 16°25 | 23°48 | 29°25 | 11°36 | 24°26 | 5° 9 | 6°29 | 23°21 | 3°59 | T 8 |
| F 9 | 1 44 8 | 24°14'40 | 22°41 | 15°25 | 8°29 | 11° 4 | 16°38 | 23°53 | 29°28 | 11°34 | 24°25 | 5°R10 | 6°26 | 23°28 | 3°57 | F 9 |
| S 10 | 1 48 5 | 25°14'36 | 5♒17 | 15°R32 | 9°14 | 11°12 | 16°51 | 23°58 | 29°32 | 11°33 | 24°24 | 5° 9 | 6°23 | 23°34 | 3°54 | S 10 |
| S 11 | 1 52 2 | 26°14'33 | 18°17 | 15°32 | 9°58 | 11°20 | 17° 4 | 24° 3 | 29°36 | 11°31 | 24°23 | 5° 7 | 6°20 | 23°41 | 3°52 | S 11 |
| M12 | 1 55 58 | 27°14'32 | 1♓44 | 15°23 | 10°41 | 11°29 | 17°17 | 24° 8 | 29°40 | 11°29 | 24°22 | 5° 3 | 6°17 | 23°48 | 3°49 | M12 |
| T 13 | 1 59 55 | 28°14'32 | 15°41 | 15° 5 | 11°22 | 11°39 | 17°29 | 24°13 | 29°43 | 11°28 | 24°21 | 4°58 | 6°13 | 23°54 | 3°47 | T 13 |
| W14 | 2 3 51 | 29°14'35 | 0♈ 5 | 14°38 | 12° 3 | 11°50 | 17°42 | 24°17 | 29°47 | 11°26 | 24°20 | 4°53 | 6°10 | 24° 1 | 3°44 | W14 |
| T 15 | 2 7 48 | 0♏14'39 | 14°52 | 14° 2 | 12°43 | 12° 1 | 17°55 | 24°22 | 29°51 | 11°25 | 24°19 | 4°47 | 6° 7 | 24° 8 | 3°42 | T 15 |
| F 16 | 2 11 44 | 1°14'44 | 29°55 | 13°16 | 13°21 | 12°12 | 18° 8 | 24°26 | 29°55 | 11°23 | 24°18 | 4°43 | 6° 4 | 24°14 | 3°39 | F 16 |
| S 17 | 2 15 41 | 2°14'52 | 15♉ 5 | 12°20 | 13°59 | 12°25 | 18°21 | 24°31 | 29°58 | 11°21 | 24°17 | 4°40 | 6° 1 | 24°21 | 3°37 | S 17 |
| S 18 | 2 19 37 | 3°15'02 | 0♊12 | 11°17 | 14°35 | 12°38 | 18°34 | 24°35 | 0♏ 2 | 11°20 | 24°16 | 4°D39 | 5°58 | 24°28 | 3°35 | S 18 |
| M19 | 2 23 34 | 4°15'13 | 15° 7 | 10° 7 | 15° 9 | 12°51 | 18°47 | 24°39 | 0° 6 | 11°18 | 24°15 | 4°39 | 5°54 | 24°34 | 3°32 | M19 |
| T 20 | 2 27 31 | 5°15'27 | 29°44 | 8°51 | 15°42 | 13° 6 | 19° 0 | 24°43 | 0°10 | 11°16 | 24°14 | 4°40 | 5°51 | 24°41 | 3°30 | T 20 |
| W21 | 2 31 27 | 6°15'43 | 13♋58 | 7°33 | 16°14 | 13°21 | 19°12 | 24°47 | 0°13 | 11°14 | 24°13 | 4°42 | 5°48 | 24°48 | 3°28 | W21 |
| T 22 | 2 35 24 | 7°16'01 | 27°49 | 6°13 | 16°45 | 13°36 | 19°25 | 24°51 | 0°17 | 11°13 | 24°12 | 4°43 | 5°45 | 24°54 | 3°25 | T 22 |
| F 23 | 2 39 20 | 8°16'21 | 11♌17 | 4°56 | 17°13 | 13°52 | 19°38 | 24°55 | 0°21 | 11°11 | 24°11 | 4°R43 | 5°42 | 25° 1 | 3°23 | F 23 |
| S 24 | 2 43 17 | 9°16'42 | 24°23 | 3°42 | 17°41 | 14° 9 | 19°51 | 24°59 | 0°25 | 11° 9 | 24° 9 | 4°42 | 5°38 | 25° 7 | 3°21 | S 24 |
| S 25 | 2 47 13 | 10°17'06 | 7♍10 | 2°36 | 18° 6 | 14°26 | 20° 3 | 25° 3 | 0°28 | 11° 8 | 24° 8 | 4°40 | 5°35 | 25°14 | 3°19 | S 25 |
| M26 | 2 51 10 | 11°17'32 | 19°42 | 1°38 | 18°30 | 14°43 | 20°16 | 25° 6 | 0°32 | 11° 6 | 24° 7 | 4°37 | 5°32 | 25°21 | 3°17 | M26 |
| T 27 | 2 55 6 | 12°17'59 | 2♎ 1 | 0°50 | 18°52 | 15° 2 | 20°29 | 25°10 | 0°36 | 11° 4 | 24° 6 | 4°34 | 5°29 | 25°27 | 3°15 | T 27 |
| W28 | 2 59 3 | 13°18'29 | 14° 9 | 0°13 | 19°12 | 15°20 | 20°41 | 25°13 | 0°40 | 11° 3 | 24° 5 | 4°30 | 5°26 | 25°34 | 3°13 | W28 |
| T 29 | 3 3 0 | 14°19'00 | 26° 9 | 29♎48 | 19°31 | 15°39 | 20°54 | 25°16 | 0°43 | 11° 1 | 24° 4 | 4°26 | 5°23 | 25°41 | 3°11 | T 29 |
| F 30 | 3 6 56 | 15°19'32 | 8♏ 3 | 29°35 | 19°47 | 15°59 | 21° 6 | 25°20 | 0°47 | 10°59 | 24° 3 | 4°24 | 5°19 | 25°47 | 3° 9 | F 30 |
| S 31 | 3 10 53 | 16♏20'07 | 19♏52 | 29°D33 | 20♐ 1 | 16♓19 | 21♎19 | 25♌23 | 0♏51 | 10♉58 | 24♉ 2 | 4♊22 | 5♊16 | 25♏54 | 3♈ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s25 | 3s16 | 3n49 | 17s58 | 3s 0 | 24s57 | 4s24 | 10s54 | 3s31 | 4s52 | 1n 7 | 14n57 | 1n11 | 10s42 | 0n29 | 13n38 | 1s52 | 6n 9 | 13s12 | 21n16 | 21n32 | 17s15 | 4n 0 | 2n29 |
| F 2 | 6 48 | 8 26 | 3 1 | 18 16 | 3 3 | 25 10 | 4 28 | 10 49 | 3 27 | 4 57 | 1 7 | 14 56 | 1 11 | 10 43 | 0 29 | 13 38 | 1 52 | 6 8 | 13 12 | 21 15 | 21 31 | 17 17 | 3 59 | 2 29 |
| S 3 | 7 11 | 13 15 | 2 6 | 18 33 | 3 5 | 25 23 | 4 31 | 10 44 | 3 22 | 5 2 | 1 7 | 14 54 | 1 11 | 10 44 | 0 29 | 13 37 | 1 52 | 6 8 | 13 12 | 21 14 | 21 31 | 17 20 | 3 58 | 2 29 |
| S 4 | 7 34 | 17 32 | 1 5 | 18 48 | 3 6 | 25 36 | 4 34 | 10 39 | 3 17 | 5 7 | 1 7 | 14 52 | 1 12 | 10 46 | 0 29 | 13 37 | 1 52 | 6 8 | 13 13 | 21 13 | 21 30 | 17 22 | 3 56 | 2 29 |
| M 5 | 7 56 | 21 8 | 0 2 | 19 0 | 3 7 | 25 48 | 4 37 | 10 33 | 3 13 | 5 12 | 1 7 | 14 51 | 1 12 | 10 47 | 0 29 | 13 36 | 1 52 | 6 7 | 13 13 | 21 13 | 21 30 | 17 25 | 3 55 | 2 29 |
| T 6 | 8 19 | 23 52 | 1s 2 | 19 10 | 3 7 | 25 59 | 4 39 | 10 27 | 3 8 | 5 17 | 1 7 | 14 49 | 1 12 | 10 48 | 0 29 | 13 36 | 1 53 | 6 7 | 13 13 | 21 13 | 21 29 | 17 27 | 3 54 | 2 29 |
| W 7 | 8 41 | 25 34 | 2 3 | 19 17 | 3 6 | 26 10 | 4 42 | 10 21 | 3 3 | 5 22 | 1 7 | 14 48 | 1 12 | 10 50 | 0 29 | 13 35 | 1 53 | 6 7 | 13 13 | 21 14 | 21 28 | 17 30 | 3 53 | 2 29 |
| T 8 | 9 4 | 26 6 | 3 0 | 19 22 | 3 4 | 26 20 | 4 44 | 10 14 | 2 59 | 5 27 | 1 7 | 14 46 | 1 12 | 10 51 | 0 29 | 13 35 | 1 53 | 6 6 | 13 13 | 21 14 | 21 28 | 17 32 | 3 52 | 2 29 |
| F 9 | 9 26 | 25 23 | 3 50 | 19 23 | 3 1 | 26 30 | 4 46 | 10 8 | 2 55 | 5 32 | 1 7 | 14 45 | 1 12 | 10 52 | 0 29 | 13 34 | 1 53 | 6 6 | 13 13 | 21 14 | 21 27 | 17 35 | 3 51 | 2 28 |
| S 10 | 9 48 | 23 23 | 4 30 | 19 21 | 2 56 | 26 39 | 4 48 | 10 1 | 2 50 | 5 37 | 1 7 | 14 43 | 1 13 | 10 54 | 0 29 | 13 34 | 1 53 | 6 6 | 13 13 | 21 14 | 21 27 | 17 37 | 3 49 | 2 28 |
| S 11 | 10 10 | 20 7 | 4 58 | 19 16 | 2 50 | 26 48 | 4 50 | 9 53 | 2 46 | 5 42 | 1 7 | 14 42 | 1 13 | 10 55 | 0 29 | 13 33 | 1 53 | 6 5 | 13 13 | 21 13 | 21 26 | 17 40 | 3 48 | 2 28 |
| M12 | 10 32 | 15 43 | 5 11 | 19 6 | 2 43 | 26 56 | 4 52 | 9 46 | 2 42 | 5 47 | 1 7 | 14 40 | 1 13 | 10 56 | 0 29 | 13 33 | 1 53 | 6 5 | 13 13 | 21 13 | 21 26 | 17 42 | 3 47 | 2 28 |
| T 13 | 10 53 | 10 22 | 5 6 | 18 52 | 2 34 | 27 4 | 4 53 | 9 38 | 2 37 | 5 52 | 1 7 | 14 39 | 1 13 | 10 58 | 0 29 | 13 32 | 1 53 | 6 5 | 13 14 | 21 12 | 21 25 | 17 45 | 3 46 | 2 28 |
| W14 | 11 15 | 4 17 | 4 42 | 18 34 | 2 24 | 27 11 | 4 55 | 9 30 | 2 33 | 5 57 | 1 7 | 14 37 | 1 13 | 10 59 | 0 29 | 13 32 | 1 53 | 6 4 | 13 14 | 21 11 | 21 25 | 17 47 | 3 45 | 2 28 |
| T 15 | 11 36 | 2n12 | 3 59 | 18 12 | 2 12 | 27 17 | 4 56 | 9 22 | 2 29 | 6 2 | 1 7 | 14 36 | 1 14 | 11 0 | 0 29 | 13 31 | 1 53 | 6 4 | 13 14 | 21 10 | 21 24 | 17 50 | 3 44 | 2 28 |
| F 16 | 11 57 | 8 42 | 2 59 | 17 44 | 1 58 | 27 23 | 4 56 | 9 14 | 2 25 | 6 6 | 1 7 | 14 35 | 1 14 | 11 2 | 0 29 | 13 31 | 1 53 | 6 4 | 13 14 | 21 9 | 21 24 | 17 52 | 3 43 | 2 27 |
| S 17 | 12 18 | 14 44 | 1 45 | 17 13 | 1 42 | 27 28 | 4 57 | 9 6 | 2 21 | 6 11 | 1 7 | 14 33 | 1 14 | 11 3 | 0 29 | 13 30 | 1 53 | 6 3 | 13 14 | 21 9 | 21 23 | 17 55 | 3 42 | 2 27 |
| S 18 | 12 38 | 19 52 | 0 24 | 16 37 | 1 25 | 27 33 | 4 57 | 8 57 | 2 17 | 6 16 | 1 7 | 14 32 | 1 14 | 11 4 | 0 29 | 13 30 | 1 53 | 6 3 | 13 14 | 21 8 | 21 22 | 17 57 | 3 41 | 2 27 |
| M19 | 12 59 | 23 38 | 0n57 | 15 57 | 1 6 | 27 37 | 4 57 | 8 48 | 2 13 | 6 21 | 1 7 | 14 31 | 1 14 | 11 6 | 0 29 | 13 29 | 1 53 | 6 3 | 13 14 | 21 8 | 21 22 | 18 0 | 3 40 | 2 27 |
| T 20 | 13 19 | 25 45 | 2 13 | 15 14 | 0 46 | 27 40 | 4 57 | 8 39 | 2 9 | 6 26 | 1 7 | 14 30 | 1 15 | 11 7 | 0 29 | 13 29 | 1 53 | 6 3 | 13 14 | 21 9 | 21 21 | 18 2 | 3 38 | 2 27 |
| W21 | 13 39 | 26 5 | 3 19 | 14 29 | 0 26 | 27 43 | 4 56 | 8 30 | 2 5 | 6 31 | 1 7 | 14 29 | 1 15 | 11 8 | 0 29 | 13 28 | 1 53 | 6 2 | 13 14 | 21 9 | 21 21 | 18 4 | 3 37 | 2 27 |
| T 22 | 13 59 | 24 47 | 4 12 | 13 43 | 0 5 | 27 45 | 4 55 | 8 20 | 2 2 | 6 36 | 1 7 | 14 28 | 1 15 | 11 10 | 0 29 | 13 27 | 1 53 | 6 2 | 13 14 | 21 9 | 21 20 | 18 7 | 3 36 | 2 27 |
| F 23 | 14 19 | 22 4 | 4 49 | 12 58 | 0n15 | 27 47 | 4 54 | 8 11 | 1 58 | 6 40 | 1 7 | 14 26 | 1 15 | 11 11 | 0 29 | 13 27 | 1 53 | 6 2 | 13 14 | 21 9 | 21 20 | 18 9 | 3 35 | 2 26 |
| S 24 | 14 38 | 18 18 | 5 9 | 12 15 | 0 35 | 27 48 | 4 53 | 8 1 | 1 54 | 6 45 | 1 7 | 14 25 | 1 15 | 11 12 | 0 29 | 13 26 | 1 53 | 6 1 | 13 14 | 21 9 | 21 19 | 18 12 | 3 34 | 2 26 |
| S 25 | 14 57 | 13 46 | 5 14 | 11 34 | 0 54 | 27 49 | 4 51 | 7 51 | 1 51 | 6 50 | 1 7 | 14 24 | 1 16 | 11 14 | 0 29 | 13 26 | 1 53 | 6 1 | 13 14 | 21 9 | 21 19 | 18 14 | 3 33 | 2 26 |
| M26 | 15 16 | 8 44 | 5 4 | 10 58 | 1 11 | 27 49 | 4 49 | 7 41 | 1 47 | 6 55 | 1 7 | 14 23 | 1 16 | 11 15 | 0 29 | 13 25 | 1 53 | 6 1 | 13 14 | 21 8 | 21 18 | 18 17 | 3 32 | 2 26 |
| T 27 | 15 35 | 3 28 | 4 39 | 10 27 | 1 27 | 27 48 | 4 46 | 7 31 | 1 44 | 6 59 | 1 7 | 14 22 | 1 16 | 11 16 | 0 29 | 13 25 | 1 53 | 6 1 | 13 14 | 21 7 | 21 17 | 18 19 | 3 31 | 2 26 |
| W28 | 15 53 | 1s52 | 4 3 | 10 1 | 1 41 | 27 47 | 4 43 | 7 20 | 1 40 | 7 4 | 1 7 | 14 21 | 1 16 | 11 17 | 0 29 | 13 24 | 1 53 | 6 0 | 13 14 | 21 7 | 21 17 | 18 22 | 3 30 | 2 26 |
| T 29 | 16 11 | 7 6 | 3 16 | 9 41 | 1 53 | 27 45 | 4 40 | 7 10 | 1 37 | 7 9 | 1 7 | 14 20 | 1 17 | 11 19 | 0 29 | 13 24 | 1 53 | 6 0 | 13 14 | 21 6 | 21 16 | 18 24 | 3 30 | 2 25 |
| F 30 | 16 29 | 12 1 | 2 20 | 9 27 | 2 3 | 27 43 | 4 36 | 6 59 | 1 34 | 7 13 | 1 7 | 14 20 | 1 17 | 11 20 | 0 29 | 13 23 | 1 53 | 6 0 | 13 14 | 21 6 | 21 16 | 18 26 | 3 29 | 2 25 |
| S 31 | 16s47 | 16s30 | 1n19 | 9s19 | 2n11 | 27s39 | 4s32 | 6s48 | 1s31 | 7s18 | 1n 7 | 14n19 | 1n17 | 11s21 | 0n29 | 13n23 | 1s53 | 5n59 | 13s14 | 21n 5 | 21n15 | 18s29 | 3n28 | 2n25 |

Julian Day Number = 2228298.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'50, Lahiri = 15°19'50 Julian Calendar 1 Oct. 1388 == Greg. Calendar 9 Oct. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## NOVEMBER 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 14 49 | 17♏20'43 | 1♐40 | 29♎42 | 20♐13 | 16♓40 | 21♎31 | 25♌26 | 0♏54 | 10°R56 | 24°R 1 | 4°D21 | 5♊13 | 26♏ 1 | 3°R 5 | S 1 |
| M 2 | 3 18 46 | 18°21'20 | 13°27 | 0♏ 1 | 20°23 | 17° 1 | 21°44 | 25°28 | 0°58 | 10♉54 | 23♉59 | 4♊22 | 5°10 | 26° 7 | 3♈ 4 | M 2 |
| T 3 | 3 22 42 | 19°21'59 | 25°16 | 0°29 | 20°31 | 17°23 | 21°56 | 25°31 | 1° 1 | 10°53 | 23°58 | 4°22 | 5° 7 | 26°14 | 3° 2 | T 3 |
| W 4 | 3 26 39 | 20°22'39 | 7♑11 | 1° 6 | 20°36 | 17°45 | 22° 8 | 25°34 | 1° 5 | 10°51 | 23°57 | 4°24 | 5° 4 | 26°21 | 3° 0 | W 4 |
| T 5 | 3 30 35 | 21°23'21 | 19°15 | 1°50 | 20°40 | 18° 7 | 22°20 | 25°36 | 1° 9 | 10°49 | 23°56 | 4°25 | 5° 0 | 26°27 | 2°58 | T 5 |
| F 6 | 3 34 32 | 22°24'03 | 1♒31 | 2°41 | 20°R40 | 18°30 | 22°33 | 25°39 | 1°12 | 10°48 | 23°55 | 4°26 | 4°57 | 26°34 | 2°57 | F 6 |
| S 7 | 3 38 29 | 23°24'47 | 14° 4 | 3°38 | 20°39 | 18°53 | 22°45 | 25°41 | 1°16 | 10°46 | 23°54 | 4°27 | 4°54 | 26°41 | 2°55 | S 7 |
| S 8 | 3 42 25 | 24°25'32 | 26°58 | 4°40 | 20°34 | 19°17 | 22°57 | 25°44 | 1°19 | 10°44 | 23°53 | 4°R27 | 4°51 | 26°47 | 2°54 | S 8 |
| M 9 | 3 46 22 | 25°26'17 | 10♓17 | 5°46 | 20°28 | 19°41 | 23° 9 | 25°46 | 1°23 | 10°43 | 23°52 | 4°27 | 4°48 | 26°54 | 2°52 | M 9 |
| T 10 | 3 50 18 | 26°27'04 | 24° 2 | 6°56 | 20°19 | 20° 5 | 23°21 | 25°48 | 1°26 | 10°41 | 23°50 | 4°26 | 4°44 | 27° 0 | 2°51 | T 10 |
| W11 | 3 54 15 | 27°27'52 | 8♈14 | 8° 9 | 20° 7 | 20°30 | 23°33 | 25°50 | 1°30 | 10°39 | 23°49 | 4°25 | 4°41 | 27° 7 | 2°50 | W11 |
| T 12 | 3 58 11 | 28°28'40 | 22°52 | 9°25 | 19°53 | 20°55 | 23°45 | 25°52 | 1°33 | 10°38 | 23°48 | 4°24 | 4°38 | 27°14 | 2°48 | T 12 |
| F 13 | 4 2 8 | 29°29'30 | 7♉50 | 10°44 | 19°36 | 21°21 | 23°56 | 25°53 | 1°37 | 10°36 | 23°47 | 4°24 | 4°35 | 27°20 | 2°47 | F 13 |
| S 14 | 4 6 4 | 0♐30'21 | 23° 1 | 12° 5 | 19°18 | 21°47 | 24° 8 | 25°55 | 1°40 | 10°35 | 23°46 | 4°24 | 4°32 | 27°27 | 2°46 | S 14 |
| S 15 | 4 10 1 | 1°31'13 | 8♊16 | 13°27 | 18°56 | 22°13 | 24°20 | 25°56 | 1°44 | 10°33 | 23°45 | 4°D24 | 4°29 | 27°34 | 2°45 | S 15 |
| M16 | 4 13 58 | 2°32'06 | 23°25 | 14°51 | 18°33 | 22°39 | 24°31 | 25°58 | 1°47 | 10°31 | 23°44 | 4°24 | 4°25 | 27°40 | 2°44 | M16 |
| T 17 | 4 17 54 | 3°33'00 | 8♋18 | 16°16 | 18° 7 | 23° 6 | 24°43 | 25°59 | 1°50 | 10°30 | 23°43 | 4°24 | 4°22 | 27°47 | 2°43 | T 17 |
| W18 | 4 21 51 | 4°33'56 | 22°49 | 17°43 | 17°40 | 23°33 | 24°55 | 26° 0 | 1°54 | 10°28 | 23°41 | 4°R24 | 4°19 | 27°54 | 2°42 | W18 |
| T 19 | 4 25 47 | 5°34'52 | 6♌55 | 19°10 | 17°11 | 24° 0 | 25° 6 | 26° 1 | 1°57 | 10°27 | 23°40 | 4°24 | 4°16 | 28° 0 | 2°41 | T 19 |
| F 20 | 4 29 44 | 6°35'50 | 20°32 | 20°38 | 16°40 | 24°28 | 25°17 | 26° 2 | 2° 0 | 10°25 | 23°39 | 4°24 | 4°13 | 28° 7 | 2°40 | F 20 |
| S 21 | 4 33 40 | 7°36'50 | 3♍44 | 22° 6 | 16° 7 | 24°56 | 25°29 | 26° 3 | 2° 3 | 10°24 | 23°38 | 4°D23 | 4°10 | 28°14 | 2°39 | S 21 |
| S 22 | 4 37 37 | 8°37'50 | 16°31 | 23°36 | 15°34 | 25°24 | 25°40 | 26° 4 | 2° 7 | 10°23 | 23°37 | 4°24 | 4° 6 | 28°20 | 2°38 | S 22 |
| M23 | 4 41 33 | 9°38'51 | 28°59 | 25° 6 | 14°59 | 25°52 | 25°51 | 26° 5 | 2°10 | 10°21 | 23°36 | 4°24 | 4° 3 | 28°27 | 2°37 | M23 |
| T 24 | 4 45 30 | 10°39'54 | 11♎11 | 26°36 | 14°23 | 26°21 | 26° 2 | 26° 5 | 2°13 | 10°20 | 23°35 | 4°24 | 4° 0 | 28°34 | 2°37 | T 24 |
| W25 | 4 49 27 | 11°40'57 | 23°11 | 28° 6 | 13°47 | 26°50 | 26°13 | 26° 6 | 2°16 | 10°18 | 23°34 | 4°25 | 3°57 | 28°40 | 2°36 | W25 |
| T 26 | 4 53 23 | 12°42'02 | 5♏ 3 | 29°37 | 13°11 | 27°19 | 26°24 | 26° 6 | 2°19 | 10°17 | 23°33 | 4°26 | 3°54 | 28°47 | 2°36 | T 26 |
| F 27 | 4 57 20 | 13°43'07 | 16°51 | 1♐ 8 | 12°35 | 27°49 | 26°35 | 26° 6 | 2°22 | 10°15 | 23°32 | 4°27 | 3°50 | 28°53 | 2°35 | F 27 |
| S 28 | 5 1 16 | 14°44'14 | 28°38 | 2°40 | 11°58 | 28°18 | 26°45 | 26°R 6 | 2°25 | 10°14 | 23°31 | 4°R27 | 3°47 | 29° 0 | 2°35 | S 28 |
| S 29 | 5 5 13 | 15°45'21 | 10♐26 | 4°11 | 11°23 | 28°48 | 26°56 | 26° 6 | 2°28 | 10°13 | 23°30 | 4°27 | 3°44 | 29° 7 | 2°34 | S 29 |
| M30 | 5 9 9 | 16♐46'29 | 22♐18 | 5♐43 | 10♐47 | 29♓18 | 27♎ 7 | 26♌ 6 | 2♏31 | 10♉12 | 23♉29 | 4♊27 | 3♊41 | 29♏13 | 2♈34 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 4 | 20s19 | 0n15 | 9s16 | 2n17 | 27s36 | 4s27 | 6s37 | 1s27 | 7s23 | 1n 7 | 14n18 | 1n17 | 11s23 | 0n29 | 13n22 | 1s53 | 5n59 | 13s14 | 21n 5 | 21n15 | 18s31 | 3n27 | 2n25 |
| M 2 | 17 21 | 23 19 | 0s50 | 9 18 | 2 22 | 27 31 | 4 22 | 6 26 | 1 24 | 7 27 | 1 7 | 14 17 | 1 17 | 11 24 | 0 29 | 13 22 | 1 53 | 5 59 | 13 14 | 21 5 | 21 14 | 18 34 | 3 26 | 2 25 |
| T 3 | 17 38 | 25 19 | 1 53 | 9 25 | 2 24 | 27 26 | 4 16 | 6 15 | 1 21 | 7 32 | 1 8 | 14 16 | 1 18 | 11 25 | 0 29 | 13 21 | 1 53 | 5 59 | 13 14 | 21 5 | 21 13 | 18 36 | 3 25 | 2 25 |
| W 4 | 17 54 | 26 11 | 2 52 | 9 37 | 2 26 | 27 21 | 4 10 | 6 3 | 1 18 | 7 36 | 1 8 | 14 16 | 1 18 | 11 26 | 0 29 | 13 21 | 1 53 | 5 58 | 13 14 | 21 6 | 21 13 | 18 38 | 3 24 | 2 24 |
| T 5 | 18 10 | 25 50 | 3 44 | 9 52 | 2 26 | 27 14 | 4 3 | 5 52 | 1 15 | 7 41 | 1 8 | 14 15 | 1 18 | 11 28 | 0 29 | 13 20 | 1 53 | 5 58 | 13 14 | 21 6 | 21 12 | 18 41 | 3 23 | 2 24 |
| F 6 | 18 26 | 24 13 | 4 27 | 10 10 | 2 26 | 27 7 | 3 56 | 5 40 | 1 12 | 7 45 | 1 8 | 14 14 | 1 18 | 11 29 | 0 29 | 13 20 | 1 53 | 5 58 | 13 14 | 21 6 | 21 12 | 18 43 | 3 23 | 2 24 |
| S 7 | 18 41 | 21 24 | 4 58 | 10 31 | 2 24 | 26 59 | 3 49 | 5 28 | 1 9 | 7 50 | 1 8 | 14 14 | 1 18 | 11 30 | 0 29 | 13 19 | 1 53 | 5 58 | 13 14 | 21 6 | 21 11 | 18 46 | 3 22 | 2 24 |
| S 8 | 18 56 | 17 29 | 5 15 | 10 54 | 2 21 | 26 51 | 3 40 | 5 17 | 1 6 | 7 54 | 1 8 | 14 13 | 1 19 | 11 31 | 0 29 | 13 19 | 1 53 | 5 57 | 13 14 | 21 6 | 21 11 | 18 48 | 3 21 | 2 24 |
| M 9 | 19 11 | 12 36 | 5 16 | 11 19 | 2 18 | 26 41 | 3 31 | 5 4 | 1 4 | 7 58 | 1 8 | 14 13 | 1 19 | 11 33 | 0 29 | 13 18 | 1 53 | 5 57 | 13 14 | 21 6 | 21 10 | 18 50 | 3 20 | 2 24 |
| T 10 | 19 26 | 6 57 | 4 59 | 11 46 | 2 14 | 26 31 | 3 22 | 4 52 | 1 1 | 8 3 | 1 8 | 14 12 | 1 19 | 11 34 | 0 29 | 13 18 | 1 53 | 5 57 | 13 14 | 21 6 | 21 9 | 18 53 | 3 20 | 2 23 |
| W11 | 19 40 | 0 46 | 4 24 | 12 14 | 2 9 | 26 21 | 3 12 | 4 40 | 0 58 | 8 7 | 1 8 | 14 12 | 1 19 | 11 35 | 0 29 | 13 17 | 1 53 | 5 57 | 13 14 | 21 6 | 21 9 | 18 55 | 3 19 | 2 23 |
| T 12 | 19 53 | 5n39 | 3 31 | 12 43 | 2 4 | 26 9 | 3 2 | 4 28 | 0 56 | 8 11 | 1 8 | 14 11 | 1 20 | 11 36 | 0 29 | 13 17 | 1 52 | 5 57 | 13 14 | 21 6 | 21 8 | 18 58 | 3 18 | 2 23 |
| F 13 | 20 7 | 11 55 | 2 22 | 13 13 | 1 58 | 25 57 | 2 51 | 4 15 | 0 53 | 8 16 | 1 8 | 14 11 | 1 20 | 11 37 | 0 29 | 13 16 | 1 52 | 5 56 | 13 14 | 21 6 | 21 8 | 19 0 | 3 18 | 2 23 |
| S 14 | 20 20 | 17 35 | 1 3 | 13 44 | 1 52 | 25 44 | 2 39 | 4 3 | 0 51 | 8 20 | 1 8 | 14 11 | 1 20 | 11 39 | 0 29 | 13 16 | 1 52 | 5 56 | 13 14 | 21 6 | 21 7 | 19 2 | 3 17 | 2 23 |
| S 15 | 20 32 | 22 7 | 0n22 | 14 15 | 1 46 | 25 30 | 2 27 | 3 50 | 0 48 | 8 24 | 1 8 | 14 10 | 1 20 | 11 40 | 0 29 | 13 15 | 1 52 | 5 56 | 13 14 | 21 6 | 21 6 | 19 5 | 3 16 | 2 22 |
| M16 | 20 44 | 25 5 | 1 44 | 14 46 | 1 40 | 25 15 | 2 14 | 3 37 | 0 46 | 8 28 | 1 8 | 14 10 | 1 21 | 11 41 | 0 29 | 13 15 | 1 52 | 5 56 | 13 14 | 21 6 | 21 6 | 19 7 | 3 16 | 2 22 |
| T 17 | 20 56 | 26 13 | 2 58 | 15 17 | 1 33 | 25 0 | 2 1 | 3 25 | 0 43 | 8 33 | 1 9 | 14 10 | 1 21 | 11 42 | 0 29 | 13 15 | 1 52 | 5 56 | 13 14 | 21 6 | 21 5 | 19 9 | 3 15 | 2 22 |
| W18 | 21 7 | 25 30 | 3 58 | 15 48 | 1 26 | 24 44 | 1 47 | 3 12 | 0 41 | 8 37 | 1 9 | 14 10 | 1 21 | 11 43 | 0 29 | 13 14 | 1 52 | 5 55 | 13 14 | 21 6 | 21 5 | 19 12 | 3 14 | 2 22 |
| T 19 | 21 18 | 23 9 | 4 42 | 16 18 | 1 19 | 24 27 | 1 33 | 2 59 | 0 38 | 8 41 | 1 9 | 14 10 | 1 21 | 11 44 | 0 29 | 13 14 | 1 52 | 5 55 | 13 14 | 21 6 | 21 4 | 19 14 | 3 14 | 2 22 |
| F 20 | 21 29 | 19 34 | 5 9 | 16 49 | 1 12 | 24 9 | 1 19 | 2 46 | 0 36 | 8 45 | 1 9 | 14 9 | 1 21 | 11 45 | 0 29 | 13 13 | 1 52 | 5 55 | 13 14 | 21 6 | 21 4 | 19 16 | 3 13 | 2 21 |
| S 21 | 21 39 | 15 6 | 5 18 | 17 19 | 1 5 | 23 51 | 1 4 | 2 32 | 0 34 | 8 49 | 1 9 | 14 9 | 1 22 | 11 47 | 0 29 | 13 13 | 1 52 | 5 55 | 13 13 | 21 6 | 21 3 | 19 19 | 3 13 | 2 21 |
| S 22 | 21 49 | 10 6 | 5 11 | 17 48 | 0 57 | 23 33 | 0 49 | 2 19 | 0 32 | 8 53 | 1 9 | 14 9 | 1 22 | 11 48 | 0 29 | 13 12 | 1 52 | 5 55 | 13 13 | 21 6 | 21 2 | 19 21 | 3 12 | 2 21 |
| M23 | 21 58 | 4 50 | 4 49 | 18 17 | 0 50 | 23 14 | 0 34 | 2 6 | 0 30 | 8 57 | 1 9 | 14 9 | 1 22 | 11 49 | 0 29 | 13 12 | 1 52 | 5 55 | 13 13 | 21 6 | 21 2 | 19 23 | 3 12 | 2 21 |
| T 24 | 22 7 | 0s32 | 4 15 | 18 46 | 0 43 | 22 54 | 0 18 | 1 52 | 0 27 | 9 1 | 1 9 | 14 9 | 1 22 | 11 50 | 0 29 | 13 12 | 1 52 | 5 55 | 13 13 | 21 6 | 21 1 | 19 26 | 3 11 | 2 21 |
| W25 | 22 16 | 5 47 | 3 30 | 19 14 | 0 36 | 22 34 | 0 3 | 1 39 | 0 25 | 9 5 | 1 9 | 14 9 | 1 23 | 11 51 | 0 29 | 13 11 | 1 52 | 5 54 | 13 13 | 21 6 | 21 1 | 19 28 | 3 11 | 2 20 |
| T 26 | 22 24 | 10 48 | 2 36 | 19 41 | 0 28 | 22 14 | 0n13 | 1 25 | 0 23 | 9 8 | 1 9 | 14 10 | 1 23 | 11 52 | 0 29 | 13 11 | 1 52 | 5 54 | 13 13 | 21 6 | 21 0 | 19 30 | 3 11 | 2 20 |
| F 27 | 22 31 | 15 23 | 1 36 | 20 7 | 0 21 | 21 54 | 0 29 | 1 12 | 0 21 | 9 12 | 1 10 | 14 10 | 1 23 | 11 53 | 0 29 | 13 10 | 1 52 | 5 54 | 13 13 | 21 6 | 20 59 | 19 33 | 3 10 | 2 20 |
| S 28 | 22 39 | 19 24 | 0 32 | 20 32 | 0 14 | 21 34 | 0 44 | 0 58 | 0 19 | 9 16 | 1 10 | 14 10 | 1 23 | 11 54 | 0 29 | 13 10 | 1 52 | 5 54 | 13 13 | 21 6 | 20 59 | 19 35 | 3 10 | 2 20 |
| S 29 | 22 45 | 22 38 | 0s33 | 20 57 | 0 7 | 21 14 | 1 0 | 0 45 | 0 17 | 9 20 | 1 10 | 14 10 | 1 24 | 11 55 | 0 29 | 13 10 | 1 52 | 5 54 | 13 12 | 21 6 | 20 58 | 19 37 | 3 10 | 2 20 |
| M30 | 22s52 | 24s55 | 1s37 | 21s20 | 0s 0 | 20s54 | 1n15 | 0s31 | 0s16 | 9s23 | 1n10 | 14n10 | 1n24 | 11s56 | 0n29 | 13n 9 | 1s52 | 5n54 | 13s12 | 21n 6 | 20n58 | 19s40 | 3n 9 | 2n19 |

Julian Day Number = 2228329.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'54, Lahiri = 15°19'54 Julian Calendar 1 Nov. 1388 == Greg. Calendar 9 Nov. 1388


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# ASTRODIENST EPHEMERIS for the year 1388
# geocentric

## DECEMBER 1388 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 13 6 | 17♐47'37 | 4♑15 | 7♐15 | 10°R13 | 29♓49 | 27♎17 | 26°R 6 | 2♏34 | 10°R10 | 23°R27 | 4°R25 | 3♊38 | 29♏20 | 2°R34 | T 1 |
| W 2 | 5 17 3 | 18°48'46 | 16°19 | 8°48 | 9♐40 | 0♈19 | 27°27 | 26♌ 5 | 2°37 | 10♉ 9 | 23♉26 | 4♊23 | 3°35 | 29°27 | 2♈33 | W 2 |
| T 3 | 5 20 59 | 19°49'55 | 28°33 | 10°20 | 9° 9 | 0°50 | 27°38 | 26° 5 | 2°40 | 10° 8 | 23°25 | 4°21 | 3°31 | 29°33 | 2°33 | T 3 |
| F 4 | 5 24 56 | 20°51'05 | 10♒58 | 11°53 | 8°38 | 1°21 | 27°48 | 26° 4 | 2°43 | 10° 7 | 23°24 | 4°18 | 3°28 | 29°40 | 2°33 | F 4 |
| S 5 | 5 28 52 | 21°52'14 | 23°37 | 13°26 | 8°10 | 1°52 | 27°58 | 26° 4 | 2°46 | 10° 5 | 23°23 | 4°16 | 3°25 | 29°47 | 2°D33 | S 5 |
| S 6 | 5 32 49 | 22°53'24 | 6♓32 | 14°59 | 7°44 | 2°24 | 28° 8 | 26° 3 | 2°48 | 10° 4 | 23°23 | 4°14 | 3°22 | 29°53 | 2°33 | S 6 |
| M 7 | 5 36 45 | 23°54'34 | 19°45 | 16°32 | 7°19 | 2°55 | 28°18 | 26° 2 | 2°51 | 10° 3 | 23°22 | 4°D14 | 3°19 | 29°59 | 2°33 | M 7 |
| T 8 | 5 40 42 | 24°55'44 | 3♈19 | 18° 6 | 6°57 | 3°27 | 28°28 | 26° 1 | 2°54 | 10° 2 | 23°21 | 4°14 | 3°16 | 0♐ 7 | 2°33 | T 8 |
| W 9 | 5 44 38 | 25°56'53 | 17°16 | 19°40 | 6°37 | 3°59 | 28°37 | 26° 0 | 2°56 | 10° 1 | 23°20 | 4°15 | 3°12 | 0°13 | 2°34 | W 9 |
| T 10 | 5 48 35 | 26°58'03 | 1♉34 | 21°14 | 6°19 | 4°31 | 28°47 | 25°58 | 2°59 | 10° 0 | 23°19 | 4°16 | 3° 9 | 0°20 | 2°34 | T 10 |
| F 11 | 5 52 32 | 27°59'13 | 16°12 | 22°48 | 6° 3 | 5° 3 | 28°56 | 25°57 | 3° 2 | 9°59 | 23°18 | 4°18 | 3° 6 | 0°26 | 2°34 | F 11 |
| S 12 | 5 56 28 | 29° 0'23 | 1♊ 6 | 24°23 | 5°51 | 5°36 | 29° 6 | 25°55 | 3° 4 | 9°58 | 23°17 | 4°R18 | 3° 3 | 0°33 | 2°35 | S 12 |
| S 13 | 6 0 25 | 0♑ 1'32 | 16°10 | 25°58 | 5°40 | 6° 8 | 29°15 | 25°54 | 3° 7 | 9°57 | 23°16 | 4°18 | 3° 0 | 0°40 | 2°35 | S 13 |
| M14 | 6 4 21 | 1° 2'42 | 1♋14 | 27°33 | 5°32 | 6°41 | 29°24 | 25°52 | 3° 9 | 9°56 | 23°15 | 4°16 | 2°56 | 0°46 | 2°36 | M14 |
| T 15 | 6 8 18 | 2° 3'52 | 16° 9 | 29° 8 | 5°27 | 7°14 | 29°33 | 25°50 | 3°11 | 9°55 | 23°14 | 4°13 | 2°53 | 0°53 | 2°36 | T 15 |
| W16 | 6 12 14 | 3° 5'02 | 0♌48 | 0♑44 | 5°24 | 7°47 | 29°42 | 25°49 | 3°14 | 9°54 | 23°13 | 4° 9 | 2°50 | 1° 0 | 2°37 | W16 |
| T 17 | 6 16 11 | 4° 6'12 | 15° 4 | 2°20 | 5°D23 | 8°20 | 29°51 | 25°47 | 3°16 | 9°53 | 23°13 | 4° 4 | 2°47 | 1° 6 | 2°37 | T 17 |
| F 18 | 6 20 7 | 5° 7'22 | 28°52 | 3°57 | 5°25 | 8°53 | 29°59 | 25°44 | 3°18 | 9°53 | 23°12 | 4° 0 | 2°44 | 1°13 | 2°38 | F 18 |
| S 19 | 6 24 4 | 6° 8'32 | 12♍13 | 5°34 | 5°30 | 9°26 | 0♏ 8 | 25°42 | 3°21 | 9°52 | 23°11 | 3°56 | 2°41 | 1°20 | 2°39 | S 19 |
| S 20 | 6 28 1 | 7° 9'43 | 25° 6 | 7°11 | 5°37 | 10° 0 | 0°17 | 25°40 | 3°23 | 9°51 | 23°10 | 3°54 | 2°37 | 1°26 | 2°40 | S 20 |
| M21 | 6 31 57 | 8°10'53 | 7♎37 | 8°49 | 5°46 | 10°33 | 0°25 | 25°38 | 3°25 | 9°50 | 23° 9 | 3°D53 | 2°34 | 1°33 | 2°40 | M21 |
| T 22 | 6 35 54 | 9°12'04 | 19°49 | 10°27 | 5°57 | 11° 7 | 0°33 | 25°35 | 3°27 | 9°50 | 23° 9 | 3°54 | 2°31 | 1°40 | 2°41 | T 22 |
| W23 | 6 39 50 | 10°13'14 | 1♏47 | 12° 6 | 6°11 | 11°41 | 0°41 | 25°32 | 3°29 | 9°49 | 23° 8 | 3°55 | 2°28 | 1°46 | 2°42 | W23 |
| T 24 | 6 43 47 | 11°14'25 | 13°37 | 13°45 | 6°26 | 12°15 | 0°49 | 25°30 | 3°31 | 9°48 | 23° 7 | 3°57 | 2°25 | 1°53 | 2°43 | T 24 |
| F 25 | 6 47 43 | 12°15'35 | 25°23 | 15°24 | 6°44 | 12°49 | 0°57 | 25°27 | 3°33 | 9°48 | 23° 7 | 3°58 | 2°22 | 2° 0 | 2°45 | F 25 |
| S 26 | 6 51 40 | 13°16'45 | 7♐10 | 17° 4 | 7° 4 | 13°23 | 1° 5 | 25°24 | 3°35 | 9°47 | 23° 6 | 3°R59 | 2°18 | 2° 6 | 2°46 | S 26 |
| S 27 | 6 55 36 | 14°17'55 | 19° 1 | 18°44 | 7°25 | 13°58 | 1°12 | 25°21 | 3°37 | 9°47 | 23° 5 | 3°57 | 2°15 | 2°13 | 2°47 | S 27 |
| M28 | 6 59 33 | 15°19'05 | 0♑59 | 20°25 | 7°49 | 14°32 | 1°20 | 25°18 | 3°38 | 9°46 | 23° 5 | 3°54 | 2°12 | 2°19 | 2°48 | M28 |
| T 29 | 7 3 30 | 16°20'14 | 13° 7 | 22° 6 | 8°14 | 15° 6 | 1°27 | 25°15 | 3°40 | 9°46 | 23° 4 | 3°48 | 2° 9 | 2°26 | 2°50 | T 29 |
| W30 | 7 7 26 | 17°21'23 | 25°26 | 23°48 | 8°41 | 15°41 | 1°34 | 25°12 | 3°42 | 9°45 | 23° 3 | 3°41 | 2° 6 | 2°33 | 2°51 | W30 |
| T 31 | 7 11 23 | 18♑22'31 | 7♒57 | 25♑30 | 9♐10 | 16♈16 | 1♏41 | 25♌ 8 | 3♏43 | 9♉45 | 23♉ 3 | 3♊33 | 2♊ 2 | 2♐39 | 2♈52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22s57 | 26s 5 | 2s38 | 21s43 | 0s 7 | 20s35 | 1n30 | 0s17 | 0s14 | 9s27 | 1n10 | 14n11 | 1n24 | 11s57 | 0n29 | 13n 9 | 1s52 | 5n54 | 13s12 | 21n 6 | 20n57 | 19s42 | 3n 9 | 2n19 | |
| W 2 | 23 3 | 26 1 | 3 32 | 22 4 | 0 14 | 20 15 | 1 44 | 0 3 | 0 12 | 9 31 | 1 10 | 14 11 | 1 24 | 11 58 | 0 29 | 13 8 | 1 52 | 5 54 | 13 12 | 21 5 | 20 56 | 19 44 | 3 9 | 2 19 | |
| T 3 | 23 8 | 24 42 | 4 17 | 22 25 | 0 21 | 19 57 | 1 58 | 0n11 | 0 10 | 9 34 | 1 10 | 14 11 | 1 24 | 11 59 | 0 29 | 13 8 | 1 52 | 5 54 | 13 12 | 21 5 | 20 56 | 19 46 | 3 8 | 2 19 | |
| F 4 | 23 12 | 22 11 | 4 50 | 22 45 | 0 27 | 19 38 | 2 12 | 0 25 | 0 8 | 9 38 | 1 10 | 14 12 | 1 25 | 12 0 | 0 29 | 13 8 | 1 52 | 5 53 | 13 12 | 21 5 | 20 55 | 19 49 | 3 8 | 2 19 | |
| S 5 | 23 16 | 18 34 | 5 11 | 23 3 | 0 34 | 19 21 | 2 26 | 0 39 | 0 6 | 9 41 | 1 11 | 14 12 | 1 25 | 12 1 | 0 29 | 13 7 | 1 52 | 5 53 | 13 12 | 21 4 | 20 55 | 19 51 | 3 8 | 2 18 | |
| S 6 | 23 20 | 14 2 | 5 16 | 23 20 | 0 40 | 19 4 | 2 38 | 0 53 | 0 5 | 9 45 | 1 11 | 14 13 | 1 25 | 12 2 | 0 29 | 13 7 | 1 52 | 5 53 | 13 11 | 21 4 | 20 54 | 19 53 | 3 8 | 2 18 | |
| M 7 | 23 23 | 8 44 | 5 5 | 23 37 | 0 47 | 18 48 | 2 51 | 1 7 | 0 3 | 9 48 | 1 11 | 14 13 | 1 25 | 12 3 | 0 29 | 13 7 | 1 52 | 5 53 | 13 11 | 21 4 | 20 53 | 19 56 | 3 8 | 2 18 | |
| T 8 | 23 25 | 2 54 | 4 36 | 23 52 | 0 53 | 18 33 | 3 3 | 1 21 | 0 1 | 9 51 | 1 11 | 14 14 | 1 26 | 12 4 | 0 29 | 13 7 | 1 52 | 5 53 | 13 11 | 21 4 | 20 53 | 19 58 | 3 8 | 2 18 | |
| W 9 | 23 27 | 3n14 | 3 51 | 24 5 | 0 59 | 18 18 | 3 14 | 1 35 | 0n 0 | 9 55 | 1 11 | 14 15 | 1 26 | 12 5 | 0 29 | 13 6 | 1 52 | 5 53 | 13 11 | 21 4 | 20 52 | 20 0 | 3 7 | 2 18 | |
| T 10 | 23 29 | 9 23 | 2 51 | 24 18 | 1 4 | 18 5 | 3 24 | 1 50 | 0 2 | 9 58 | 1 11 | 14 15 | 1 26 | 12 6 | 0 29 | 13 6 | 1 51 | 5 53 | 13 11 | 21 4 | 20 51 | 20 2 | 3 7 | 2 17 | |
| F 11 | 23 30 | 15 10 | 1 38 | 24 29 | 1 10 | 17 52 | 3 34 | 2 4 | 0 3 | 10 1 | 1 11 | 14 16 | 1 26 | 12 6 | 0 29 | 13 6 | 1 51 | 5 53 | 13 10 | 21 4 | 20 51 | 20 5 | 3 7 | 2 17 | |
| S 12 | 23 31 | 20 10 | 0 18 | 24 39 | 1 15 | 17 41 | 3 44 | 2 18 | 0 5 | 10 5 | 1 12 | 14 17 | 1 27 | 12 7 | 0 29 | 13 5 | 1 51 | 5 53 | 13 10 | 21 5 | 20 50 | 20 7 | 3 7 | 2 17 | |
| S 13 | 23 31 | 23 52 | 1n 5 | 24 48 | 1 20 | 17 30 | 3 53 | 2 33 | 0 6 | 10 8 | 1 12 | 14 17 | 1 27 | 12 8 | 0 29 | 13 5 | 1 51 | 5 53 | 13 10 | 21 4 | 20 50 | 20 9 | 3 7 | 2 17 | |
| M14 | 23 31 | 25 54 | 2 23 | 24 55 | 1 25 | 17 21 | 4 1 | 2 47 | 0 8 | 10 11 | 1 12 | 14 18 | 1 27 | 12 9 | 0 29 | 13 5 | 1 51 | 5 53 | 13 10 | 21 4 | 20 49 | 20 11 | 3 7 | 2 17 | |
| T 15 | 23 30 | 26 1 | 3 30 | 25 1 | 1 30 | 17 12 | 4 9 | 3 1 | 0 9 | 10 14 | 1 12 | 14 19 | 1 27 | 12 10 | 0 29 | 13 5 | 1 51 | 5 53 | 13 10 | 21 4 | 20 48 | 20 14 | 3 7 | 2 16 | |
| W16 | 23 29 | 24 18 | 4 22 | 25 5 | 1 34 | 17 4 | 4 16 | 3 16 | 0 11 | 10 17 | 1 12 | 14 20 | 1 27 | 12 10 | 0 29 | 13 4 | 1 51 | 5 53 | 13 9 | 21 3 | 20 48 | 20 16 | 3 7 | 2 16 | |
| T 17 | 23 27 | 21 5 | 4 56 | 25 9 | 1 39 | 16 58 | 4 23 | 3 30 | 0 12 | 10 20 | 1 12 | 14 21 | 1 28 | 12 11 | 0 29 | 13 4 | 1 51 | 5 53 | 13 9 | 21 2 | 20 47 | 20 18 | 3 7 | 2 16 | |
| F 18 | 23 25 | 16 46 | 5 12 | 25 10 | 1 43 | 16 52 | 4 29 | 3 44 | 0 13 | 10 23 | 1 12 | 14 22 | 1 28 | 12 12 | 0 29 | 13 4 | 1 51 | 5 53 | 13 9 | 21 1 | 20 47 | 20 20 | 3 8 | 2 16 | |
| S 19 | 23 23 | 11 46 | 5 10 | 25 10 | 1 46 | 16 48 | 4 34 | 3 59 | 0 15 | 10 26 | 1 13 | 14 23 | 1 28 | 12 13 | 0 29 | 13 4 | 1 51 | 5 53 | 13 9 | 21 0 | 20 46 | 20 23 | 3 8 | 2 16 | |
| S 20 | 23 20 | 6 25 | 4 52 | 25 9 | 1 50 | 16 44 | 4 39 | 4 13 | 0 16 | 10 28 | 1 13 | 14 24 | 1 28 | 12 13 | 0 29 | 13 4 | 1 51 | 5 53 | 13 9 | 21 0 | 20 45 | 20 25 | 3 8 | 2 15 | |
| M21 | 23 16 | 0 58 | 4 21 | 25 6 | 1 53 | 16 41 | 4 44 | 4 28 | 0 17 | 10 31 | 1 13 | 14 25 | 1 29 | 12 14 | 0 29 | 13 4 | 1 51 | 5 53 | 13 8 | 21 0 | 20 45 | 20 27 | 3 8 | 2 15 | |
| T 22 | 23 12 | 4s24 | 3 38 | 25 2 | 1 56 | 16 39 | 4 48 | 4 42 | 0 19 | 10 34 | 1 13 | 14 26 | 1 29 | 12 15 | 0 29 | 13 3 | 1 51 | 5 53 | 13 8 | 21 0 | 20 44 | 20 29 | 3 8 | 2 15 | |
| W23 | 23 7 | 9 32 | 2 47 | 24 56 | 1 58 | 16 38 | 4 51 | 4 56 | 0 20 | 10 37 | 1 13 | 14 27 | 1 29 | 12 16 | 0 29 | 13 3 | 1 51 | 5 53 | 13 8 | 21 0 | 20 43 | 20 31 | 3 8 | 2 15 | |
| T 24 | 23 3 | 14 15 | 1 49 | 24 48 | 2 0 | 16 37 | 4 54 | 5 11 | 0 21 | 10 39 | 1 13 | 14 28 | 1 29 | 12 16 | 0 29 | 13 3 | 1 51 | 5 53 | 13 8 | 21 1 | 20 43 | 20 34 | 3 9 | 2 15 | |
| F 25 | 22 57 | 18 25 | 0 47 | 24 39 | 2 2 | 16 37 | 4 57 | 5 25 | 0 22 | 10 42 | 1 14 | 14 29 | 1 29 | 12 17 | 0 29 | 13 3 | 1 51 | 5 53 | 13 7 | 21 1 | 20 42 | 20 36 | 3 9 | 2 14 | |
| S 26 | 22 51 | 21 52 | 0s17 | 24 28 | 2 4 | 16 38 | 4 59 | 5 40 | 0 24 | 10 44 | 1 14 | 14 30 | 1 30 | 12 17 | 0 29 | 13 3 | 1 51 | 5 54 | 13 7 | 21 1 | 20 42 | 20 38 | 3 9 | 2 14 | |
| S 27 | 22 45 | 24 25 | 1 21 | 24 16 | 2 5 | 16 40 | 5 1 | 5 54 | 0 25 | 10 47 | 1 14 | 14 31 | 1 30 | 12 18 | 0 29 | 13 3 | 1 51 | 5 54 | 13 7 | 21 1 | 20 41 | 20 40 | 3 10 | 2 14 | |
| M28 | 22 38 | 25 52 | 2 21 | 24 2 | 2 5 | 16 42 | 5 3 | 6 9 | 0 26 | 10 49 | 1 14 | 14 33 | 1 30 | 12 19 | 0 29 | 13 3 | 1 50 | 5 54 | 13 7 | 21 0 | 20 40 | 20 42 | 3 10 | 2 14 | |
| T 29 | 22 31 | 26 7 | 3 16 | 23 46 | 2 6 | 16 45 | 5 4 | 6 23 | 0 27 | 10 51 | 1 14 | 14 34 | 1 30 | 12 19 | 0 29 | 13 2 | 1 50 | 5 54 | 13 6 | 20 59 | 20 40 | 20 45 | 3 10 | 2 14 | |
| W30 | 22 23 | 25 6 | 4 3 | 23 29 | 2 5 | 16 48 | 5 5 | 6 38 | 0 28 | 10 54 | 1 14 | 14 35 | 1 30 | 12 20 | 0 29 | 13 2 | 1 50 | 5 54 | 13 6 | 20 58 | 20 39 | 20 47 | 3 11 | 2 13 | |
| T 31 | 22s15 | 22s49 | 4s38 | 23s 9 | 2s 5 | 16s52 | 5n 5 | 6n52 | 0n29 | 10s56 | 1n15 | 14n36 | 1n31 | 12s20 | 0n29 | 13n 2 | 1s50 | 5n54 | 13s 6 | 20n56 | 20n38 | 20s49 | 3n11 | 2n13 | |

Julian Day Number = 2228359.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°12'58, Lahiri = 15°19'58 Julian Calendar 1 Dec. 1388 == Greg. Calendar 9 Dec. 1388


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## JANUARY 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 15 19 | 19♑23'39 | 20♒39 | 27♑12 | 9♐40 | 16♈51 | 1♏48 | 25°R 5 | 3♏45 | 9°R44 | 23°R 2 | 3°R24 | 1♊59 | 2♐46 | 2♈54 | F 1 |
| S 2 | 7 19 16 | 20°24'45 | 3♓34 | 28°54 | 10°12 | 17°25 | 1°55 | 25♌ 2 | 3°46 | 9♉44 | 23♉ 2 | 3♊16 | 1°56 | 2°53 | 2°55 | S 2 |
| S 3 | 7 23 12 | 21°25'51 | 16°41 | 0♒37 | 10°45 | 18° 0 | 2° 1 | 24°58 | 3°48 | 9°44 | 23° 1 | 3° 9 | 1°53 | 2°59 | 2°57 | S 3 |
| M 4 | 7 27 9 | 22°26'56 | 0♈ 1 | 2°20 | 11°20 | 18°36 | 2° 8 | 24°54 | 3°49 | 9°43 | 23° 1 | 3° 4 | 1°50 | 3° 6 | 2°59 | M 4 |
| T 5 | 7 31 6 | 23°28'00 | 13°35 | 4° 2 | 11°56 | 19°11 | 2°14 | 24°51 | 3°51 | 9°43 | 23° 0 | 3° 2 | 1°47 | 3°13 | 3° 0 | T 5 |
| W 6 | 7 35 2 | 24°29'02 | 27°23 | 5°45 | 12°33 | 19°46 | 2°20 | 24°47 | 3°52 | 9°43 | 23° 0 | 3°D 1 | 1°43 | 3°19 | 3° 2 | W 6 |
| T 7 | 7 38 59 | 25°30'04 | 11♉25 | 7°27 | 13°12 | 20°21 | 2°26 | 24°43 | 3°53 | 9°43 | 22°59 | 3° 2 | 1°40 | 3°26 | 3° 4 | T 7 |
| F 8 | 7 42 55 | 26°31'04 | 25°42 | 9° 9 | 13°52 | 20°57 | 2°32 | 24°39 | 3°55 | 9°43 | 22°59 | 3°R 3 | 1°37 | 3°33 | 3° 6 | F 8 |
| S 9 | 7 46 52 | 27°32'04 | 10♊12 | 10°51 | 14°33 | 21°32 | 2°37 | 24°35 | 3°56 | 9°43 | 22°58 | 3° 3 | 1°34 | 3°39 | 3° 7 | S 9 |
| S 10 | 7 50 48 | 28°33'02 | 24°50 | 12°31 | 15°15 | 22° 8 | 2°43 | 24°31 | 3°57 | 9°43 | 22°58 | 3° 1 | 1°31 | 3°46 | 3° 9 | S 10 |
| M11 | 7 54 45 | 29°33'59 | 9♋32 | 14°10 | 15°58 | 22°43 | 2°48 | 24°27 | 3°58 | 9°D43 | 22°58 | 2°57 | 1°28 | 3°53 | 3°11 | M11 |
| T 12 | 7 58 41 | 0♒34'55 | 24°11 | 15°48 | 16°42 | 23°19 | 2°53 | 24°23 | 3°59 | 9°43 | 22°57 | 2°50 | 1°24 | 3°59 | 3°13 | T 12 |
| W13 | 8 2 38 | 1°35'50 | 8♌40 | 17°24 | 17°28 | 23°55 | 2°58 | 24°19 | 4° 0 | 9°43 | 22°57 | 2°41 | 1°21 | 4° 6 | 3°16 | W13 |
| T 14 | 8 6 35 | 2°36'44 | 22°52 | 18°57 | 18°14 | 24°30 | 3° 3 | 24°14 | 4° 1 | 9°43 | 22°57 | 2°30 | 1°18 | 4°12 | 3°18 | T 14 |
| F 15 | 8 10 31 | 3°37'36 | 6♍41 | 20°27 | 19° 1 | 25° 6 | 3° 8 | 24°10 | 4° 2 | 9°43 | 22°56 | 2°20 | 1°15 | 4°19 | 3°20 | F 15 |
| S 16 | 8 14 28 | 4°38'28 | 20° 5 | 21°54 | 19°49 | 25°42 | 3°12 | 24° 6 | 4° 2 | 9°43 | 22°56 | 2°11 | 1°12 | 4°26 | 3°22 | S 16 |
| S 17 | 8 18 24 | 5°39'19 | 3♎ 3 | 23°17 | 20°38 | 26°18 | 3°17 | 24° 1 | 4° 3 | 9°43 | 22°56 | 2° 4 | 1° 8 | 4°32 | 3°24 | S 17 |
| M18 | 8 22 21 | 6°40'09 | 15°38 | 24°35 | 21°27 | 26°54 | 3°21 | 23°57 | 4° 4 | 9°43 | 22°55 | 1°59 | 1° 5 | 4°39 | 3°27 | M18 |
| T 19 | 8 26 17 | 7°40'58 | 27°53 | 25°48 | 22°18 | 27°30 | 3°25 | 23°52 | 4° 4 | 9°44 | 22°55 | 1°57 | 1° 2 | 4°46 | 3°29 | T 19 |
| W20 | 8 30 14 | 8°41'46 | 9♏53 | 26°55 | 23° 9 | 28° 6 | 3°29 | 23°48 | 4° 5 | 9°44 | 22°55 | 1°D56 | 0°59 | 4°52 | 3°31 | W20 |
| T 21 | 8 34 10 | 9°42'33 | 21°44 | 27°55 | 24° 1 | 28°42 | 3°32 | 23°43 | 4° 5 | 9°44 | 22°55 | 1°57 | 0°56 | 4°59 | 3°34 | T 21 |
| F 22 | 8 38 7 | 10°43'19 | 3♐30 | 28°46 | 24°54 | 29°18 | 3°36 | 23°38 | 4° 6 | 9°45 | 22°55 | 1°R57 | 0°53 | 5° 6 | 3°36 | F 22 |
| S 23 | 8 42 4 | 11°44'04 | 15°19 | 29°30 | 25°47 | 29°55 | 3°39 | 23°34 | 4° 6 | 9°45 | 22°55 | 1°56 | 0°49 | 5°12 | 3°39 | S 23 |
| S 24 | 8 46 0 | 12°44'48 | 27°13 | 0♓ 4 | 26°41 | 0♉31 | 3°42 | 23°29 | 4° 7 | 9°45 | 22°55 | 1°53 | 0°46 | 5°19 | 3°41 | S 24 |
| M25 | 8 49 57 | 13°45'30 | 9♑18 | 0°29 | 27°36 | 1° 7 | 3°45 | 23°24 | 4° 7 | 9°46 | 22°54 | 1°47 | 0°43 | 5°26 | 3°44 | M25 |
| T 26 | 8 53 53 | 14°46'12 | 21°36 | 0°43 | 28°31 | 1°44 | 3°48 | 23°20 | 4° 7 | 9°46 | 22°54 | 1°39 | 0°40 | 5°32 | 3°46 | T 26 |
| W27 | 8 57 50 | 15°46'52 | 4♒ 9 | 0°R47 | 29°26 | 2°20 | 3°51 | 23°15 | 4° 7 | 9°47 | 22°54 | 1°28 | 0°37 | 5°39 | 3°49 | W27 |
| T 28 | 9 1 46 | 16°47'31 | 16°59 | 0°41 | 0♑23 | 2°57 | 3°53 | 23°10 | 4° 7 | 9°47 | 22°D54 | 1°15 | 0°34 | 5°45 | 3°52 | T 28 |
| F 29 | 9 5 43 | 17°48'08 | 0♓ 3 | 0°24 | 1°19 | 3°33 | 3°55 | 23° 5 | 4° 7 | 9°48 | 22°54 | 1° 2 | 0°30 | 5°52 | 3°55 | F 29 |
| S 30 | 9 9 39 | 18°48'43 | 13°21 | 29♒56 | 2°17 | 4°10 | 3°57 | 23° 0 | 4°R 7 | 9°49 | 22°54 | 0°49 | 0°27 | 5°59 | 3°57 | S 30 |
| S 31 | 9 13 36 | 19♒49'17 | 26♓51 | 29♒20 | 3♑14 | 4♉46 | 3♏59 | 22♌56 | 4♏ 7 | 9♉49 | 22♉54 | 0♊39 | 0♊24 | 6♐ 5 | 4♈ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s 7 | 19s24 | 5s 0 | 22s49 | 2s 4 | 16s56 | 5n 6 | 7n 6 | 0n30 | 10s58 | 1n15 | 14n38 | 1n31 | 12s21 | 0n29 | 13n 2 | 1s50 | 5n54 | 13s 6 | 20n54 | 20n38 | 20s51 | 3n11 | 2n13 |
| S 2 | 21 58 | 15 0 | 5 8 | 22 26 | 2 2 | 17 1 | 5 6 | 7 21 | 0 31 | 11 0 | 1 15 | 14 39 | 1 31 | 12 21 | 0 29 | 13 2 | 1 50 | 5 54 | 13 5 | 20 53 | 20 37 | 20 53 | 3 12 | 2 13 |
| S 3 | 21 48 | 9 52 | 4 59 | 22 2 | 2 0 | 17 6 | 5 5 | 7 35 | 0 32 | 11 2 | 1 15 | 14 40 | 1 31 | 12 22 | 0 30 | 13 2 | 1 50 | 5 54 | 13 5 | 20 51 | 20 36 | 20 55 | 3 12 | 2 13 |
| M 4 | 21 39 | 4 11 | 4 35 | 21 36 | 1 57 | 17 11 | 5 5 | 7 49 | 0 33 | 11 4 | 1 15 | 14 42 | 1 31 | 12 22 | 0 30 | 13 2 | 1 50 | 5 55 | 13 5 | 20 51 | 20 36 | 20 58 | 3 13 | 2 13 |
| T 5 | 21 28 | 1n47 | 3 54 | 21 9 | 1 53 | 17 17 | 5 4 | 8 4 | 0 34 | 11 6 | 1 16 | 14 43 | 1 32 | 12 23 | 0 30 | 13 2 | 1 50 | 5 55 | 13 5 | 20 50 | 20 35 | 21 0 | 3 13 | 2 12 |
| W 6 | 21 18 | 7 47 | 3 0 | 20 40 | 1 49 | 17 23 | 5 3 | 8 18 | 0 35 | 11 8 | 1 16 | 14 45 | 1 32 | 12 23 | 0 30 | 13 2 | 1 50 | 5 55 | 13 4 | 20 50 | 20 35 | 21 2 | 3 14 | 2 12 |
| T 7 | 21 7 | 13 30 | 1 54 | 20 9 | 1 45 | 17 29 | 5 1 | 8 32 | 0 36 | 11 10 | 1 16 | 14 46 | 1 32 | 12 24 | 0 30 | 13 2 | 1 50 | 5 55 | 13 4 | 20 50 | 20 34 | 21 4 | 3 14 | 2 12 |
| F 8 | 20 55 | 18 37 | 0 39 | 19 37 | 1 39 | 17 35 | 5 0 | 8 46 | 0 37 | 11 12 | 1 16 | 14 48 | 1 32 | 12 24 | 0 30 | 13 2 | 1 50 | 5 55 | 13 4 | 20 50 | 20 33 | 21 6 | 3 15 | 2 12 |
| S 9 | 20 43 | 22 41 | 0n38 | 19 4 | 1 33 | 17 42 | 4 58 | 9 1 | 0 38 | 11 14 | 1 16 | 14 49 | 1 32 | 12 24 | 0 30 | 13 2 | 1 50 | 5 55 | 13 3 | 20 50 | 20 33 | 21 8 | 3 15 | 2 12 |
| S 10 | 20 31 | 25 19 | 1 54 | 18 29 | 1 26 | 17 48 | 4 56 | 9 15 | 0 39 | 11 15 | 1 16 | 14 51 | 1 32 | 12 25 | 0 30 | 13 2 | 1 50 | 5 56 | 13 3 | 20 50 | 20 32 | 21 10 | 3 16 | 2 11 |
| M11 | 20 19 | 26 13 | 3 3 | 17 53 | 1 19 | 17 55 | 4 53 | 9 29 | 0 40 | 11 17 | 1 17 | 14 52 | 1 33 | 12 25 | 0 30 | 13 2 | 1 50 | 5 56 | 13 3 | 20 49 | 20 31 | 21 13 | 3 17 | 2 11 |
| T 12 | 20 6 | 25 16 | 3 59 | 17 17 | 1 11 | 18 2 | 4 51 | 9 43 | 0 41 | 11 19 | 1 17 | 14 54 | 1 33 | 12 25 | 0 30 | 13 2 | 1 50 | 5 56 | 13 3 | 20 48 | 20 31 | 21 15 | 3 17 | 2 11 |
| W13 | 19 52 | 22 38 | 4 38 | 16 39 | 1 1 | 18 8 | 4 48 | 9 57 | 0 42 | 11 20 | 1 17 | 14 55 | 1 33 | 12 26 | 0 30 | 13 2 | 1 49 | 5 56 | 13 2 | 20 46 | 20 30 | 21 17 | 3 18 | 2 11 |
| T 14 | 19 39 | 18 40 | 5 0 | 16 0 | 0 51 | 18 15 | 4 46 | 10 11 | 0 42 | 11 22 | 1 17 | 14 57 | 1 33 | 12 26 | 0 30 | 13 3 | 1 49 | 5 56 | 13 2 | 20 44 | 20 29 | 21 19 | 3 19 | 2 11 |
| F 15 | 19 24 | 13 47 | 5 3 | 15 22 | 0 41 | 18 22 | 4 43 | 10 25 | 0 43 | 11 23 | 1 17 | 14 58 | 1 33 | 12 26 | 0 30 | 13 3 | 1 49 | 5 57 | 13 2 | 20 42 | 20 29 | 21 21 | 3 19 | 2 11 |
| S 16 | 19 10 | 8 23 | 4 50 | 14 43 | 0 29 | 18 29 | 4 40 | 10 39 | 0 44 | 11 24 | 1 18 | 15 0 | 1 33 | 12 26 | 0 30 | 13 3 | 1 49 | 5 57 | 13 1 | 20 40 | 20 28 | 21 23 | 3 20 | 2 10 |
| S 17 | 18 55 | 2 47 | 4 21 | 14 4 | 0 16 | 18 36 | 4 36 | 10 53 | 0 45 | 11 26 | 1 18 | 15 2 | 1 33 | 12 27 | 0 30 | 13 3 | 1 49 | 5 57 | 13 1 | 20 39 | 20 27 | 21 25 | 3 21 | 2 10 |
| M18 | 18 40 | 2s46 | 3 41 | 13 25 | 0 3 | 18 42 | 4 33 | 11 7 | 0 46 | 11 27 | 1 18 | 15 3 | 1 34 | 12 27 | 0 30 | 13 3 | 1 49 | 5 57 | 13 1 | 20 38 | 20 27 | 21 27 | 3 22 | 2 10 |
| T 19 | 18 25 | 8 5 | 2 51 | 12 47 | 0n11 | 18 49 | 4 29 | 11 20 | 0 46 | 11 28 | 1 18 | 15 5 | 1 34 | 12 27 | 0 30 | 13 3 | 1 49 | 5 58 | 13 1 | 20 37 | 20 26 | 21 29 | 3 22 | 2 10 |
| W20 | 18 9 | 13 1 | 1 55 | 12 11 | 0 26 | 18 55 | 4 26 | 11 34 | 0 47 | 11 29 | 1 18 | 15 7 | 1 34 | 12 27 | 0 30 | 13 3 | 1 49 | 5 58 | 13 0 | 20 37 | 20 25 | 21 31 | 3 23 | 2 10 |
| T 21 | 17 53 | 17 23 | 0 54 | 11 36 | 0 41 | 19 1 | 4 22 | 11 48 | 0 48 | 11 30 | 1 19 | 15 8 | 1 34 | 12 27 | 0 30 | 13 3 | 1 49 | 5 58 | 13 0 | 20 37 | 20 25 | 21 34 | 3 24 | 2 10 |
| F 22 | 17 36 | 21 4 | 0s 8 | 11 3 | 0 57 | 19 7 | 4 18 | 12 1 | 0 49 | 11 31 | 1 19 | 15 10 | 1 34 | 12 28 | 0 30 | 13 4 | 1 49 | 5 58 | 13 0 | 20 37 | 20 24 | 21 36 | 3 25 | 2 9 |
| S 23 | 17 20 | 23 53 | 1 11 | 10 33 | 1 13 | 19 13 | 4 14 | 12 15 | 0 49 | 11 32 | 1 19 | 15 12 | 1 34 | 12 28 | 0 30 | 13 4 | 1 49 | 5 59 | 12 59 | 20 37 | 20 23 | 21 38 | 3 26 | 2 9 |
| S 24 | 17 2 | 25 40 | 2 10 | 10 5 | 1 30 | 19 19 | 4 10 | 12 28 | 0 50 | 11 33 | 1 19 | 15 13 | 1 34 | 12 28 | 0 30 | 13 4 | 1 49 | 5 59 | 12 59 | 20 37 | 20 23 | 21 40 | 3 27 | 2 9 |
| M25 | 16 45 | 26 16 | 3 5 | 9 41 | 1 46 | 19 24 | 4 6 | 12 42 | 0 51 | 11 34 | 1 19 | 15 15 | 1 35 | 12 28 | 0 30 | 13 4 | 1 49 | 5 59 | 12 59 | 20 35 | 20 22 | 21 42 | 3 27 | 2 9 |
| T 26 | 16 27 | 25 35 | 3 51 | 9 21 | 2 3 | 19 29 | 4 2 | 12 55 | 0 51 | 11 35 | 1 20 | 15 17 | 1 35 | 12 28 | 0 30 | 13 4 | 1 49 | 5 59 | 12 58 | 20 34 | 20 22 | 21 44 | 3 28 | 2 9 |
| W27 | 16 10 | 23 37 | 4 28 | 9 4 | 2 19 | 19 34 | 3 57 | 13 8 | 0 52 | 11 35 | 1 20 | 15 18 | 1 35 | 12 28 | 0 30 | 13 5 | 1 49 | 6 0 | 12 58 | 20 31 | 20 21 | 21 46 | 3 29 | 2 9 |
| T 28 | 15 51 | 20 26 | 4 52 | 8 52 | 2 34 | 19 38 | 3 53 | 13 21 | 0 53 | 11 36 | 1 20 | 15 20 | 1 35 | 12 28 | 0 30 | 13 5 | 1 48 | 6 0 | 12 58 | 20 29 | 20 20 | 21 48 | 3 30 | 2 8 |
| F 29 | 15 33 | 16 10 | 5 1 | 8 44 | 2 49 | 19 43 | 3 48 | 13 35 | 0 53 | 11 36 | 1 20 | 15 22 | 1 35 | 12 28 | 0 30 | 13 5 | 1 48 | 6 0 | 12 57 | 20 26 | 20 20 | 21 50 | 3 31 | 2 8 |
| S 30 | 15 14 | 11 5 | 4 54 | 8 41 | 3 2 | 19 46 | 3 44 | 13 48 | 0 54 | 11 37 | 1 21 | 15 23 | 1 35 | 12 28 | 0 30 | 13 5 | 1 48 | 6 1 | 12 57 | 20 23 | 20 19 | 21 52 | 3 32 | 2 8 |
| S 31 | 14s55 | 5s23 | 4s30 | 8s43 | 3n14 | 19s50 | 3n39 | 14n 1 | 0n54 | 11s37 | 1n21 | 15n25 | 1n35 | 12s28 | 0n30 | 13n 6 | 1s48 | 6n 1 | 12s57 | 20n21 | 20n18 | 21s54 | 3n33 | 2n 8 |

Julian Day Number = 2228390.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'11, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'02, Lahiri = 15°20'03 Julian Calendar 1 Jan. 1389 == Greg. Calendar 9 Jan. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## FEBRUARY 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 17 33 | 20♒49'49 | 10♈30 | 28°R35 | 4♑13 | 5♉23 | 4♏ 1 | 22°R51 | 4°R 7 | 9♉50 | 22♉55 | 0°R31 | 0♊21 | 6♐12 | 4♈ 3 | M 1 |
| T 2 | 9 21 29 | 21°50'19 | 24°17 | 27♒43 | 5°11 | 6° 0 | 4° 2 | 22♌46 | 4♏ 7 | 9°51 | 22°55 | 0♊26 | 0°18 | 6°19 | 4° 6 | T 2 |
| W 3 | 9 25 26 | 22°50'47 | 8♉11 | 26°45 | 6°10 | 6°36 | 4° 3 | 22°41 | 4° 7 | 9°52 | 22°55 | 0°23 | 0°14 | 6°25 | 4° 9 | W 3 |
| T 4 | 9 29 22 | 23°51'13 | 22°11 | 25°42 | 7°10 | 7°13 | 4° 5 | 22°36 | 4° 7 | 9°52 | 22°55 | 0°23 | 0°11 | 6°32 | 4°12 | T 4 |
| F 5 | 9 33 19 | 24°51'38 | 6♊16 | 24°37 | 8°10 | 7°50 | 4° 5 | 22°31 | 4° 6 | 9°53 | 22°55 | 0°23 | 0° 8 | 6°39 | 4°15 | F 5 |
| S 6 | 9 37 15 | 25°52'00 | 20°26 | 23°31 | 9°10 | 8°27 | 4° 6 | 22°26 | 4° 6 | 9°54 | 22°55 | 0°22 | 0° 5 | 6°45 | 4°18 | S 6 |
| S 7 | 9 41 12 | 26°52'21 | 4♋40 | 22°26 | 10°11 | 9° 3 | 4° 7 | 22°22 | 4° 5 | 9°55 | 22°55 | 0°19 | 0° 2 | 6°52 | 4°21 | S 7 |
| M 8 | 9 45 8 | 27°52'39 | 18°55 | 21°23 | 11°12 | 9°40 | 4° 7 | 22°17 | 4° 5 | 9°56 | 22°56 | 0°13 | 29♉59 | 6°59 | 4°24 | M 8 |
| T 9 | 9 49 5 | 28°52'56 | 3♌ 8 | 20°23 | 12°13 | 10°17 | 4°R 7 | 22°12 | 4° 4 | 9°57 | 22°56 | 0° 4 | 29°55 | 7° 5 | 4°27 | T 9 |
| W10 | 9 53 2 | 29°53'10 | 17°12 | 19°28 | 13°15 | 10°54 | 4° 7 | 22° 7 | 4° 4 | 9°58 | 22°56 | 29♉53 | 29°52 | 7°12 | 4°30 | W10 |
| T 11 | 9 56 58 | 0♓53'23 | 1♍ 4 | 18°38 | 14°17 | 11°31 | 4° 7 | 22° 3 | 4° 3 | 9°59 | 22°57 | 29°40 | 29°49 | 7°19 | 4°33 | T 11 |
| F 12 | 10 0 55 | 1°53'34 | 14°40 | 17°55 | 15°19 | 12° 8 | 4° 7 | 21°58 | 4° 3 | 10° 0 | 22°57 | 29°27 | 29°46 | 7°25 | 4°37 | F 12 |
| S 13 | 10 4 51 | 2°53'43 | 27°55 | 17°19 | 16°22 | 12°45 | 4° 6 | 21°53 | 4° 2 | 10° 1 | 22°57 | 29°16 | 29°43 | 7°32 | 4°40 | S 13 |
| S 14 | 10 8 48 | 3°53'50 | 10♎49 | 16°49 | 17°25 | 13°22 | 4° 5 | 21°48 | 4° 1 | 10° 2 | 22°58 | 29° 6 | 29°40 | 7°38 | 4°43 | S 14 |
| M15 | 10 12 44 | 4°53'56 | 23°23 | 16°26 | 18°28 | 13°59 | 4° 4 | 21°44 | 4° 0 | 10° 3 | 22°58 | 28°59 | 29°36 | 7°45 | 4°46 | M15 |
| T 16 | 10 16 41 | 5°54'00 | 5♏39 | 16°10 | 19°31 | 14°36 | 4° 3 | 21°39 | 3°59 | 10° 4 | 22°58 | 28°55 | 29°33 | 7°52 | 4°50 | T 16 |
| W17 | 10 20 37 | 6°54'02 | 17°40 | 16° 1 | 20°35 | 15°13 | 4° 2 | 21°34 | 3°58 | 10° 6 | 22°59 | 28°53 | 29°30 | 7°58 | 4°53 | W17 |
| T 18 | 10 24 34 | 7°54'03 | 29°32 | 15°D59 | 21°39 | 15°50 | 4° 0 | 21°30 | 3°57 | 10° 7 | 22°59 | 28°D53 | 29°27 | 8° 5 | 4°56 | T 18 |
| F 19 | 10 28 31 | 8°54'02 | 11♐20 | 16° 2 | 22°44 | 16°27 | 3°58 | 21°25 | 3°56 | 10° 8 | 23° 0 | 28°R53 | 29°24 | 8°12 | 5° 0 | F 19 |
| S 20 | 10 32 27 | 9°53'59 | 23°10 | 16°12 | 23°48 | 17° 4 | 3°57 | 21°21 | 3°55 | 10° 9 | 23° 0 | 28°52 | 29°20 | 8°18 | 5° 3 | S 20 |
| S 21 | 10 36 24 | 10°53'55 | 5♑ 6 | 16°28 | 24°53 | 17°41 | 3°54 | 21°17 | 3°54 | 10°11 | 23° 1 | 28°50 | 29°17 | 8°25 | 5° 6 | S 21 |
| M22 | 10 40 20 | 11°53'49 | 17°15 | 16°49 | 25°58 | 18°18 | 3°52 | 21°12 | 3°53 | 10°12 | 23° 1 | 28°45 | 29°14 | 8°32 | 5°10 | M22 |
| T 23 | 10 44 17 | 12°53'41 | 29°39 | 17°15 | 27° 3 | 18°55 | 3°50 | 21° 8 | 3°52 | 10°13 | 23° 2 | 28°37 | 29°11 | 8°38 | 5°13 | T 23 |
| W24 | 10 48 13 | 13°53'32 | 12♒22 | 17°45 | 28° 8 | 19°33 | 3°47 | 21° 4 | 3°50 | 10°15 | 23° 2 | 28°27 | 29° 8 | 8°45 | 5°17 | W24 |
| T 25 | 10 52 10 | 14°53'20 | 25°26 | 18°20 | 29°14 | 20°10 | 3°44 | 20°59 | 3°49 | 10°16 | 23° 3 | 28°16 | 29° 5 | 8°52 | 5°20 | T 25 |
| F 26 | 10 56 6 | 15°53'07 | 8♓50 | 18°59 | 0♒20 | 20°47 | 3°41 | 20°55 | 3°48 | 10°18 | 23° 3 | 28° 3 | 29° 1 | 8°58 | 5°24 | F 26 |
| S 27 | 11 0 3 | 16°52'51 | 22°31 | 19°43 | 1°26 | 21°24 | 3°38 | 20°51 | 3°46 | 10°19 | 23° 4 | 27°52 | 28°58 | 9° 5 | 5°27 | S 27 |
| S 28 | 11 3 59 | 17♓52'34 | 6♈26 | 20♒29 | 2♒32 | 22♉ 1 | 3♏35 | 20♌47 | 3♏45 | 10♉21 | 23♉ 5 | 27♉42 | 28♉55 | 9♐12 | 5♈31 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 14s36 | 0n38 | 3s51 | 8s48 | 3n25 | 19s53 | 3n34 | 14n13 | 0n55 | 11s38 | 1n21 | 15n27 | 1n35 | 12s28 | 0n30 | 13n 6 | 1s48 | 6n 1 | 12s57 | 20n20 | 20n18 | 21s56 | 3n34 | 2n 8 | M 1 |
| T 2 | 14 17 | 6 41 | 2 58 | 8 58 | 3 33 | 19 56 | 3 30 | 14 26 | 0 56 | 11 38 | 1 21 | 15 29 | 1 35 | 12 28 | 0 30 | 13 6 | 1 48 | 6 1 | 12 56 | 20 19 | 20 17 | 21 58 | 3 35 | 2 8 | T 2 |
| W 3 | 13 57 | 12 28 | 1 55 | 9 12 | 3 40 | 19 58 | 3 25 | 14 39 | 0 56 | 11 38 | 1 21 | 15 30 | 1 36 | 12 28 | 0 30 | 13 7 | 1 48 | 6 2 | 12 56 | 20 18 | 20 16 | 22 0 | 3 36 | 2 8 | W 3 |
| T 4 | 13 37 | 17 41 | 0 43 | 9 29 | 3 44 | 20 0 | 3 20 | 14 52 | 0 57 | 11 38 | 1 22 | 15 32 | 1 36 | 12 28 | 0 30 | 13 7 | 1 48 | 6 2 | 12 56 | 20 18 | 20 16 | 22 2 | 3 37 | 2 7 | T 4 |
| F 5 | 13 17 | 21 56 | 0n31 | 9 49 | 3 46 | 20 2 | 3 15 | 15 4 | 0 57 | 11 39 | 1 22 | 15 34 | 1 36 | 12 27 | 0 30 | 13 7 | 1 48 | 6 2 | 12 55 | 20 18 | 20 15 | 22 4 | 3 38 | 2 7 | F 5 |
| S 6 | 12 56 | 24 54 | 1 44 | 10 11 | 3 45 | 20 3 | 3 10 | 15 17 | 0 58 | 11 39 | 1 22 | 15 35 | 1 36 | 12 27 | 0 30 | 13 8 | 1 48 | 6 3 | 12 55 | 20 18 | 20 14 | 22 6 | 3 39 | 2 7 | S 6 |
| S 7 | 12 36 | 26 17 | 2 51 | 10 34 | 3 43 | 20 3 | 3 5 | 15 29 | 0 58 | 11 39 | 1 22 | 15 37 | 1 36 | 12 27 | 0 30 | 13 8 | 1 48 | 6 3 | 12 55 | 20 17 | 20 13 | 22 8 | 3 40 | 2 7 | S 7 |
| M 8 | 12 15 | 25 55 | 3 46 | 10 59 | 3 38 | 20 3 | 3 0 | 15 41 | 0 59 | 11 38 | 1 22 | 15 39 | 1 36 | 12 27 | 0 30 | 13 8 | 1 48 | 6 4 | 12 54 | 20 16 | 20 13 | 22 10 | 3 42 | 2 7 | M 8 |
| T 9 | 11 54 | 23 52 | 4 28 | 11 24 | 3 31 | 20 3 | 2 55 | 15 54 | 0 59 | 11 38 | 1 23 | 15 40 | 1 36 | 12 27 | 0 30 | 13 9 | 1 48 | 6 4 | 12 54 | 20 14 | 20 12 | 22 12 | 3 43 | 2 7 | T 9 |
| W10 | 11 33 | 20 23 | 4 53 | 11 49 | 3 23 | 20 3 | 2 50 | 16 6 | 1 0 | 11 38 | 1 23 | 15 42 | 1 36 | 12 27 | 0 30 | 13 9 | 1 48 | 6 4 | 12 54 | 20 12 | 20 11 | 22 14 | 3 44 | 2 7 | W10 |
| T 11 | 11 12 | 15 48 | 5 0 | 12 13 | 3 13 | 20 1 | 2 45 | 16 18 | 1 0 | 11 38 | 1 23 | 15 43 | 1 36 | 12 26 | 0 30 | 13 9 | 1 48 | 6 5 | 12 54 | 20 9 | 20 11 | 22 16 | 3 45 | 2 6 | T 11 |
| F 12 | 10 50 | 10 31 | 4 50 | 12 37 | 3 2 | 20 0 | 2 40 | 16 30 | 1 1 | 11 38 | 1 23 | 15 45 | 1 36 | 12 26 | 0 30 | 13 10 | 1 48 | 6 5 | 12 53 | 20 6 | 20 10 | 22 18 | 3 46 | 2 6 | F 12 |
| S 13 | 10 29 | 4 52 | 4 24 | 12 59 | 2 51 | 19 58 | 2 34 | 16 41 | 1 1 | 11 37 | 1 23 | 15 47 | 1 36 | 12 26 | 0 30 | 13 10 | 1 47 | 6 5 | 12 53 | 20 4 | 20 9 | 22 20 | 3 47 | 2 6 | S 13 |
| S 14 | 10 7 | 0s51 | 3 45 | 13 20 | 2 38 | 19 55 | 2 29 | 16 53 | 1 2 | 11 37 | 1 24 | 15 48 | 1 36 | 12 25 | 0 30 | 13 10 | 1 47 | 6 6 | 12 53 | 20 1 | 20 9 | 22 22 | 3 48 | 2 6 | S 14 |
| M15 | 9 45 | 6 23 | 2 56 | 13 40 | 2 25 | 19 52 | 2 24 | 17 5 | 1 2 | 11 36 | 1 24 | 15 50 | 1 36 | 12 25 | 0 30 | 13 11 | 1 47 | 6 6 | 12 52 | 20 0 | 20 8 | 22 24 | 3 50 | 2 6 | M15 |
| T 16 | 9 23 | 11 34 | 2 0 | 13 57 | 2 11 | 19 48 | 2 19 | 17 16 | 1 3 | 11 36 | 1 24 | 15 51 | 1 36 | 12 25 | 0 30 | 13 11 | 1 47 | 6 6 | 12 52 | 19 59 | 20 7 | 22 26 | 3 51 | 2 6 | T 16 |
| W17 | 9 0 | 16 13 | 0 59 | 14 13 | 1 57 | 19 44 | 2 14 | 17 27 | 1 3 | 11 35 | 1 24 | 15 53 | 1 36 | 12 25 | 0 30 | 13 12 | 1 47 | 6 7 | 12 52 | 19 59 | 20 7 | 22 28 | 3 52 | 2 6 | W17 |
| T 18 | 8 38 | 20 11 | 0s 4 | 14 27 | 1 43 | 19 39 | 2 9 | 17 39 | 1 3 | 11 34 | 1 24 | 15 54 | 1 36 | 12 24 | 0 30 | 13 12 | 1 47 | 6 7 | 12 51 | 19 59 | 20 6 | 22 30 | 3 53 | 2 6 | T 18 |
| F 19 | 8 16 | 23 18 | 1 6 | 14 39 | 1 30 | 19 34 | 2 3 | 17 50 | 1 4 | 11 34 | 1 25 | 15 56 | 1 36 | 12 24 | 0 30 | 13 13 | 1 47 | 6 8 | 12 51 | 19 59 | 20 5 | 22 32 | 3 54 | 2 5 | F 19 |
| S 20 | 7 53 | 25 25 | 2 5 | 14 50 | 1 16 | 19 28 | 1 58 | 18 1 | 1 4 | 11 33 | 1 25 | 15 57 | 1 36 | 12 23 | 0 30 | 13 13 | 1 47 | 6 8 | 12 51 | 19 58 | 20 5 | 22 34 | 3 56 | 2 5 | S 20 |
| S 21 | 7 30 | 26 25 | 3 0 | 14 58 | 1 2 | 19 22 | 1 53 | 18 12 | 1 5 | 11 32 | 1 25 | 15 59 | 1 37 | 12 23 | 0 30 | 13 14 | 1 47 | 6 8 | 12 51 | 19 58 | 20 4 | 22 35 | 3 57 | 2 5 | S 21 |
| M22 | 7 7 | 26 9 | 3 47 | 15 4 | 0 49 | 19 15 | 1 48 | 18 23 | 1 5 | 11 31 | 1 25 | 16 0 | 1 37 | 12 23 | 0 30 | 13 14 | 1 47 | 6 9 | 12 50 | 19 57 | 20 3 | 22 37 | 3 58 | 2 5 | M22 |
| T 23 | 6 44 | 24 36 | 4 24 | 15 9 | 0 36 | 19 8 | 1 43 | 18 33 | 1 5 | 11 30 | 1 25 | 16 2 | 1 37 | 12 22 | 0 30 | 13 15 | 1 47 | 6 9 | 12 50 | 19 55 | 20 3 | 22 39 | 3 59 | 2 5 | T 23 |
| W24 | 6 21 | 21 47 | 4 50 | 15 12 | 0 23 | 19 0 | 1 38 | 18 44 | 1 6 | 11 29 | 1 26 | 16 3 | 1 37 | 12 22 | 0 30 | 13 15 | 1 47 | 6 10 | 12 50 | 19 53 | 20 2 | 22 41 | 4 1 | 2 5 | W24 |
| T 25 | 5 58 | 17 48 | 5 1 | 15 13 | 0 11 | 18 52 | 1 33 | 18 54 | 1 6 | 11 28 | 1 26 | 16 4 | 1 37 | 12 21 | 0 30 | 13 16 | 1 47 | 6 10 | 12 49 | 19 50 | 20 1 | 22 43 | 4 2 | 2 5 | T 25 |
| F 26 | 5 35 | 12 52 | 4 56 | 15 12 | 0s 1 | 18 43 | 1 28 | 19 5 | 1 6 | 11 27 | 1 26 | 16 6 | 1 37 | 12 21 | 0 30 | 13 16 | 1 47 | 6 10 | 12 49 | 19 48 | 20 0 | 22 45 | 4 3 | 2 5 | F 26 |
| S 27 | 5 12 | 7 11 | 4 35 | 15 9 | 0 12 | 18 34 | 1 23 | 19 15 | 1 7 | 11 25 | 1 26 | 16 7 | 1 37 | 12 20 | 0 31 | 13 17 | 1 47 | 6 11 | 12 49 | 19 45 | 20 0 | 22 47 | 4 5 | 2 5 | S 27 |
| S 28 | 4s48 | 1s 3 | 3s56 | 15s 5 | 0s23 | 18s24 | 1n18 | 19n25 | 1n 7 | 11s24 | 1n26 | 16n 8 | 1n37 | 12s20 | 0n31 | 13n17 | 1s47 | 6n11 | 12s49 | 19n43 | 19n59 | 22s49 | 4n 6 | 2n 4 | S 28 |

Julian Day Number = 2228421.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'06, Lahiri = 15°20'07 Julian Calendar 1 Feb. 1389 == Greg. Calendar 9 Feb. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## MARCH 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 7 56 | 18♓52'14 | 20♈32 | 21♒19 | 3♒38 | 22♉39 | 3°R31 | 20°R43 | 3°R43 | 10♉22 | 23♉ 5 | 27°R34 | 28♉52 | 9♐18 | 5♈34 | M 1 |
| T 2 | 11 11 53 | 19°51'53 | 4♉43 | 22°13 | 4°45 | 23°16 | 3♏27 | 20♎39 | 3♏42 | 10°24 | 23° 6 | 27♉30 | 28°49 | 9°25 | 5°38 | T 2 |
| W 3 | 11 15 49 | 20°51'29 | 18°55 | 23° 9 | 5°51 | 23°53 | 3°24 | 20°35 | 3°40 | 10°25 | 23° 7 | 27°28 | 28°45 | 9°31 | 5°41 | W 3 |
| T 4 | 11 19 46 | 21°51'02 | 3♊ 7 | 24° 8 | 6°58 | 24°31 | 3°20 | 20°31 | 3°38 | 10°27 | 23° 7 | 27°D28 | 28°42 | 9°38 | 5°45 | T 4 |
| F 5 | 11 23 42 | 22°50'34 | 17°16 | 25°10 | 8° 5 | 25° 8 | 3°15 | 20°28 | 3°37 | 10°29 | 23° 8 | 27°R28 | 28°39 | 9°45 | 5°49 | F 5 |
| S 6 | 11 27 39 | 23°50'03 | 1♋20 | 26°14 | 9°12 | 25°45 | 3°11 | 20°24 | 3°35 | 10°30 | 23° 9 | 27°28 | 28°36 | 9°51 | 5°52 | S 6 |
| S 7 | 11 31 35 | 24°49'30 | 15°20 | 27°21 | 10°20 | 26°22 | 3° 7 | 20°21 | 3°33 | 10°32 | 23°10 | 27°26 | 28°33 | 9°58 | 5°56 | S 7 |
| M 8 | 11 35 32 | 25°48'54 | 29°14 | 28°30 | 11°27 | 27° 0 | 3° 2 | 20°17 | 3°31 | 10°34 | 23°11 | 27°22 | 28°30 | 10° 5 | 5°59 | M 8 |
| T 9 | 11 39 28 | 26°48'16 | 13♌ 1 | 29°41 | 12°34 | 27°37 | 2°57 | 20°14 | 3°30 | 10°35 | 23°11 | 27°15 | 28°26 | 10°11 | 6° 3 | T 9 |
| W10 | 11 43 25 | 27°47'36 | 26°39 | 0♓55 | 13°42 | 28°14 | 2°52 | 20°10 | 3°28 | 10°37 | 23°12 | 27° 7 | 28°23 | 10°18 | 6° 7 | W10 |
| T 11 | 11 47 22 | 28°46'53 | 10♍ 5 | 2°10 | 14°50 | 28°52 | 2°47 | 20° 7 | 3°26 | 10°39 | 23°13 | 26°57 | 28°20 | 10°25 | 6°10 | T 11 |
| F 12 | 11 51 18 | 29°46'08 | 23°17 | 3°27 | 15°58 | 29°29 | 2°42 | 20° 4 | 3°24 | 10°41 | 23°14 | 26°46 | 28°17 | 10°31 | 6°14 | F 12 |
| S 13 | 11 55 15 | 0♈45'21 | 6♎14 | 4°46 | 17° 6 | 0♊ 6 | 2°36 | 20° 1 | 3°22 | 10°42 | 23°15 | 26°37 | 28°14 | 10°38 | 6°18 | S 13 |
| S 14 | 11 59 11 | 1°44'32 | 18°55 | 6° 7 | 18°14 | 0°44 | 2°31 | 19°58 | 3°20 | 10°44 | 23°16 | 26°29 | 28°11 | 10°45 | 6°21 | S 14 |
| M15 | 12 3 8 | 2°43'41 | 1♏21 | 7°30 | 19°22 | 1°21 | 2°25 | 19°55 | 3°18 | 10°46 | 23°17 | 26°24 | 28° 7 | 10°51 | 6°25 | M15 |
| T 16 | 12 7 4 | 3°42'49 | 13°32 | 8°54 | 20°31 | 1°58 | 2°19 | 19°52 | 3°16 | 10°48 | 23°17 | 26°21 | 28° 4 | 10°58 | 6°29 | T 16 |
| W17 | 12 11 1 | 4°41'54 | 25°31 | 10°20 | 21°39 | 2°36 | 2°13 | 19°49 | 3°14 | 10°50 | 23°18 | 26°D20 | 28° 1 | 11° 5 | 6°32 | W17 |
| T 18 | 12 14 57 | 5°40'57 | 7♐23 | 11°48 | 22°48 | 3°13 | 2° 7 | 19°47 | 3°12 | 10°52 | 23°19 | 26°20 | 27°58 | 11°11 | 6°36 | T 18 |
| F 19 | 12 18 54 | 6°39'59 | 19°11 | 13°17 | 23°56 | 3°50 | 2° 1 | 19°44 | 3° 9 | 10°54 | 23°20 | 26°22 | 27°55 | 11°18 | 6°40 | F 19 |
| S 20 | 12 22 51 | 7°38'59 | 1♑ 1 | 14°48 | 25° 5 | 4°28 | 1°55 | 19°42 | 3° 7 | 10°56 | 23°21 | 26°23 | 27°51 | 11°24 | 6°43 | S 20 |
| S 21 | 12 26 47 | 8°37'57 | 12°58 | 16°20 | 26°14 | 5° 5 | 1°48 | 19°39 | 3° 5 | 10°58 | 23°22 | 26°R23 | 27°48 | 11°31 | 6°47 | S 21 |
| M22 | 12 30 44 | 9°36'53 | 25° 7 | 17°54 | 27°23 | 5°43 | 1°42 | 19°37 | 3° 3 | 11° 0 | 23°23 | 26°22 | 27°45 | 11°38 | 6°51 | M22 |
| T 23 | 12 34 40 | 10°35'48 | 7♒32 | 19°30 | 28°32 | 6°20 | 1°35 | 19°35 | 3° 1 | 11° 2 | 23°24 | 26°18 | 27°42 | 11°44 | 6°54 | T 23 |
| W24 | 12 38 37 | 11°34'40 | 20°19 | 21° 7 | 29°41 | 6°57 | 1°28 | 19°33 | 2°58 | 11° 4 | 23°25 | 26°13 | 27°39 | 11°51 | 6°58 | W24 |
| T 25 | 12 42 33 | 12°33'31 | 3♓28 | 22°46 | 0♓51 | 7°35 | 1°22 | 19°31 | 2°56 | 11° 6 | 23°26 | 26° 7 | 27°36 | 11°58 | 7° 2 | T 25 |
| F 26 | 12 46 30 | 13°32'20 | 17° 2 | 24°26 | 2° 0 | 8°12 | 1°15 | 19°29 | 2°54 | 11° 8 | 23°27 | 26° 0 | 27°32 | 12° 4 | 7° 5 | F 26 |
| S 27 | 12 50 26 | 14°31'07 | 0♈59 | 26° 8 | 3° 9 | 8°50 | 1° 8 | 19°27 | 2°51 | 11°10 | 23°29 | 25°53 | 27°29 | 12°11 | 7° 9 | S 27 |
| S 28 | 12 54 23 | 15°29'52 | 15°14 | 27°51 | 4°19 | 9°27 | 1° 1 | 19°26 | 2°49 | 11°12 | 23°30 | 25°47 | 27°26 | 12°18 | 7°13 | S 28 |
| M29 | 12 58 20 | 16°28'36 | 29°44 | 29°36 | 5°28 | 10° 4 | 0°53 | 19°24 | 2°47 | 11°14 | 23°31 | 25°43 | 27°23 | 12°24 | 7°16 | M29 |
| T 30 | 13 2 16 | 17°27'17 | 14♉21 | 1♈22 | 6°38 | 10°42 | 0°46 | 19°23 | 2°44 | 11°16 | 23°32 | 25°40 | 27°20 | 12°31 | 7°20 | T 30 |
| W31 | 13 6 13 | 18♈25'56 | 28♉59 | 3♈11 | 7♓48 | 11♊19 | 0♏39 | 19♎21 | 2♏42 | 11♉18 | 23♉33 | 25°D40 | 27♉17 | 12♐38 | 7♈23 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 4s25 | 5n13 | 3s 3 | 14s59 | 0s34 | 18s14 | 1n13 | 19n35 | 1n 7 | 11s23 | 1n26 | 16n10 | 1n37 | 12s19 | 0n31 | 13n18 | 1s47 | 6n12 | 12s48 | 19n41 | 19n58 | 22s51 | 4n 7 | 2n 4 | |
| T 2 | 4 2 | 11 17 | 1 58 | 14 51 | 0 44 | 18 3 | 1 8 | 19 45 | 1 8 | 11 21 | 1 27 | 16 11 | 1 37 | 12 19 | 0 31 | 13 18 | 1 47 | 6 12 | 12 48 | 19 40 | 19 58 | 22 53 | 4 9 | 2 4 | |
| W 3 | 3 38 | 16 47 | 0 45 | 14 41 | 0 54 | 17 51 | 1 3 | 19 54 | 1 8 | 11 20 | 1 27 | 16 12 | 1 37 | 12 18 | 0 31 | 13 19 | 1 47 | 6 13 | 12 48 | 19 40 | 19 57 | 22 54 | 4 10 | 2 4 | |
| T 4 | 3 15 | 21 21 | 0n30 | 14 31 | 1 3 | 17 40 | 0 58 | 20 4 | 1 8 | 11 18 | 1 27 | 16 13 | 1 37 | 12 18 | 0 31 | 13 19 | 1 46 | 6 13 | 12 48 | 19 40 | 19 56 | 22 56 | 4 11 | 2 4 | |
| F 5 | 2 51 | 24 38 | 1 44 | 14 18 | 1 12 | 17 27 | 0 53 | 20 13 | 1 9 | 11 17 | 1 27 | 16 14 | 1 37 | 12 17 | 0 31 | 13 20 | 1 46 | 6 13 | 12 47 | 19 40 | 19 56 | 22 58 | 4 13 | 2 4 | |
| S 6 | 2 27 | 26 21 | 2 50 | 14 4 | 1 20 | 17 14 | 0 48 | 20 23 | 1 9 | 11 15 | 1 27 | 16 16 | 1 37 | 12 16 | 0 31 | 13 20 | 1 46 | 6 14 | 12 47 | 19 40 | 19 55 | 23 0 | 4 14 | 2 4 | |
| S 7 | 2 4 | 26 23 | 3 46 | 13 48 | 1 28 | 17 1 | 0 44 | 20 32 | 1 9 | 11 13 | 1 27 | 16 17 | 1 36 | 12 16 | 0 31 | 13 21 | 1 46 | 6 14 | 12 47 | 19 39 | 19 54 | 23 2 | 4 15 | 2 4 | |
| M 8 | 1 40 | 24 45 | 4 29 | 13 31 | 1 35 | 16 47 | 0 39 | 20 41 | 1 10 | 11 12 | 1 27 | 16 18 | 1 36 | 12 15 | 0 31 | 13 21 | 1 46 | 6 15 | 12 46 | 19 38 | 19 53 | 23 4 | 4 17 | 2 4 | |
| T 9 | 1 16 | 21 40 | 4 55 | 13 12 | 1 42 | 16 33 | 0 34 | 20 50 | 1 10 | 11 10 | 1 28 | 16 19 | 1 36 | 12 15 | 0 31 | 13 22 | 1 46 | 6 15 | 12 46 | 19 37 | 19 53 | 23 5 | 4 18 | 2 4 | |
| W10 | 0 53 | 17 26 | 5 4 | 12 52 | 1 48 | 16 18 | 0 30 | 20 58 | 1 10 | 11 8 | 1 28 | 16 20 | 1 36 | 12 14 | 0 31 | 13 23 | 1 46 | 6 16 | 12 46 | 19 35 | 19 52 | 23 7 | 4 19 | 2 3 | |
| T 11 | 0 29 | 12 23 | 4 56 | 12 31 | 1 54 | 16 3 | 0 25 | 21 7 | 1 10 | 11 6 | 1 28 | 16 21 | 1 36 | 12 13 | 0 31 | 13 23 | 1 46 | 6 16 | 12 46 | 19 32 | 19 51 | 23 9 | 4 21 | 2 3 | |
| F 12 | 0 6 | 6 51 | 4 33 | 12 8 | 2 0 | 15 47 | 0 20 | 21 15 | 1 11 | 11 4 | 1 28 | 16 22 | 1 36 | 12 13 | 0 31 | 13 24 | 1 46 | 6 17 | 12 45 | 19 30 | 19 51 | 23 11 | 4 22 | 2 3 | |
| S 13 | 0n18 | 1 7 | 3 55 | 11 43 | 2 4 | 15 31 | 0 16 | 21 24 | 1 11 | 11 2 | 1 28 | 16 23 | 1 36 | 12 12 | 0 31 | 13 24 | 1 46 | 6 17 | 12 45 | 19 28 | 19 50 | 23 13 | 4 24 | 2 3 | |
| S 14 | 0 42 | 4s33 | 3 7 | 11 18 | 2 9 | 15 14 | 0 12 | 21 32 | 1 11 | 11 0 | 1 28 | 16 24 | 1 36 | 12 11 | 0 31 | 13 25 | 1 46 | 6 17 | 12 45 | 19 26 | 19 49 | 23 15 | 4 25 | 2 3 | |
| M15 | 1 5 | 9 57 | 2 10 | 10 50 | 2 13 | 14 57 | 0 7 | 21 40 | 1 11 | 10 58 | 1 28 | 16 25 | 1 36 | 12 11 | 0 31 | 13 26 | 1 46 | 6 18 | 12 45 | 19 25 | 19 49 | 23 16 | 4 26 | 2 3 | |
| T 16 | 1 29 | 14 52 | 1 8 | 10 22 | 2 16 | 14 39 | 0 3 | 21 48 | 1 12 | 10 56 | 1 28 | 16 26 | 1 36 | 12 10 | 0 31 | 13 26 | 1 46 | 6 18 | 12 44 | 19 24 | 19 48 | 23 18 | 4 28 | 2 3 | |
| W17 | 1 52 | 19 8 | 0 4 | 9 52 | 2 19 | 14 21 | 0s 1 | 21 55 | 1 12 | 10 54 | 1 29 | 16 26 | 1 36 | 12 9 | 0 31 | 13 27 | 1 46 | 6 19 | 12 44 | 19 24 | 19 47 | 23 20 | 4 29 | 2 3 | |
| T 18 | 2 16 | 22 35 | 0s59 | 9 21 | 2 22 | 14 3 | 0 5 | 22 3 | 1 12 | 10 52 | 1 29 | 16 27 | 1 36 | 12 8 | 0 31 | 13 27 | 1 46 | 6 19 | 12 44 | 19 24 | 19 46 | 23 22 | 4 30 | 2 3 | |
| F 19 | 2 39 | 25 5 | 2 0 | 8 48 | 2 24 | 13 44 | 0 9 | 22 10 | 1 12 | 10 50 | 1 29 | 16 28 | 1 36 | 12 8 | 0 31 | 13 28 | 1 46 | 6 20 | 12 44 | 19 24 | 19 46 | 23 24 | 4 32 | 2 3 | |
| S 20 | 3 3 | 26 27 | 2 56 | 8 15 | 2 26 | 13 25 | 0 13 | 22 18 | 1 12 | 10 47 | 1 29 | 16 29 | 1 36 | 12 7 | 0 31 | 13 29 | 1 46 | 6 20 | 12 44 | 19 25 | 19 45 | 23 25 | 4 33 | 2 3 | |
| S 21 | 3 26 | 26 37 | 3 45 | 7 39 | 2 27 | 13 5 | 0 17 | 22 25 | 1 13 | 10 45 | 1 29 | 16 29 | 1 36 | 12 6 | 0 31 | 13 29 | 1 46 | 6 21 | 12 43 | 19 25 | 19 44 | 23 27 | 4 35 | 2 3 | |
| M22 | 3 49 | 25 31 | 4 25 | 7 3 | 2 27 | 12 45 | 0 21 | 22 31 | 1 13 | 10 43 | 1 29 | 16 30 | 1 36 | 12 5 | 0 31 | 13 30 | 1 46 | 6 21 | 12 43 | 19 24 | 19 44 | 23 29 | 4 36 | 2 3 | |
| T 23 | 4 13 | 23 10 | 4 53 | 6 26 | 2 27 | 12 25 | 0 25 | 22 38 | 1 13 | 10 40 | 1 29 | 16 31 | 1 36 | 12 5 | 0 31 | 13 31 | 1 46 | 6 21 | 12 43 | 19 23 | 19 43 | 23 31 | 4 37 | 2 3 | |
| W24 | 4 36 | 19 37 | 5 7 | 5 47 | 2 27 | 12 4 | 0 29 | 22 45 | 1 13 | 10 38 | 1 29 | 16 31 | 1 36 | 12 4 | 0 31 | 13 31 | 1 46 | 6 22 | 12 43 | 19 22 | 19 42 | 23 32 | 4 39 | 2 2 | |
| T 25 | 4 59 | 15 1 | 5 7 | 5 7 | 2 26 | 11 43 | 0 32 | 22 51 | 1 13 | 10 36 | 1 29 | 16 32 | 1 36 | 12 3 | 0 31 | 13 32 | 1 46 | 6 22 | 12 43 | 19 21 | 19 41 | 23 34 | 4 40 | 2 2 | |
| F 26 | 5 22 | 9 34 | 4 49 | 4 26 | 2 24 | 11 21 | 0 36 | 22 58 | 1 14 | 10 33 | 1 29 | 16 32 | 1 36 | 12 2 | 0 31 | 13 33 | 1 46 | 6 23 | 12 42 | 19 19 | 19 41 | 23 36 | 4 42 | 2 2 | |
| S 27 | 5 45 | 3 29 | 4 13 | 3 43 | 2 22 | 11 0 | 0 39 | 23 4 | 1 14 | 10 31 | 1 29 | 16 33 | 1 36 | 12 1 | 0 31 | 13 33 | 1 46 | 6 23 | 12 42 | 19 17 | 19 40 | 23 38 | 4 43 | 2 2 | |
| S 28 | 6 7 | 2n55 | 3 22 | 3 0 | 2 20 | 10 37 | 0 43 | 23 10 | 1 14 | 10 28 | 1 29 | 16 33 | 1 35 | 12 1 | 0 31 | 13 34 | 1 46 | 6 24 | 12 42 | 19 16 | 19 39 | 23 39 | 4 44 | 2 2 | |
| M29 | 6 30 | 9 17 | 2 16 | 2 15 | 2 17 | 10 15 | 0 46 | 23 15 | 1 14 | 10 26 | 1 29 | 16 34 | 1 35 | 12 0 | 0 31 | 13 35 | 1 46 | 6 24 | 12 42 | 19 15 | 19 38 | 23 41 | 4 46 | 2 2 | |
| T 30 | 6 52 | 15 13 | 1 1 | 1 29 | 2 13 | 9 52 | 0 49 | 23 21 | 1 14 | 10 23 | 1 29 | 16 34 | 1 35 | 11 59 | 0 31 | 13 35 | 1 46 | 6 25 | 12 42 | 19 15 | 19 38 | 23 43 | 4 47 | 2 2 | |
| W31 | 7n15 | 20n18 | 0n18 | 0s43 | 2s 9 | 9s29 | 0s53 | 23n26 | 1n14 | 10s21 | 1n29 | 16n34 | 1n35 | 11s58 | 0n31 | 13n36 | 1s45 | 6n25 | 12s41 | 19n14 | 19n37 | 23s44 | 4n49 | 2n 2 | |

Julian Day Number = 2228449.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'10, Lahiri = 15°20'11 Julian Calendar 1 March 1389 == Greg. Calendar 9 March 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## APRIL 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 10 9 | 19♈24'33 | 13♊32 | 5♈ 0 | 8♓58 | 11♊57 | 0°R32 | 19°R20 | 2°R39 | 11♉20 | 23♉34 | 25♉41 | 27♉13 | 12♐44 | 7♈27 | T 1 |
| F 2 | 13 14 6 | 20°23'08 | 27°57 | 6°51 | 10° 7 | 12°34 | 0♏24 | 19♎19 | 2♏37 | 11°22 | 23°35 | 25°42 | 27°10 | 12°51 | 7°31 | F 2 |
| S 3 | 13 18 2 | 21°21'40 | 12♋ 9 | 8°44 | 11°17 | 13°11 | 0°17 | 19°18 | 2°34 | 11°24 | 23°36 | 25°43 | 27° 7 | 12°58 | 7°34 | S 3 |
| S 4 | 13 21 59 | 22°20'11 | 26° 8 | 10°39 | 12°27 | 13°49 | 0° 9 | 19°17 | 2°32 | 11°27 | 23°38 | 25°R44 | 27° 4 | 13° 4 | 7°38 | S 4 |
| M 5 | 13 25 55 | 23°18'39 | 9♎53 | 12°35 | 13°37 | 14°26 | 0° 2 | 19°16 | 2°29 | 11°29 | 23°39 | 25°43 | 27° 1 | 13°11 | 7°41 | M 5 |
| T 6 | 13 29 52 | 24°17'04 | 23°24 | 14°32 | 14°47 | 15° 4 | 29♎54 | 19°15 | 2°27 | 11°31 | 23°40 | 25°40 | 26°57 | 13°18 | 7°45 | T 6 |
| W 7 | 13 33 49 | 25°15'28 | 6♏41 | 16°32 | 15°58 | 15°41 | 29°47 | 19°15 | 2°24 | 11°33 | 23°41 | 25°36 | 26°54 | 13°24 | 7°49 | W 7 |
| T 8 | 13 37 45 | 26°13'49 | 19°43 | 18°32 | 17° 8 | 16°19 | 29°39 | 19°14 | 2°22 | 11°35 | 23°42 | 25°32 | 26°51 | 13°31 | 7°52 | T 8 |
| F 9 | 13 41 42 | 27°12'09 | 2♎33 | 20°35 | 18°18 | 16°56 | 29°31 | 19°14 | 2°19 | 11°37 | 23°44 | 25°27 | 26°48 | 13°37 | 7°56 | F 9 |
| S 10 | 13 45 38 | 28°10'26 | 15° 9 | 22°38 | 19°28 | 17°33 | 29°24 | 19°13 | 2°17 | 11°40 | 23°45 | 25°23 | 26°45 | 13°44 | 7°59 | S 10 |
| S 11 | 13 49 35 | 29° 8'42 | 27°33 | 24°43 | 20°39 | 18°11 | 29°16 | 19°13 | 2°14 | 11°42 | 23°46 | 25°19 | 26°42 | 13°51 | 8° 3 | S 11 |
| M12 | 13 53 31 | 0♉ 6'56 | 9♏46 | 26°49 | 21°49 | 18°48 | 29° 8 | 19°D13 | 2°12 | 11°44 | 23°47 | 25°17 | 26°38 | 13°57 | 8° 6 | M12 |
| T 13 | 13 57 28 | 1° 5'08 | 21°48 | 28°57 | 23° 0 | 19°26 | 29° 1 | 19°13 | 2° 9 | 11°46 | 23°49 | 25°D16 | 26°35 | 14° 4 | 8°10 | T 13 |
| W14 | 14 1 24 | 2° 3'18 | 3♐43 | 1♉ 5 | 24°10 | 20° 3 | 28°53 | 19°13 | 2° 7 | 11°48 | 23°50 | 25°16 | 26°32 | 14°11 | 8°13 | W14 |
| T 15 | 14 5 21 | 3° 1'27 | 15°33 | 3°14 | 25°21 | 20°40 | 28°45 | 19°13 | 2° 4 | 11°51 | 23°51 | 25°17 | 26°29 | 14°17 | 8°16 | T 15 |
| F 16 | 14 9 18 | 3°59'35 | 27°21 | 5°23 | 26°31 | 21°18 | 28°38 | 19°14 | 2° 2 | 11°53 | 23°53 | 25°19 | 26°26 | 14°24 | 8°20 | F 16 |
| S 17 | 14 13 14 | 4°57'40 | 9♑12 | 7°33 | 27°42 | 21°55 | 28°30 | 19°14 | 1°59 | 11°55 | 23°54 | 25°21 | 26°22 | 14°31 | 8°23 | S 17 |
| S 18 | 14 17 11 | 5°55'45 | 21° 9 | 9°43 | 28°53 | 22°33 | 28°23 | 19°15 | 1°57 | 11°57 | 23°55 | 25°22 | 26°19 | 14°37 | 8°27 | S 18 |
| M19 | 14 21 7 | 6°53'48 | 3♒17 | 11°53 | 0♈ 4 | 23°10 | 28°15 | 19°15 | 1°54 | 12° 0 | 23°56 | 25°R22 | 26°16 | 14°44 | 8°30 | M19 |
| T 20 | 14 25 4 | 7°51'49 | 15°41 | 14° 2 | 1°14 | 23°47 | 28° 8 | 19°16 | 1°52 | 12° 2 | 23°58 | 25°22 | 26°13 | 14°51 | 8°33 | T 20 |
| W21 | 14 29 0 | 8°49'49 | 28°25 | 16°10 | 2°25 | 24°25 | 28° 0 | 19°17 | 1°49 | 12° 4 | 23°59 | 25°21 | 26°10 | 14°57 | 8°36 | W21 |
| T 22 | 14 32 57 | 9°47'48 | 11♓33 | 18°18 | 3°36 | 25° 2 | 27°53 | 19°18 | 1°47 | 12° 6 | 24° 0 | 25°20 | 26° 7 | 15° 4 | 8°40 | T 22 |
| F 23 | 14 36 53 | 10°45'45 | 25° 6 | 20°24 | 4°47 | 25°40 | 27°45 | 19°19 | 1°44 | 12° 9 | 24° 2 | 25°18 | 26° 3 | 15°11 | 8°43 | F 23 |
| S 24 | 14 40 50 | 11°43'41 | 9♈ 6 | 22°28 | 5°58 | 26°17 | 27°38 | 19°20 | 1°42 | 12°11 | 24° 3 | 25°16 | 26° 0 | 15°17 | 8°46 | S 24 |
| S 25 | 14 44 46 | 12°41'36 | 23°29 | 24°30 | 7° 9 | 26°55 | 27°31 | 19°21 | 1°39 | 12°13 | 24° 4 | 25°15 | 25°57 | 15°24 | 8°49 | S 25 |
| M26 | 14 48 43 | 13°39'29 | 8♉12 | 26°31 | 8°20 | 27°32 | 27°24 | 19°23 | 1°37 | 12°15 | 24° 6 | 25°14 | 25°54 | 15°31 | 8°53 | M26 |
| T 27 | 14 52 40 | 14°37'21 | 23° 8 | 28°29 | 9°31 | 28° 9 | 27°17 | 19°24 | 1°34 | 12°18 | 24° 7 | 25°D13 | 25°51 | 15°37 | 8°56 | T 27 |
| W28 | 14 56 36 | 15°35'11 | 8♊ 8 | 0♊24 | 10°43 | 28°47 | 27°10 | 19°26 | 1°32 | 12°20 | 24° 8 | 25°14 | 25°48 | 15°44 | 8°59 | W28 |
| T 29 | 15 0 33 | 16°33'00 | 23° 5 | 2°17 | 11°54 | 29°24 | 27° 3 | 19°28 | 1°29 | 12°22 | 24°10 | 25°14 | 25°44 | 15°51 | 9° 2 | T 29 |
| F 30 | 15 4 29 | 17♉30'47 | 7♋50 | 4♊ 7 | 13♈ 5 | 0♋ 2 | 26♎56 | 19♎29 | 1♏27 | 12♉24 | 24♉11 | 25♉15 | 25♉41 | 15♐57 | 9♈ 5 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 7n37 | 24n 5 | 1n36 | 0n 5 | 2s 5 | 9s 6 | 0s56 | 23n32 | 1n14 | 10s18 | 1n29 | 16n35 | 1n35 | 11s57 | 0n31 | 13n37 | 1s45 | 6n25 | 12s41 | 19n15 | 19n36 | 23s46 | 4n50 | 2n | 2 |
| F 2 | 7 59 | 26 17 | 2 47 | 0 54 | 2 0 | 8 42 | 0 59 | 23 37 | 1 15 | 10 15 | 1 29 | 16 35 | 1 35 | 11 56 | 0 31 | 13 37 | 1 45 | 6 26 | 12 41 | 19 15 | 19 36 | 23 48 | 4 51 | 2 | 2 |
| S 3 | 8 21 | 26 44 | 3 47 | 1 44 | 1 54 | 8 18 | 1 2 | 23 42 | 1 15 | 10 13 | 1 29 | 16 35 | 1 35 | 11 56 | 0 31 | 13 38 | 1 45 | 6 26 | 12 41 | 19 15 | 19 35 | 23 50 | 4 53 | 2 | 2 |
| S 4 | 8 43 | 25 27 | 4 32 | 2 34 | 1 48 | 7 54 | 1 5 | 23 46 | 1 15 | 10 10 | 1 29 | 16 36 | 1 35 | 11 55 | 0 31 | 13 39 | 1 45 | 6 27 | 12 41 | 19 15 | 19 34 | 23 51 | 4 54 | 2 | 2 |
| M 5 | 9 5 | 22 39 | 5 1 | 3 26 | 1 42 | 7 30 | 1 7 | 23 51 | 1 15 | 10 7 | 1 29 | 16 36 | 1 35 | 11 54 | 0 31 | 13 39 | 1 45 | 6 27 | 12 40 | 19 15 | 19 33 | 23 53 | 4 56 | 2 | 2 |
| T 6 | 9 27 | 18 40 | 5 12 | 4 18 | 1 35 | 7 5 | 1 10 | 23 55 | 1 15 | 10 5 | 1 29 | 16 36 | 1 35 | 11 53 | 0 31 | 13 40 | 1 45 | 6 28 | 12 40 | 19 14 | 19 33 | 23 55 | 4 57 | 2 | 2 |
| W 7 | 9 48 | 13 50 | 5 7 | 5 11 | 1 27 | 6 40 | 1 13 | 24 0 | 1 15 | 10 2 | 1 29 | 16 36 | 1 35 | 11 52 | 0 31 | 13 41 | 1 45 | 6 28 | 12 40 | 19 14 | 19 32 | 23 56 | 4 58 | 2 | 2 |
| T 8 | 10 10 | 8 27 | 4 45 | 6 4 | 1 19 | 6 15 | 1 15 | 24 4 | 1 15 | 10 0 | 1 29 | 16 36 | 1 35 | 11 51 | 0 31 | 13 41 | 1 45 | 6 29 | 12 40 | 19 12 | 19 31 | 23 58 | 5 0 | 2 | 2 |
| F 9 | 10 31 | 2 48 | 4 10 | 6 58 | 1 11 | 5 50 | 1 18 | 24 8 | 1 15 | 9 57 | 1 29 | 16 36 | 1 35 | 11 50 | 0 31 | 13 42 | 1 45 | 6 29 | 12 40 | 19 11 | 19 30 | 24 0 | 5 1 | 2 | 2 |
| S 10 | 10 52 | 2s52 | 3 23 | 7 53 | 1 2 | 5 24 | 1 20 | 24 11 | 1 16 | 9 54 | 1 29 | 16 36 | 1 34 | 11 50 | 0 31 | 13 43 | 1 45 | 6 29 | 12 40 | 19 10 | 19 30 | 24 1 | 5 2 | 2 | 2 |
| S 11 | 11 12 | 8 21 | 2 26 | 8 47 | 0 53 | 4 59 | 1 22 | 24 15 | 1 16 | 9 52 | 1 29 | 16 36 | 1 34 | 11 49 | 0 31 | 13 43 | 1 45 | 6 30 | 12 40 | 19 9 | 19 29 | 24 3 | 5 4 | 2 | 2 |
| M12 | 11 33 | 13 27 | 1 24 | 9 42 | 0 43 | 4 33 | 1 24 | 24 18 | 1 16 | 9 49 | 1 29 | 16 36 | 1 34 | 11 48 | 0 31 | 13 44 | 1 45 | 6 30 | 12 39 | 19 9 | 19 28 | 24 5 | 5 5 | 2 | 2 |
| T 13 | 11 53 | 17 58 | 0 19 | 10 37 | 0 33 | 4 7 | 1 26 | 24 21 | 1 16 | 9 46 | 1 29 | 16 36 | 1 34 | 11 47 | 0 31 | 13 45 | 1 45 | 6 31 | 12 39 | 19 9 | 19 27 | 24 6 | 5 6 | 2 | 2 |
| W14 | 12 14 | 21 44 | 0s46 | 11 32 | 0 23 | 3 41 | 1 28 | 24 24 | 1 16 | 9 44 | 1 29 | 16 36 | 1 34 | 11 46 | 0 31 | 13 46 | 1 45 | 6 31 | 12 39 | 19 9 | 19 27 | 24 8 | 5 8 | 2 | 2 |
| T 15 | 12 34 | 24 33 | 1 50 | 12 26 | 0 13 | 3 14 | 1 30 | 24 27 | 1 16 | 9 41 | 1 29 | 16 36 | 1 34 | 11 45 | 0 31 | 13 46 | 1 45 | 6 31 | 12 39 | 19 9 | 19 26 | 24 9 | 5 9 | 2 | 2 |
| F 16 | 12 54 | 26 18 | 2 48 | 13 20 | 0 2 | 2 48 | 1 32 | 24 30 | 1 16 | 9 38 | 1 29 | 16 36 | 1 34 | 11 44 | 0 31 | 13 47 | 1 45 | 6 32 | 12 39 | 19 9 | 19 25 | 24 11 | 5 10 | 2 | 2 |
| S 17 | 13 13 | 26 51 | 3 39 | 14 13 | 0n 8 | 2 21 | 1 34 | 24 32 | 1 16 | 9 36 | 1 29 | 16 35 | 1 34 | 11 43 | 0 31 | 13 48 | 1 45 | 6 32 | 12 39 | 19 10 | 19 24 | 24 13 | 5 12 | 2 | 2 |
| S 18 | 13 33 | 26 10 | 4 22 | 15 5 | 0 19 | 1 54 | 1 36 | 24 35 | 1 16 | 9 33 | 1 29 | 16 35 | 1 34 | 11 43 | 0 31 | 13 48 | 1 45 | 6 33 | 12 39 | 19 10 | 19 24 | 24 14 | 5 13 | 2 | 2 |
| M19 | 13 52 | 24 14 | 4 53 | 15 55 | 0 30 | 1 28 | 1 37 | 24 37 | 1 16 | 9 30 | 1 29 | 16 35 | 1 34 | 11 42 | 0 31 | 13 49 | 1 45 | 6 33 | 12 39 | 19 10 | 19 23 | 24 16 | 5 14 | 2 | 1 |
| T 20 | 14 11 | 21 9 | 5 12 | 16 45 | 0 40 | 1 1 | 1 39 | 24 39 | 1 16 | 9 28 | 1 29 | 16 34 | 1 34 | 11 41 | 0 31 | 13 50 | 1 45 | 6 34 | 12 38 | 19 10 | 19 22 | 24 18 | 5 16 | 2 | 1 |
| W21 | 14 29 | 17 0 | 5 16 | 17 32 | 0 50 | 0 34 | 1 40 | 24 40 | 1 16 | 9 25 | 1 28 | 16 34 | 1 34 | 11 40 | 0 31 | 13 50 | 1 45 | 6 34 | 12 38 | 19 10 | 19 22 | 24 19 | 5 17 | 2 | 1 |
| T 22 | 14 48 | 11 56 | 5 4 | 18 18 | 1 0 | 0 7 | 1 41 | 24 42 | 1 16 | 9 23 | 1 28 | 16 34 | 1 33 | 11 39 | 0 31 | 13 51 | 1 45 | 6 34 | 12 38 | 19 10 | 19 21 | 24 21 | 5 18 | 2 | 1 |
| F 23 | 15 6 | 6 9 | 4 35 | 19 2 | 1 10 | 0n21 | 1 42 | 24 43 | 1 16 | 9 20 | 1 28 | 16 33 | 1 33 | 11 38 | 0 31 | 13 52 | 1 45 | 6 35 | 12 38 | 19 9 | 19 20 | 24 22 | 5 20 | 2 | 1 |
| S 24 | 15 24 | 0n 7 | 3 49 | 19 44 | 1 19 | 0 48 | 1 44 | 24 44 | 1 16 | 9 18 | 1 28 | 16 33 | 1 33 | 11 37 | 0 31 | 13 52 | 1 45 | 6 35 | 12 38 | 19 9 | 19 19 | 24 24 | 5 21 | 2 | 1 |
| S 25 | 15 42 | 6 34 | 2 47 | 20 23 | 1 28 | 1 15 | 1 45 | 24 45 | 1 16 | 9 15 | 1 28 | 16 32 | 1 33 | 11 37 | 0 31 | 13 53 | 1 45 | 6 36 | 12 38 | 19 8 | 19 19 | 24 25 | 5 22 | 2 | 1 |
| M26 | 16 0 | 12 49 | 1 33 | 21 0 | 1 36 | 1 42 | 1 45 | 24 46 | 1 16 | 9 13 | 1 28 | 16 32 | 1 33 | 11 36 | 0 31 | 13 54 | 1 45 | 6 36 | 12 38 | 19 8 | 19 18 | 24 27 | 5 23 | 2 | 1 |
| T 27 | 16 17 | 18 26 | 0 12 | 21 35 | 1 44 | 2 9 | 1 46 | 24 47 | 1 17 | 9 11 | 1 28 | 16 31 | 1 33 | 11 35 | 0 31 | 13 55 | 1 45 | 6 36 | 12 38 | 19 8 | 19 17 | 24 29 | 5 25 | 2 | 1 |
| W28 | 16 34 | 22 54 | 1n11 | 22 7 | 1 51 | 2 37 | 1 47 | 24 47 | 1 17 | 9 8 | 1 28 | 16 31 | 1 33 | 11 34 | 0 31 | 13 55 | 1 45 | 6 37 | 12 38 | 19 8 | 19 16 | 24 30 | 5 26 | 2 | 1 |
| T 29 | 16 50 | 25 49 | 2 29 | 22 36 | 1 57 | 3 4 | 1 48 | 24 48 | 1 17 | 9 6 | 1 27 | 16 30 | 1 33 | 11 33 | 0 31 | 13 56 | 1 45 | 6 37 | 12 38 | 19 8 | 19 15 | 24 32 | 5 27 | 2 | 1 |
| F 30 | 17n 7 | 26n52 | 3n35 | 23n 3 | 2n 3 | 3n31 | 1s48 | 24n48 | 1n17 | 9s 3 | 1n27 | 16n29 | 1n33 | 11s32 | 0n30 | 13n57 | 1s45 | 6n37 | 12s38 | 19n 8 | 19n15 | 24s33 | 5n28 | 2n | 1 |

Julian Day Number = 2228480.5, Delta T = 08m10s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'15, Lahiri = 15°20'15 Julian Calendar 1 Apr. 1389 == Greg. Calendar 9 Apr. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## MAY 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 8 26 | 18♉28'33 | 22♋19 | 5♊54 | 14♈16 | 0♋39 | 26°R49 | 19♌31 | 1°R24 | 12♉27 | 24♉12 | 25♉15 | 25♉38 | 16♐ 4 | 9♈ 8 | S 1 |
| S 2 | 15 12 22 | 19°26'16 | 6♌27 | 7°38 | 15°28 | 1°17 | 26♎43 | 19°33 | 1♏22 | 12°29 | 24°14 | 25°16 | 25°35 | 16°10 | 9°11 | S 2 |
| M 3 | 15 16 19 | 20°23'58 | 20°14 | 9°19 | 16°39 | 1°54 | 26°36 | 19°35 | 1°20 | 12°31 | 24°15 | 25°R16 | 25°32 | 16°17 | 9°14 | M 3 |
| T 4 | 15 20 16 | 21°21'39 | 3♍40 | 10°57 | 17°50 | 2°31 | 26°30 | 19°38 | 1°17 | 12°33 | 24°16 | 25°16 | 25°28 | 16°24 | 9°17 | T 4 |
| W 5 | 15 24 12 | 22°19'17 | 16°45 | 12°32 | 19° 2 | 3° 9 | 26°23 | 19°40 | 1°15 | 12°36 | 24°18 | 25°16 | 25°25 | 16°30 | 9°20 | W 5 |
| T 6 | 15 28 9 | 23°16'54 | 29°33 | 14° 3 | 20°13 | 3°46 | 26°17 | 19°42 | 1°13 | 12°38 | 24°19 | 25°15 | 25°22 | 16°37 | 9°23 | T 6 |
| F 7 | 15 32 5 | 24°14'30 | 12♎ 5 | 15°31 | 21°24 | 4°24 | 26°11 | 19°45 | 1°10 | 12°40 | 24°21 | 25°15 | 25°19 | 16°44 | 9°25 | F 7 |
| S 8 | 15 36 2 | 25°12'04 | 24°25 | 16°56 | 22°36 | 5° 1 | 26° 5 | 19°47 | 1° 8 | 12°42 | 24°22 | 25°D15 | 25°16 | 16°50 | 9°28 | S 8 |
| S 9 | 15 39 58 | 26° 9'37 | 6♏34 | 18°17 | 23°47 | 5°39 | 25°59 | 19°50 | 1° 6 | 12°44 | 24°23 | 25°15 | 25°13 | 16°57 | 9°31 | S 9 |
| M10 | 15 43 55 | 27° 7'09 | 18°34 | 19°35 | 24°59 | 6°16 | 25°54 | 19°53 | 1° 4 | 12°47 | 24°25 | 25°15 | 25° 9 | 17° 4 | 9°34 | M10 |
| T 11 | 15 47 51 | 28° 4'40 | 0♐29 | 20°50 | 26°10 | 6°53 | 25°48 | 19°56 | 1° 2 | 12°49 | 24°26 | 25°R15 | 25° 6 | 17°10 | 9°36 | T 11 |
| W12 | 15 51 48 | 29° 2'09 | 12°19 | 22° 1 | 27°22 | 7°31 | 25°43 | 19°59 | 1° 0 | 12°51 | 24°27 | 25°15 | 25° 3 | 17°17 | 9°39 | W12 |
| T 13 | 15 55 45 | 29°59'37 | 24° 7 | 23° 8 | 28°34 | 8° 8 | 25°37 | 20° 2 | 0°57 | 12°53 | 24°29 | 25°15 | 25° 0 | 17°24 | 9°42 | T 13 |
| F 14 | 15 59 41 | 0♊57'05 | 5♑57 | 24°12 | 29°45 | 8°46 | 25°32 | 20° 5 | 0°55 | 12°55 | 24°30 | 25°14 | 24°57 | 17°30 | 9°44 | F 14 |
| S 15 | 16 3 38 | 1°54'32 | 17°49 | 25°12 | 0♉57 | 9°23 | 25°27 | 20° 8 | 0°53 | 12°58 | 24°31 | 25°13 | 24°54 | 17°37 | 9°47 | S 15 |
| S 16 | 16 7 34 | 2°51'57 | 29°49 | 26° 9 | 2° 9 | 10° 0 | 25°22 | 20°11 | 0°51 | 13° 0 | 24°33 | 25°12 | 24°50 | 17°44 | 9°49 | S 16 |
| M17 | 16 11 31 | 3°49'22 | 11♒58 | 27° 1 | 3°20 | 10°38 | 25°18 | 20°15 | 0°49 | 13° 2 | 24°34 | 25°11 | 24°47 | 17°50 | 9°52 | M17 |
| T 18 | 16 15 27 | 4°46'47 | 24°22 | 27°50 | 4°32 | 11°15 | 25°13 | 20°18 | 0°47 | 13° 4 | 24°35 | 25°11 | 24°44 | 17°57 | 9°54 | T 18 |
| W19 | 16 19 24 | 5°44'10 | 7♓ 3 | 28°34 | 5°44 | 11°53 | 25° 9 | 20°22 | 0°45 | 13° 6 | 24°37 | 25°D11 | 24°41 | 18° 4 | 9°57 | W19 |
| T 20 | 16 23 20 | 6°41'33 | 20° 6 | 29°15 | 6°56 | 12°30 | 25° 5 | 20°26 | 0°43 | 13° 8 | 24°38 | 25°11 | 24°38 | 18°10 | 9°59 | T 20 |
| F 21 | 16 27 17 | 7°38'55 | 3♈33 | 29°51 | 8° 8 | 13° 8 | 25° 0 | 20°29 | 0°42 | 13°10 | 24°39 | 25°12 | 24°34 | 18°17 | 10° 1 | F 21 |
| S 22 | 16 31 14 | 8°36'17 | 17°26 | 0♋24 | 9°19 | 13°45 | 24°57 | 20°33 | 0°40 | 13°12 | 24°41 | 25°13 | 24°31 | 18°24 | 10° 4 | S 22 |
| S 23 | 16 35 10 | 9°33'38 | 1♉45 | 0°51 | 10°31 | 14°23 | 24°53 | 20°37 | 0°38 | 13°14 | 24°42 | 25°14 | 24°28 | 18°30 | 10° 6 | S 23 |
| M24 | 16 39 7 | 10°30'59 | 16°28 | 1°15 | 11°43 | 15° 0 | 24°49 | 20°41 | 0°36 | 13°16 | 24°43 | 25°14 | 24°25 | 18°37 | 10° 8 | M24 |
| T 25 | 16 43 3 | 11°28'19 | 1♊28 | 1°34 | 12°55 | 15°37 | 24°46 | 20°45 | 0°34 | 13°19 | 24°45 | 25°R15 | 24°22 | 18°44 | 10°10 | T 25 |
| W26 | 16 47 0 | 12°25'39 | 16°38 | 1°48 | 14° 7 | 16°15 | 24°42 | 20°49 | 0°33 | 13°21 | 24°46 | 25°14 | 24°19 | 18°50 | 10°12 | W26 |
| T 27 | 16 50 56 | 13°22'58 | 1♋49 | 1°58 | 15°19 | 16°52 | 24°39 | 20°54 | 0°31 | 13°23 | 24°47 | 25°12 | 24°15 | 18°57 | 10°14 | T 27 |
| F 28 | 16 54 53 | 14°20'16 | 16°51 | 2° 3 | 16°31 | 17°30 | 24°36 | 20°58 | 0°30 | 13°25 | 24°49 | 25°10 | 24°12 | 19° 4 | 10°17 | F 28 |
| S 29 | 16 58 49 | 15°17'33 | 1♌36 | 2°R 4 | 17°43 | 18° 7 | 24°34 | 21° 3 | 0°28 | 13°27 | 24°50 | 25° 7 | 24° 9 | 19°10 | 10°18 | S 29 |
| S 30 | 17 2 46 | 16°14'50 | 15°58 | 2° 0 | 18°56 | 18°45 | 24°31 | 21° 7 | 0°26 | 13°29 | 24°51 | 25° 5 | 24° 6 | 19°17 | 10°20 | S 30 |
| M31 | 17 6 43 | 17♊12'05 | 29♌53 | 1♋52 | 20♉ 8 | 19♋22 | 24♎29 | 21♌12 | 0♏25 | 13♉31 | 24♉53 | 25♉ 3 | 24♉ 3 | 19♐24 | 10♈22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n23 | 26n 3 | 4n27 | 23n27 | 2n 8 | 3n58 | 1s49 | 24n48 | 1n17 | 9s 1 | 1n27 | 16n29 | 1n33 | 11s32 | 0n30 | 13n57 | 1s45 | 6n38 | 12s38 | 19n 9 | 19n14 | 24s35 | 5n29 | 2n 1 |
| S 2 | 17 39 | 23 34 | 5 1 | 23 49 | 2 12 | 4 26 | 1 49 | 24 47 | 1 17 | 8 59 | 1 27 | 16 28 | 1 33 | 11 31 | 0 30 | 13 58 | 1 45 | 6 38 | 12 37 | 19 9 | 19 13 | 24 36 | 5 31 | 2 1 |
| M 3 | 17 54 | 19 47 | 5 16 | 24 9 | 2 15 | 4 53 | 1 50 | 24 47 | 1 17 | 8 57 | 1 27 | 16 27 | 1 32 | 11 30 | 0 30 | 13 59 | 1 45 | 6 39 | 12 37 | 19 9 | 19 12 | 24 38 | 5 32 | 2 1 |
| T 4 | 18 10 | 15 4 | 5 14 | 24 26 | 2 17 | 5 20 | 1 50 | 24 46 | 1 17 | 8 55 | 1 27 | 16 27 | 1 32 | 11 29 | 0 30 | 13 59 | 1 45 | 6 39 | 12 37 | 19 9 | 19 12 | 24 39 | 5 33 | 2 1 |
| W 5 | 18 25 | 9 47 | 4 56 | 24 40 | 2 19 | 5 47 | 1 50 | 24 46 | 1 17 | 8 53 | 1 26 | 16 26 | 1 32 | 11 28 | 0 30 | 14 0 | 1 45 | 6 39 | 12 37 | 19 9 | 19 11 | 24 41 | 5 34 | 2 1 |
| T 6 | 18 39 | 4 12 | 4 23 | 24 53 | 2 20 | 6 14 | 1 50 | 24 45 | 1 17 | 8 50 | 1 26 | 16 25 | 1 32 | 11 28 | 0 30 | 14 1 | 1 45 | 6 40 | 12 37 | 19 9 | 19 10 | 24 42 | 5 35 | 2 1 |
| F 7 | 18 54 | 1s27 | 3 38 | 25 3 | 2 20 | 6 40 | 1 50 | 24 43 | 1 17 | 8 48 | 1 26 | 16 24 | 1 32 | 11 27 | 0 30 | 14 1 | 1 45 | 6 40 | 12 37 | 19 9 | 19 9 | 24 44 | 5 36 | 2 1 |
| S 8 | 19 8 | 6 58 | 2 43 | 25 11 | 2 19 | 7 7 | 1 50 | 24 42 | 1 17 | 8 47 | 1 26 | 16 23 | 1 32 | 11 26 | 0 30 | 14 2 | 1 45 | 6 40 | 12 37 | 19 8 | 19 9 | 24 45 | 5 37 | 2 1 |
| S 9 | 19 21 | 12 9 | 1 42 | 25 17 | 2 17 | 7 34 | 1 50 | 24 40 | 1 17 | 8 45 | 1 26 | 16 22 | 1 32 | 11 25 | 0 30 | 14 3 | 1 45 | 6 41 | 12 37 | 19 9 | 19 8 | 24 47 | 5 39 | 2 1 |
| M10 | 19 35 | 16 49 | 0 37 | 25 21 | 2 15 | 8 0 | 1 50 | 24 39 | 1 17 | 8 43 | 1 25 | 16 21 | 1 32 | 11 25 | 0 30 | 14 3 | 1 45 | 6 41 | 12 37 | 19 9 | 19 7 | 24 48 | 5 40 | 2 1 |
| T 11 | 19 48 | 20 47 | 0s29 | 25 23 | 2 11 | 8 26 | 1 49 | 24 37 | 1 17 | 8 41 | 1 25 | 16 20 | 1 32 | 11 24 | 0 30 | 14 4 | 1 45 | 6 41 | 12 37 | 19 9 | 19 6 | 24 50 | 5 41 | 2 1 |
| W12 | 20 1 | 23 53 | 1 33 | 25 23 | 2 7 | 8 53 | 1 49 | 24 35 | 1 17 | 8 39 | 1 25 | 16 19 | 1 32 | 11 23 | 0 30 | 14 5 | 1 45 | 6 42 | 12 37 | 19 8 | 19 6 | 24 51 | 5 42 | 2 1 |
| T 13 | 20 13 | 25 57 | 2 34 | 25 22 | 2 2 | 9 19 | 1 48 | 24 33 | 1 17 | 8 37 | 1 25 | 16 18 | 1 32 | 11 22 | 0 30 | 14 5 | 1 45 | 6 42 | 12 37 | 19 8 | 19 5 | 24 53 | 5 43 | 2 1 |
| F 14 | 20 25 | 26 50 | 3 27 | 25 19 | 1 56 | 9 44 | 1 48 | 24 30 | 1 16 | 8 36 | 1 24 | 16 17 | 1 31 | 11 22 | 0 30 | 14 6 | 1 45 | 6 42 | 12 37 | 19 8 | 19 4 | 24 54 | 5 44 | 2 1 |
| S 15 | 20 37 | 26 30 | 4 12 | 25 15 | 1 49 | 10 10 | 1 47 | 24 27 | 1 16 | 8 34 | 1 24 | 16 16 | 1 31 | 11 21 | 0 30 | 14 6 | 1 45 | 6 43 | 12 37 | 19 8 | 19 3 | 24 55 | 5 45 | 2 2 |
| S 16 | 20 48 | 24 55 | 4 47 | 25 9 | 1 42 | 10 35 | 1 47 | 24 25 | 1 16 | 8 33 | 1 24 | 16 15 | 1 31 | 11 20 | 0 30 | 14 7 | 1 45 | 6 43 | 12 37 | 19 8 | 19 2 | 24 57 | 5 46 | 2 2 |
| M17 | 20 59 | 22 12 | 5 9 | 25 2 | 1 33 | 11 1 | 1 46 | 24 22 | 1 16 | 8 31 | 1 24 | 16 14 | 1 31 | 11 20 | 0 30 | 14 8 | 1 45 | 6 43 | 12 37 | 19 8 | 19 2 | 24 58 | 5 47 | 2 2 |
| T 18 | 21 10 | 18 25 | 5 17 | 24 54 | 1 24 | 11 26 | 1 45 | 24 19 | 1 16 | 8 30 | 1 24 | 16 12 | 1 31 | 11 19 | 0 30 | 14 8 | 1 45 | 6 43 | 12 37 | 19 7 | 19 1 | 25 0 | 5 48 | 2 2 |
| W19 | 21 20 | 13 45 | 5 10 | 24 45 | 1 14 | 11 51 | 1 44 | 24 15 | 1 16 | 8 28 | 1 23 | 16 11 | 1 31 | 11 18 | 0 30 | 14 9 | 1 45 | 6 44 | 12 37 | 19 7 | 19 0 | 25 1 | 5 49 | 2 2 |
| T 20 | 21 30 | 8 20 | 4 48 | 24 34 | 1 3 | 12 15 | 1 43 | 24 12 | 1 16 | 8 27 | 1 23 | 16 10 | 1 31 | 11 18 | 0 30 | 14 10 | 1 45 | 6 44 | 12 37 | 19 7 | 18 59 | 25 3 | 5 50 | 2 2 |
| F 21 | 21 40 | 2 23 | 4 9 | 24 23 | 0 52 | 12 39 | 1 42 | 24 8 | 1 16 | 8 26 | 1 23 | 16 9 | 1 31 | 11 17 | 0 30 | 14 10 | 1 45 | 6 44 | 12 37 | 19 8 | 18 59 | 25 4 | 5 51 | 2 2 |
| S 22 | 21 49 | 3n52 | 3 14 | 24 11 | 0 39 | 13 3 | 1 41 | 24 4 | 1 16 | 8 24 | 1 23 | 16 7 | 1 31 | 11 16 | 0 30 | 14 11 | 1 45 | 6 45 | 12 37 | 19 8 | 18 58 | 25 5 | 5 52 | 2 2 |
| S 23 | 21 58 | 10 9 | 2 6 | 23 57 | 0 26 | 13 27 | 1 40 | 24 0 | 1 16 | 8 23 | 1 22 | 16 6 | 1 31 | 11 16 | 0 30 | 14 11 | 1 45 | 6 45 | 12 37 | 19 8 | 18 57 | 25 7 | 5 53 | 2 2 |
| M24 | 22 6 | 16 2 | 0 48 | 23 44 | 0 13 | 13 50 | 1 38 | 23 56 | 1 16 | 8 22 | 1 22 | 16 5 | 1 31 | 11 15 | 0 30 | 14 12 | 1 45 | 6 45 | 12 37 | 19 8 | 18 56 | 25 8 | 5 53 | 2 2 |
| T 25 | 22 14 | 21 5 | 0n34 | 23 29 | 0s 1 | 14 14 | 1 37 | 23 52 | 1 16 | 8 21 | 1 22 | 16 3 | 1 31 | 11 15 | 0 30 | 14 13 | 1 46 | 6 45 | 12 37 | 19 8 | 18 56 | 25 10 | 5 54 | 2 2 |
| W26 | 22 22 | 24 46 | 1 56 | 23 14 | 0 16 | 14 36 | 1 36 | 23 47 | 1 16 | 8 20 | 1 22 | 16 2 | 1 31 | 11 14 | 0 30 | 14 13 | 1 46 | 6 46 | 12 37 | 19 8 | 18 55 | 25 11 | 5 55 | 2 2 |
| T 27 | 22 29 | 26 39 | 3 9 | 22 59 | 0 32 | 14 59 | 1 34 | 23 42 | 1 16 | 8 19 | 1 21 | 16 0 | 1 30 | 11 14 | 0 30 | 14 14 | 1 46 | 6 46 | 12 37 | 19 8 | 18 54 | 25 12 | 5 56 | 2 2 |
| F 28 | 22 36 | 26 33 | 4 8 | 22 43 | 0 48 | 15 21 | 1 33 | 23 37 | 1 16 | 8 19 | 1 21 | 15 59 | 1 30 | 11 13 | 0 30 | 14 14 | 1 46 | 6 46 | 12 37 | 19 7 | 18 53 | 25 14 | 5 57 | 2 2 |
| S 29 | 22 42 | 24 34 | 4 49 | 22 26 | 1 4 | 15 43 | 1 31 | 23 32 | 1 16 | 8 18 | 1 21 | 15 57 | 1 30 | 11 12 | 0 30 | 14 15 | 1 46 | 6 46 | 12 37 | 19 7 | 18 52 | 25 15 | 5 58 | 2 2 |
| S 30 | 22 48 | 21 3 | 5 11 | 22 10 | 1 20 | 16 4 | 1 30 | 23 27 | 1 16 | 8 17 | 1 21 | 15 56 | 1 30 | 11 12 | 0 30 | 14 15 | 1 46 | 6 47 | 12 38 | 19 6 | 18 52 | 25 16 | 5 58 | 2 2 |
| M31 | 22n54 | 16n27 | 5n14 | 21n53 | 1s37 | 16n25 | 1s28 | 23n22 | 1n16 | 8s16 | 1n20 | 15n54 | 1n30 | 11s11 | 0n30 | 14n16 | 1s46 | 6n47 | 12s38 | 19n 6 | 18n51 | 25s18 | 5n59 | 2n 2 |

Julian Day Number = 2228510.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'19, Lahiri = 15°20'19 Julian Calendar 1 May 1389 == Greg. Calendar 9 May 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## JUNE 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 10 39 | 18♊ 9'20 | 13♍21 | 1°R39 | 21♉20 | 20♋ 0 | 24°R27 | 21♌16 | 0°R24 | 13♉32 | 24♉54 | 25°D 2 | 24♉ 0 | 19♐30 | 10♈24 | T 1 |
| W 2 | 17 14 36 | 19° 6'34 | 26°25 | 1♋23 | 22°32 | 20°37 | 24♎24 | 21°21 | 0♏22 | 13°34 | 24°55 | 25♉ 3 | 23°56 | 19°37 | 10°26 | W 2 |
| T 3 | 17 18 32 | 20° 3'47 | 9♎ 6 | 1° 2 | 23°44 | 21°15 | 24°23 | 21°26 | 0°21 | 13°36 | 24°56 | 25° 4 | 23°53 | 19°44 | 10°28 | T 3 |
| F 4 | 17 22 29 | 21° 0'59 | 21°30 | 0°38 | 24°56 | 21°52 | 24°21 | 21°31 | 0°19 | 13°38 | 24°58 | 25° 5 | 23°50 | 19°50 | 10°29 | F 4 |
| S 5 | 17 26 25 | 21°58'11 | 3♏39 | 0°11 | 26° 9 | 22°30 | 24°19 | 21°36 | 0°18 | 13°40 | 24°59 | 25° 7 | 23°47 | 19°57 | 10°31 | S 5 |
| S 6 | 17 30 22 | 22°55'22 | 15°38 | 29♊42 | 27°21 | 23° 7 | 24°18 | 21°41 | 0°17 | 13°42 | 25° 0 | 25° 8 | 23°44 | 20° 3 | 10°33 | S 6 |
| M 7 | 17 34 18 | 23°52'33 | 27°31 | 29°10 | 28°33 | 23°45 | 24°17 | 21°46 | 0°16 | 13°44 | 25° 1 | 25°R 8 | 23°40 | 20°10 | 10°34 | M 7 |
| T 8 | 17 38 15 | 24°49'44 | 9♐20 | 28°36 | 29°46 | 24°22 | 24°16 | 21°51 | 0°15 | 13°46 | 25° 2 | 25° 7 | 23°37 | 20°17 | 10°36 | T 8 |
| W 9 | 17 42 12 | 25°46'54 | 21° 8 | 28° 1 | 0♊58 | 25° 0 | 24°15 | 21°56 | 0°14 | 13°47 | 25° 4 | 25° 5 | 23°34 | 20°23 | 10°37 | W 9 |
| T 10 | 17 46 8 | 26°44'04 | 2♑58 | 27°25 | 2°10 | 25°37 | 24°15 | 22° 2 | 0°13 | 13°49 | 25° 5 | 25° 1 | 23°31 | 20°30 | 10°39 | T 10 |
| F 11 | 17 50 5 | 27°41'14 | 14°51 | 26°50 | 3°23 | 26°15 | 24°14 | 22° 7 | 0°12 | 13°51 | 25° 6 | 24°56 | 23°28 | 20°37 | 10°40 | F 11 |
| S 12 | 17 54 1 | 28°38'23 | 26°50 | 26°15 | 4°35 | 26°52 | 24°14 | 22°12 | 0°11 | 13°53 | 25° 7 | 24°50 | 23°25 | 20°43 | 10°41 | S 12 |
| S 13 | 17 57 58 | 29°35'33 | 8♒56 | 25°41 | 5°48 | 27°30 | 24°D14 | 22°18 | 0°10 | 13°54 | 25° 8 | 24°44 | 23°21 | 20°50 | 10°42 | S 13 |
| M14 | 18 1 54 | 0♋32'43 | 21°12 | 25° 9 | 7° 0 | 28° 7 | 24°14 | 22°24 | 0° 9 | 13°56 | 25° 9 | 24°39 | 23°18 | 20°57 | 10°44 | M14 |
| T 15 | 18 5 51 | 1°29'52 | 3♓40 | 24°40 | 8°13 | 28°45 | 24°14 | 22°29 | 0° 8 | 13°58 | 25°11 | 24°35 | 23°15 | 21° 3 | 10°45 | T 15 |
| W16 | 18 9 48 | 2°27'02 | 16°22 | 24°13 | 9°25 | 29°22 | 24°15 | 22°35 | 0° 7 | 13°59 | 25°12 | 24°32 | 23°12 | 21°10 | 10°46 | W16 |
| T 17 | 18 13 44 | 3°24'13 | 29°22 | 23°50 | 10°38 | 29°59 | 24°15 | 22°41 | 0° 7 | 14° 1 | 25°13 | 24°D30 | 23° 9 | 21°17 | 10°47 | T 17 |
| F 18 | 18 17 41 | 4°21'23 | 12♈43 | 23°30 | 11°51 | 0♌38 | 24°16 | 22°47 | 0° 6 | 14° 2 | 25°14 | 24°31 | 23° 6 | 21°23 | 10°48 | F 18 |
| S 19 | 18 21 37 | 5°18'34 | 26°27 | 23°15 | 13° 3 | 1°15 | 24°17 | 22°52 | 0° 5 | 14° 4 | 25°15 | 24°32 | 23° 2 | 21°30 | 10°49 | S 19 |
| S 20 | 18 25 34 | 6°15'45 | 10♉35 | 23° 4 | 14°16 | 1°53 | 24°18 | 22°58 | 0° 5 | 14° 6 | 25°16 | 24°33 | 22°59 | 21°37 | 10°50 | S 20 |
| M21 | 18 29 30 | 7°12'57 | 25° 6 | 22°58 | 15°29 | 2°30 | 24°20 | 23° 4 | 0° 4 | 14° 7 | 25°17 | 24°R34 | 22°56 | 21°43 | 10°51 | M21 |
| T 22 | 18 33 27 | 8°10'09 | 9♊57 | 22°D56 | 16°41 | 3° 8 | 24°21 | 23°10 | 0° 4 | 14° 9 | 25°18 | 24°33 | 22°53 | 21°50 | 10°51 | T 22 |
| W23 | 18 37 23 | 9° 7'22 | 25° 2 | 23° 0 | 17°54 | 3°46 | 24°23 | 23°17 | 0° 4 | 14°10 | 25°19 | 24°30 | 22°50 | 21°57 | 10°52 | W23 |
| T 24 | 18 41 20 | 10° 4'35 | 10♋12 | 23° 9 | 19° 7 | 4°23 | 24°25 | 23°23 | 0° 3 | 14°12 | 25°20 | 24°25 | 22°46 | 22° 3 | 10°53 | T 24 |
| F 25 | 18 45 17 | 11° 1'48 | 25°19 | 23°23 | 20°20 | 5° 1 | 24°27 | 23°29 | 0° 3 | 14°13 | 25°21 | 24°19 | 22°43 | 22°10 | 10°54 | F 25 |
| S 26 | 18 49 13 | 11°59'01 | 10♌11 | 23°43 | 21°33 | 5°38 | 24°29 | 23°35 | 0° 3 | 14°14 | 25°22 | 24°12 | 22°40 | 22°17 | 10°54 | S 26 |
| S 27 | 18 53 10 | 12°56'15 | 24°41 | 24° 8 | 22°46 | 6°16 | 24°32 | 23°42 | 0° 2 | 14°16 | 25°23 | 24° 5 | 22°37 | 22°23 | 10°55 | S 27 |
| M28 | 18 57 6 | 13°53'28 | 8♍45 | 24°38 | 23°59 | 6°54 | 24°34 | 23°48 | 0° 2 | 14°17 | 25°24 | 23°59 | 22°34 | 22°30 | 10°55 | M28 |
| T 29 | 19 1 3 | 14°50'42 | 22°19 | 25°14 | 25°12 | 7°31 | 24°37 | 23°54 | 0° 2 | 14°18 | 25°25 | 23°55 | 22°31 | 22°37 | 10°56 | T 29 |
| W30 | 19 4 59 | 15♋47'55 | 5♎25 | 25♊55 | 26♊25 | 8♌ 9 | 24♎40 | 24♌ 1 | 0°D 2 | 14♉20 | 25♉26 | 23♉52 | 22♉27 | 22♐43 | 10♈56 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n59 | 11n10 | 4n59 | 21n37 | 1s54 | 16n46 | 1s26 | 23n16 | 1n15 | 8s16 | 1n20 | 15n53 | 1n30 | 11s11 | 0n30 | 14n17 | 1s46 | 6n47 | 12s38 | 19n 5 | 18n50 | 25s19 | 6n 0 | 2n 2 |
| W 2 | 23 4 | 5 33 | 4 29 | 21 20 | 2 10 | 17 6 | 1 24 | 23 10 | 1 15 | 8 15 | 1 20 | 15 51 | 1 30 | 11 11 | 0 30 | 14 17 | 1 46 | 6 47 | 12 38 | 19 5 | 18 49 | 25 20 | 6 1 | 2 2 |
| T 3 | 23 9 | 0s 9 | 3 47 | 21 4 | 2 27 | 17 26 | 1 23 | 23 4 | 1 15 | 8 15 | 1 19 | 15 50 | 1 30 | 11 10 | 0 30 | 14 18 | 1 46 | 6 47 | 12 38 | 19 6 | 18 48 | 25 22 | 6 1 | 2 2 |
| F 4 | 23 13 | 5 43 | 2 55 | 20 48 | 2 43 | 17 46 | 1 21 | 22 58 | 1 15 | 8 15 | 1 19 | 15 48 | 1 30 | 11 10 | 0 30 | 14 18 | 1 46 | 6 48 | 12 38 | 19 6 | 18 48 | 25 23 | 6 2 | 2 2 |
| S 5 | 23 17 | 10 58 | 1 55 | 20 33 | 2 59 | 18 5 | 1 19 | 22 52 | 1 15 | 8 14 | 1 19 | 15 46 | 1 30 | 11 9 | 0 30 | 14 19 | 1 46 | 6 48 | 12 38 | 19 6 | 18 47 | 25 24 | 6 3 | 2 2 |
| S 6 | 23 20 | 15 45 | 0 52 | 20 18 | 3 13 | 18 23 | 1 17 | 22 46 | 1 15 | 8 14 | 1 19 | 15 45 | 1 30 | 11 9 | 0 30 | 14 19 | 1 46 | 6 48 | 12 38 | 19 7 | 18 46 | 25 26 | 6 4 | 2 2 |
| M 7 | 23 23 | 19 53 | 0s13 | 20 3 | 3 28 | 18 41 | 1 15 | 22 39 | 1 15 | 8 14 | 1 18 | 15 43 | 1 30 | 11 8 | 0 30 | 14 20 | 1 46 | 6 48 | 12 38 | 19 7 | 18 45 | 25 27 | 6 4 | 2 2 |
| T 8 | 23 25 | 23 12 | 1 17 | 19 50 | 3 41 | 18 59 | 1 13 | 22 33 | 1 15 | 8 14 | 1 18 | 15 41 | 1 30 | 11 8 | 0 30 | 14 20 | 1 46 | 6 48 | 12 38 | 19 7 | 18 44 | 25 28 | 6 5 | 2 2 |
| W 9 | 23 27 | 25 31 | 2 18 | 19 37 | 3 53 | 19 16 | 1 11 | 22 26 | 1 15 | 8 14 | 1 18 | 15 39 | 1 30 | 11 8 | 0 30 | 14 21 | 1 46 | 6 49 | 12 38 | 19 6 | 18 44 | 25 29 | 6 5 | 2 2 |
| T 10 | 23 29 | 26 41 | 3 12 | 19 26 | 4 4 | 19 33 | 1 9 | 22 19 | 1 15 | 8 14 | 1 18 | 15 38 | 1 30 | 11 7 | 0 29 | 14 21 | 1 46 | 6 49 | 12 38 | 19 5 | 18 43 | 25 31 | 6 6 | 2 2 |
| F 11 | 23 30 | 26 39 | 3 59 | 19 15 | 4 14 | 19 49 | 1 6 | 22 11 | 1 14 | 8 14 | 1 17 | 15 36 | 1 30 | 11 7 | 0 29 | 14 22 | 1 46 | 6 49 | 12 39 | 19 4 | 18 42 | 25 32 | 6 7 | 2 2 |
| S 12 | 23 31 | 25 21 | 4 35 | 19 6 | 4 22 | 20 5 | 1 4 | 22 4 | 1 14 | 8 14 | 1 17 | 15 34 | 1 29 | 11 7 | 0 29 | 14 22 | 1 46 | 6 49 | 12 39 | 19 2 | 18 41 | 25 33 | 6 7 | 2 2 |
| S 13 | 23 31 | 22 54 | 4 59 | 18 58 | 4 29 | 20 20 | 1 2 | 21 57 | 1 14 | 8 14 | 1 17 | 15 32 | 1 29 | 11 7 | 0 29 | 14 23 | 1 46 | 6 49 | 12 39 | 19 1 | 18 41 | 25 35 | 6 8 | 2 2 |
| M14 | 23 31 | 19 22 | 5 10 | 18 52 | 4 34 | 20 34 | 1 0 | 21 49 | 1 14 | 8 15 | 1 16 | 15 30 | 1 29 | 11 6 | 0 29 | 14 23 | 1 46 | 6 49 | 12 39 | 19 0 | 18 40 | 25 36 | 6 8 | 2 2 |
| T 15 | 23 31 | 14 58 | 5 7 | 18 47 | 4 38 | 20 48 | 0 57 | 21 41 | 1 14 | 8 15 | 1 16 | 15 28 | 1 29 | 11 6 | 0 29 | 14 24 | 1 46 | 6 50 | 12 39 | 18 59 | 18 39 | 25 37 | 6 9 | 2 2 |
| W16 | 23 30 | 9 50 | 4 49 | 18 44 | 4 40 | 21 2 | 0 55 | 21 33 | 1 14 | 8 15 | 1 16 | 15 26 | 1 29 | 11 6 | 0 29 | 14 24 | 1 46 | 6 50 | 12 39 | 18 58 | 18 38 | 25 38 | 6 9 | 2 3 |
| T 17 | 23 29 | 4 9 | 4 16 | 18 42 | 4 41 | 21 15 | 0 53 | 21 25 | 1 14 | 8 16 | 1 16 | 15 24 | 1 29 | 11 6 | 0 29 | 14 24 | 1 46 | 6 50 | 12 39 | 18 58 | 18 37 | 25 39 | 6 10 | 2 3 |
| F 18 | 23 27 | 1n51 | 3 28 | 18 42 | 4 40 | 21 27 | 0 50 | 21 17 | 1 14 | 8 16 | 1 15 | 15 22 | 1 29 | 11 5 | 0 29 | 14 25 | 1 46 | 6 50 | 12 39 | 18 58 | 18 36 | 25 41 | 6 10 | 2 3 |
| S 19 | 23 25 | 7 58 | 2 27 | 18 43 | 4 38 | 21 39 | 0 48 | 21 9 | 1 13 | 8 17 | 1 15 | 15 20 | 1 29 | 11 5 | 0 29 | 14 25 | 1 46 | 6 50 | 12 40 | 18 58 | 18 36 | 25 42 | 6 10 | 2 3 |
| S 20 | 23 22 | 13 51 | 1 15 | 18 46 | 4 34 | 21 50 | 0 45 | 21 0 | 1 13 | 8 18 | 1 15 | 15 18 | 1 29 | 11 5 | 0 29 | 14 26 | 1 46 | 6 50 | 12 40 | 18 58 | 18 35 | 25 43 | 6 11 | 2 3 |
| M21 | 23 19 | 19 9 | 0n 3 | 18 51 | 4 29 | 22 1 | 0 43 | 20 51 | 1 13 | 8 19 | 1 14 | 15 16 | 1 29 | 11 5 | 0 29 | 14 26 | 1 46 | 6 50 | 12 40 | 18 58 | 18 34 | 25 44 | 6 11 | 2 3 |
| T 22 | 23 16 | 23 22 | 1 22 | 18 57 | 4 23 | 22 11 | 0 40 | 20 42 | 1 13 | 8 19 | 1 14 | 15 14 | 1 29 | 11 5 | 0 29 | 14 26 | 1 47 | 6 50 | 12 40 | 18 58 | 18 33 | 25 46 | 6 12 | 2 3 |
| W23 | 23 12 | 26 3 | 2 37 | 19 4 | 4 16 | 22 20 | 0 38 | 20 33 | 1 13 | 8 20 | 1 14 | 15 12 | 1 29 | 11 5 | 0 29 | 14 27 | 1 47 | 6 50 | 12 40 | 18 58 | 18 32 | 25 47 | 6 12 | 2 3 |
| T 24 | 23 8 | 26 48 | 3 41 | 19 13 | 4 8 | 22 29 | 0 35 | 20 24 | 1 13 | 8 21 | 1 14 | 15 10 | 1 29 | 11 5 | 0 29 | 14 27 | 1 47 | 6 50 | 12 40 | 18 56 | 18 32 | 25 48 | 6 12 | 2 3 |
| F 25 | 23 4 | 25 34 | 4 30 | 19 23 | 3 58 | 22 37 | 0 33 | 20 15 | 1 13 | 8 22 | 1 13 | 15 8 | 1 29 | 11 4 | 0 29 | 14 28 | 1 47 | 6 51 | 12 40 | 18 55 | 18 31 | 25 49 | 6 12 | 2 3 |
| S 26 | 22 59 | 22 32 | 4 59 | 19 34 | 3 48 | 22 45 | 0 30 | 20 6 | 1 12 | 8 23 | 1 13 | 15 6 | 1 29 | 11 4 | 0 29 | 14 28 | 1 47 | 6 51 | 12 41 | 18 53 | 18 30 | 25 50 | 6 13 | 2 3 |
| S 27 | 22 53 | 18 10 | 5 8 | 19 46 | 3 37 | 22 51 | 0 28 | 19 56 | 1 12 | 8 24 | 1 13 | 15 4 | 1 29 | 11 4 | 0 29 | 14 28 | 1 47 | 6 51 | 12 41 | 18 51 | 18 29 | 25 51 | 6 13 | 2 3 |
| M28 | 22 48 | 12 55 | 4 58 | 19 59 | 3 26 | 22 58 | 0 25 | 19 47 | 1 12 | 8 26 | 1 13 | 15 2 | 1 29 | 11 4 | 0 29 | 14 29 | 1 47 | 6 51 | 12 41 | 18 50 | 18 28 | 25 53 | 6 13 | 2 3 |
| T 29 | 22 41 | 7 12 | 4 31 | 20 13 | 3 14 | 23 3 | 0 23 | 19 37 | 1 12 | 8 27 | 1 12 | 15 0 | 1 29 | 11 4 | 0 29 | 14 29 | 1 47 | 6 51 | 12 41 | 18 49 | 18 28 | 25 54 | 6 13 | 2 3 |
| W30 | 22n35 | 1n22 | 3n51 | 20n27 | 3s 1 | 23n 8 | 0s20 | 19n27 | 1n12 | 8s28 | 1n12 | 14n57 | 1n29 | 11s 4 | 0n29 | 14n29 | 1s47 | 6n51 | 12s41 | 18n48 | 18n27 | 25s55 | 6n14 | 2n 3 |

Julian Day Number = 2228541.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'23, Lahiri = 15°20'23 Julian Calendar 1 June 1389 == Greg. Calendar 9 June 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## JULY 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 8 56 | 16♋45'09 | 18♎ 7 | 26♊41 | 27♊38 | 8♌47 | 24♎43 | 24♌ 7 | 0♏ 2 | 14♉21 | 25♉27 | 23°D52 | 22♉24 | 22♐50 | 10♈56 | T 1 |
| F 2 | 19 12 52 | 17°42'23 | 0♏28 | 27°33 | 28°51 | 9°24 | 24°46 | 24°14 | 0° 2 | 14°22 | 25°28 | 23♉52 | 22°21 | 22°57 | 10°56 | F 2 |
| S 3 | 19 16 49 | 18°39'38 | 12°34 | 28°30 | 0♋ 4 | 10° 2 | 24°50 | 24°21 | 0° 2 | 14°23 | 25°29 | 23°53 | 22°18 | 23° 3 | 10°57 | S 3 |
| S 4 | 19 20 46 | 19°36'53 | 24°29 | 29°31 | 1°17 | 10°40 | 24°54 | 24°27 | 0° 3 | 14°25 | 25°30 | 23°R54 | 22°15 | 23°10 | 10°57 | S 4 |
| M 5 | 19 24 42 | 20°34'08 | 6♐18 | 0♋38 | 2°30 | 11°18 | 24°57 | 24°34 | 0° 3 | 14°26 | 25°31 | 23°53 | 22°12 | 23°17 | 10°57 | M 5 |
| T 6 | 19 28 39 | 21°31'23 | 18° 6 | 1°50 | 3°43 | 11°55 | 25° 1 | 24°41 | 0° 3 | 14°27 | 25°31 | 23°50 | 22° 8 | 23°23 | 10°R57 | T 6 |
| W 7 | 19 32 35 | 22°28'40 | 29°55 | 3° 7 | 4°56 | 12°33 | 25° 5 | 24°47 | 0° 3 | 14°28 | 25°32 | 23°45 | 22° 5 | 23°30 | 10°57 | W 7 |
| T 8 | 19 36 32 | 23°25'56 | 11♑49 | 4°28 | 6° 9 | 13°11 | 25°10 | 24°54 | 0° 4 | 14°29 | 25°33 | 23°37 | 22° 2 | 23°37 | 10°57 | T 8 |
| F 9 | 19 40 28 | 24°23'14 | 23°50 | 5°54 | 7°23 | 13°49 | 25°14 | 25° 1 | 0° 4 | 14°30 | 25°34 | 23°28 | 21°59 | 23°43 | 10°57 | F 9 |
| S 10 | 19 44 25 | 25°20'32 | 5♒59 | 7°24 | 8°36 | 14°26 | 25°19 | 25° 8 | 0° 5 | 14°31 | 25°35 | 23°17 | 21°56 | 23°50 | 10°57 | S 10 |
| S 11 | 19 48 21 | 26°17'51 | 18°17 | 8°59 | 9°49 | 15° 4 | 25°23 | 25°15 | 0° 5 | 14°32 | 25°35 | 23° 5 | 21°52 | 23°57 | 10°56 | S 11 |
| M12 | 19 52 18 | 27°15'10 | 0♓45 | 10°37 | 11° 3 | 15°42 | 25°28 | 25°22 | 0° 6 | 14°33 | 25°36 | 22°55 | 21°49 | 24° 3 | 10°56 | M12 |
| T 13 | 19 56 15 | 28°12'31 | 13°24 | 12°20 | 12°16 | 16°20 | 25°33 | 25°29 | 0° 7 | 14°34 | 25°37 | 22°46 | 21°46 | 24°10 | 10°56 | T 13 |
| W14 | 20 0 11 | 29° 9'53 | 26°15 | 14° 6 | 13°29 | 16°58 | 25°38 | 25°36 | 0° 7 | 14°35 | 25°38 | 22°39 | 21°43 | 24°17 | 10°55 | W14 |
| T 15 | 20 4 8 | 0♌ 7'15 | 9♈20 | 15°55 | 14°43 | 17°35 | 25°44 | 25°43 | 0° 8 | 14°36 | 25°38 | 22°35 | 21°40 | 24°23 | 10°55 | T 15 |
| F 16 | 20 8 4 | 1° 4'39 | 22°40 | 17°48 | 15°56 | 18°13 | 25°49 | 25°50 | 0° 9 | 14°36 | 25°39 | 22°33 | 21°37 | 24°30 | 10°54 | F 16 |
| S 17 | 20 12 1 | 2° 2'05 | 6♉19 | 19°43 | 17°10 | 18°51 | 25°55 | 25°57 | 0°10 | 14°37 | 25°40 | 22°D33 | 21°33 | 24°37 | 10°54 | S 17 |
| S 18 | 20 15 57 | 2°59'31 | 20°16 | 21°40 | 18°23 | 19°29 | 26° 1 | 26° 4 | 0°10 | 14°38 | 25°40 | 22°R33 | 21°30 | 24°43 | 10°53 | S 18 |
| M19 | 20 19 54 | 3°56'59 | 4♊32 | 23°39 | 19°37 | 20° 7 | 26° 7 | 26°12 | 0°11 | 14°39 | 25°41 | 22°33 | 21°27 | 24°50 | 10°53 | M19 |
| T 20 | 20 23 50 | 4°54'28 | 19° 6 | 25°40 | 20°51 | 20°45 | 26°13 | 26°19 | 0°12 | 14°39 | 25°41 | 22°31 | 21°24 | 24°57 | 10°52 | T 20 |
| W21 | 20 27 47 | 5°51'59 | 3♋54 | 27°42 | 22° 4 | 21°23 | 26°19 | 26°26 | 0°13 | 14°40 | 25°42 | 22°26 | 21°21 | 25° 3 | 10°51 | W21 |
| T 22 | 20 31 44 | 6°49'31 | 18°50 | 29°45 | 23°18 | 22° 1 | 26°25 | 26°33 | 0°15 | 14°41 | 25°43 | 22°19 | 21°18 | 25°10 | 10°50 | T 22 |
| F 23 | 20 35 40 | 7°47'04 | 3♌45 | 1♌48 | 24°32 | 22°39 | 26°32 | 26°41 | 0°16 | 14°41 | 25°43 | 22° 9 | 21°14 | 25°17 | 10°49 | F 23 |
| S 24 | 20 39 37 | 8°44'38 | 18°31 | 3°52 | 25°45 | 23°17 | 26°39 | 26°48 | 0°17 | 14°42 | 25°44 | 21°58 | 21°11 | 25°23 | 10°48 | S 24 |
| S 25 | 20 43 33 | 9°42'14 | 2♍59 | 5°56 | 26°59 | 23°55 | 26°45 | 26°55 | 0°18 | 14°42 | 25°44 | 21°47 | 21° 8 | 25°30 | 10°47 | S 25 |
| M26 | 20 47 30 | 10°39'50 | 17° 2 | 7°59 | 28°13 | 24°33 | 26°52 | 27° 3 | 0°20 | 14°43 | 25°45 | 21°38 | 21° 5 | 25°37 | 10°46 | M26 |
| T 27 | 20 51 26 | 11°37'27 | 0♎39 | 10° 2 | 29°27 | 25°11 | 26°59 | 27°10 | 0°21 | 14°43 | 25°45 | 21°30 | 21° 2 | 25°43 | 10°45 | T 27 |
| W28 | 20 55 23 | 12°35'06 | 13°48 | 12° 4 | 0♌41 | 25°49 | 27° 7 | 27°18 | 0°22 | 14°44 | 25°45 | 21°25 | 20°58 | 25°50 | 10°44 | W28 |
| T 29 | 20 59 19 | 13°32'45 | 26°31 | 14° 5 | 1°55 | 26°27 | 27°14 | 27°25 | 0°24 | 14°44 | 25°46 | 21°23 | 20°55 | 25°57 | 10°43 | T 29 |
| F 30 | 21 3 16 | 14°30'26 | 8♏54 | 16° 5 | 3° 8 | 27° 5 | 27°21 | 27°32 | 0°25 | 14°45 | 25°46 | 21°22 | 20°52 | 26° 3 | 10°42 | F 30 |
| S 31 | 21 7 13 | 15♌28'07 | 21♏ 0 | 18♌ 5 | 4♌22 | 27♌43 | 27♎29 | 27♌40 | 0♏27 | 14♉45 | 25♉47 | 21♉22 | 20♉49 | 26♐10 | 10♈41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n28 | 4s21 | 3n 0 | 20n41 | 2s48 | 23n12 | 0s18 | 19n17 | 1n12 | 8s30 | 1n12 | 14n55 | 1n29 | 11s 4 | 0n29 | 14n30 | 1s47 | 6n51 | 12s41 | 18n48 | 18n26 | 25s56 | 6n14 | 2n 3 |
| F 2 | 22 21 | 9 46 | 2 3 | 20 56 | 2 34 | 23 16 | 0 15 | 19 6 | 1 12 | 8 31 | 1 11 | 14 53 | 1 29 | 11 4 | 0 29 | 14 30 | 1 47 | 6 51 | 12 42 | 18 48 | 18 25 | 25 57 | 6 14 | 2 3 |
| S 3 | 22 13 | 14 42 | 1 1 | 21 10 | 2 20 | 23 19 | 0 12 | 18 56 | 1 11 | 8 33 | 1 11 | 14 51 | 1 29 | 11 5 | 0 29 | 14 30 | 1 47 | 6 51 | 12 42 | 18 49 | 18 24 | 25 58 | 6 14 | 2 3 |
| S 4 | 22 5 | 19 0 | 0s 3 | 21 25 | 2 6 | 23 21 | 0 10 | 18 46 | 1 11 | 8 34 | 1 11 | 14 49 | 1 29 | 11 5 | 0 29 | 14 31 | 1 47 | 6 51 | 12 42 | 18 49 | 18 24 | 25 59 | 6 14 | 2 3 |
| M 5 | 21 56 | 22 31 | 1 6 | 21 39 | 1 52 | 23 22 | 0 7 | 18 35 | 1 11 | 8 36 | 1 11 | 14 46 | 1 29 | 11 5 | 0 29 | 14 31 | 1 47 | 6 51 | 12 42 | 18 48 | 18 23 | 26 0 | 6 14 | 2 3 |
| T 6 | 21 48 | 25 4 | 2 6 | 21 53 | 1 38 | 23 23 | 0 5 | 18 24 | 1 11 | 8 38 | 1 10 | 14 44 | 1 29 | 11 5 | 0 29 | 14 31 | 1 47 | 6 51 | 12 42 | 18 48 | 18 22 | 26 2 | 6 14 | 2 3 |
| W 7 | 21 38 | 26 32 | 3 0 | 22 5 | 1 24 | 23 23 | 0 2 | 18 14 | 1 11 | 8 39 | 1 10 | 14 42 | 1 29 | 11 5 | 0 29 | 14 31 | 1 47 | 6 51 | 12 42 | 18 46 | 18 21 | 26 3 | 6 14 | 2 3 |
| T 8 | 21 29 | 26 46 | 3 47 | 22 17 | 1 9 | 23 23 | 0n 0 | 18 3 | 1 11 | 8 41 | 1 10 | 14 39 | 1 29 | 11 5 | 0 29 | 14 32 | 1 47 | 6 51 | 12 43 | 18 44 | 18 20 | 26 4 | 6 14 | 2 3 |
| F 9 | 21 19 | 25 45 | 4 24 | 22 28 | 0 55 | 23 22 | 0 3 | 17 52 | 1 10 | 8 43 | 1 10 | 14 37 | 1 29 | 11 5 | 0 29 | 14 32 | 1 47 | 6 51 | 12 43 | 18 42 | 18 19 | 26 5 | 6 14 | 2 4 |
| S 10 | 21 8 | 23 31 | 4 50 | 22 37 | 0 42 | 23 20 | 0 5 | 17 40 | 1 10 | 8 45 | 1 9 | 14 35 | 1 29 | 11 6 | 0 28 | 14 32 | 1 47 | 6 51 | 12 43 | 18 39 | 18 19 | 26 6 | 6 14 | 2 4 |
| S 11 | 20 58 | 20 11 | 5 2 | 22 45 | 0 28 | 23 17 | 0 8 | 17 29 | 1 10 | 8 47 | 1 9 | 14 32 | 1 29 | 11 6 | 0 28 | 14 32 | 1 48 | 6 51 | 12 43 | 18 36 | 18 18 | 26 7 | 6 14 | 2 4 |
| M12 | 20 47 | 15 55 | 5 0 | 22 51 | 0 15 | 23 14 | 0 10 | 17 18 | 1 10 | 8 49 | 1 9 | 14 30 | 1 29 | 11 6 | 0 28 | 14 33 | 1 48 | 6 51 | 12 43 | 18 34 | 18 17 | 26 8 | 6 14 | 2 4 |
| T 13 | 20 35 | 10 55 | 4 44 | 22 55 | 0 2 | 23 10 | 0 13 | 17 6 | 1 10 | 8 51 | 1 9 | 14 28 | 1 29 | 11 6 | 0 28 | 14 33 | 1 48 | 6 51 | 12 44 | 18 32 | 18 16 | 26 9 | 6 14 | 2 4 |
| W14 | 20 24 | 5 22 | 4 13 | 22 56 | 0n10 | 23 5 | 0 15 | 16 54 | 1 9 | 8 53 | 1 8 | 14 25 | 1 29 | 11 7 | 0 28 | 14 33 | 1 48 | 6 51 | 12 44 | 18 30 | 18 15 | 26 10 | 6 14 | 2 4 |
| T 15 | 20 12 | 0n31 | 3 29 | 22 56 | 0 22 | 23 0 | 0 18 | 16 43 | 1 9 | 8 55 | 1 8 | 14 23 | 1 29 | 11 7 | 0 28 | 14 33 | 1 48 | 6 51 | 12 44 | 18 29 | 18 14 | 26 11 | 6 14 | 2 4 |
| F 16 | 19 59 | 6 30 | 2 32 | 22 53 | 0 33 | 22 54 | 0 20 | 16 31 | 1 9 | 8 57 | 1 8 | 14 20 | 1 29 | 11 7 | 0 28 | 14 33 | 1 48 | 6 51 | 12 44 | 18 28 | 18 14 | 26 12 | 6 14 | 2 4 |
| S 17 | 19 46 | 12 20 | 1 25 | 22 47 | 0 43 | 22 47 | 0 23 | 16 19 | 1 9 | 9 0 | 1 8 | 14 18 | 1 29 | 11 8 | 0 28 | 14 34 | 1 48 | 6 51 | 12 44 | 18 28 | 18 13 | 26 13 | 6 13 | 2 4 |
| S 18 | 19 33 | 17 40 | 0 12 | 22 38 | 0 53 | 22 40 | 0 25 | 16 7 | 1 9 | 9 2 | 1 7 | 14 16 | 1 29 | 11 8 | 0 28 | 14 34 | 1 48 | 6 51 | 12 45 | 18 28 | 18 12 | 26 14 | 6 13 | 2 4 |
| M19 | 19 20 | 22 9 | 1n 3 | 22 27 | 1 2 | 22 32 | 0 27 | 15 54 | 1 8 | 9 5 | 1 7 | 14 13 | 1 29 | 11 8 | 0 28 | 14 34 | 1 48 | 6 51 | 12 45 | 18 28 | 18 11 | 26 15 | 6 13 | 2 4 |
| T 20 | 19 6 | 25 20 | 2 16 | 22 14 | 1 10 | 22 23 | 0 30 | 15 42 | 1 8 | 9 7 | 1 7 | 14 11 | 1 29 | 11 9 | 0 28 | 14 34 | 1 48 | 6 50 | 12 45 | 18 28 | 18 10 | 26 16 | 6 13 | 2 4 |
| W21 | 18 52 | 26 48 | 3 21 | 21 57 | 1 17 | 22 14 | 0 32 | 15 30 | 1 8 | 9 9 | 1 7 | 14 8 | 1 29 | 11 9 | 0 28 | 14 34 | 1 48 | 6 50 | 12 45 | 18 26 | 18 9 | 26 17 | 6 12 | 2 4 |
| T 22 | 18 38 | 26 21 | 4 12 | 21 38 | 1 24 | 22 4 | 0 34 | 15 17 | 1 8 | 9 12 | 1 6 | 14 6 | 1 29 | 11 9 | 0 28 | 14 34 | 1 48 | 6 50 | 12 46 | 18 25 | 18 9 | 26 18 | 6 12 | 2 4 |
| F 23 | 18 23 | 24 1 | 4 46 | 21 16 | 1 29 | 21 53 | 0 36 | 15 5 | 1 8 | 9 15 | 1 6 | 14 3 | 1 29 | 11 10 | 0 28 | 14 35 | 1 48 | 6 50 | 12 46 | 18 22 | 18 8 | 26 19 | 6 12 | 2 4 |
| S 24 | 18 8 | 20 5 | 5 1 | 20 52 | 1 34 | 21 42 | 0 39 | 14 52 | 1 7 | 9 17 | 1 6 | 14 1 | 1 29 | 11 10 | 0 28 | 14 35 | 1 48 | 6 50 | 12 46 | 18 19 | 18 7 | 26 20 | 6 12 | 2 4 |
| S 25 | 17 53 | 15 2 | 4 56 | 20 26 | 1 38 | 21 30 | 0 41 | 14 39 | 1 7 | 9 20 | 1 6 | 13 58 | 1 29 | 11 11 | 0 28 | 14 35 | 1 48 | 6 50 | 12 46 | 18 16 | 18 6 | 26 21 | 6 11 | 2 4 |
| M26 | 17 37 | 9 19 | 4 33 | 19 58 | 1 41 | 21 17 | 0 43 | 14 26 | 1 7 | 9 23 | 1 5 | 13 56 | 1 29 | 11 11 | 0 28 | 14 35 | 1 48 | 6 50 | 12 46 | 18 14 | 18 5 | 26 22 | 6 11 | 2 4 |
| T 27 | 17 21 | 3 20 | 3 54 | 19 27 | 1 43 | 21 4 | 0 45 | 14 13 | 1 7 | 9 25 | 1 5 | 13 53 | 1 29 | 11 12 | 0 28 | 14 35 | 1 48 | 6 50 | 12 47 | 18 12 | 18 4 | 26 23 | 6 10 | 2 4 |
| W28 | 17 5 | 2s37 | 3 5 | 18 55 | 1 45 | 20 50 | 0 47 | 14 0 | 1 6 | 9 28 | 1 5 | 13 51 | 1 29 | 11 12 | 0 28 | 14 35 | 1 48 | 6 50 | 12 47 | 18 11 | 18 4 | 26 24 | 6 10 | 2 4 |
| T 29 | 16 49 | 8 17 | 2 8 | 18 21 | 1 46 | 20 36 | 0 49 | 13 47 | 1 6 | 9 31 | 1 5 | 13 48 | 1 29 | 11 13 | 0 28 | 14 35 | 1 49 | 6 49 | 12 47 | 18 10 | 18 3 | 26 25 | 6 10 | 2 4 |
| F 30 | 16 32 | 13 29 | 1 6 | 17 45 | 1 46 | 20 21 | 0 51 | 13 33 | 1 6 | 9 34 | 1 4 | 13 46 | 1 29 | 11 13 | 0 28 | 14 35 | 1 49 | 6 49 | 12 47 | 18 10 | 18 2 | 26 26 | 6 9 | 2 4 |
| S 31 | 16n15 | 18s 2 | 0n 2 | 17n 8 | 1n46 | 20n 5 | 0n53 | 13n20 | 1n 6 | 9s37 | 1n 4 | 13n43 | 1n29 | 11s14 | 0n28 | 14n35 | 1s49 | 6n49 | 12s48 | 18n10 | 18n 1 | 26s27 | 6n 9 | 2n 4 |

Julian Day Number = 2228571.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'27, Lahiri = 15°20'27 Julian Calendar 1 July 1389 == Greg. Calendar 9 July 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## AUGUST 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 11 9 | 16♌25'50 | 2♐54 | 20♌ 3 | 5♌36 | 28♌21 | 27♎37 | 27♌47 | 0♏28 | 14♉45 | 25♉47 | 21°R21 | 20♉46 | 26♐17 | 10°R39 | S 1 |
| M 2 | 21 15 6 | 17°23'34 | 14°44 | 21°59 | 6°50 | 28°59 | 27°45 | 27°55 | 0°30 | 14°46 | 25°47 | 21♉20 | 20°43 | 26°23 | 10♈38 | M 2 |
| T 3 | 21 19 2 | 18°21'19 | 26°33 | 23°55 | 8° 4 | 29°38 | 27°53 | 28° 2 | 0°32 | 14°46 | 25°48 | 21°16 | 20°39 | 26°30 | 10°36 | T 3 |
| W 4 | 21 22 59 | 19°19'05 | 8♑25 | 25°49 | 9°18 | 0♍16 | 28° 1 | 28°10 | 0°33 | 14°46 | 25°48 | 21° 9 | 20°36 | 26°37 | 10°35 | W 4 |
| T 5 | 21 26 55 | 20°16'53 | 20°25 | 27°42 | 10°32 | 0°54 | 28° 9 | 28°17 | 0°35 | 14°46 | 25°48 | 21° 0 | 20°33 | 26°44 | 10°33 | T 5 |
| F 6 | 21 30 52 | 21°14'42 | 2♒34 | 29°34 | 11°47 | 1°32 | 28°17 | 28°25 | 0°37 | 14°46 | 25°48 | 20°49 | 20°30 | 26°50 | 10°32 | F 6 |
| S 7 | 21 34 48 | 22°12'32 | 14°55 | 1♍24 | 13° 1 | 2°10 | 28°26 | 28°32 | 0°39 | 14°46 | 25°49 | 20°36 | 20°27 | 26°57 | 10°30 | S 7 |
| S 8 | 21 38 45 | 23°10'24 | 27°29 | 3°13 | 14°15 | 2°48 | 28°34 | 28°40 | 0°41 | 14°47 | 25°49 | 20°23 | 20°24 | 27° 4 | 10°29 | S 8 |
| M 9 | 21 42 42 | 24° 8'17 | 10♓14 | 5° 1 | 15°29 | 3°27 | 28°43 | 28°48 | 0°43 | 14°47 | 25°49 | 20°10 | 20°20 | 27°10 | 10°27 | M 9 |
| T 10 | 21 46 38 | 25° 6'12 | 23°11 | 6°47 | 16°43 | 4° 5 | 28°52 | 28°55 | 0°45 | 14°R47 | 25°49 | 19°59 | 20°17 | 27°17 | 10°25 | T 10 |
| W11 | 21 50 35 | 26° 4'08 | 6♈20 | 8°32 | 17°57 | 4°43 | 29° 0 | 29° 3 | 0°47 | 14°47 | 25°49 | 19°51 | 20°14 | 27°24 | 10°23 | W11 |
| T 12 | 21 54 31 | 27° 2'07 | 19°39 | 10°16 | 19°12 | 5°22 | 29° 9 | 29°10 | 0°49 | 14°46 | 25°50 | 19°46 | 20°11 | 27°30 | 10°22 | T 12 |
| F 13 | 21 58 28 | 28° 0'07 | 3♉ 9 | 11°58 | 20°26 | 6° 0 | 29°19 | 29°18 | 0°51 | 14°46 | 25°50 | 19°43 | 20° 8 | 27°37 | 10°20 | F 13 |
| S 14 | 22 2 24 | 28°58'10 | 16°51 | 13°39 | 21°40 | 6°38 | 29°28 | 29°25 | 0°53 | 14°46 | 25°50 | 19°D43 | 20° 4 | 27°44 | 10°18 | S 14 |
| S 15 | 22 6 21 | 29°56'14 | 0♊45 | 15°19 | 22°55 | 7°17 | 29°37 | 29°33 | 0°56 | 14°46 | 25°50 | 19°R43 | 20° 1 | 27°50 | 10°16 | S 15 |
| M16 | 22 10 17 | 0♍54'20 | 14°52 | 16°58 | 24° 9 | 7°55 | 29°47 | 29°41 | 0°58 | 14°46 | 25°50 | 19°42 | 19°58 | 27°57 | 10°14 | M16 |
| T 17 | 22 14 14 | 1°52'29 | 29° 9 | 18°35 | 25°23 | 8°33 | 29°56 | 29°48 | 1° 0 | 14°46 | 25°50 | 19°40 | 19°55 | 28° 4 | 10°12 | T 17 |
| W18 | 22 18 11 | 2°50'39 | 13♋37 | 20°11 | 26°38 | 9°12 | 0♏ 6 | 29°56 | 1° 3 | 14°45 | 25°R50 | 19°35 | 19°52 | 28°10 | 10°10 | W18 |
| T 19 | 22 22 7 | 3°48'52 | 28° 9 | 21°46 | 27°52 | 9°50 | 0°15 | 0♍ 3 | 1° 5 | 14°45 | 25°50 | 19°28 | 19°49 | 28°17 | 10° 8 | T 19 |
| F 20 | 22 26 4 | 4°47'06 | 12♌42 | 23°20 | 29° 7 | 10°29 | 0°25 | 0°11 | 1° 7 | 14°45 | 25°50 | 19°18 | 19°45 | 28°24 | 10° 6 | F 20 |
| S 21 | 22 30 0 | 5°45'23 | 27° 7 | 24°53 | 0♍21 | 11° 7 | 0°35 | 0°18 | 1°10 | 14°45 | 25°50 | 19° 7 | 19°42 | 28°30 | 10° 3 | S 21 |
| S 22 | 22 33 57 | 6°43'41 | 11♍19 | 26°24 | 1°36 | 11°46 | 0°45 | 0°26 | 1°12 | 14°44 | 25°50 | 18°56 | 19°39 | 28°37 | 10° 1 | S 22 |
| M23 | 22 37 53 | 7°42'01 | 25°11 | 27°54 | 2°50 | 12°24 | 0°55 | 0°34 | 1°15 | 14°44 | 25°50 | 18°46 | 19°36 | 28°44 | 9°59 | M23 |
| T 24 | 22 41 50 | 8°40'22 | 8♎41 | 29°23 | 4° 5 | 13° 3 | 1° 6 | 0°41 | 1°18 | 14°43 | 25°49 | 18°38 | 19°33 | 28°50 | 9°57 | T 24 |
| W25 | 22 45 46 | 9°38'45 | 21°47 | 0♎51 | 5°20 | 13°42 | 1°16 | 0°49 | 1°20 | 14°43 | 25°49 | 18°33 | 19°30 | 28°57 | 9°54 | W25 |
| T 26 | 22 49 43 | 10°37'10 | 4♏30 | 2°18 | 6°34 | 14°20 | 1°26 | 0°56 | 1°23 | 14°42 | 25°49 | 18°30 | 19°26 | 29° 4 | 9°52 | T 26 |
| F 27 | 22 53 40 | 11°35'37 | 16°53 | 3°43 | 7°49 | 14°59 | 1°37 | 1° 4 | 1°26 | 14°42 | 25°49 | 18°D29 | 19°23 | 29°10 | 9°49 | F 27 |
| S 28 | 22 57 36 | 12°34'06 | 29° 0 | 5° 7 | 9° 4 | 15°38 | 1°47 | 1°11 | 1°28 | 14°41 | 25°49 | 18°29 | 19°20 | 29°17 | 9°47 | S 28 |
| S 29 | 23 1 33 | 13°32'36 | 10♐56 | 6°30 | 10°18 | 16°16 | 1°58 | 1°19 | 1°31 | 14°41 | 25°49 | 18°R30 | 19°17 | 29°24 | 9°45 | S 29 |
| M30 | 23 5 29 | 14°31'07 | 22°47 | 7°52 | 11°33 | 16°55 | 2° 9 | 1°26 | 1°34 | 14°40 | 25°48 | 18°29 | 19°14 | 29°30 | 9°42 | M30 |
| T 31 | 23 9 26 | 15♍29'41 | 4♑37 | 9♎12 | 12♍48 | 17♍34 | 2♏20 | 1♍33 | 1♏37 | 14♉39 | 25♉48 | 18♉27 | 19♉10 | 29♐37 | 9♈40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15n58 | 21s48 | 1s 1 | 16n30 | 1n45 | 19n49 | 0n55 | 13n 7 | 1n 6 | 9s40 | 1n 4 | 13n40 | 1n29 | 11s15 | 0n28 | 14n35 | 1s49 | 6n49 | 12s48 | 18n10 | 18n 0 | 26s28 | 6n 8 | 2n 4 |
| M 2 | 15 40 | 24 38 | 2 0 | 15 51 | 1 43 | 19 32 | 0 56 | 12 53 | 1 5 | 9 43 | 1 4 | 13 38 | 1 29 | 11 15 | 0 28 | 14 35 | 1 49 | 6 49 | 12 48 | 18 9 | 17 59 | 26 29 | 6 8 | 2 4 |
| T 3 | 15 23 | 26 23 | 2 55 | 15 11 | 1 41 | 19 15 | 0 58 | 12 39 | 1 5 | 9 46 | 1 4 | 13 35 | 1 29 | 11 16 | 0 28 | 14 35 | 1 49 | 6 49 | 12 48 | 18 8 | 17 59 | 26 29 | 6 7 | 2 4 |
| W 4 | 15 5 | 26 56 | 3 41 | 14 30 | 1 38 | 18 57 | 1 0 | 12 26 | 1 5 | 9 49 | 1 3 | 13 33 | 1 29 | 11 16 | 0 28 | 14 35 | 1 49 | 6 49 | 12 48 | 18 7 | 17 58 | 26 30 | 6 6 | 2 4 |
| T 5 | 14 46 | 26 14 | 4 19 | 13 48 | 1 35 | 18 38 | 1 2 | 12 12 | 1 5 | 9 52 | 1 3 | 13 30 | 1 29 | 11 17 | 0 28 | 14 35 | 1 49 | 6 48 | 12 49 | 18 4 | 17 57 | 26 31 | 6 6 | 2 4 |
| F 6 | 14 28 | 24 16 | 4 45 | 13 5 | 1 31 | 18 20 | 1 3 | 11 58 | 1 4 | 9 55 | 1 3 | 13 28 | 1 29 | 11 18 | 0 28 | 14 35 | 1 49 | 6 48 | 12 49 | 18 1 | 17 56 | 26 32 | 6 5 | 2 4 |
| S 7 | 14 9 | 21 10 | 4 58 | 12 22 | 1 27 | 18 0 | 1 5 | 11 44 | 1 4 | 9 59 | 1 3 | 13 25 | 1 29 | 11 18 | 0 28 | 14 35 | 1 49 | 6 48 | 12 49 | 17 58 | 17 55 | 26 33 | 6 5 | 2 4 |
| S 8 | 13 50 | 17 2 | 4 58 | 11 39 | 1 23 | 17 40 | 1 6 | 11 30 | 1 4 | 10 2 | 1 2 | 13 22 | 1 29 | 11 19 | 0 28 | 14 35 | 1 49 | 6 48 | 12 49 | 17 54 | 17 54 | 26 34 | 6 4 | 2 4 |
| M 9 | 13 31 | 12 6 | 4 42 | 10 55 | 1 18 | 17 20 | 1 8 | 11 16 | 1 4 | 10 5 | 1 2 | 13 20 | 1 29 | 11 20 | 0 28 | 14 35 | 1 49 | 6 48 | 12 50 | 17 51 | 17 54 | 26 35 | 6 3 | 2 4 |
| T 10 | 13 12 | 6 34 | 4 12 | 10 10 | 1 13 | 16 59 | 1 9 | 11 2 | 1 3 | 10 8 | 1 2 | 13 17 | 1 29 | 11 21 | 0 28 | 14 35 | 1 49 | 6 48 | 12 50 | 17 48 | 17 53 | 26 36 | 6 3 | 2 4 |
| W11 | 12 52 | 0 39 | 3 28 | 9 26 | 1 7 | 16 37 | 1 10 | 10 47 | 1 3 | 10 12 | 1 2 | 13 15 | 1 29 | 11 21 | 0 27 | 14 35 | 1 49 | 6 47 | 12 50 | 17 46 | 17 52 | 26 36 | 6 2 | 2 4 |
| T 12 | 12 32 | 5n22 | 2 32 | 8 41 | 1 1 | 16 15 | 1 12 | 10 33 | 1 3 | 10 15 | 1 2 | 13 12 | 1 30 | 11 22 | 0 27 | 14 35 | 1 49 | 6 47 | 12 50 | 17 44 | 17 51 | 26 37 | 6 1 | 2 4 |
| F 13 | 12 12 | 11 15 | 1 26 | 7 57 | 0 55 | 15 53 | 1 13 | 10 19 | 1 3 | 10 19 | 1 1 | 13 9 | 1 30 | 11 23 | 0 27 | 14 35 | 1 49 | 6 47 | 12 51 | 17 44 | 17 50 | 26 38 | 6 1 | 2 4 |
| S 14 | 11 52 | 16 41 | 0 15 | 7 12 | 0 49 | 15 30 | 1 14 | 10 4 | 1 2 | 10 22 | 1 1 | 13 7 | 1 30 | 11 24 | 0 27 | 14 35 | 1 50 | 6 47 | 12 51 | 17 43 | 17 49 | 26 39 | 6 0 | 2 4 |
| S 15 | 11 32 | 21 20 | 0n58 | 6 27 | 0 42 | 15 7 | 1 15 | 9 50 | 1 2 | 10 25 | 1 1 | 13 4 | 1 30 | 11 24 | 0 27 | 14 35 | 1 50 | 6 46 | 12 51 | 17 43 | 17 48 | 26 40 | 5 59 | 2 4 |
| M16 | 11 11 | 24 48 | 2 9 | 5 43 | 0 36 | 14 43 | 1 16 | 9 35 | 1 2 | 10 29 | 1 1 | 13 1 | 1 30 | 11 25 | 0 27 | 14 35 | 1 50 | 6 46 | 12 51 | 17 43 | 17 48 | 26 41 | 5 58 | 2 4 |
| T 17 | 10 51 | 26 44 | 3 13 | 4 58 | 0 29 | 14 19 | 1 17 | 9 20 | 1 1 | 10 32 | 1 1 | 12 59 | 1 30 | 11 26 | 0 27 | 14 34 | 1 50 | 6 46 | 12 52 | 17 43 | 17 47 | 26 41 | 5 57 | 2 4 |
| W18 | 10 30 | 26 53 | 4 5 | 4 14 | 0 21 | 13 54 | 1 18 | 9 5 | 1 1 | 10 36 | 1 0 | 12 56 | 1 30 | 11 27 | 0 27 | 14 34 | 1 50 | 6 46 | 12 52 | 17 41 | 17 46 | 26 42 | 5 57 | 2 4 |
| T 19 | 10 9 | 25 11 | 4 41 | 3 29 | 0 14 | 13 29 | 1 19 | 8 51 | 1 1 | 10 40 | 1 0 | 12 54 | 1 30 | 11 28 | 0 27 | 14 34 | 1 50 | 6 46 | 12 52 | 17 39 | 17 45 | 26 43 | 5 56 | 2 4 |
| F 20 | 9 47 | 21 50 | 4 59 | 2 45 | 0 7 | 13 4 | 1 20 | 8 36 | 1 1 | 10 43 | 1 0 | 12 51 | 1 30 | 11 29 | 0 27 | 14 34 | 1 50 | 6 45 | 12 52 | 17 37 | 17 44 | 26 44 | 5 55 | 2 4 |
| S 21 | 9 26 | 17 11 | 4 58 | 2 2 | 0s 1 | 12 39 | 1 21 | 8 21 | 1 0 | 10 47 | 1 0 | 12 48 | 1 30 | 11 30 | 0 27 | 14 34 | 1 50 | 6 45 | 12 53 | 17 34 | 17 43 | 26 44 | 5 54 | 2 4 |
| S 22 | 9 4 | 11 39 | 4 39 | 1 18 | 0 9 | 12 13 | 1 22 | 8 6 | 1 0 | 10 51 | 1 0 | 12 46 | 1 30 | 11 31 | 0 27 | 14 34 | 1 50 | 6 45 | 12 53 | 17 31 | 17 42 | 26 45 | 5 53 | 2 4 |
| M23 | 8 43 | 5 38 | 4 3 | 0 35 | 0 16 | 11 46 | 1 22 | 7 51 | 1 0 | 10 54 | 1 0 | 12 43 | 1 30 | 11 31 | 0 27 | 14 33 | 1 50 | 6 45 | 12 53 | 17 28 | 17 42 | 26 46 | 5 52 | 2 4 |
| T 24 | 8 21 | 0s28 | 3 15 | 0s 8 | 0 24 | 11 20 | 1 23 | 7 36 | 0 59 | 10 58 | 0 59 | 12 41 | 1 30 | 11 32 | 0 27 | 14 33 | 1 50 | 6 44 | 12 53 | 17 26 | 17 41 | 26 47 | 5 51 | 2 4 |
| W25 | 7 59 | 6 24 | 2 17 | 0 50 | 0 32 | 10 53 | 1 23 | 7 21 | 0 59 | 11 2 | 0 59 | 12 38 | 1 30 | 11 33 | 0 27 | 14 33 | 1 50 | 6 44 | 12 53 | 17 24 | 17 40 | 26 47 | 5 50 | 2 4 |
| T 26 | 7 37 | 11 54 | 1 14 | 1 32 | 0 40 | 10 25 | 1 24 | 7 5 | 0 59 | 11 6 | 0 59 | 12 35 | 1 31 | 11 34 | 0 27 | 14 33 | 1 50 | 6 44 | 12 54 | 17 23 | 17 39 | 26 48 | 5 50 | 2 4 |
| F 27 | 7 14 | 16 48 | 0 9 | 2 13 | 0 48 | 9 58 | 1 24 | 6 50 | 0 59 | 11 9 | 0 59 | 12 33 | 1 31 | 11 35 | 0 27 | 14 33 | 1 50 | 6 44 | 12 54 | 17 23 | 17 38 | 26 49 | 5 49 | 2 4 |
| S 28 | 6 52 | 20 55 | 0s56 | 2 54 | 0 56 | 9 30 | 1 24 | 6 35 | 0 58 | 11 13 | 0 59 | 12 30 | 1 31 | 11 36 | 0 27 | 14 32 | 1 50 | 6 43 | 12 54 | 17 23 | 17 37 | 26 50 | 5 48 | 2 4 |
| S 29 | 6 29 | 24 5 | 1 57 | 3 35 | 1 5 | 9 2 | 1 25 | 6 19 | 0 58 | 11 17 | 0 58 | 12 28 | 1 31 | 11 37 | 0 27 | 14 32 | 1 50 | 6 43 | 12 54 | 17 23 | 17 36 | 26 50 | 5 47 | 2 4 |
| M30 | 6 7 | 26 11 | 2 52 | 4 14 | 1 13 | 8 34 | 1 25 | 6 4 | 0 58 | 11 21 | 0 58 | 12 25 | 1 31 | 11 38 | 0 27 | 14 32 | 1 50 | 6 43 | 12 55 | 17 23 | 17 35 | 26 51 | 5 46 | 2 4 |
| T 31 | 5n44 | 27s 7 | 3s40 | 4s54 | 1s21 | 8n 5 | 1n25 | 5n49 | 0n57 | 11s25 | 0n58 | 12n22 | 1n31 | 11s39 | 0n27 | 14n32 | 1s50 | 6n42 | 12s55 | 17n23 | 17n35 | 26s52 | 5n45 | 2n 4 |

Julian Day Number = 2228602.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'31, Lahiri = 15°20'32 Julian Calendar 1 Aug. 1389 == Greg. Calendar 9 Aug. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## SEPTEMBER 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 13 22 | 16♍28'16 | 16♑32 | 10♎31 | 14♍ 2 | 18♍13 | 2♏31 | 1♍41 | 1♏40 | 14°R39 | 25°R48 | 18°R23 | 19♉ 7 | 29♐44 | 9°R37 | W 1 |
| T 2 | 23 17 19 | 17°26'53 | 28°36 | 11°48 | 15°17 | 18°51 | 2°42 | 1°48 | 1°43 | 14♉38 | 25♉47 | 18♉16 | 19° 4 | 29°50 | 9♈35 | T 2 |
| F 3 | 23 21 15 | 18°25'32 | 10♒53 | 13° 4 | 16°32 | 19°30 | 2°53 | 1°56 | 1°46 | 14°37 | 25°47 | 18° 8 | 19° 1 | 29°57 | 9°32 | F 3 |
| S 4 | 23 25 12 | 19°24'12 | 23°24 | 14°18 | 17°47 | 20° 9 | 3° 4 | 2° 3 | 1°48 | 14°36 | 25°47 | 17°58 | 18°58 | 0♑ 4 | 9°29 | S 4 |
| S 5 | 23 29 9 | 20°22'54 | 6♓12 | 15°31 | 19° 1 | 20°48 | 3°15 | 2°10 | 1°52 | 14°35 | 25°46 | 17°47 | 18°55 | 0°10 | 9°27 | S 5 |
| M 6 | 23 33 5 | 21°21'38 | 19°16 | 16°42 | 20°16 | 21°27 | 3°26 | 2°18 | 1°55 | 14°35 | 25°46 | 17°37 | 18°51 | 0°17 | 9°24 | M 6 |
| T 7 | 23 37 2 | 22°20'25 | 2♈35 | 17°51 | 21°31 | 22° 6 | 3°38 | 2°25 | 1°58 | 14°34 | 25°46 | 17°29 | 18°48 | 0°24 | 9°22 | T 7 |
| W 8 | 23 40 58 | 23°19'13 | 16° 7 | 18°58 | 22°46 | 22°44 | 3°49 | 2°32 | 2° 1 | 14°33 | 25°45 | 17°23 | 18°45 | 0°30 | 9°19 | W 8 |
| T 9 | 23 44 55 | 24°18'03 | 29°49 | 20° 3 | 24° 1 | 23°23 | 4° 1 | 2°39 | 2° 4 | 14°32 | 25°45 | 17°19 | 18°42 | 0°37 | 9°16 | T 9 |
| F 10 | 23 48 51 | 25°16'56 | 13♉40 | 21° 6 | 25°15 | 24° 2 | 4°12 | 2°47 | 2° 7 | 14°31 | 25°44 | 17°D18 | 18°39 | 0°44 | 9°13 | F 10 |
| S 11 | 23 52 48 | 26°15'51 | 27°38 | 22° 7 | 26°30 | 24°41 | 4°24 | 2°54 | 2°10 | 14°30 | 25°44 | 17°18 | 18°35 | 0°51 | 9°11 | S 11 |
| S 12 | 23 56 44 | 27°14'48 | 11♊40 | 23° 5 | 27°45 | 25°20 | 4°35 | 3° 1 | 2°13 | 14°29 | 25°43 | 17°19 | 18°32 | 0°57 | 9° 8 | S 12 |
| M13 | 0 0 41 | 28°13'48 | 25°47 | 24° 0 | 29° 0 | 26° 0 | 4°47 | 3° 8 | 2°17 | 14°28 | 25°43 | 17°R20 | 18°29 | 1° 4 | 9° 5 | M13 |
| T 14 | 0 4 38 | 29°12'50 | 9♋57 | 24°52 | 0♎15 | 26°39 | 4°59 | 3°15 | 2°20 | 14°27 | 25°42 | 17°20 | 18°26 | 1°11 | 9° 2 | T 14 |
| W15 | 0 8 34 | 0♎11'55 | 24° 8 | 25°40 | 1°30 | 27°18 | 5°11 | 3°22 | 2°23 | 14°26 | 25°42 | 17°17 | 18°23 | 1°17 | 9° 0 | W15 |
| T 16 | 0 12 31 | 1°11'02 | 8♌18 | 26°26 | 2°45 | 27°57 | 5°23 | 3°29 | 2°27 | 14°25 | 25°41 | 17°13 | 18°20 | 1°24 | 8°57 | T 16 |
| F 17 | 0 16 27 | 2°10'11 | 22°23 | 27° 7 | 4° 0 | 28°36 | 5°35 | 3°36 | 2°30 | 14°24 | 25°40 | 17° 7 | 18°16 | 1°31 | 8°54 | F 17 |
| S 18 | 0 20 24 | 3° 9'22 | 6♍21 | 27°44 | 5°15 | 29°15 | 5°47 | 3°43 | 2°33 | 14°22 | 25°40 | 17° 0 | 18°13 | 1°37 | 8°51 | S 18 |
| S 19 | 0 24 20 | 4° 8'35 | 20° 8 | 28°16 | 6°30 | 29°55 | 5°59 | 3°50 | 2°37 | 14°21 | 25°39 | 16°52 | 18°10 | 1°44 | 8°48 | S 19 |
| M20 | 0 28 17 | 5° 7'51 | 3♎39 | 28°43 | 7°45 | 0♎34 | 6°11 | 3°57 | 2°40 | 14°20 | 25°38 | 16°46 | 18° 7 | 1°51 | 8°46 | M20 |
| T 21 | 0 32 13 | 6° 7'09 | 16°53 | 29° 5 | 9° 0 | 1°13 | 6°24 | 4° 4 | 2°44 | 14°19 | 25°38 | 16°40 | 18° 4 | 1°57 | 8°43 | T 21 |
| W22 | 0 36 10 | 7° 6'29 | 29°48 | 29°21 | 10°15 | 1°52 | 6°36 | 4°11 | 2°47 | 14°17 | 25°37 | 16°37 | 18° 1 | 2° 4 | 8°40 | W22 |
| T 23 | 0 40 6 | 8° 5'50 | 12♏24 | 29°30 | 11°30 | 2°32 | 6°48 | 4°17 | 2°50 | 14°16 | 25°36 | 16°D36 | 17°57 | 2°11 | 8°37 | T 23 |
| F 24 | 0 44 3 | 9° 5'14 | 24°44 | 29°R33 | 12°45 | 3°11 | 7° 1 | 4°24 | 2°54 | 14°15 | 25°36 | 16°36 | 17°54 | 2°17 | 8°34 | F 24 |
| S 25 | 0 48 0 | 10° 4'40 | 6♐50 | 29°28 | 14° 0 | 3°51 | 7°13 | 4°31 | 2°57 | 14°14 | 25°35 | 16°37 | 17°51 | 2°24 | 8°31 | S 25 |
| S 26 | 0 51 56 | 11° 4'07 | 18°47 | 29°15 | 15°15 | 4°30 | 7°25 | 4°37 | 3° 1 | 14°12 | 25°34 | 16°39 | 17°48 | 2°31 | 8°29 | S 26 |
| M27 | 0 55 53 | 12° 3'36 | 0♑37 | 28°53 | 16°30 | 5° 9 | 7°38 | 4°44 | 3° 5 | 14°11 | 25°33 | 16°41 | 17°45 | 2°37 | 8°26 | M27 |
| T 28 | 0 59 49 | 13° 3'08 | 12°28 | 28°24 | 17°45 | 5°49 | 7°51 | 4°50 | 3° 8 | 14° 9 | 25°33 | 16°R41 | 17°41 | 2°44 | 8°23 | T 28 |
| W29 | 1 3 46 | 14° 2'41 | 24°23 | 27°46 | 19° 0 | 6°28 | 8° 3 | 4°57 | 3°12 | 14° 8 | 25°32 | 16°41 | 17°38 | 2°51 | 8°20 | W29 |
| T 30 | 1 7 42 | 15♎ 2'15 | 6♒28 | 26♎59 | 20♎15 | 7♎ 8 | 8♏16 | 5♍ 3 | 3♏15 | 14♉ 7 | 25♉31 | 16♉39 | 17♉35 | 2♑57 | 8♈17 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 5n21 | 26s47 | 4s19 | 5s32 | 1s29 | 7n36 | 1n25 | 5n33 | 0n57 | 11s29 | 0n58 | 12n20 | 1n31 | 11s40 | 0n27 | 14n31 | 1s51 | 6n42 | 12s55 | 17n21 | 17n34 | 26s52 | 5n44 | 2n | 4 |
| T 2 | 4 59 | 25 11 | 4 47 | 6 10 | 1 37 | 7 7 | 1 25 | 5 18 | 0 57 | 11 33 | 0 58 | 12 17 | 1 31 | 11 41 | 0 27 | 14 31 | 1 51 | 6 42 | 12 55 | 17 20 | 17 33 | 26 53 | 5 43 | 2 | 4 |
| F 3 | 4 36 | 22 24 | 5 2 | 6 47 | 1 45 | 6 38 | 1 25 | 5 2 | 0 56 | 11 37 | 0 58 | 12 15 | 1 31 | 11 42 | 0 27 | 14 31 | 1 51 | 6 42 | 12 55 | 17 17 | 17 32 | 26 54 | 5 42 | 2 | 4 |
| S 4 | 4 13 | 18 31 | 5 3 | 7 23 | 1 52 | 6 9 | 1 25 | 4 46 | 0 56 | 11 40 | 0 57 | 12 12 | 1 31 | 11 43 | 0 27 | 14 31 | 1 51 | 6 41 | 12 56 | 17 14 | 17 31 | 26 54 | 5 40 | 2 | 4 |
| S 5 | 3 49 | 13 44 | 4 49 | 7 59 | 2 0 | 5 39 | 1 24 | 4 31 | 0 56 | 11 44 | 0 57 | 12 10 | 1 32 | 11 44 | 0 27 | 14 30 | 1 51 | 6 41 | 12 56 | 17 12 | 17 30 | 26 55 | 5 39 | 2 | 4 |
| M 6 | 3 26 | 8 14 | 4 20 | 8 33 | 2 8 | 5 9 | 1 24 | 4 15 | 0 55 | 11 48 | 0 57 | 12 7 | 1 32 | 11 46 | 0 27 | 14 30 | 1 51 | 6 41 | 12 56 | 17 9 | 17 29 | 26 56 | 5 38 | 2 | 4 |
| T 7 | 3 3 | 2 16 | 3 36 | 9 7 | 2 15 | 4 40 | 1 24 | 3 59 | 0 55 | 11 52 | 0 57 | 12 5 | 1 32 | 11 47 | 0 27 | 14 30 | 1 51 | 6 40 | 12 56 | 17 6 | 17 28 | 26 56 | 5 37 | 2 | 4 |
| W 8 | 2 40 | 3n55 | 2 39 | 9 39 | 2 23 | 4 10 | 1 23 | 3 44 | 0 55 | 11 56 | 0 57 | 12 2 | 1 32 | 11 48 | 0 27 | 14 29 | 1 51 | 6 40 | 12 57 | 17 5 | 17 28 | 26 57 | 5 36 | 2 | 4 |
| T 9 | 2 16 | 10 0 | 1 33 | 10 10 | 2 30 | 3 39 | 1 23 | 3 28 | 0 54 | 12 1 | 0 57 | 12 0 | 1 32 | 11 49 | 0 27 | 14 29 | 1 51 | 6 40 | 12 57 | 17 4 | 17 27 | 26 58 | 5 35 | 2 | 4 |
| F 10 | 1 53 | 15 41 | 0 20 | 10 41 | 2 37 | 3 9 | 1 22 | 3 12 | 0 54 | 12 5 | 0 57 | 11 57 | 1 32 | 11 50 | 0 27 | 14 29 | 1 51 | 6 40 | 12 57 | 17 3 | 17 26 | 26 58 | 5 34 | 2 | 4 |
| S 11 | 1 29 | 20 36 | 0n55 | 11 10 | 2 43 | 2 39 | 1 22 | 2 56 | 0 54 | 12 9 | 0 56 | 11 55 | 1 32 | 11 51 | 0 27 | 14 29 | 1 51 | 6 39 | 12 57 | 17 3 | 17 25 | 26 59 | 5 33 | 2 | 4 |
| S 12 | 1 6 | 24 22 | 2 7 | 11 37 | 2 50 | 2 8 | 1 21 | 2 41 | 0 53 | 12 13 | 0 56 | 11 52 | 1 32 | 11 52 | 0 27 | 14 28 | 1 51 | 6 39 | 12 57 | 17 4 | 17 24 | 27 0 | 5 32 | 2 | 4 |
| M13 | 0 42 | 26 39 | 3 12 | 12 3 | 2 56 | 1 38 | 1 21 | 2 25 | 0 53 | 12 17 | 0 56 | 11 50 | 1 33 | 11 53 | 0 27 | 14 28 | 1 51 | 6 39 | 12 58 | 17 4 | 17 23 | 27 0 | 5 31 | 2 | 4 |
| T 14 | 0 19 | 27 13 | 4 5 | 12 28 | 3 1 | 1 7 | 1 20 | 2 9 | 0 53 | 12 21 | 0 56 | 11 47 | 1 33 | 11 54 | 0 27 | 14 27 | 1 51 | 6 38 | 12 58 | 17 4 | 17 22 | 27 1 | 5 29 | 2 | 4 |
| W15 | 0s 5 | 26 1 | 4 44 | 12 51 | 3 7 | 0 36 | 1 19 | 1 53 | 0 52 | 12 25 | 0 56 | 11 45 | 1 33 | 11 56 | 0 27 | 14 27 | 1 51 | 6 38 | 12 58 | 17 3 | 17 21 | 27 1 | 5 28 | 2 | 4 |
| T 16 | 0 28 | 23 9 | 5 4 | 13 12 | 3 11 | 0 6 | 1 18 | 1 37 | 0 52 | 12 29 | 0 56 | 11 42 | 1 33 | 11 57 | 0 27 | 14 27 | 1 51 | 6 38 | 12 58 | 17 2 | 17 21 | 27 2 | 5 27 | 2 | 4 |
| F 17 | 0 52 | 18 55 | 5 7 | 13 31 | 3 16 | 0s25 | 1 17 | 1 21 | 0 52 | 12 33 | 0 56 | 11 40 | 1 33 | 11 58 | 0 27 | 14 26 | 1 51 | 6 37 | 12 58 | 17 0 | 17 20 | 27 2 | 5 26 | 2 | 4 |
| S 18 | 1 16 | 13 43 | 4 51 | 13 48 | 3 20 | 0 56 | 1 16 | 1 5 | 0 51 | 12 37 | 0 55 | 11 37 | 1 33 | 11 59 | 0 27 | 14 26 | 1 51 | 6 37 | 12 59 | 16 58 | 17 19 | 27 3 | 5 25 | 2 | 3 |
| S 19 | 1 39 | 7 53 | 4 18 | 14 3 | 3 23 | 1 26 | 1 15 | 0 49 | 0 51 | 12 41 | 0 55 | 11 35 | 1 33 | 12 0 | 0 27 | 14 26 | 1 51 | 6 37 | 12 59 | 16 56 | 17 18 | 27 4 | 5 24 | 2 | 3 |
| M20 | 2 3 | 1 47 | 3 32 | 14 15 | 3 25 | 1 57 | 1 14 | 0 33 | 0 51 | 12 46 | 0 55 | 11 33 | 1 33 | 12 1 | 0 27 | 14 25 | 1 51 | 6 36 | 12 59 | 16 54 | 17 17 | 27 4 | 5 22 | 2 | 3 |
| T 21 | 2 26 | 4s17 | 2 34 | 14 24 | 3 27 | 2 28 | 1 13 | 0 17 | 0 50 | 12 50 | 0 55 | 11 30 | 1 34 | 12 3 | 0 26 | 14 25 | 1 51 | 6 36 | 12 59 | 16 53 | 17 16 | 27 5 | 5 21 | 2 | 3 |
| W22 | 2 50 | 10 2 | 1 30 | 14 30 | 3 27 | 2 59 | 1 11 | 0 1 | 0 50 | 12 54 | 0 55 | 11 28 | 1 34 | 12 4 | 0 26 | 14 24 | 1 51 | 6 36 | 12 59 | 16 52 | 17 15 | 27 5 | 5 20 | 2 | 3 |
| T 23 | 3 13 | 15 15 | 0 23 | 14 33 | 3 27 | 3 29 | 1 10 | 0s15 | 0 50 | 12 58 | 0 55 | 11 26 | 1 34 | 12 5 | 0 26 | 14 24 | 1 52 | 6 35 | 12 59 | 16 51 | 17 14 | 27 6 | 5 19 | 2 | 3 |
| F 24 | 3 37 | 19 44 | 0s44 | 14 33 | 3 25 | 4 0 | 1 9 | 0 31 | 0 49 | 13 2 | 0 55 | 11 23 | 1 34 | 12 6 | 0 26 | 14 24 | 1 52 | 6 35 | 13 0 | 16 51 | 17 13 | 27 6 | 5 18 | 2 | 3 |
| S 25 | 4 0 | 23 18 | 1 48 | 14 28 | 3 22 | 4 30 | 1 7 | 0 47 | 0 49 | 13 6 | 0 55 | 11 21 | 1 34 | 12 8 | 0 26 | 14 23 | 1 52 | 6 35 | 13 0 | 16 52 | 17 13 | 27 7 | 5 16 | 2 | 3 |
| S 26 | 4 24 | 25 49 | 2 47 | 14 20 | 3 18 | 5 1 | 1 6 | 1 3 | 0 48 | 13 11 | 0 54 | 11 19 | 1 34 | 12 9 | 0 26 | 14 23 | 1 52 | 6 34 | 13 0 | 16 52 | 17 12 | 27 7 | 5 15 | 2 | 3 |
| M27 | 4 47 | 27 8 | 3 37 | 14 7 | 3 13 | 5 31 | 1 4 | 1 19 | 0 48 | 13 15 | 0 54 | 11 16 | 1 35 | 12 10 | 0 26 | 14 22 | 1 52 | 6 34 | 13 0 | 16 53 | 17 11 | 27 8 | 5 14 | 2 | 3 |
| T 28 | 5 10 | 27 14 | 4 19 | 13 49 | 3 5 | 6 1 | 1 3 | 1 35 | 0 48 | 13 19 | 0 54 | 11 14 | 1 35 | 12 11 | 0 26 | 14 22 | 1 52 | 6 34 | 13 0 | 16 53 | 17 10 | 27 8 | 5 13 | 2 | 3 |
| W29 | 5 33 | 26 4 | 4 50 | 13 27 | 2 56 | 6 31 | 1 1 | 1 51 | 0 47 | 13 23 | 0 54 | 11 12 | 1 35 | 12 12 | 0 26 | 14 21 | 1 52 | 6 33 | 13 0 | 16 53 | 17 9 | 27 9 | 5 12 | 2 | 3 |
| T 30 | 5s57 | 23s41 | 5s 8 | 13s 0 | 2s45 | 7s 1 | 0n59 | 2s 7 | 0n47 | 13s27 | 0n54 | 11n10 | 1n35 | 12s14 | 0n26 | 14n21 | 1s52 | 6n33 | 13s 1 | 16n52 | 17n 8 | 27s 9 | 5n10 | 2n | 3 |

Julian Day Number = 2228633.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'36, Lahiri = 15°20'36 Julian Calendar 1 Sept. 1389 == Greg. Calendar 9 Sept. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## OCTOBER 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 11 39 | 16♎ 1'52 | 18♒47 | 26°R 5 | 21♎30 | 7♎48 | 8♏29 | 5♍10 | 3♏19 | 14°R 5 | 25°R30 | 16°R35 | 17♉32 | 3♋ 4 | 8°R15 | F 1 |
| S 2 | 1 15 35 | 17° 1'30 | 1♓23 | 25♎ 3 | 22°45 | 8°27 | 8°41 | 5°16 | 3°23 | 14♉ 4 | 25♉29 | 16♉31 | 17°29 | 3°11 | 8♈12 | S 2 |
| S 3 | 1 19 32 | 18° 1'10 | 14°19 | 23°55 | 24° 0 | 9° 7 | 8°54 | 5°22 | 3°26 | 14° 2 | 25°29 | 16°26 | 17°26 | 3°18 | 8° 9 | S 3 |
| M 4 | 1 23 29 | 19° 0'52 | 27°36 | 22°43 | 25°16 | 9°46 | 9° 7 | 5°28 | 3°30 | 14° 1 | 25°28 | 16°22 | 17°22 | 3°24 | 8° 6 | M 4 |
| T 5 | 1 27 25 | 20° 0'36 | 11♈13 | 21°28 | 26°31 | 10°26 | 9°20 | 5°35 | 3°34 | 13°59 | 25°27 | 16°18 | 17°19 | 3°31 | 8° 4 | T 5 |
| W 6 | 1 31 22 | 21° 0'21 | 25° 8 | 20°13 | 27°46 | 11° 6 | 9°33 | 5°41 | 3°37 | 13°58 | 25°26 | 16°15 | 17°16 | 3°38 | 8° 1 | W 6 |
| T 7 | 1 35 18 | 22° 0'09 | 9♉17 | 18°59 | 29° 1 | 11°46 | 9°46 | 5°47 | 3°41 | 13°56 | 25°25 | 16°D14 | 17°13 | 3°44 | 7°58 | T 7 |
| F 8 | 1 39 15 | 22°59'59 | 23°36 | 17°49 | 0♏16 | 12°25 | 9°58 | 5°53 | 3°45 | 13°55 | 25°24 | 16°14 | 17°10 | 3°51 | 7°55 | F 8 |
| S 9 | 1 43 11 | 23°59'51 | 7♊59 | 16°46 | 1°31 | 13° 5 | 10°11 | 5°59 | 3°48 | 13°53 | 25°23 | 16°15 | 17° 7 | 3°58 | 7°53 | S 9 |
| S 10 | 1 47 8 | 24°59'46 | 22°23 | 15°50 | 2°46 | 13°45 | 10°24 | 6° 4 | 3°52 | 13°52 | 25°22 | 16°16 | 17° 3 | 4° 4 | 7°50 | S 10 |
| M11 | 1 51 4 | 25°59'42 | 6♋44 | 15° 4 | 4° 1 | 14°25 | 10°37 | 6°10 | 3°56 | 13°50 | 25°21 | 16°18 | 17° 0 | 4°11 | 7°47 | M11 |
| T 12 | 1 55 1 | 26°59'41 | 20°58 | 14°28 | 5°16 | 15° 5 | 10°51 | 6°16 | 3°59 | 13°48 | 25°20 | 16°R18 | 16°57 | 4°18 | 7°45 | T 12 |
| W13 | 1 58 58 | 27°59'42 | 5♌ 4 | 14° 4 | 6°31 | 15°45 | 11° 4 | 6°22 | 4° 3 | 13°47 | 25°19 | 16°18 | 16°54 | 4°24 | 7°42 | W13 |
| T 14 | 2 2 54 | 28°59'45 | 18°59 | 13°51 | 7°47 | 16°25 | 11°17 | 6°27 | 4° 7 | 13°45 | 25°18 | 16°17 | 16°51 | 4°31 | 7°39 | T 14 |
| F 15 | 2 6 51 | 29°59'51 | 2♍43 | 13°D50 | 9° 2 | 17° 5 | 11°30 | 6°33 | 4°11 | 13°43 | 25°17 | 16°16 | 16°47 | 4°38 | 7°37 | F 15 |
| S 16 | 2 10 47 | 0♏59'58 | 16°16 | 14° 0 | 10°17 | 17°45 | 11°43 | 6°38 | 4°14 | 13°42 | 25°16 | 16°14 | 16°44 | 4°44 | 7°34 | S 16 |
| S 17 | 2 14 44 | 2° 0'08 | 29°35 | 14°20 | 11°32 | 18°25 | 11°56 | 6°44 | 4°18 | 13°40 | 25°15 | 16°12 | 16°41 | 4°51 | 7°32 | S 17 |
| M18 | 2 18 40 | 3° 0'19 | 12♎41 | 14°50 | 12°47 | 19° 5 | 12° 9 | 6°49 | 4°22 | 13°39 | 25°14 | 16°10 | 16°38 | 4°58 | 7°29 | M18 |
| T 19 | 2 22 37 | 4° 0'33 | 25°33 | 15°29 | 14° 2 | 19°45 | 12°23 | 6°54 | 4°26 | 13°37 | 25°13 | 16° 8 | 16°35 | 5° 5 | 7°27 | T 19 |
| W20 | 2 26 33 | 5° 0'48 | 8♏10 | 16°16 | 15°17 | 20°25 | 12°36 | 6°59 | 4°29 | 13°35 | 25°12 | 16° 8 | 16°32 | 5°11 | 7°24 | W20 |
| T 21 | 2 30 30 | 6° 1'05 | 20°35 | 17°10 | 16°33 | 21° 5 | 12°49 | 7° 4 | 4°33 | 13°33 | 25°11 | 16°D 8 | 16°28 | 5°18 | 7°22 | T 21 |
| F 22 | 2 34 27 | 7° 1'24 | 2♐48 | 18°10 | 17°48 | 21°46 | 13° 2 | 7° 9 | 4°37 | 13°32 | 25°10 | 16° 8 | 16°25 | 5°25 | 7°20 | F 22 |
| S 23 | 2 38 23 | 8° 1'45 | 14°50 | 19°16 | 19° 3 | 22°26 | 13°16 | 7°14 | 4°41 | 13°30 | 25° 9 | 16° 9 | 16°22 | 5°31 | 7°17 | S 23 |
| S 24 | 2 42 20 | 9° 2'07 | 26°44 | 20°27 | 20°18 | 23° 6 | 13°29 | 7°19 | 4°44 | 13°28 | 25° 8 | 16°10 | 16°19 | 5°38 | 7°15 | S 24 |
| M25 | 2 46 16 | 10° 2'31 | 8♑35 | 21°41 | 21°33 | 23°46 | 13°42 | 7°24 | 4°48 | 13°27 | 25° 7 | 16°10 | 16°16 | 5°45 | 7°13 | M25 |
| T 26 | 2 50 13 | 11° 2'56 | 20°25 | 22°59 | 22°48 | 24°27 | 13°55 | 7°29 | 4°52 | 13°25 | 25° 6 | 16°11 | 16°12 | 5°51 | 7°10 | T 26 |
| W27 | 2 54 9 | 12° 3'23 | 2♒19 | 24°20 | 24° 3 | 25° 7 | 14° 9 | 7°33 | 4°56 | 13°23 | 25° 5 | 16°11 | 16° 9 | 5°58 | 7° 8 | W27 |
| T 28 | 2 58 6 | 13° 3'51 | 14°21 | 25°44 | 25°19 | 25°48 | 14°22 | 7°38 | 4°59 | 13°22 | 25° 3 | 16°R11 | 16° 6 | 6° 5 | 7° 6 | T 28 |
| F 29 | 3 2 2 | 14° 4'20 | 26°37 | 27° 9 | 26°34 | 26°28 | 14°35 | 7°42 | 5° 3 | 13°20 | 25° 2 | 16°11 | 16° 3 | 6°11 | 7° 4 | F 29 |
| S 30 | 3 5 59 | 15° 4'51 | 9♓11 | 28°36 | 27°49 | 27° 9 | 14°49 | 7°47 | 5° 7 | 13°18 | 25° 1 | 16°11 | 16° 0 | 6°18 | 7° 2 | S 30 |
| S 31 | 3 9 56 | 16♏ 5'23 | 22♓ 6 | 0♏ 5 | 29♏ 4 | 27♎49 | 15♏ 2 | 7♍51 | 5♏10 | 13♉17 | 25♉ 0 | 16°D11 | 15♉57 | 6♋25 | 7♈ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6s20 | 20s11 | 5s12 | 12s28 | 2s32 | 7s31 | 0n58 | 2s23 | 0n47 | 13s32 | 0n54 | 11n 8 | 1n35 | 12s15 | 0n26 | 14n20 | 1s52 | 6n33 | 13s 1 | 16n51 | 17n 7 | 27s10 | 5n 9 | 2n 2 |
| S 2 | 6 43 | 15 43 | 5 2 | 11 52 | 2 18 | 8 1 | 0 56 | 2 39 | 0 46 | 13 36 | 0 54 | 11 5 | 1 35 | 12 16 | 0 26 | 14 20 | 1 52 | 6 32 | 13 1 | 16 50 | 17 6 | 27 10 | 5 8 | 2 2 |
| S 3 | 7 5 | 10 26 | 4 37 | 11 12 | 2 1 | 8 30 | 0 54 | 2 55 | 0 46 | 13 40 | 0 54 | 11 3 | 1 36 | 12 17 | 0 26 | 14 20 | 1 52 | 6 32 | 13 1 | 16 49 | 17 5 | 27 11 | 5 7 | 2 2 |
| M 4 | 7 28 | 4 33 | 3 56 | 10 28 | 1 44 | 9 0 | 0 52 | 3 11 | 0 45 | 13 44 | 0 54 | 11 1 | 1 36 | 12 19 | 0 26 | 14 19 | 1 52 | 6 32 | 13 1 | 16 47 | 17 5 | 27 11 | 5 6 | 2 2 |
| T 5 | 7 51 | 1n41 | 3 1 | 9 42 | 1 24 | 9 29 | 0 50 | 3 27 | 0 45 | 13 48 | 0 53 | 10 59 | 1 36 | 12 20 | 0 26 | 14 19 | 1 52 | 6 31 | 13 1 | 16 46 | 17 4 | 27 11 | 5 4 | 2 2 |
| W 6 | 8 13 | 8 0 | 1 53 | 8 55 | 1 4 | 9 57 | 0 49 | 3 43 | 0 45 | 13 53 | 0 53 | 10 57 | 1 36 | 12 21 | 0 26 | 14 18 | 1 52 | 6 31 | 13 1 | 16 45 | 17 3 | 27 12 | 5 3 | 2 2 |
| T 7 | 8 36 | 14 2 | 0 38 | 8 8 | 0 44 | 10 26 | 0 47 | 3 59 | 0 44 | 13 57 | 0 53 | 10 55 | 1 36 | 12 23 | 0 26 | 14 18 | 1 52 | 6 31 | 13 2 | 16 45 | 17 2 | 27 12 | 5 2 | 2 2 |
| F 8 | 8 58 | 19 23 | 0n40 | 7 22 | 0 23 | 10 54 | 0 45 | 4 15 | 0 44 | 14 1 | 0 53 | 10 53 | 1 36 | 12 24 | 0 26 | 14 17 | 1 52 | 6 31 | 13 2 | 16 45 | 17 1 | 27 13 | 5 1 | 2 2 |
| S 9 | 9 20 | 23 38 | 1 57 | 6 39 | 0 3 | 11 23 | 0 43 | 4 31 | 0 43 | 14 5 | 0 53 | 10 51 | 1 37 | 12 25 | 0 26 | 14 17 | 1 52 | 6 30 | 13 2 | 16 45 | 17 0 | 27 13 | 5 0 | 2 2 |
| S 10 | 9 42 | 26 24 | 3 6 | 5 59 | 0n17 | 11 50 | 0 40 | 4 47 | 0 43 | 14 9 | 0 53 | 10 49 | 1 37 | 12 26 | 0 26 | 14 16 | 1 52 | 6 30 | 13 2 | 16 46 | 16 59 | 27 13 | 4 59 | 2 2 |
| M11 | 10 4 | 27 24 | 4 4 | 5 24 | 0 36 | 12 18 | 0 38 | 5 3 | 0 43 | 14 13 | 0 53 | 10 47 | 1 37 | 12 28 | 0 26 | 14 16 | 1 52 | 6 30 | 13 2 | 16 46 | 16 58 | 27 14 | 4 57 | 2 1 |
| T 12 | 10 26 | 26 35 | 4 45 | 4 55 | 0 53 | 12 45 | 0 36 | 5 19 | 0 42 | 14 18 | 0 53 | 10 45 | 1 37 | 12 29 | 0 26 | 14 15 | 1 52 | 6 29 | 13 2 | 16 46 | 16 57 | 27 14 | 4 56 | 2 1 |
| W13 | 10 48 | 24 4 | 5 10 | 4 31 | 1 8 | 13 12 | 0 34 | 5 35 | 0 42 | 14 22 | 0 53 | 10 43 | 1 37 | 12 30 | 0 26 | 14 15 | 1 52 | 6 29 | 13 2 | 16 46 | 16 56 | 27 15 | 4 55 | 2 1 |
| T 14 | 11 9 | 20 10 | 5 15 | 4 13 | 1 22 | 13 39 | 0 32 | 5 50 | 0 41 | 14 26 | 0 53 | 10 41 | 1 38 | 12 31 | 0 26 | 14 14 | 1 52 | 6 29 | 13 2 | 16 46 | 16 56 | 27 15 | 4 54 | 2 1 |
| F 15 | 11 31 | 15 14 | 5 3 | 4 1 | 1 35 | 14 5 | 0 30 | 6 6 | 0 41 | 14 30 | 0 53 | 10 39 | 1 38 | 12 33 | 0 26 | 14 14 | 1 52 | 6 28 | 13 2 | 16 46 | 16 55 | 27 15 | 4 53 | 2 1 |
| S 16 | 11 52 | 9 38 | 4 34 | 3 55 | 1 45 | 14 31 | 0 27 | 6 22 | 0 40 | 14 34 | 0 52 | 10 37 | 1 38 | 12 34 | 0 26 | 14 13 | 1 52 | 6 28 | 13 2 | 16 45 | 16 54 | 27 16 | 4 52 | 2 1 |
| S 17 | 12 13 | 3 41 | 3 50 | 3 55 | 1 54 | 14 57 | 0 25 | 6 38 | 0 40 | 14 38 | 0 52 | 10 35 | 1 38 | 12 35 | 0 26 | 14 13 | 1 52 | 6 28 | 13 3 | 16 44 | 16 53 | 27 16 | 4 51 | 2 1 |
| M18 | 12 33 | 2s21 | 2 55 | 4 0 | 2 1 | 15 22 | 0 23 | 6 53 | 0 40 | 14 42 | 0 52 | 10 34 | 1 38 | 12 37 | 0 26 | 14 12 | 1 52 | 6 27 | 13 3 | 16 44 | 16 52 | 27 16 | 4 50 | 2 1 |
| T 19 | 12 54 | 8 11 | 1 52 | 4 10 | 2 6 | 15 47 | 0 20 | 7 9 | 0 39 | 14 46 | 0 52 | 10 32 | 1 39 | 12 38 | 0 26 | 14 12 | 1 52 | 6 27 | 13 3 | 16 43 | 16 51 | 27 17 | 4 48 | 2 0 |
| W20 | 13 14 | 13 35 | 0 44 | 4 25 | 2 10 | 16 11 | 0 18 | 7 24 | 0 39 | 14 51 | 0 52 | 10 30 | 1 39 | 12 39 | 0 26 | 14 11 | 1 52 | 6 27 | 13 3 | 16 43 | 16 50 | 27 17 | 4 47 | 2 0 |
| T 21 | 13 34 | 18 21 | 0s25 | 4 43 | 2 13 | 16 35 | 0 16 | 7 40 | 0 38 | 14 55 | 0 52 | 10 28 | 1 39 | 12 40 | 0 26 | 14 11 | 1 52 | 6 27 | 13 3 | 16 43 | 16 49 | 27 17 | 4 46 | 2 0 |
| F 22 | 13 54 | 22 17 | 1 31 | 5 4 | 2 15 | 16 59 | 0 13 | 7 55 | 0 38 | 14 59 | 0 52 | 10 27 | 1 39 | 12 42 | 0 26 | 14 10 | 1 52 | 6 26 | 13 3 | 16 43 | 16 48 | 27 18 | 4 45 | 2 0 |
| S 23 | 14 14 | 25 11 | 2 33 | 5 29 | 2 15 | 17 22 | 0 11 | 8 11 | 0 37 | 15 3 | 0 52 | 10 25 | 1 39 | 12 43 | 0 26 | 14 10 | 1 52 | 6 26 | 13 3 | 16 44 | 16 47 | 27 18 | 4 44 | 2 0 |
| S 24 | 14 33 | 26 55 | 3 27 | 5 56 | 2 14 | 17 45 | 0 8 | 8 26 | 0 37 | 15 7 | 0 52 | 10 24 | 1 40 | 12 44 | 0 26 | 14 9 | 1 52 | 6 26 | 13 3 | 16 44 | 16 46 | 27 18 | 4 43 | 2 0 |
| M25 | 14 53 | 27 26 | 4 12 | 6 25 | 2 13 | 18 7 | 0 6 | 8 42 | 0 36 | 15 11 | 0 52 | 10 22 | 1 40 | 12 45 | 0 26 | 14 9 | 1 52 | 6 25 | 13 3 | 16 44 | 16 45 | 27 18 | 4 42 | 2 0 |
| T 26 | 15 12 | 26 40 | 4 46 | 6 57 | 2 11 | 18 29 | 0 4 | 8 57 | 0 36 | 15 15 | 0 52 | 10 20 | 1 40 | 12 47 | 0 26 | 14 8 | 1 52 | 6 25 | 13 3 | 16 44 | 16 45 | 27 19 | 4 41 | 1 59 |
| W27 | 15 30 | 24 43 | 5 8 | 7 29 | 2 8 | 18 50 | 0 1 | 9 12 | 0 35 | 15 19 | 0 52 | 10 19 | 1 40 | 12 48 | 0 26 | 14 8 | 1 52 | 6 25 | 13 3 | 16 44 | 16 44 | 27 19 | 4 40 | 1 59 |
| T 28 | 15 49 | 21 38 | 5 17 | 8 3 | 2 4 | 19 11 | 0s 1 | 9 27 | 0 35 | 15 23 | 0 52 | 10 17 | 1 40 | 12 49 | 0 26 | 14 7 | 1 52 | 6 25 | 13 3 | 16 44 | 16 43 | 27 19 | 4 39 | 1 59 |
| F 29 | 16 7 | 17 34 | 5 12 | 8 38 | 2 0 | 19 31 | 0 4 | 9 43 | 0 34 | 15 27 | 0 52 | 10 16 | 1 41 | 12 50 | 0 26 | 14 7 | 1 52 | 6 24 | 13 3 | 16 44 | 16 42 | 27 19 | 4 38 | 1 59 |
| S 30 | 16 25 | 12 40 | 4 52 | 9 13 | 1 55 | 19 51 | 0 6 | 9 58 | 0 34 | 15 31 | 0 52 | 10 14 | 1 41 | 12 52 | 0 26 | 14 6 | 1 52 | 6 24 | 13 3 | 16 44 | 16 41 | 27 20 | 4 37 | 1 59 |
| S 31 | 16s43 | 7s 5 | 4s17 | 9s49 | 1n50 | 20s10 | 0s 9 | 10s13 | 0n34 | 15s35 | 0n51 | 10n13 | 1n41 | 12s53 | 0n26 | 14n 6 | 1s52 | 6n24 | 13s 3 | 16n44 | 16n40 | 27s20 | 4n36 | 1n59 |

Julian Day Number = 2228663.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'40, Lahiri = 15°20'40 Julian Calendar 1 Oct. 1389 == Greg. Calendar 9 Oct. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## NOVEMBER 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 13 52 | 17♏ 5'56 | 5♈25 | 1♏35 | 0♐19 | 28♎30 | 15♏15 | 7♍55 | 5♏14 | 13°R15 | 24°R59 | 16♉11 | 15♉53 | 6♑32 | 6°R58 | M 1 |
| T 2 | 3 17 49 | 18° 6'30 | 19° 9 | 3° 6 | 1°34 | 29°10 | 15°29 | 7°59 | 5°18 | 13♉13 | 24♉58 | 16°11 | 15°50 | 6°38 | 6♈56 | T 2 |
| W 3 | 3 21 45 | 19° 7'06 | 3♉18 | 4°38 | 2°49 | 29°51 | 15°42 | 8° 3 | 5°22 | 13°12 | 24°57 | 16°11 | 15°47 | 6°45 | 6°54 | W 3 |
| T 4 | 3 25 42 | 20° 7'43 | 17°47 | 6°10 | 4° 4 | 0♏31 | 15°55 | 8° 7 | 5°25 | 13°10 | 24°56 | 16°R12 | 15°44 | 6°52 | 6°52 | T 4 |
| F 5 | 3 29 38 | 21° 8'22 | 2♊31 | 7°43 | 5°20 | 1°12 | 16° 9 | 8°11 | 5°29 | 13° 8 | 24°54 | 16°11 | 15°41 | 6°58 | 6°50 | F 5 |
| S 6 | 3 33 35 | 22° 9'03 | 17°22 | 9°16 | 6°35 | 1°53 | 16°22 | 8°15 | 5°32 | 13° 6 | 24°53 | 16°11 | 15°38 | 7° 5 | 6°48 | S 6 |
| S 7 | 3 37 31 | 23° 9'45 | 2♋14 | 10°49 | 7°50 | 2°34 | 16°35 | 8°18 | 5°36 | 13° 5 | 24°52 | 16°10 | 15°34 | 7°12 | 6°47 | S 7 |
| M 8 | 3 41 28 | 24°10'28 | 16°59 | 12°23 | 9° 5 | 3°14 | 16°48 | 8°22 | 5°40 | 13° 3 | 24°51 | 16° 9 | 15°31 | 7°18 | 6°45 | M 8 |
| T 9 | 3 45 25 | 25°11'13 | 1♌30 | 13°57 | 10°20 | 3°55 | 17° 2 | 8°25 | 5°43 | 13° 1 | 24°50 | 16° 8 | 15°28 | 7°25 | 6°43 | T 9 |
| W10 | 3 49 21 | 26°12'00 | 15°44 | 15°30 | 11°35 | 4°36 | 17°15 | 8°29 | 5°47 | 13° 0 | 24°49 | 16° 8 | 15°25 | 7°32 | 6°42 | W10 |
| T 11 | 3 53 18 | 27°12'48 | 29°38 | 17° 4 | 12°50 | 5°17 | 17°28 | 8°32 | 5°51 | 12°58 | 24°48 | 16°D 8 | 15°22 | 7°38 | 6°40 | T 11 |
| F 12 | 3 57 14 | 28°13'38 | 13♍13 | 18°38 | 14° 5 | 5°58 | 17°41 | 8°35 | 5°54 | 12°57 | 24°47 | 16° 8 | 15°18 | 7°45 | 6°39 | F 12 |
| S 13 | 4 1 11 | 29°14'29 | 26°29 | 20°13 | 15°20 | 6°39 | 17°55 | 8°38 | 5°58 | 12°55 | 24°45 | 16° 9 | 15°15 | 7°52 | 6°37 | S 13 |
| S 14 | 4 5 7 | 0♐15'22 | 9♎28 | 21°47 | 16°36 | 7°20 | 18° 8 | 8°41 | 6° 1 | 12°53 | 24°44 | 16°10 | 15°12 | 7°59 | 6°36 | S 14 |
| M15 | 4 9 4 | 1°16'16 | 22°12 | 23°21 | 17°51 | 8° 1 | 18°21 | 8°44 | 6° 5 | 12°52 | 24°43 | 16°11 | 15° 9 | 8° 5 | 6°34 | M15 |
| T 16 | 4 13 0 | 2°17'11 | 4♏43 | 24°55 | 19° 6 | 8°42 | 18°34 | 8°47 | 6° 8 | 12°50 | 24°42 | 16°12 | 15° 6 | 8°12 | 6°33 | T 16 |
| W17 | 4 16 57 | 3°18'07 | 17° 2 | 26°29 | 20°21 | 9°23 | 18°47 | 8°50 | 6°12 | 12°49 | 24°41 | 16°R13 | 15° 3 | 8°19 | 6°32 | W17 |
| T 18 | 4 20 54 | 4°19'05 | 29°13 | 28° 3 | 21°36 | 10° 4 | 19° 0 | 8°52 | 6°15 | 12°47 | 24°40 | 16°12 | 14°59 | 8°25 | 6°31 | T 18 |
| F 19 | 4 24 50 | 5°20'04 | 11♐16 | 29°37 | 22°51 | 10°45 | 19°13 | 8°55 | 6°18 | 12°45 | 24°39 | 16°11 | 14°56 | 8°32 | 6°29 | F 19 |
| S 20 | 4 28 47 | 6°21'04 | 23°12 | 1♐11 | 24° 6 | 11°26 | 19°27 | 8°57 | 6°22 | 12°44 | 24°38 | 16° 8 | 14°53 | 8°39 | 6°28 | S 20 |
| S 21 | 4 32 43 | 7°22'05 | 5♑ 5 | 2°45 | 25°21 | 12° 8 | 19°40 | 8°59 | 6°25 | 12°42 | 24°36 | 16° 5 | 14°50 | 8°45 | 6°27 | S 21 |
| M22 | 4 36 40 | 8°23'06 | 16°54 | 4°19 | 26°36 | 12°49 | 19°53 | 9° 2 | 6°28 | 12°41 | 24°35 | 16° 1 | 14°47 | 8°52 | 6°26 | M22 |
| T 23 | 4 40 36 | 9°24'08 | 28°45 | 5°53 | 27°51 | 13°30 | 20° 6 | 9° 4 | 6°32 | 12°39 | 24°34 | 15°57 | 14°44 | 8°59 | 6°25 | T 23 |
| W24 | 4 44 33 | 10°25'11 | 10♒38 | 7°27 | 29° 6 | 14°12 | 20°18 | 9° 6 | 6°35 | 12°38 | 24°33 | 15°53 | 14°40 | 9° 6 | 6°24 | W24 |
| T 25 | 4 48 30 | 11°26'15 | 22°39 | 9° 1 | 0♑21 | 14°53 | 20°31 | 9° 7 | 6°38 | 12°37 | 24°32 | 15°51 | 14°37 | 9°12 | 6°24 | T 25 |
| F 26 | 4 52 26 | 12°27'18 | 4♓51 | 10°36 | 1°36 | 15°34 | 20°44 | 9° 9 | 6°42 | 12°35 | 24°31 | 15°49 | 14°34 | 9°19 | 6°23 | F 26 |
| S 27 | 4 56 23 | 13°28'23 | 17°19 | 12°10 | 2°52 | 16°16 | 20°57 | 9°11 | 6°45 | 12°34 | 24°30 | 15°D49 | 14°31 | 9°26 | 6°22 | S 27 |
| S 28 | 5 0 19 | 14°29'27 | 0♈ 6 | 13°44 | 4° 7 | 16°57 | 21°10 | 9°12 | 6°48 | 12°32 | 24°29 | 15°50 | 14°28 | 9°32 | 6°21 | S 28 |
| M29 | 5 4 16 | 15°30'33 | 13°18 | 15°19 | 5°22 | 17°39 | 21°23 | 9°14 | 6°51 | 12°31 | 24°28 | 15°51 | 14°24 | 9°39 | 6°21 | M29 |
| T 30 | 5 8 12 | 16♐31'38 | 26♈56 | 16♐54 | 6♑37 | 18♏20 | 21♏35 | 9♍15 | 6♏54 | 12♉30 | 24♉27 | 15♉53 | 14♉21 | 9♑46 | 6♈20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17s 0 | 1s 1 | 3s28 | 10s25 | 1n45 | 20s28 | 0s11 | 10s28 | 0n33 | 15s39 | 0n51 | 10n12 | 1n41 | 12s54 | 0n26 | 14n 5 | 1s52 | 6n23 | 13s 3 | 16n44 | 16n39 | 27s20 | 4n35 | 1n59 |
| T 2 | 17 17 | 5n18 | 2 25 | 11 2 | 1 39 | 20 46 | 0 14 | 10 43 | 0 33 | 15 43 | 0 51 | 10 10 | 1 42 | 12 55 | 0 26 | 14 5 | 1 52 | 6 23 | 13 3 | 16 44 | 16 38 | 27 20 | 4 34 | 1 58 |
| W 3 | 17 34 | 11 32 | 1 11 | 11 38 | 1 34 | 21 4 | 0 16 | 10 57 | 0 32 | 15 47 | 0 51 | 10 9 | 1 42 | 12 57 | 0 26 | 14 4 | 1 52 | 6 23 | 13 3 | 16 44 | 16 37 | 27 21 | 4 33 | 1 58 |
| T 4 | 17 50 | 17 20 | 0n 9 | 12 15 | 1 27 | 21 20 | 0 19 | 11 12 | 0 32 | 15 51 | 0 51 | 10 8 | 1 42 | 12 58 | 0 26 | 14 4 | 1 52 | 6 23 | 13 3 | 16 44 | 16 36 | 27 21 | 4 33 | 1 58 |
| F 5 | 18 6 | 22 12 | 1 29 | 12 51 | 1 21 | 21 37 | 0 21 | 11 27 | 0 31 | 15 54 | 0 51 | 10 7 | 1 42 | 12 59 | 0 26 | 14 3 | 1 52 | 6 22 | 13 3 | 16 44 | 16 35 | 27 21 | 4 32 | 1 58 |
| S 6 | 18 22 | 25 39 | 2 45 | 13 27 | 1 14 | 21 52 | 0 24 | 11 41 | 0 31 | 15 58 | 0 51 | 10 5 | 1 43 | 13 0 | 0 26 | 14 3 | 1 52 | 6 22 | 13 3 | 16 44 | 16 34 | 27 21 | 4 31 | 1 58 |
| S 7 | 18 38 | 27 19 | 3 49 | 14 3 | 1 8 | 22 7 | 0 26 | 11 56 | 0 30 | 16 2 | 0 51 | 10 4 | 1 43 | 13 1 | 0 26 | 14 2 | 1 52 | 6 22 | 13 3 | 16 44 | 16 34 | 27 21 | 4 30 | 1 58 |
| M 8 | 18 53 | 27 1 | 4 37 | 14 38 | 1 1 | 22 21 | 0 28 | 12 10 | 0 30 | 16 6 | 0 51 | 10 3 | 1 43 | 13 3 | 0 26 | 14 2 | 1 52 | 6 22 | 13 3 | 16 44 | 16 33 | 27 22 | 4 29 | 1 57 |
| T 9 | 19 8 | 24 52 | 5 7 | 15 13 | 0 54 | 22 35 | 0 31 | 12 25 | 0 29 | 16 10 | 0 51 | 10 2 | 1 43 | 13 4 | 0 26 | 14 1 | 1 52 | 6 22 | 13 3 | 16 43 | 16 32 | 27 22 | 4 28 | 1 57 |
| W10 | 19 22 | 21 13 | 5 17 | 15 47 | 0 47 | 22 48 | 0 33 | 12 39 | 0 29 | 16 13 | 0 51 | 10 1 | 1 44 | 13 5 | 0 26 | 14 1 | 1 52 | 6 21 | 13 3 | 16 43 | 16 31 | 27 22 | 4 28 | 1 57 |
| T 11 | 19 36 | 16 26 | 5 8 | 16 21 | 0 40 | 23 0 | 0 36 | 12 53 | 0 28 | 16 17 | 0 51 | 10 0 | 1 44 | 13 6 | 0 26 | 14 0 | 1 52 | 6 21 | 13 3 | 16 43 | 16 30 | 27 22 | 4 27 | 1 57 |
| F 12 | 19 50 | 10 57 | 4 42 | 16 54 | 0 33 | 23 12 | 0 38 | 13 7 | 0 28 | 16 21 | 0 51 | 9 59 | 1 44 | 13 7 | 0 26 | 14 0 | 1 52 | 6 21 | 13 3 | 16 43 | 16 29 | 27 22 | 4 26 | 1 57 |
| S 13 | 20 3 | 5 6 | 4 2 | 17 26 | 0 27 | 23 23 | 0 40 | 13 21 | 0 27 | 16 25 | 0 51 | 9 58 | 1 44 | 13 9 | 0 26 | 13 59 | 1 52 | 6 21 | 13 3 | 16 44 | 16 28 | 27 22 | 4 25 | 1 57 |
| S 14 | 20 16 | 0s51 | 3 10 | 17 57 | 0 20 | 23 33 | 0 43 | 13 35 | 0 26 | 16 28 | 0 51 | 9 57 | 1 45 | 13 10 | 0 26 | 13 59 | 1 52 | 6 20 | 13 3 | 16 44 | 16 27 | 27 22 | 4 25 | 1 57 |
| M15 | 20 29 | 6 40 | 2 9 | 18 28 | 0 13 | 23 43 | 0 45 | 13 49 | 0 26 | 16 32 | 0 51 | 9 56 | 1 45 | 13 11 | 0 26 | 13 58 | 1 52 | 6 20 | 13 3 | 16 44 | 16 26 | 27 22 | 4 24 | 1 56 |
| T 16 | 20 41 | 12 9 | 1 3 | 18 58 | 0 6 | 23 51 | 0 47 | 14 3 | 0 25 | 16 36 | 0 51 | 9 56 | 1 45 | 13 12 | 0 26 | 13 58 | 1 52 | 6 20 | 13 3 | 16 45 | 16 25 | 27 23 | 4 23 | 1 56 |
| W17 | 20 53 | 17 3 | 0s 5 | 19 27 | 0s 1 | 23 59 | 0 49 | 14 16 | 0 25 | 16 39 | 0 51 | 9 55 | 1 45 | 13 13 | 0 26 | 13 58 | 1 52 | 6 20 | 13 3 | 16 45 | 16 24 | 27 23 | 4 23 | 1 56 |
| T 18 | 21 5 | 21 13 | 1 11 | 19 55 | 0 8 | 24 7 | 0 52 | 14 30 | 0 24 | 16 43 | 0 51 | 9 54 | 1 46 | 13 14 | 0 26 | 13 57 | 1 52 | 6 20 | 13 3 | 16 45 | 16 23 | 27 23 | 4 22 | 1 56 |
| F 19 | 21 16 | 24 25 | 2 14 | 20 22 | 0 15 | 24 13 | 0 54 | 14 43 | 0 24 | 16 47 | 0 51 | 9 53 | 1 46 | 13 15 | 0 26 | 13 57 | 1 52 | 6 20 | 13 2 | 16 44 | 16 22 | 27 23 | 4 21 | 1 56 |
| S 20 | 21 27 | 26 30 | 3 10 | 20 49 | 0 21 | 24 19 | 0 56 | 14 57 | 0 23 | 16 50 | 0 51 | 9 53 | 1 46 | 13 17 | 0 26 | 13 56 | 1 52 | 6 19 | 13 2 | 16 43 | 16 21 | 27 23 | 4 21 | 1 55 |
| S 21 | 21 37 | 27 23 | 3 58 | 21 14 | 0 28 | 24 24 | 0 58 | 15 10 | 0 23 | 16 54 | 0 51 | 9 52 | 1 46 | 13 18 | 0 26 | 13 56 | 1 52 | 6 19 | 13 2 | 16 42 | 16 20 | 27 23 | 4 20 | 1 55 |
| M22 | 21 47 | 26 59 | 4 35 | 21 38 | 0 34 | 24 29 | 1 0 | 15 23 | 0 22 | 16 57 | 0 51 | 9 51 | 1 47 | 13 19 | 0 26 | 13 55 | 1 52 | 6 19 | 13 2 | 16 41 | 16 20 | 27 23 | 4 20 | 1 55 |
| T 23 | 21 56 | 25 22 | 5 0 | 22 1 | 0 40 | 24 32 | 1 2 | 15 36 | 0 22 | 17 1 | 0 51 | 9 51 | 1 47 | 13 20 | 0 26 | 13 55 | 1 52 | 6 19 | 13 2 | 16 40 | 16 19 | 27 23 | 4 19 | 1 55 |
| W24 | 22 5 | 22 38 | 5 13 | 22 24 | 0 47 | 24 35 | 1 4 | 15 49 | 0 21 | 17 4 | 0 51 | 9 50 | 1 47 | 13 21 | 0 26 | 13 55 | 1 52 | 6 19 | 13 2 | 16 39 | 16 18 | 27 23 | 4 18 | 1 55 |
| T 25 | 22 14 | 18 55 | 5 12 | 22 45 | 0 53 | 24 37 | 1 6 | 16 2 | 0 20 | 17 8 | 0 51 | 9 50 | 1 47 | 13 22 | 0 26 | 13 54 | 1 52 | 6 19 | 13 2 | 16 38 | 16 17 | 27 23 | 4 18 | 1 55 |
| F 26 | 22 22 | 14 22 | 4 57 | 23 5 | 0 59 | 24 39 | 1 8 | 16 15 | 0 20 | 17 11 | 0 51 | 9 50 | 1 48 | 13 23 | 0 26 | 13 54 | 1 52 | 6 19 | 13 2 | 16 38 | 16 16 | 27 23 | 4 18 | 1 54 |
| S 27 | 22 30 | 9 8 | 4 28 | 23 23 | 1 4 | 24 39 | 1 10 | 16 27 | 0 19 | 17 15 | 0 51 | 9 49 | 1 48 | 13 24 | 0 26 | 13 53 | 1 52 | 6 18 | 13 2 | 16 38 | 16 15 | 27 23 | 4 17 | 1 54 |
| S 28 | 22 37 | 3 24 | 3 45 | 23 41 | 1 10 | 24 39 | 1 12 | 16 39 | 0 19 | 17 18 | 0 51 | 9 49 | 1 48 | 13 25 | 0 26 | 13 53 | 1 52 | 6 18 | 13 1 | 16 38 | 16 14 | 27 23 | 4 17 | 1 54 |
| M29 | 22 44 | 2n40 | 2 49 | 23 57 | 1 15 | 24 38 | 1 14 | 16 52 | 0 18 | 17 21 | 0 51 | 9 49 | 1 48 | 13 26 | 0 26 | 13 53 | 1 51 | 6 18 | 13 1 | 16 38 | 16 13 | 27 23 | 4 16 | 1 54 |
| T 30 | 22s50 | 8n50 | 1s42 | 24s12 | 1s20 | 24s37 | 1s15 | 17s 4 | 0n18 | 17s25 | 0n51 | 9n48 | 1n49 | 13s27 | 0n26 | 13n52 | 1s51 | 6n18 | 13s 1 | 16n39 | 16n12 | 27s23 | 4n16 | 1n54 |

Julian Day Number = 2228694.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'44, Lahiri = 15°20'44 Julian Calendar 1 Nov. 1389 == Greg. Calendar 9 Nov. 1389


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# ASTRODIENST EPHEMERIS for the year 1389
# geocentric

## DECEMBER 1389 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 12 9 | 17♐32'44 | 11♉ 3 | 18♐28 | 7♑52 | 19♏ 2 | 21♏48 | 9♍16 | 6♏57 | 12°R28 | 24°R26 | 15°R54 | 14♉18 | 9♑52 | 6°R20 | W 1 |
| T 2 | 5 16 5 | 18°33'50 | 25°36 | 20° 3 | 9° 6 | 19°43 | 22° 1 | 9°17 | 7° 0 | 12♉27 | 24♉25 | 15♉54 | 14°15 | 9°59 | 6♈19 | T 2 |
| F 3 | 5 20 2 | 19°34'57 | 10♊31 | 21°39 | 10°21 | 20°25 | 22°13 | 9°18 | 7° 3 | 12°26 | 24°24 | 15°52 | 14°12 | 10° 6 | 6°19 | F 3 |
| S 4 | 5 23 59 | 20°36'04 | 25°41 | 23°14 | 11°36 | 21° 7 | 22°26 | 9°19 | 7° 6 | 12°24 | 24°23 | 15°48 | 14° 9 | 10°13 | 6°19 | S 4 |
| S 5 | 5 27 55 | 21°37'12 | 10♋56 | 24°50 | 12°51 | 21°48 | 22°38 | 9°20 | 7° 9 | 12°23 | 24°22 | 15°43 | 14° 5 | 10°19 | 6°18 | S 5 |
| M 6 | 5 31 52 | 22°38'20 | 26° 6 | 26°25 | 14° 6 | 22°30 | 22°51 | 9°21 | 7°12 | 12°22 | 24°21 | 15°37 | 14° 2 | 10°26 | 6°18 | M 6 |
| T 7 | 5 35 48 | 23°39'29 | 10♌59 | 28° 1 | 15°21 | 23°12 | 23° 3 | 9°21 | 7°15 | 12°21 | 24°20 | 15°32 | 13°59 | 10°33 | 6°18 | T 7 |
| W 8 | 5 39 45 | 24°40'38 | 25°31 | 29°37 | 16°36 | 23°54 | 23°16 | 9°22 | 7°18 | 12°20 | 24°19 | 15°27 | 13°56 | 10°39 | 6°18 | W 8 |
| T 9 | 5 43 41 | 25°41'48 | 9♍36 | 1♑14 | 17°51 | 24°35 | 23°28 | 9°22 | 7°21 | 12°18 | 24°18 | 15°24 | 13°53 | 10°46 | 6°D18 | T 9 |
| F 10 | 5 47 38 | 26°42'58 | 23°14 | 2°51 | 19° 6 | 25°17 | 23°40 | 9°22 | 7°24 | 12°17 | 24°17 | 15°D23 | 13°50 | 10°53 | 6°18 | F 10 |
| S 11 | 5 51 34 | 27°44'09 | 6♎26 | 4°28 | 20°21 | 25°59 | 23°52 | 9°R22 | 7°26 | 12°16 | 24°16 | 15°23 | 13°46 | 10°59 | 6°18 | S 11 |
| S 12 | 5 55 31 | 28°45'20 | 19°16 | 6° 5 | 21°36 | 26°41 | 24° 4 | 9°22 | 7°29 | 12°15 | 24°15 | 15°25 | 13°43 | 11° 6 | 6°18 | S 12 |
| M13 | 5 59 28 | 29°46'32 | 1♏48 | 7°42 | 22°50 | 27°23 | 24°17 | 9°22 | 7°32 | 12°14 | 24°14 | 15°26 | 13°40 | 11°13 | 6°18 | M13 |
| T 14 | 6 3 24 | 0♑47'44 | 14° 5 | 9°20 | 24° 5 | 28° 5 | 24°29 | 9°22 | 7°34 | 12°13 | 24°13 | 15°R27 | 13°37 | 11°20 | 6°19 | T 14 |
| W15 | 6 7 21 | 1°48'57 | 26°11 | 10°57 | 25°20 | 28°47 | 24°40 | 9°21 | 7°37 | 12°12 | 24°12 | 15°26 | 13°34 | 11°26 | 6°19 | W15 |
| T 16 | 6 11 17 | 2°50'09 | 8♐10 | 12°35 | 26°35 | 29°29 | 24°52 | 9°21 | 7°39 | 12°11 | 24°11 | 15°23 | 13°30 | 11°33 | 6°19 | T 16 |
| F 17 | 6 15 14 | 3°51'22 | 20° 5 | 14°13 | 27°50 | 0♐11 | 25° 4 | 9°20 | 7°42 | 12°10 | 24°11 | 15°18 | 13°27 | 11°40 | 6°20 | F 17 |
| S 18 | 6 19 10 | 4°52'35 | 1♑56 | 15°51 | 29° 4 | 0°54 | 25°16 | 9°20 | 7°44 | 12° 9 | 24°10 | 15°10 | 13°24 | 11°46 | 6°20 | S 18 |
| S 19 | 6 23 7 | 5°53'47 | 13°47 | 17°29 | 0♒19 | 1°36 | 25°28 | 9°19 | 7°47 | 12° 9 | 24° 9 | 15° 1 | 13°21 | 11°53 | 6°21 | S 19 |
| M20 | 6 27 3 | 6°55'00 | 25°38 | 19° 7 | 1°34 | 2°18 | 25°39 | 9°18 | 7°49 | 12° 8 | 24° 8 | 14°50 | 13°18 | 12° 0 | 6°21 | M20 |
| T 21 | 6 31 0 | 7°56'12 | 7♒32 | 20°44 | 2°48 | 3° 0 | 25°51 | 9°17 | 7°52 | 12° 7 | 24° 7 | 14°39 | 13°15 | 12° 6 | 6°22 | T 21 |
| W22 | 6 34 57 | 8°57'24 | 19°29 | 22°21 | 4° 3 | 3°42 | 26° 2 | 9°16 | 7°54 | 12° 6 | 24° 7 | 14°29 | 13°11 | 12°13 | 6°23 | W22 |
| T 23 | 6 38 53 | 9°58'35 | 1♓33 | 23°58 | 5°18 | 4°25 | 26°14 | 9°15 | 7°56 | 12° 5 | 24° 6 | 14°21 | 13° 8 | 12°20 | 6°24 | T 23 |
| F 24 | 6 42 50 | 10°59'46 | 13°45 | 25°34 | 6°32 | 5° 7 | 26°25 | 9°13 | 7°58 | 12° 5 | 24° 5 | 14°14 | 13° 5 | 12°27 | 6°24 | F 24 |
| S 25 | 6 46 46 | 12° 0'56 | 26°10 | 27° 9 | 7°47 | 5°49 | 26°36 | 9°12 | 8° 0 | 12° 4 | 24° 4 | 14°11 | 13° 2 | 12°33 | 6°25 | S 25 |
| S 26 | 6 50 43 | 13° 2'06 | 8♈52 | 28°43 | 9° 2 | 6°32 | 26°47 | 9°10 | 8° 2 | 12° 3 | 24° 4 | 14°D 9 | 12°59 | 12°40 | 6°26 | S 26 |
| M27 | 6 54 39 | 14° 3'15 | 21°54 | 0♒15 | 10°16 | 7°14 | 26°58 | 9° 9 | 8° 5 | 12° 3 | 24° 3 | 14° 9 | 12°56 | 12°47 | 6°27 | M27 |
| T 28 | 6 58 36 | 15° 4'23 | 5♉21 | 1°46 | 11°31 | 7°57 | 27° 9 | 9° 7 | 8° 7 | 12° 2 | 24° 2 | 14°10 | 12°52 | 12°53 | 6°28 | T 28 |
| W29 | 7 2 32 | 16° 5'31 | 19°15 | 3°15 | 12°45 | 8°39 | 27°20 | 9° 5 | 8° 8 | 12° 2 | 24° 2 | 14°R10 | 12°49 | 13° 0 | 6°29 | W29 |
| T 30 | 7 6 29 | 17° 6'37 | 3♊37 | 4°41 | 14° 0 | 9°22 | 27°31 | 9° 3 | 8°10 | 12° 1 | 24° 1 | 14° 9 | 12°46 | 13° 7 | 6°31 | T 30 |
| F 31 | 7 10 26 | 18♑ 7'43 | 18♊25 | 6♒ 3 | 15♒14 | 10♐ 4 | 27♏42 | 9♍ 1 | 8♏12 | 12♉ 1 | 24♉ 0 | 14♉ 5 | 12♉43 | 13♑13 | 6♈32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s56 | 14n46 | 0s27 | 24s26 | 1s26 | 24s34 | 1s17 | 17s16 | 0n17 | 17s28 | 0n50 | 9n48 | 1n49 | 13s28 | 0n26 | 13n52 | 1s51 | 6n18 | 13s 1 | 16n39 | 16n11 | 27s23 | 4n16 | 1n54 |
| T 2 | 23 2 | 20 5 | 0n53 | 24 39 | 1 30 | 24 31 | 1 19 | 17 28 | 0 16 | 17 31 | 0 50 | 9 48 | 1 49 | 13 29 | 0 26 | 13 51 | 1 51 | 6 18 | 13 1 | 16 39 | 16 10 | 27 23 | 4 15 | 1 53 |
| F 3 | 23 7 | 24 15 | 2 10 | 24 50 | 1 35 | 24 27 | 1 20 | 17 40 | 0 16 | 17 34 | 0 50 | 9 48 | 1 49 | 13 30 | 0 26 | 13 51 | 1 51 | 6 18 | 13 1 | 16 39 | 16 9 | 27 23 | 4 15 | 1 53 |
| S 4 | 23 11 | 26 47 | 3 20 | 25 0 | 1 39 | 24 22 | 1 22 | 17 51 | 0 15 | 17 38 | 0 50 | 9 48 | 1 50 | 13 31 | 0 26 | 13 51 | 1 51 | 6 18 | 13 1 | 16 38 | 16 8 | 27 23 | 4 15 | 1 53 |
| S 5 | 23 15 | 27 19 | 4 16 | 25 8 | 1 43 | 24 17 | 1 23 | 18 3 | 0 15 | 17 41 | 0 50 | 9 48 | 1 50 | 13 32 | 0 26 | 13 50 | 1 51 | 6 18 | 13 0 | 16 36 | 16 7 | 27 23 | 4 14 | 1 53 |
| M 6 | 23 19 | 25 48 | 4 53 | 25 16 | 1 47 | 24 11 | 1 25 | 18 14 | 0 14 | 17 44 | 0 50 | 9 48 | 1 50 | 13 33 | 0 26 | 13 50 | 1 51 | 6 18 | 13 0 | 16 34 | 16 6 | 27 23 | 4 14 | 1 53 |
| T 7 | 23 22 | 22 29 | 5 10 | 25 21 | 1 51 | 24 4 | 1 26 | 18 25 | 0 13 | 17 47 | 0 50 | 9 48 | 1 51 | 13 34 | 0 26 | 13 50 | 1 51 | 6 17 | 13 0 | 16 33 | 16 5 | 27 23 | 4 14 | 1 52 |
| W 8 | 23 25 | 17 51 | 5 6 | 25 25 | 1 54 | 23 56 | 1 28 | 18 36 | 0 13 | 17 50 | 0 50 | 9 48 | 1 51 | 13 35 | 0 26 | 13 49 | 1 51 | 6 17 | 13 0 | 16 31 | 16 4 | 27 23 | 4 14 | 1 52 |
| T 9 | 23 27 | 12 22 | 4 43 | 25 28 | 1 57 | 23 48 | 1 29 | 18 47 | 0 12 | 17 53 | 0 50 | 9 48 | 1 51 | 13 36 | 0 26 | 13 49 | 1 51 | 6 17 | 13 0 | 16 31 | 16 3 | 27 23 | 4 13 | 1 52 |
| F 10 | 23 29 | 6 27 | 4 6 | 25 29 | 2 0 | 23 38 | 1 30 | 18 58 | 0 11 | 17 56 | 0 50 | 9 48 | 1 51 | 13 37 | 0 26 | 13 49 | 1 51 | 6 17 | 13 0 | 16 30 | 16 3 | 27 23 | 4 13 | 1 52 |
| S 11 | 23 30 | 0 26 | 3 16 | 25 29 | 2 2 | 23 29 | 1 31 | 19 9 | 0 11 | 17 59 | 0 51 | 9 48 | 1 52 | 13 38 | 0 26 | 13 49 | 1 51 | 6 17 | 12 59 | 16 30 | 16 2 | 27 23 | 4 13 | 1 52 |
| S 12 | 23 31 | 5s27 | 2 17 | 25 27 | 2 4 | 23 18 | 1 32 | 19 19 | 0 10 | 18 2 | 0 51 | 9 49 | 1 52 | 13 38 | 0 26 | 13 48 | 1 51 | 6 17 | 12 59 | 16 31 | 16 1 | 27 23 | 4 13 | 1 52 |
| M13 | 23 31 | 11 0 | 1 13 | 25 24 | 2 6 | 23 7 | 1 33 | 19 29 | 0 10 | 18 5 | 0 51 | 9 49 | 1 52 | 13 39 | 0 26 | 13 48 | 1 51 | 6 17 | 12 59 | 16 31 | 16 0 | 27 22 | 4 13 | 1 51 |
| T 14 | 23 31 | 16 0 | 0 7 | 25 18 | 2 7 | 22 55 | 1 34 | 19 39 | 0 9 | 18 8 | 0 51 | 9 49 | 1 52 | 13 40 | 0 26 | 13 48 | 1 51 | 6 17 | 12 59 | 16 31 | 15 59 | 27 22 | 4 13 | 1 51 |
| W15 | 23 30 | 20 18 | 0s58 | 25 12 | 2 8 | 22 42 | 1 35 | 19 49 | 0 8 | 18 11 | 0 51 | 9 50 | 1 53 | 13 41 | 0 26 | 13 48 | 1 51 | 6 17 | 12 59 | 16 31 | 15 58 | 27 22 | 4 13 | 1 51 |
| T 16 | 23 29 | 23 43 | 2 0 | 25 3 | 2 9 | 22 29 | 1 36 | 19 59 | 0 8 | 18 14 | 0 51 | 9 50 | 1 53 | 13 42 | 0 26 | 13 47 | 1 51 | 6 17 | 12 58 | 16 30 | 15 57 | 27 22 | 4 13 | 1 51 |
| F 17 | 23 28 | 26 4 | 2 55 | 24 53 | 2 9 | 22 15 | 1 37 | 20 9 | 0 7 | 18 17 | 0 51 | 9 50 | 1 53 | 13 43 | 0 26 | 13 47 | 1 51 | 6 17 | 12 58 | 16 29 | 15 56 | 27 22 | 4 13 | 1 51 |
| S 18 | 23 26 | 27 14 | 3 43 | 24 42 | 2 8 | 22 0 | 1 37 | 20 18 | 0 6 | 18 20 | 0 51 | 9 51 | 1 53 | 13 43 | 0 26 | 13 47 | 1 51 | 6 17 | 12 58 | 16 27 | 15 55 | 27 22 | 4 13 | 1 51 |
| S 19 | 23 23 | 27 8 | 4 22 | 24 29 | 2 7 | 21 45 | 1 38 | 20 27 | 0 6 | 18 22 | 0 51 | 9 51 | 1 54 | 13 44 | 0 26 | 13 47 | 1 51 | 6 17 | 12 58 | 16 24 | 15 54 | 27 22 | 4 13 | 1 50 |
| M20 | 23 20 | 25 48 | 4 48 | 24 14 | 2 6 | 21 29 | 1 39 | 20 37 | 0 5 | 18 25 | 0 51 | 9 52 | 1 54 | 13 45 | 0 26 | 13 46 | 1 50 | 6 17 | 12 58 | 16 21 | 15 53 | 27 21 | 4 13 | 1 50 |
| T 21 | 23 17 | 23 19 | 5 3 | 23 57 | 2 4 | 21 12 | 1 39 | 20 46 | 0 4 | 18 28 | 0 51 | 9 53 | 1 54 | 13 46 | 0 26 | 13 46 | 1 50 | 6 17 | 12 57 | 16 17 | 15 52 | 27 21 | 4 13 | 1 50 |
| W22 | 23 13 | 19 50 | 5 4 | 23 39 | 2 1 | 20 55 | 1 39 | 20 54 | 0 4 | 18 30 | 0 51 | 9 53 | 1 54 | 13 46 | 0 26 | 13 46 | 1 50 | 6 17 | 12 57 | 16 14 | 15 51 | 27 21 | 4 13 | 1 50 |
| T 23 | 23 9 | 15 30 | 4 52 | 23 19 | 1 58 | 20 37 | 1 40 | 21 3 | 0 3 | 18 33 | 0 51 | 9 54 | 1 55 | 13 47 | 0 26 | 13 46 | 1 50 | 6 17 | 12 57 | 16 12 | 15 50 | 27 21 | 4 13 | 1 50 |
| F 24 | 23 4 | 10 30 | 4 26 | 22 58 | 1 54 | 20 19 | 1 40 | 21 11 | 0 2 | 18 36 | 0 51 | 9 55 | 1 55 | 13 48 | 0 26 | 13 46 | 1 50 | 6 18 | 12 57 | 16 10 | 15 49 | 27 21 | 4 14 | 1 49 |
| S 25 | 22 59 | 5 0 | 3 47 | 22 35 | 1 49 | 20 0 | 1 40 | 21 19 | 0 2 | 18 38 | 0 51 | 9 56 | 1 55 | 13 49 | 0 26 | 13 46 | 1 50 | 6 18 | 12 56 | 16 9 | 15 48 | 27 21 | 4 14 | 1 49 |
| S 26 | 22 53 | 0n49 | 2 57 | 22 10 | 1 44 | 19 40 | 1 40 | 21 27 | 0 1 | 18 41 | 0 51 | 9 56 | 1 55 | 13 49 | 0 26 | 13 45 | 1 50 | 6 18 | 12 56 | 16 8 | 15 47 | 27 20 | 4 14 | 1 49 |
| M27 | 22 47 | 6 46 | 1 56 | 21 45 | 1 37 | 19 20 | 1 40 | 21 35 | 0 0 | 18 43 | 0 51 | 9 57 | 1 56 | 13 50 | 0 26 | 13 45 | 1 50 | 6 18 | 12 56 | 16 8 | 15 46 | 27 20 | 4 14 | 1 49 |
| T 28 | 22 40 | 12 37 | 0 47 | 21 18 | 1 30 | 19 0 | 1 40 | 21 43 | 0s 0 | 18 46 | 0 51 | 9 58 | 1 56 | 13 50 | 0 26 | 13 45 | 1 50 | 6 18 | 12 56 | 16 9 | 15 45 | 27 20 | 4 14 | 1 49 |
| W29 | 22 33 | 18 2 | 0n27 | 20 50 | 1 22 | 18 38 | 1 40 | 21 50 | 0 1 | 18 48 | 0 51 | 9 59 | 1 56 | 13 51 | 0 26 | 13 45 | 1 50 | 6 18 | 12 55 | 16 9 | 15 44 | 27 20 | 4 15 | 1 49 |
| T 30 | 22 25 | 22 37 | 1 42 | 20 21 | 1 14 | 18 17 | 1 40 | 21 58 | 0 2 | 18 51 | 0 51 | 10 0 | 1 56 | 13 52 | 0 26 | 13 45 | 1 50 | 6 18 | 12 55 | 16 8 | 15 43 | 27 19 | 4 15 | 1 48 |
| F 31 | 22s17 | 25n52 | 2n52 | 19s51 | 1s 4 | 17s55 | 1s40 | 22s 5 | 0s 3 | 18s53 | 0n51 | 10n 1 | 1n57 | 13s52 | 0n26 | 13n45 | 1s50 | 6n18 | 12s55 | 16n 7 | 15n42 | 27s19 | 4n15 | 1n48 |

Julian Day Number = 2228724.5, Delta T = 08m09s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'48, Lahiri = 15°20'49 Julian Calendar 1 Dec. 1389 == Greg. Calendar 9 Dec. 1389


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## JANUARY 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 14 22 | 19♑ 8'49 | 3♋34 | 7♒23 | 16♒29 | 10♐47 | 27♏52 | 8°R59 | 8♏14 | 12°R 0 | 24°R 0 | 13°R58 | 12♉40 | 13♑20 | 6♈33 | S 1 |
| S 2 | 7 18 19 | 20° 9'53 | 18°54 | 8°37 | 17°43 | 11°30 | 28° 3 | 8♏57 | 8°16 | 12♉ 0 | 23♉59 | 13♉49 | 12°36 | 13°27 | 6°34 | S 2 |
| M 3 | 7 22 15 | 21°10'57 | 4♌14 | 9°47 | 18°57 | 12°12 | 28°13 | 8°54 | 8°18 | 11°59 | 23°59 | 13°39 | 12°33 | 13°34 | 6°36 | M 3 |
| T 4 | 7 26 12 | 22°12'01 | 19°23 | 10°51 | 20°12 | 12°55 | 28°24 | 8°52 | 8°19 | 11°59 | 23°58 | 13°28 | 12°30 | 13°40 | 6°37 | T 4 |
| W 5 | 7 30 8 | 23°13'03 | 4♍10 | 11°48 | 21°26 | 13°38 | 28°34 | 8°49 | 8°21 | 11°59 | 23°58 | 13°19 | 12°27 | 13°47 | 6°39 | W 5 |
| T 6 | 7 34 5 | 24°14'05 | 18°30 | 12°37 | 22°40 | 14°20 | 28°44 | 8°47 | 8°22 | 11°58 | 23°57 | 13°12 | 12°24 | 13°54 | 6°40 | T 6 |
| F 7 | 7 38 2 | 25°15'06 | 2♎18 | 13°19 | 23°54 | 15° 3 | 28°54 | 8°44 | 8°24 | 11°58 | 23°57 | 13° 7 | 12°21 | 14° 0 | 6°42 | F 7 |
| S 8 | 7 41 58 | 26°16'07 | 15°38 | 13°51 | 25° 8 | 15°46 | 29° 4 | 8°41 | 8°25 | 11°58 | 23°56 | 13° 5 | 12°17 | 14° 7 | 6°44 | S 8 |
| S 9 | 7 45 55 | 27°17'08 | 28°30 | 14°13 | 26°23 | 16°29 | 29°14 | 8°38 | 8°27 | 11°58 | 23°56 | 13°D 4 | 12°14 | 14°14 | 6°45 | S 9 |
| M10 | 7 49 51 | 28°18'07 | 11♏ 0 | 14°24 | 27°37 | 17°12 | 29°24 | 8°35 | 8°28 | 11°58 | 23°55 | 13°R 5 | 12°11 | 14°21 | 6°47 | M10 |
| T 11 | 7 53 48 | 29°19'06 | 23°13 | 14°R24 | 28°51 | 17°55 | 29°34 | 8°32 | 8°29 | 11°57 | 23°55 | 13° 4 | 12° 8 | 14°27 | 6°49 | T 11 |
| W12 | 7 57 44 | 0♒20'05 | 5♐13 | 14°14 | 0♓ 5 | 18°38 | 29°43 | 8°29 | 8°31 | 11°57 | 23°55 | 13° 2 | 12° 5 | 14°34 | 6°51 | W12 |
| T 13 | 8 1 41 | 1°21'02 | 17° 7 | 13°51 | 1°19 | 19°21 | 29°53 | 8°26 | 8°32 | 11°57 | 23°54 | 12°58 | 12° 2 | 14°41 | 6°53 | T 13 |
| F 14 | 8 5 37 | 2°21'59 | 28°56 | 13°18 | 2°33 | 20° 4 | 0♐ 2 | 8°23 | 8°33 | 11°D57 | 23°54 | 12°50 | 11°58 | 14°47 | 6°55 | F 14 |
| S 15 | 8 9 34 | 3°22'55 | 10♑46 | 12°35 | 3°47 | 20°47 | 0°11 | 8°19 | 8°34 | 11°57 | 23°54 | 12°39 | 11°55 | 14°54 | 6°57 | S 15 |
| S 16 | 8 13 31 | 4°23'49 | 22°37 | 11°42 | 5° 0 | 21°30 | 0°20 | 8°16 | 8°35 | 11°57 | 23°53 | 12°26 | 11°52 | 15° 1 | 6°59 | S 16 |
| M17 | 8 17 27 | 5°24'43 | 4♒32 | 10°42 | 6°14 | 22°13 | 0°29 | 8°12 | 8°36 | 11°58 | 23°53 | 12°12 | 11°49 | 15° 8 | 7° 1 | M17 |
| T 18 | 8 21 24 | 6°25'36 | 16°32 | 9°36 | 7°28 | 22°56 | 0°38 | 8° 8 | 8°37 | 11°58 | 23°53 | 11°56 | 11°46 | 15°14 | 7° 3 | T 18 |
| W19 | 8 25 20 | 7°26'27 | 28°38 | 8°25 | 8°42 | 23°39 | 0°47 | 8° 5 | 8°38 | 11°58 | 23°52 | 11°42 | 11°42 | 15°21 | 7° 5 | W19 |
| T 20 | 8 29 17 | 8°27'16 | 10♓50 | 7°13 | 9°55 | 24°23 | 0°55 | 8° 1 | 8°39 | 11°58 | 23°52 | 11°30 | 11°39 | 15°28 | 7° 7 | T 20 |
| F 21 | 8 33 13 | 9°28'05 | 23°12 | 6° 1 | 11° 9 | 25° 6 | 1° 4 | 7°57 | 8°40 | 11°58 | 23°52 | 11°20 | 11°36 | 15°34 | 7°10 | F 21 |
| S 22 | 8 37 10 | 10°28'52 | 5♈43 | 4°51 | 12°23 | 25°49 | 1°12 | 7°53 | 8°40 | 11°59 | 23°52 | 11°14 | 11°33 | 15°41 | 7°12 | S 22 |
| S 23 | 8 41 6 | 11°29'37 | 18°28 | 3°44 | 13°36 | 26°32 | 1°20 | 7°49 | 8°41 | 11°59 | 23°52 | 11°11 | 11°30 | 15°48 | 7°14 | S 23 |
| M24 | 8 45 3 | 12°30'21 | 1♉29 | 2°43 | 14°49 | 27°16 | 1°28 | 7°45 | 8°42 | 11°59 | 23°52 | 11°10 | 11°27 | 15°54 | 7°17 | M24 |
| T 25 | 8 49 0 | 13°31'03 | 14°49 | 1°48 | 16° 3 | 27°59 | 1°36 | 7°41 | 8°42 | 12° 0 | 23°51 | 11° 9 | 11°23 | 16° 1 | 7°19 | T 25 |
| W26 | 8 52 56 | 14°31'43 | 28°31 | 1° 0 | 17°16 | 28°42 | 1°44 | 7°37 | 8°43 | 12° 0 | 23°51 | 11° 9 | 11°20 | 16° 8 | 7°22 | W26 |
| T 27 | 8 56 53 | 15°32'22 | 12♊38 | 0°19 | 18°29 | 29°26 | 1°52 | 7°33 | 8°43 | 12° 0 | 23°51 | 11° 7 | 11°17 | 16°15 | 7°24 | T 27 |
| F 28 | 9 0 49 | 16°32'59 | 27° 8 | 29♑46 | 19°43 | 0♑ 9 | 2° 0 | 7°28 | 8°43 | 12° 1 | 23°51 | 11° 3 | 11°14 | 16°21 | 7°27 | F 28 |
| S 29 | 9 4 46 | 17°33'34 | 11♋59 | 29°22 | 20°56 | 0°53 | 2° 7 | 7°24 | 8°44 | 12° 1 | 23°D51 | 10°56 | 11°11 | 16°28 | 7°29 | S 29 |
| S 30 | 9 8 42 | 18°34'07 | 27° 4 | 29° 4 | 22° 9 | 1°36 | 2°14 | 7°20 | 8°44 | 12° 2 | 23°51 | 10°46 | 11° 8 | 16°35 | 7°32 | S 30 |
| M31 | 9 12 39 | 19♒34'39 | 12♌14 | 28♑55 | 23♓22 | 2♑20 | 2♐21 | 7♏15 | 8♏44 | 12♉ 3 | 23♉51 | 10♉35 | 11♉ 4 | 16♑41 | 7♈35 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s 9 | 27n19 | 3n51 | 19s21 | 0s53 | 17s32 | 1s39 | 22s12 | 0s 3 | 18s56 | 0n51 | 10n 2 | 1n57 | 13s53 | 0n26 | 13n45 | 1s50 | 6n18 | 12s55 | 16n 5 | 15n41 | 27s19 | 4n16 | 1n48 |
| S 2 | 22 0 | 26 43 | 4 35 | 18 50 | 0 42 | 17 9 | 1 39 | 22 18 | 0 4 | 18 58 | 0 51 | 10 3 | 1 57 | 13 53 | 0 27 | 13 45 | 1 50 | 6 18 | 12 54 | 16 2 | 15 40 | 27 19 | 4 16 | 1 48 |
| M 3 | 21 51 | 24 5 | 4 58 | 18 20 | 0 29 | 16 45 | 1 39 | 22 25 | 0 5 | 19 0 | 0 51 | 10 4 | 1 57 | 13 54 | 0 27 | 13 45 | 1 50 | 6 18 | 12 54 | 15 59 | 15 39 | 27 18 | 4 17 | 1 48 |
| T 4 | 21 41 | 19 49 | 5 1 | 17 50 | 0 16 | 16 21 | 1 38 | 22 31 | 0 5 | 19 2 | 0 51 | 10 5 | 1 58 | 13 54 | 0 27 | 13 45 | 1 50 | 6 19 | 12 54 | 15 56 | 15 39 | 27 18 | 4 17 | 1 48 |
| W 5 | 21 31 | 14 24 | 4 43 | 17 20 | 0 2 | 15 56 | 1 37 | 22 37 | 0 6 | 19 5 | 0 51 | 10 7 | 1 58 | 13 55 | 0 27 | 13 45 | 1 50 | 6 19 | 12 54 | 15 53 | 15 38 | 27 18 | 4 17 | 1 47 |
| T 6 | 21 20 | 8 21 | 4 7 | 16 51 | 0n14 | 15 32 | 1 37 | 22 43 | 0 7 | 19 7 | 0 51 | 10 8 | 1 58 | 13 55 | 0 27 | 13 45 | 1 49 | 6 19 | 12 53 | 15 51 | 15 37 | 27 18 | 4 18 | 1 47 |
| F 7 | 21 9 | 2 7 | 3 18 | 16 24 | 0 30 | 15 6 | 1 36 | 22 48 | 0 8 | 19 9 | 0 51 | 10 9 | 1 58 | 13 56 | 0 27 | 13 45 | 1 49 | 6 19 | 12 53 | 15 50 | 15 36 | 27 17 | 4 18 | 1 47 |
| S 8 | 20 58 | 4s 1 | 2 20 | 15 59 | 0 47 | 14 40 | 1 35 | 22 54 | 0 8 | 19 11 | 0 51 | 10 10 | 1 59 | 13 56 | 0 27 | 13 45 | 1 49 | 6 19 | 12 53 | 15 49 | 15 35 | 27 17 | 4 19 | 1 47 |
| S 9 | 20 46 | 9 47 | 1 17 | 15 36 | 1 4 | 14 14 | 1 34 | 22 59 | 0 9 | 19 13 | 0 51 | 10 12 | 1 59 | 13 57 | 0 27 | 13 45 | 1 49 | 6 19 | 12 53 | 15 49 | 15 34 | 27 17 | 4 19 | 1 47 |
| M10 | 20 34 | 15 0 | 0 11 | 15 16 | 1 22 | 13 48 | 1 33 | 23 4 | 0 10 | 19 15 | 0 51 | 10 13 | 1 59 | 13 57 | 0 27 | 13 45 | 1 49 | 6 20 | 12 52 | 15 49 | 15 33 | 27 16 | 4 20 | 1 47 |
| T 11 | 20 22 | 19 30 | 0s53 | 14 59 | 1 40 | 13 21 | 1 32 | 23 9 | 0 11 | 19 17 | 0 51 | 10 14 | 1 59 | 13 58 | 0 27 | 13 45 | 1 49 | 6 20 | 12 52 | 15 49 | 15 32 | 27 16 | 4 20 | 1 46 |
| W12 | 20 9 | 23 7 | 1 54 | 14 45 | 1 57 | 12 54 | 1 31 | 23 13 | 0 11 | 19 19 | 0 51 | 10 16 | 2 0 | 13 58 | 0 27 | 13 45 | 1 49 | 6 20 | 12 52 | 15 48 | 15 31 | 27 16 | 4 21 | 1 46 |
| T 13 | 19 56 | 25 42 | 2 50 | 14 34 | 2 15 | 12 26 | 1 29 | 23 18 | 0 12 | 19 21 | 0 52 | 10 17 | 2 0 | 13 58 | 0 27 | 13 45 | 1 49 | 6 20 | 12 51 | 15 47 | 15 30 | 27 15 | 4 22 | 1 46 |
| F 14 | 19 42 | 27 8 | 3 37 | 14 28 | 2 31 | 11 58 | 1 28 | 23 22 | 0 13 | 19 23 | 0 52 | 10 19 | 2 0 | 13 59 | 0 27 | 13 45 | 1 49 | 6 20 | 12 51 | 15 45 | 15 29 | 27 15 | 4 22 | 1 46 |
| S 15 | 19 28 | 27 19 | 4 15 | 14 25 | 2 47 | 11 30 | 1 27 | 23 26 | 0 14 | 19 25 | 0 52 | 10 20 | 2 0 | 13 59 | 0 27 | 13 45 | 1 49 | 6 21 | 12 51 | 15 41 | 15 28 | 27 14 | 4 23 | 1 46 |
| S 16 | 19 14 | 26 15 | 4 42 | 14 26 | 3 1 | 11 2 | 1 25 | 23 29 | 0 14 | 19 27 | 0 52 | 10 22 | 2 0 | 13 59 | 0 27 | 13 45 | 1 49 | 6 21 | 12 51 | 15 37 | 15 27 | 27 14 | 4 24 | 1 46 |
| M17 | 18 59 | 23 59 | 4 57 | 14 30 | 3 14 | 10 33 | 1 24 | 23 33 | 0 15 | 19 29 | 0 52 | 10 23 | 2 1 | 14 0 | 0 27 | 13 45 | 1 49 | 6 21 | 12 50 | 15 33 | 15 26 | 27 14 | 4 24 | 1 45 |
| T 18 | 18 44 | 20 40 | 4 58 | 14 38 | 3 24 | 10 4 | 1 22 | 23 36 | 0 16 | 19 30 | 0 52 | 10 25 | 2 1 | 14 0 | 0 27 | 13 45 | 1 49 | 6 21 | 12 50 | 15 28 | 15 25 | 27 13 | 4 25 | 1 45 |
| W19 | 18 28 | 16 28 | 4 46 | 14 48 | 3 32 | 9 34 | 1 20 | 23 39 | 0 17 | 19 32 | 0 52 | 10 26 | 2 1 | 14 0 | 0 27 | 13 45 | 1 49 | 6 21 | 12 50 | 15 24 | 15 24 | 27 13 | 4 26 | 1 45 |
| T 20 | 18 13 | 11 33 | 4 22 | 15 1 | 3 38 | 9 5 | 1 18 | 23 42 | 0 18 | 19 34 | 0 52 | 10 28 | 2 1 | 14 1 | 0 27 | 13 45 | 1 49 | 6 22 | 12 49 | 15 20 | 15 23 | 27 13 | 4 26 | 1 45 |
| F 21 | 17 57 | 6 8 | 3 44 | 15 15 | 3 41 | 8 35 | 1 16 | 23 44 | 0 18 | 19 36 | 0 52 | 10 29 | 2 1 | 14 1 | 0 27 | 13 45 | 1 49 | 6 22 | 12 49 | 15 17 | 15 22 | 27 12 | 4 27 | 1 45 |
| S 22 | 17 40 | 0 24 | 2 55 | 15 31 | 3 42 | 8 5 | 1 15 | 23 46 | 0 19 | 19 37 | 0 52 | 10 31 | 2 1 | 14 1 | 0 27 | 13 46 | 1 48 | 6 22 | 12 49 | 15 15 | 15 21 | 27 12 | 4 28 | 1 45 |
| S 23 | 17 24 | 5n28 | 1 57 | 15 48 | 3 41 | 7 35 | 1 13 | 23 48 | 0 20 | 19 39 | 0 52 | 10 33 | 2 2 | 14 1 | 0 27 | 13 46 | 1 48 | 6 22 | 12 48 | 15 14 | 15 20 | 27 11 | 4 29 | 1 44 |
| M24 | 17 7 | 11 14 | 0 51 | 16 6 | 3 37 | 7 5 | 1 10 | 23 50 | 0 21 | 19 40 | 0 52 | 10 34 | 2 2 | 14 1 | 0 27 | 13 46 | 1 48 | 6 23 | 12 48 | 15 14 | 15 19 | 27 11 | 4 30 | 1 44 |
| T 25 | 16 49 | 16 39 | 0n19 | 16 23 | 3 32 | 6 34 | 1 8 | 23 52 | 0 22 | 19 42 | 0 52 | 10 36 | 2 2 | 14 2 | 0 27 | 13 46 | 1 48 | 6 23 | 12 48 | 15 14 | 15 18 | 27 10 | 4 30 | 1 44 |
| W26 | 16 32 | 21 22 | 1 30 | 16 40 | 3 25 | 6 4 | 1 6 | 23 53 | 0 22 | 19 44 | 0 52 | 10 38 | 2 2 | 14 2 | 0 27 | 13 46 | 1 48 | 6 23 | 12 48 | 15 13 | 15 17 | 27 10 | 4 31 | 1 44 |
| T 27 | 16 14 | 25 0 | 2 38 | 16 57 | 3 16 | 5 33 | 1 4 | 23 54 | 0 23 | 19 45 | 0 52 | 10 40 | 2 2 | 14 2 | 0 27 | 13 46 | 1 48 | 6 23 | 12 47 | 15 13 | 15 16 | 27 9 | 4 32 | 1 44 |
| F 28 | 15 56 | 27 6 | 3 37 | 17 14 | 3 7 | 5 2 | 1 1 | 23 55 | 0 24 | 19 46 | 0 52 | 10 41 | 2 3 | 14 2 | 0 27 | 13 47 | 1 48 | 6 24 | 12 47 | 15 12 | 15 15 | 27 9 | 4 33 | 1 44 |
| S 29 | 15 37 | 27 21 | 4 23 | 17 29 | 2 56 | 4 31 | 0 59 | 23 56 | 0 25 | 19 48 | 0 53 | 10 43 | 2 3 | 14 2 | 0 27 | 13 47 | 1 48 | 6 24 | 12 47 | 15 9 | 15 14 | 27 8 | 4 34 | 1 44 |
| S 30 | 15 19 | 25 35 | 4 52 | 17 44 | 2 45 | 3 59 | 0 57 | 23 56 | 0 26 | 19 49 | 0 53 | 10 45 | 2 3 | 14 2 | 0 27 | 13 47 | 1 48 | 6 24 | 12 46 | 15 6 | 15 13 | 27 8 | 4 35 | 1 43 |
| M31 | 15s 0 | 21n59 | 5n 0 | 17s57 | 2n33 | 3s28 | 0s54 | 23s56 | 0s26 | 19s51 | 0n53 | 10n47 | 2n 3 | 14s 2 | 0n27 | 13n47 | 1s48 | 6n25 | 12s46 | 15n 3 | 15n12 | 27s 7 | 4n36 | 1n43 |

Julian Day Number = 2228755.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'52, Lahiri = 15°20'53 Julian Calendar 1 Jan. 1390 == Greg. Calendar 9 Jan. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## FEBRUARY 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 16 35 | 20♒35'09 | 27♌19 | 28°D53 | 24♓35 | 3♑ 3 | 2♐28 | 7°R11 | 8♏44 | 12♉ 3 | 23♉51 | 10°R23 | 11♉ 1 | 16♑48 | 7♈37 | T 1 |
| W 2 | 9 20 32 | 21°35'38 | 12♍ 8 | 28♑58 | 25°48 | 3°47 | 2°35 | 7♍ 6 | 8°45 | 12° 4 | 23°51 | 10♉13 | 10°58 | 16°55 | 7°40 | W 2 |
| T 3 | 9 24 29 | 22°36'05 | 26°32 | 29° 9 | 27° 0 | 4°30 | 2°42 | 7° 2 | 8°R45 | 12° 4 | 23°52 | 10° 4 | 10°55 | 17° 2 | 7°43 | T 3 |
| F 4 | 9 28 25 | 23°36'30 | 10♎29 | 29°26 | 28°13 | 5°14 | 2°49 | 6°57 | 8°45 | 12° 5 | 23°52 | 9°59 | 10°52 | 17° 8 | 7°46 | F 4 |
| S 5 | 9 32 22 | 24°36'54 | 23°56 | 29°49 | 29°26 | 5°58 | 2°55 | 6°53 | 8°45 | 12° 6 | 23°52 | 9°56 | 10°48 | 17°15 | 7°49 | S 5 |
| S 6 | 9 36 18 | 25°37'17 | 6♏55 | 0♒17 | 0♈38 | 6°41 | 3° 1 | 6°48 | 8°44 | 12° 7 | 23°52 | 9°D55 | 10°45 | 17°22 | 7°52 | S 6 |
| M 7 | 9 40 15 | 26°37'38 | 19°30 | 0°50 | 1°51 | 7°25 | 3° 7 | 6°43 | 8°44 | 12° 8 | 23°52 | 9°55 | 10°42 | 17°28 | 7°54 | M 7 |
| T 8 | 9 44 11 | 27°37'58 | 1♐46 | 1°28 | 3° 3 | 8° 9 | 3°13 | 6°39 | 8°44 | 12° 8 | 23°52 | 9°R55 | 10°39 | 17°35 | 7°57 | T 8 |
| W 9 | 9 48 8 | 28°38'16 | 13°48 | 2° 9 | 4°16 | 8°53 | 3°19 | 6°34 | 8°44 | 12° 9 | 23°53 | 9°54 | 10°36 | 17°42 | 8° 0 | W 9 |
| T 10 | 9 52 4 | 29°38'33 | 25°42 | 2°55 | 5°28 | 9°37 | 3°25 | 6°29 | 8°43 | 12°10 | 23°53 | 9°50 | 10°33 | 17°49 | 8° 3 | T 10 |
| F 11 | 9 56 1 | 0♓38'48 | 7♑31 | 3°44 | 6°40 | 10°20 | 3°30 | 6°25 | 8°43 | 12°11 | 23°53 | 9°44 | 10°29 | 17°55 | 8° 7 | F 11 |
| S 12 | 9 59 58 | 1°39'02 | 19°21 | 4°37 | 7°52 | 11° 4 | 3°36 | 6°20 | 8°43 | 12°12 | 23°53 | 9°36 | 10°26 | 18° 2 | 8°10 | S 12 |
| S 13 | 10 3 54 | 2°39'14 | 1♒15 | 5°32 | 9° 4 | 11°48 | 3°41 | 6°15 | 8°42 | 12°13 | 23°54 | 9°25 | 10°23 | 18° 9 | 8°13 | S 13 |
| M14 | 10 7 51 | 3°39'24 | 13°15 | 6°31 | 10°16 | 12°32 | 3°46 | 6°10 | 8°42 | 12°14 | 23°54 | 9°13 | 10°20 | 18°15 | 8°16 | M14 |
| T 15 | 10 11 47 | 4°39'33 | 25°23 | 7°32 | 11°28 | 13°16 | 3°51 | 6° 5 | 8°41 | 12°15 | 23°54 | 9° 0 | 10°17 | 18°22 | 8°19 | T 15 |
| W16 | 10 15 44 | 5°39'39 | 7♓40 | 8°35 | 12°40 | 14° 0 | 3°55 | 6° 1 | 8°40 | 12°16 | 23°55 | 8°48 | 10°14 | 18°29 | 8°22 | W16 |
| T 17 | 10 19 40 | 6°39'44 | 20° 7 | 9°41 | 13°52 | 14°44 | 4° 0 | 5°56 | 8°40 | 12°17 | 23°55 | 8°38 | 10°10 | 18°36 | 8°26 | T 17 |
| F 18 | 10 23 37 | 7°39'47 | 2♈44 | 10°50 | 15° 3 | 15°28 | 4° 4 | 5°51 | 8°39 | 12°19 | 23°56 | 8°30 | 10° 7 | 18°42 | 8°29 | F 18 |
| S 19 | 10 27 33 | 8°39'47 | 15°32 | 12° 0 | 16°15 | 16°12 | 4° 8 | 5°46 | 8°38 | 12°20 | 23°56 | 8°25 | 10° 4 | 18°49 | 8°32 | S 19 |
| S 20 | 10 31 30 | 9°39'46 | 28°31 | 13°12 | 17°26 | 16°56 | 4°12 | 5°42 | 8°37 | 12°21 | 23°56 | 8°22 | 10° 1 | 18°56 | 8°35 | S 20 |
| M21 | 10 35 27 | 10°39'42 | 11♉42 | 14°26 | 18°37 | 17°40 | 4°16 | 5°37 | 8°36 | 12°22 | 23°57 | 8°D22 | 9°58 | 19° 2 | 8°39 | M21 |
| T 22 | 10 39 23 | 11°39'36 | 25° 8 | 15°42 | 19°49 | 18°24 | 4°20 | 5°32 | 8°35 | 12°24 | 23°57 | 8°22 | 9°54 | 19° 9 | 8°42 | T 22 |
| W23 | 10 43 20 | 12°39'29 | 8♊49 | 17° 0 | 21° 0 | 19° 8 | 4°23 | 5°27 | 8°34 | 12°25 | 23°58 | 8°R23 | 9°51 | 19°16 | 8°46 | W23 |
| T 24 | 10 47 16 | 13°39'18 | 22°47 | 18°20 | 22°11 | 19°52 | 4°26 | 5°23 | 8°33 | 12°26 | 23°59 | 8°23 | 9°48 | 19°23 | 8°49 | T 24 |
| F 25 | 10 51 13 | 14°39'06 | 7♋ 2 | 19°40 | 23°22 | 20°36 | 4°30 | 5°18 | 8°32 | 12°28 | 23°59 | 8°21 | 9°45 | 19°29 | 8°52 | F 25 |
| S 26 | 10 55 9 | 15°38'51 | 21°32 | 21° 3 | 24°32 | 21°20 | 4°32 | 5°13 | 8°31 | 12°29 | 24° 0 | 8°16 | 9°42 | 19°36 | 8°56 | S 26 |
| S 27 | 10 59 6 | 16°38'34 | 6♌13 | 22°27 | 25°43 | 22° 5 | 4°35 | 5° 9 | 8°30 | 12°30 | 24° 0 | 8°10 | 9°39 | 19°43 | 8°59 | S 27 |
| M28 | 11 3 2 | 17♓38'15 | 20♌58 | 23♒52 | 26♈54 | 22♑49 | 4♐38 | 5♍ 4 | 8♏29 | 12♉32 | 24♉ 1 | 8♉ 2 | 9♉35 | 19♑49 | 9♈ 3 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s41 | 16n56 | 4n47 | 18s10 | 2n21 | 2s57 | 0s51 | 23s56 | 0s27 | 19s52 | 0n53 | 10n48 | 2n 3 | 14s 2 | 0n27 | 13n48 | 1s48 | 6n25 | 12s46 | 14n59 | 15n11 | 27s 7 | 4n37 | 1n43 |
| W 2 | 14 21 | 10 58 | 4 15 | 18 21 | 2 8 | 2 25 | 0 49 | 23 56 | 0 28 | 19 53 | 0 53 | 10 50 | 2 3 | 14 2 | 0 27 | 13 48 | 1 48 | 6 25 | 12 45 | 14 56 | 15 10 | 27 6 | 4 38 | 1 43 |
| T 3 | 14 2 | 4 33 | 3 28 | 18 31 | 1 56 | 1 54 | 0 46 | 23 56 | 0 29 | 19 54 | 0 53 | 10 52 | 2 3 | 14 2 | 0 27 | 13 48 | 1 48 | 6 26 | 12 45 | 14 53 | 15 9 | 27 6 | 4 39 | 1 43 |
| F 4 | 13 42 | 1s53 | 2 29 | 18 40 | 1 43 | 1 22 | 0 43 | 23 55 | 0 30 | 19 56 | 0 53 | 10 54 | 2 4 | 14 2 | 0 27 | 13 48 | 1 48 | 6 26 | 12 45 | 14 51 | 15 8 | 27 5 | 4 40 | 1 43 |
| S 5 | 13 22 | 8 1 | 1 24 | 18 47 | 1 30 | 0 51 | 0 40 | 23 54 | 0 31 | 19 57 | 0 53 | 10 56 | 2 4 | 14 2 | 0 27 | 13 49 | 1 48 | 6 26 | 12 45 | 14 50 | 15 7 | 27 5 | 4 41 | 1 43 |
| S 6 | 13 1 | 13 37 | 0 16 | 18 53 | 1 18 | 0 19 | 0 37 | 23 52 | 0 31 | 19 58 | 0 53 | 10 58 | 2 4 | 14 2 | 0 27 | 13 49 | 1 47 | 6 27 | 12 44 | 14 50 | 15 6 | 27 4 | 4 42 | 1 42 |
| M 7 | 12 41 | 18 29 | 0s51 | 18 58 | 1 6 | 0n13 | 0 34 | 23 51 | 0 32 | 19 59 | 0 53 | 10 59 | 2 4 | 14 2 | 0 27 | 13 49 | 1 47 | 6 27 | 12 44 | 14 50 | 15 5 | 27 4 | 4 43 | 1 42 |
| T 8 | 12 20 | 22 26 | 1 53 | 19 2 | 0 54 | 0 44 | 0 31 | 23 49 | 0 33 | 20 0 | 0 53 | 11 1 | 2 4 | 14 2 | 0 27 | 13 50 | 1 47 | 6 27 | 12 44 | 14 50 | 15 4 | 27 3 | 4 44 | 1 42 |
| W 9 | 11 59 | 25 20 | 2 49 | 19 4 | 0 42 | 1 16 | 0 28 | 23 47 | 0 34 | 20 1 | 0 53 | 11 3 | 2 4 | 14 2 | 0 27 | 13 50 | 1 47 | 6 28 | 12 43 | 14 50 | 15 3 | 27 3 | 4 45 | 1 42 |
| T 10 | 11 38 | 27 4 | 3 38 | 19 5 | 0 31 | 1 48 | 0 25 | 23 45 | 0 35 | 20 2 | 0 53 | 11 5 | 2 4 | 14 2 | 0 27 | 13 50 | 1 47 | 6 28 | 12 43 | 14 49 | 15 2 | 27 2 | 4 46 | 1 42 |
| F 11 | 11 17 | 27 34 | 4 16 | 19 4 | 0 19 | 2 19 | 0 22 | 23 43 | 0 36 | 20 3 | 0 53 | 11 7 | 2 4 | 14 2 | 0 27 | 13 51 | 1 47 | 6 28 | 12 43 | 14 47 | 15 1 | 27 2 | 4 47 | 1 42 |
| S 12 | 10 55 | 26 48 | 4 44 | 19 2 | 0 8 | 2 51 | 0 19 | 23 40 | 0 37 | 20 4 | 0 54 | 11 9 | 2 4 | 14 1 | 0 27 | 13 51 | 1 47 | 6 29 | 12 42 | 14 44 | 15 0 | 27 1 | 4 48 | 1 42 |
| S 13 | 10 34 | 24 48 | 4 59 | 18 59 | 0s 2 | 3 22 | 0 16 | 23 37 | 0 38 | 20 5 | 0 54 | 11 11 | 2 5 | 14 1 | 0 27 | 13 51 | 1 47 | 6 29 | 12 42 | 14 41 | 14 59 | 27 0 | 4 49 | 1 42 |
| M14 | 10 12 | 21 42 | 5 1 | 18 54 | 0 12 | 3 54 | 0 12 | 23 34 | 0 38 | 20 6 | 0 54 | 11 12 | 2 5 | 14 1 | 0 27 | 13 52 | 1 47 | 6 29 | 12 42 | 14 37 | 14 58 | 27 0 | 4 51 | 1 41 |
| T 15 | 9 50 | 17 39 | 4 50 | 18 48 | 0 22 | 4 25 | 0 9 | 23 30 | 0 39 | 20 7 | 0 54 | 11 14 | 2 5 | 14 1 | 0 27 | 13 52 | 1 47 | 6 30 | 12 42 | 14 33 | 14 57 | 26 59 | 4 52 | 1 41 |
| W16 | 9 28 | 12 49 | 4 25 | 18 41 | 0 31 | 4 56 | 0 5 | 23 27 | 0 40 | 20 7 | 0 54 | 11 16 | 2 5 | 14 1 | 0 27 | 13 53 | 1 47 | 6 30 | 12 41 | 14 29 | 14 56 | 26 59 | 4 53 | 1 41 |
| T 17 | 9 6 | 7 24 | 3 47 | 18 32 | 0 41 | 5 27 | 0 2 | 23 23 | 0 41 | 20 8 | 0 54 | 11 18 | 2 5 | 14 0 | 0 27 | 13 53 | 1 47 | 6 31 | 12 41 | 14 26 | 14 55 | 26 58 | 4 54 | 1 41 |
| F 18 | 8 43 | 1 38 | 2 58 | 18 22 | 0 49 | 5 58 | 0n 2 | 23 19 | 0 42 | 20 9 | 0 54 | 11 20 | 2 5 | 14 0 | 0 27 | 13 53 | 1 47 | 6 31 | 12 41 | 14 23 | 14 54 | 26 57 | 4 55 | 1 41 |
| S 19 | 8 21 | 4n18 | 1 59 | 18 10 | 0 58 | 6 29 | 0 5 | 23 15 | 0 43 | 20 10 | 0 54 | 11 22 | 2 5 | 14 0 | 0 27 | 13 54 | 1 47 | 6 31 | 12 40 | 14 21 | 14 53 | 26 57 | 4 56 | 1 41 |
| S 20 | 7 58 | 10 10 | 0 52 | 17 57 | 1 5 | 7 0 | 0 9 | 23 10 | 0 44 | 20 10 | 0 54 | 11 23 | 2 5 | 14 0 | 0 27 | 13 54 | 1 47 | 6 32 | 12 40 | 14 21 | 14 52 | 26 56 | 4 58 | 1 41 |
| M21 | 7 36 | 15 41 | 0n18 | 17 43 | 1 13 | 7 31 | 0 12 | 23 5 | 0 45 | 20 11 | 0 54 | 11 25 | 2 5 | 13 59 | 0 27 | 13 55 | 1 47 | 6 32 | 12 40 | 14 20 | 14 51 | 26 55 | 4 59 | 1 41 |
| T 22 | 7 13 | 20 33 | 1 29 | 17 27 | 1 20 | 8 1 | 0 16 | 23 0 | 0 45 | 20 11 | 0 54 | 11 27 | 2 5 | 13 59 | 0 27 | 13 55 | 1 47 | 6 32 | 12 40 | 14 21 | 14 50 | 26 55 | 5 0 | 1 41 |
| W23 | 6 50 | 24 24 | 2 36 | 17 10 | 1 27 | 8 31 | 0 19 | 22 55 | 0 46 | 20 12 | 0 54 | 11 29 | 2 5 | 13 59 | 0 27 | 13 55 | 1 46 | 6 33 | 12 39 | 14 21 | 14 49 | 26 54 | 5 1 | 1 40 |
| T 24 | 6 27 | 26 54 | 3 35 | 16 52 | 1 33 | 9 1 | 0 23 | 22 49 | 0 47 | 20 13 | 0 55 | 11 31 | 2 5 | 13 58 | 0 27 | 13 56 | 1 46 | 6 33 | 12 39 | 14 21 | 14 48 | 26 53 | 5 3 | 1 40 |
| F 25 | 6 4 | 27 42 | 4 22 | 16 32 | 1 39 | 9 31 | 0 27 | 22 44 | 0 48 | 20 13 | 0 55 | 11 32 | 2 5 | 13 58 | 0 27 | 13 56 | 1 46 | 6 34 | 12 39 | 14 20 | 14 47 | 26 53 | 5 4 | 1 40 |
| S 26 | 5 41 | 26 37 | 4 53 | 16 11 | 1 45 | 10 1 | 0 31 | 22 38 | 0 49 | 20 13 | 0 55 | 11 34 | 2 5 | 13 58 | 0 27 | 13 57 | 1 46 | 6 34 | 12 38 | 14 19 | 14 46 | 26 52 | 5 5 | 1 40 |
| S 27 | 5 17 | 23 43 | 5 6 | 15 49 | 1 50 | 10 30 | 0 34 | 22 32 | 0 50 | 20 14 | 0 55 | 11 36 | 2 5 | 13 57 | 0 27 | 13 57 | 1 46 | 6 34 | 12 38 | 14 17 | 14 45 | 26 51 | 5 6 | 1 40 |
| M28 | 4s54 | 19n16 | 4n58 | 15s25 | 1s55 | 10n59 | 0n38 | 22s25 | 0s51 | 20s14 | 0n55 | 11n38 | 2n 5 | 13s57 | 0n27 | 13n58 | 1s46 | 6n35 | 12s38 | 14n14 | 14n44 | 26s50 | 5n 8 | 1n40 |

Julian Day Number = 2228786.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°13'57, Lahiri = 15°20'57 Julian Calendar 1 Feb. 1390 == Greg. Calendar 9 Feb. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## MARCH 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 6 59 | 18♓37'53 | 5♍40 | 25♒19 | 28♈ 4 | 23♑33 | 4♐40 | 4°R59 | 8°R27 | 12♉33 | 24♉ 2 | 7°R54 | 9♉32 | 19♑56 | 9♈ 6 | T 1 |
| W 2 | 11 10 56 | 19°37'29 | 20°12 | 26°48 | 29°14 | 24°17 | 4°42 | 4♍55 | 8♏26 | 12°35 | 24° 2 | 7♉47 | 9°29 | 20° 3 | 9°10 | W 2 |
| T 3 | 11 14 52 | 20°37'03 | 4♎26 | 28°17 | 0♉24 | 25° 2 | 4°44 | 4°50 | 8°25 | 12°36 | 24° 3 | 7°41 | 9°26 | 20°10 | 9°13 | T 3 |
| F 4 | 11 18 49 | 21°36'35 | 18°18 | 29°48 | 1°35 | 25°46 | 4°46 | 4°46 | 8°23 | 12°38 | 24° 4 | 7°37 | 9°23 | 20°16 | 9°17 | F 4 |
| S 5 | 11 22 45 | 22°36'06 | 1♏45 | 1♓21 | 2°44 | 26°30 | 4°48 | 4°41 | 8°22 | 12°39 | 24° 4 | 7°D36 | 9°20 | 20°23 | 9°20 | S 5 |
| S 6 | 11 26 42 | 23°35'34 | 14°47 | 2°55 | 3°54 | 27°14 | 4°49 | 4°37 | 8°20 | 12°41 | 24° 5 | 7°36 | 9°16 | 20°30 | 9°24 | S 6 |
| M 7 | 11 30 38 | 24°35'01 | 27°27 | 4°30 | 5° 4 | 27°59 | 4°51 | 4°33 | 8°19 | 12°43 | 24° 6 | 7°37 | 9°13 | 20°36 | 9°28 | M 7 |
| T 8 | 11 34 35 | 25°34'26 | 9♐47 | 6° 6 | 6°13 | 28°43 | 4°52 | 4°28 | 8°17 | 12°44 | 24° 7 | 7°38 | 9°10 | 20°43 | 9°31 | T 8 |
| W 9 | 11 38 31 | 26°33'49 | 21°53 | 7°44 | 7°23 | 29°27 | 4°53 | 4°24 | 8°15 | 12°46 | 24° 7 | 7°R39 | 9° 7 | 20°50 | 9°35 | W 9 |
| T 10 | 11 42 28 | 27°33'10 | 3♑49 | 9°23 | 8°32 | 0♒12 | 4°53 | 4°20 | 8°14 | 12°48 | 24° 8 | 7°39 | 9° 4 | 20°57 | 9°38 | T 10 |
| F 11 | 11 46 25 | 28°32'29 | 15°41 | 11° 4 | 9°41 | 0°56 | 4°54 | 4°16 | 8°12 | 12°49 | 24° 9 | 7°38 | 9° 0 | 21° 3 | 9°42 | F 11 |
| S 12 | 11 50 21 | 29°31'47 | 27°33 | 12°46 | 10°50 | 1°41 | 4°54 | 4°12 | 8°10 | 12°51 | 24°10 | 7°34 | 8°57 | 21°10 | 9°46 | S 12 |
| S 13 | 11 54 18 | 0♈31'03 | 9♒30 | 14°29 | 11°59 | 2°25 | 4°R54 | 4° 7 | 8° 9 | 12°53 | 24°11 | 7°29 | 8°54 | 21°17 | 9°49 | S 13 |
| M14 | 11 58 14 | 1°30'17 | 21°34 | 16°13 | 13° 8 | 3° 9 | 4°54 | 4° 4 | 8° 7 | 12°55 | 24°11 | 7°23 | 8°51 | 21°23 | 9°53 | M14 |
| T 15 | 12 2 11 | 2°29'29 | 3♓50 | 17°59 | 14°16 | 3°54 | 4°54 | 4° 0 | 8° 5 | 12°56 | 24°12 | 7°17 | 8°48 | 21°30 | 9°57 | T 15 |
| W16 | 12 6 7 | 3°28'39 | 16°18 | 19°47 | 15°24 | 4°38 | 4°54 | 3°56 | 8° 3 | 12°58 | 24°13 | 7°11 | 8°45 | 21°37 | 10° 0 | W16 |
| T 17 | 12 10 4 | 4°27'47 | 29° 0 | 21°36 | 16°33 | 5°23 | 4°53 | 3°52 | 8° 1 | 13° 0 | 24°14 | 7° 6 | 8°41 | 21°44 | 10° 4 | T 17 |
| F 18 | 12 14 0 | 5°26'52 | 11♈55 | 23°26 | 17°41 | 6° 7 | 4°52 | 3°48 | 7°59 | 13° 2 | 24°15 | 7° 2 | 8°38 | 21°50 | 10° 8 | F 18 |
| S 19 | 12 17 57 | 6°25'56 | 25° 4 | 25°18 | 18°48 | 6°52 | 4°51 | 3°45 | 7°57 | 13° 4 | 24°16 | 7° 0 | 8°35 | 21°57 | 10°11 | S 19 |
| S 20 | 12 21 53 | 7°24'58 | 8♉26 | 27°11 | 19°56 | 7°36 | 4°50 | 3°41 | 7°55 | 13° 6 | 24°17 | 6°D59 | 8°32 | 22° 4 | 10°15 | S 20 |
| M21 | 12 25 50 | 8°23'57 | 21°59 | 29° 5 | 21° 4 | 8°21 | 4°49 | 3°37 | 7°53 | 13° 7 | 24°18 | 7° 0 | 8°29 | 22°10 | 10°19 | M21 |
| T 22 | 12 29 47 | 9°22'55 | 5♊43 | 1♈ 1 | 22°11 | 9° 5 | 4°47 | 3°34 | 7°51 | 13° 9 | 24°19 | 7° 1 | 8°25 | 22°17 | 10°23 | T 22 |
| W23 | 12 33 43 | 10°21'50 | 19°37 | 2°58 | 23°18 | 9°50 | 4°46 | 3°31 | 7°49 | 13°11 | 24°20 | 7° 3 | 8°22 | 22°24 | 10°26 | W23 |
| T 24 | 12 37 40 | 11°20'43 | 3♋40 | 4°57 | 24°25 | 10°34 | 4°44 | 3°27 | 7°47 | 13°13 | 24°21 | 7° 4 | 8°19 | 22°31 | 10°30 | T 24 |
| F 25 | 12 41 36 | 12°19'33 | 17°50 | 6°57 | 25°32 | 11°19 | 4°42 | 3°24 | 7°44 | 13°15 | 24°22 | 7°R 4 | 8°16 | 22°37 | 10°34 | F 25 |
| S 26 | 12 45 33 | 13°18'21 | 2♌ 6 | 8°58 | 26°38 | 12° 3 | 4°40 | 3°21 | 7°42 | 13°17 | 24°23 | 7° 3 | 8°13 | 22°44 | 10°37 | S 26 |
| S 27 | 12 49 29 | 14°17'07 | 16°25 | 11° 1 | 27°45 | 12°48 | 4°37 | 3°18 | 7°40 | 13°19 | 24°24 | 7° 1 | 8°10 | 22°51 | 10°41 | S 27 |
| M28 | 12 53 26 | 15°15'50 | 0♍43 | 13° 5 | 28°51 | 13°32 | 4°34 | 3°15 | 7°38 | 13°21 | 24°25 | 6°58 | 8° 6 | 22°57 | 10°45 | M28 |
| T 29 | 12 57 22 | 16°14'31 | 14°57 | 15°10 | 29°57 | 14°17 | 4°32 | 3°12 | 7°35 | 13°23 | 24°26 | 6°55 | 8° 3 | 23° 4 | 10°48 | T 29 |
| W30 | 13 1 19 | 17°13'10 | 29° 1 | 17°15 | 1♊ 2 | 15° 1 | 4°29 | 3°10 | 7°33 | 13°25 | 24°28 | 6°52 | 8° 0 | 23°11 | 10°52 | W30 |
| T 31 | 13 5 16 | 18♈11'47 | 12♎52 | 19♈22 | 2♊ 8 | 15♒46 | 4♐26 | 3♍ 7 | 7♏31 | 13♉28 | 24♉29 | 6♉50 | 7♉57 | 23♑18 | 10♈56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 4s31 | 13n40 | 4n31 | 14s59 | 1s59 | 11n28 | 0n42 | 22s19 | 0s52 | 20s15 | 0n55 | 11n39 | 2n 5 | 13s56 | 0n27 | 13n58 | 1s46 | 6n35 | 12s38 | 14n12 | 14n43 | 26s50 | 5n 9 | 1n40 |
| W 2 | 4 7 | 7 22 | 3 47 | 14 33 | 2 3 | 11 57 | 0 46 | 22 12 | 0 53 | 20 15 | 0 55 | 11 41 | 2 5 | 13 56 | 0 27 | 13 59 | 1 46 | 6 36 | 12 37 | 14 9 | 14 42 | 26 49 | 5 10 | 1 40 |
| T 3 | 3 44 | 0 49 | 2 49 | 14 5 | 2 6 | 12 25 | 0 49 | 22 5 | 0 54 | 20 15 | 0 55 | 11 43 | 2 5 | 13 55 | 0 27 | 13 59 | 1 46 | 6 36 | 12 37 | 14 7 | 14 41 | 26 48 | 5 11 | 1 40 |
| F 4 | 3 20 | 5s38 | 1 42 | 13 36 | 2 10 | 12 54 | 0 53 | 21 57 | 0 54 | 20 16 | 0 55 | 11 44 | 2 5 | 13 55 | 0 27 | 14 0 | 1 46 | 6 37 | 12 37 | 14 6 | 14 40 | 26 48 | 5 13 | 1 39 |
| S 5 | 2 57 | 11 38 | 0 32 | 13 5 | 2 12 | 13 21 | 0 57 | 21 50 | 0 55 | 20 16 | 0 55 | 11 46 | 2 5 | 13 54 | 0 27 | 14 0 | 1 46 | 6 37 | 12 36 | 14 5 | 14 39 | 26 47 | 5 14 | 1 39 |
| S 6 | 2 33 | 16 57 | 0s39 | 12 33 | 2 14 | 13 49 | 1 1 | 21 42 | 0 56 | 20 16 | 0 55 | 11 48 | 2 5 | 13 54 | 0 27 | 14 1 | 1 46 | 6 37 | 12 36 | 14 5 | 14 38 | 26 46 | 5 15 | 1 39 |
| M 7 | 2 10 | 21 22 | 1 45 | 12 0 | 2 16 | 14 16 | 1 5 | 21 34 | 0 57 | 20 16 | 0 55 | 11 49 | 2 5 | 13 53 | 0 27 | 14 1 | 1 46 | 6 38 | 12 36 | 14 6 | 14 37 | 26 45 | 5 17 | 1 39 |
| T 8 | 1 46 | 24 43 | 2 45 | 11 26 | 2 17 | 14 43 | 1 8 | 21 26 | 0 58 | 20 16 | 0 55 | 11 51 | 2 5 | 13 53 | 0 27 | 14 2 | 1 46 | 6 38 | 12 36 | 14 6 | 14 36 | 26 44 | 5 18 | 1 39 |
| W 9 | 1 22 | 26 53 | 3 37 | 10 50 | 2 18 | 15 9 | 1 12 | 21 18 | 0 59 | 20 16 | 0 56 | 11 52 | 2 5 | 13 52 | 0 27 | 14 3 | 1 46 | 6 39 | 12 35 | 14 7 | 14 35 | 26 44 | 5 19 | 1 39 |
| T 10 | 0 59 | 27 46 | 4 18 | 10 13 | 2 19 | 15 36 | 1 16 | 21 9 | 1 0 | 20 16 | 0 56 | 11 54 | 2 5 | 13 52 | 0 27 | 14 3 | 1 46 | 6 39 | 12 35 | 14 7 | 14 34 | 26 43 | 5 21 | 1 39 |
| F 11 | 0 35 | 27 22 | 4 48 | 9 34 | 2 18 | 16 2 | 1 20 | 21 0 | 1 1 | 20 16 | 0 56 | 11 55 | 2 5 | 13 51 | 0 27 | 14 4 | 1 46 | 6 40 | 12 35 | 14 6 | 14 33 | 26 42 | 5 22 | 1 39 |
| S 12 | 0 11 | 25 42 | 5 5 | 8 55 | 2 18 | 16 27 | 1 24 | 20 52 | 1 2 | 20 16 | 0 56 | 11 57 | 2 5 | 13 51 | 0 28 | 14 4 | 1 46 | 6 40 | 12 35 | 14 5 | 14 32 | 26 41 | 5 24 | 1 39 |
| S 13 | 0n12 | 22 55 | 5 10 | 8 14 | 2 17 | 16 52 | 1 27 | 20 42 | 1 3 | 20 16 | 0 56 | 11 58 | 2 5 | 13 50 | 0 28 | 14 5 | 1 46 | 6 40 | 12 34 | 14 3 | 14 31 | 26 40 | 5 25 | 1 39 |
| M14 | 0 36 | 19 6 | 5 1 | 7 32 | 2 15 | 17 17 | 1 31 | 20 33 | 1 4 | 20 16 | 0 56 | 12 0 | 2 5 | 13 50 | 0 28 | 14 5 | 1 46 | 6 41 | 12 34 | 14 1 | 14 30 | 26 40 | 5 26 | 1 39 |
| T 15 | 1 0 | 14 27 | 4 38 | 6 48 | 2 13 | 17 41 | 1 35 | 20 23 | 1 5 | 20 16 | 0 56 | 12 1 | 2 5 | 13 49 | 0 28 | 14 6 | 1 46 | 6 41 | 12 34 | 13 59 | 14 29 | 26 39 | 5 28 | 1 38 |
| W16 | 1 23 | 9 8 | 4 1 | 6 4 | 2 11 | 18 5 | 1 39 | 20 14 | 1 6 | 20 16 | 0 56 | 12 2 | 2 5 | 13 48 | 0 28 | 14 6 | 1 45 | 6 42 | 12 34 | 13 57 | 14 28 | 26 38 | 5 29 | 1 38 |
| T 17 | 1 47 | 3 20 | 3 12 | 5 18 | 2 7 | 18 28 | 1 42 | 20 4 | 1 6 | 20 16 | 0 56 | 12 4 | 2 5 | 13 48 | 0 28 | 14 7 | 1 45 | 6 42 | 12 33 | 13 56 | 14 27 | 26 37 | 5 30 | 1 38 |
| F 18 | 2 10 | 2n42 | 2 13 | 4 31 | 2 4 | 18 51 | 1 46 | 19 54 | 1 7 | 20 16 | 0 56 | 12 5 | 2 5 | 13 47 | 0 28 | 14 8 | 1 45 | 6 43 | 12 33 | 13 54 | 14 26 | 26 36 | 5 32 | 1 38 |
| S 19 | 2 34 | 8 44 | 1 5 | 3 43 | 2 0 | 19 14 | 1 50 | 19 43 | 1 8 | 20 15 | 0 56 | 12 6 | 2 5 | 13 46 | 0 28 | 14 8 | 1 45 | 6 43 | 12 33 | 13 54 | 14 25 | 26 35 | 5 33 | 1 38 |
| S 20 | 2 57 | 14 29 | 0n 8 | 2 53 | 1 55 | 19 36 | 1 53 | 19 33 | 1 9 | 20 15 | 0 56 | 12 8 | 2 5 | 13 46 | 0 28 | 14 9 | 1 45 | 6 43 | 12 33 | 13 54 | 14 24 | 26 35 | 5 35 | 1 38 |
| M21 | 3 21 | 19 38 | 1 21 | 2 3 | 1 50 | 19 58 | 1 57 | 19 22 | 1 10 | 20 15 | 0 56 | 12 9 | 2 5 | 13 45 | 0 28 | 14 9 | 1 45 | 6 44 | 12 33 | 13 54 | 14 23 | 26 34 | 5 36 | 1 38 |
| T 22 | 3 44 | 23 49 | 2 31 | 1 11 | 1 45 | 20 19 | 2 1 | 19 11 | 1 11 | 20 14 | 0 56 | 12 10 | 2 5 | 13 44 | 0 28 | 14 10 | 1 45 | 6 44 | 12 32 | 13 54 | 14 22 | 26 33 | 5 37 | 1 38 |
| W23 | 4 7 | 26 39 | 3 33 | 0 19 | 1 38 | 20 40 | 2 4 | 19 0 | 1 12 | 20 14 | 0 56 | 12 11 | 2 5 | 13 44 | 0 28 | 14 11 | 1 45 | 6 45 | 12 32 | 13 55 | 14 21 | 26 32 | 5 39 | 1 38 |
| T 24 | 4 30 | 27 50 | 4 22 | 0n34 | 1 32 | 21 0 | 2 8 | 18 49 | 1 13 | 20 14 | 0 57 | 12 12 | 2 4 | 13 43 | 0 28 | 14 11 | 1 45 | 6 45 | 12 32 | 13 55 | 14 20 | 26 31 | 5 40 | 1 38 |
| F 25 | 4 53 | 27 13 | 4 57 | 1 28 | 1 25 | 21 20 | 2 11 | 18 38 | 1 14 | 20 13 | 0 57 | 12 13 | 2 4 | 13 42 | 0 28 | 14 12 | 1 45 | 6 46 | 12 32 | 13 55 | 14 19 | 26 30 | 5 42 | 1 38 |
| S 26 | 5 16 | 24 50 | 5 13 | 2 23 | 1 17 | 21 39 | 2 14 | 18 26 | 1 15 | 20 13 | 0 57 | 12 14 | 2 4 | 13 42 | 0 28 | 14 13 | 1 45 | 6 46 | 12 31 | 13 55 | 14 18 | 26 29 | 5 43 | 1 38 |
| S 27 | 5 39 | 20 53 | 5 10 | 3 19 | 1 9 | 21 58 | 2 18 | 18 14 | 1 16 | 20 12 | 0 57 | 12 15 | 2 4 | 13 41 | 0 28 | 14 13 | 1 45 | 6 47 | 12 31 | 13 54 | 14 16 | 26 28 | 5 44 | 1 38 |
| M28 | 6 2 | 15 44 | 4 48 | 4 15 | 1 0 | 22 16 | 2 21 | 18 2 | 1 17 | 20 12 | 0 57 | 12 16 | 2 4 | 13 40 | 0 28 | 14 14 | 1 45 | 6 47 | 12 31 | 13 53 | 14 15 | 26 27 | 5 46 | 1 38 |
| T 29 | 6 25 | 9 45 | 4 8 | 5 12 | 0 51 | 22 33 | 2 24 | 17 50 | 1 18 | 20 11 | 0 57 | 12 17 | 2 4 | 13 39 | 0 28 | 14 15 | 1 45 | 6 47 | 12 31 | 13 52 | 14 14 | 26 26 | 5 47 | 1 37 |
| W30 | 6 47 | 3 21 | 3 13 | 6 9 | 0 42 | 22 50 | 2 27 | 17 38 | 1 18 | 20 11 | 0 57 | 12 18 | 2 4 | 13 39 | 0 28 | 14 15 | 1 45 | 6 48 | 12 31 | 13 51 | 14 13 | 26 25 | 5 48 | 1 37 |
| T 31 | 7n10 | 3s 8 | 2n 8 | 7n 7 | 0s32 | 23n 7 | 2n31 | 17s26 | 1s19 | 20s10 | 0n57 | 12n19 | 2n 4 | 13s38 | 0n28 | 14n16 | 1s45 | 6n48 | 12s31 | 13n51 | 14n12 | 26s24 | 5n50 | 1n37 |

Julian Day Number = 2228814.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'00, Lahiri = 15°21'01 Julian Calendar 1 March 1390 == Greg. Calendar 9 March 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## APRIL 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 9 12 | 19♈10'22 | 26♎25 | 21♈29 | 3♊13 | 16♒30 | 4°R22 | 3°R 4 | 7°R28 | 13♉30 | 24♉30 | 6°R49 | 7♉54 | 23♑24 | 10♈59 | F 1 |
| S 2 | 13 13 9 | 20° 8'55 | 9♏41 | 23°36 | 4°18 | 17°15 | 4♐19 | 3♍ 2 | 7♏26 | 13°32 | 24°31 | 6°D49 | 7°51 | 23°31 | 11° 3 | S 2 |
| S 3 | 13 17 5 | 21° 7'26 | 22°37 | 25°44 | 5°23 | 17°59 | 4°15 | 2°59 | 7°24 | 13°34 | 24°32 | 6♉49 | 7°47 | 23°38 | 11° 7 | S 3 |
| M 4 | 13 21 2 | 22° 5'55 | 5♐14 | 27°51 | 6°27 | 18°44 | 4°11 | 2°57 | 7°21 | 13°36 | 24°33 | 6°51 | 7°44 | 23°45 | 11°10 | M 4 |
| T 5 | 13 24 58 | 23° 4'23 | 17°35 | 29°58 | 7°32 | 19°28 | 4° 7 | 2°55 | 7°19 | 13°38 | 24°34 | 6°52 | 7°41 | 23°51 | 11°14 | T 5 |
| W 6 | 13 28 55 | 24° 2'49 | 29°43 | 2♉ 4 | 8°35 | 20°13 | 4° 3 | 2°53 | 7°17 | 13°40 | 24°36 | 6°53 | 7°38 | 23°58 | 11°18 | W 6 |
| T 7 | 13 32 51 | 25° 1'14 | 11♑42 | 4° 9 | 9°39 | 20°57 | 3°59 | 2°51 | 7°14 | 13°42 | 24°37 | 6°54 | 7°35 | 24° 5 | 11°21 | T 7 |
| F 8 | 13 36 48 | 25°59'37 | 23°35 | 6°13 | 10°43 | 21°42 | 3°54 | 2°49 | 7°12 | 13°44 | 24°38 | 6°R54 | 7°31 | 24°11 | 11°25 | F 8 |
| S 9 | 13 40 45 | 26°57'58 | 5♒29 | 8°15 | 11°46 | 22°26 | 3°50 | 2°47 | 7° 9 | 13°47 | 24°39 | 6°54 | 7°28 | 24°18 | 11°29 | S 9 |
| S 10 | 13 44 41 | 27°56'17 | 17°27 | 10°16 | 12°49 | 23°11 | 3°45 | 2°45 | 7° 7 | 13°49 | 24°40 | 6°53 | 7°25 | 24°25 | 11°32 | S 10 |
| M11 | 13 48 38 | 28°54'35 | 29°33 | 12°14 | 13°51 | 23°55 | 3°40 | 2°44 | 7° 4 | 13°51 | 24°42 | 6°53 | 7°22 | 24°32 | 11°36 | M11 |
| T 12 | 13 52 34 | 29°52'52 | 11♓53 | 14° 9 | 14°53 | 24°40 | 3°35 | 2°42 | 7° 2 | 13°53 | 24°43 | 6°52 | 7°19 | 24°38 | 11°39 | T 12 |
| W13 | 13 56 31 | 0♉51'06 | 24°28 | 16° 2 | 15°55 | 25°24 | 3°30 | 2°41 | 6°59 | 13°55 | 24°44 | 6°51 | 7°16 | 24°45 | 11°43 | W13 |
| T 14 | 14 0 27 | 1°49'19 | 7♈20 | 17°52 | 16°57 | 26° 9 | 3°24 | 2°39 | 6°57 | 13°58 | 24°45 | 6°50 | 7°12 | 24°52 | 11°46 | T 14 |
| F 15 | 14 4 24 | 2°47'31 | 20°32 | 19°38 | 17°58 | 26°53 | 3°19 | 2°38 | 6°54 | 14° 0 | 24°47 | 6°50 | 7° 9 | 24°58 | 11°50 | F 15 |
| S 16 | 14 8 20 | 3°45'40 | 4♉ 2 | 21°21 | 18°59 | 27°37 | 3°13 | 2°37 | 6°52 | 14° 2 | 24°48 | 6°D50 | 7° 6 | 25° 5 | 11°53 | S 16 |
| S 17 | 14 12 17 | 4°43'49 | 17°48 | 23° 1 | 20° 0 | 28°22 | 3° 7 | 2°36 | 6°49 | 14° 4 | 24°49 | 6°50 | 7° 3 | 25°12 | 11°57 | S 17 |
| M18 | 14 16 14 | 5°41'55 | 1♊49 | 24°37 | 21° 0 | 29° 6 | 3° 1 | 2°35 | 6°47 | 14° 6 | 24°51 | 6°50 | 7° 0 | 25°19 | 12° 0 | M18 |
| T 19 | 14 20 10 | 6°40'00 | 16° 0 | 26° 9 | 22° 0 | 29°51 | 2°55 | 2°34 | 6°44 | 14° 9 | 24°52 | 6°R50 | 6°57 | 25°25 | 12° 4 | T 19 |
| W20 | 14 24 7 | 7°38'02 | 0♋17 | 27°38 | 22°59 | 0♓35 | 2°49 | 2°33 | 6°42 | 14°11 | 24°53 | 6°50 | 6°53 | 25°32 | 12° 7 | W20 |
| T 21 | 14 28 3 | 8°36'03 | 14°36 | 29° 2 | 23°58 | 1°19 | 2°43 | 2°33 | 6°39 | 14°13 | 24°54 | 6°50 | 6°50 | 25°39 | 12°11 | T 21 |
| F 22 | 14 32 0 | 9°34'02 | 28°54 | 0♊23 | 24°57 | 2° 4 | 2°36 | 2°32 | 6°36 | 14°15 | 24°56 | 6°50 | 6°47 | 25°45 | 12°14 | F 22 |
| S 23 | 14 35 56 | 10°31'59 | 13♌ 8 | 1°39 | 25°55 | 2°48 | 2°30 | 2°32 | 6°34 | 14°18 | 24°57 | 6°D50 | 6°44 | 25°52 | 12°17 | S 23 |
| S 24 | 14 39 53 | 11°29'54 | 27°15 | 2°52 | 26°52 | 3°32 | 2°23 | 2°31 | 6°31 | 14°20 | 24°58 | 6°50 | 6°41 | 25°59 | 12°21 | S 24 |
| M25 | 14 43 49 | 12°27'48 | 11♍14 | 4° 0 | 27°50 | 4°16 | 2°17 | 2°31 | 6°29 | 14°22 | 25° 0 | 6°50 | 6°37 | 26° 6 | 12°24 | M25 |
| T 26 | 14 47 46 | 13°25'39 | 25° 2 | 5° 4 | 28°46 | 5° 1 | 2°10 | 2°D31 | 6°26 | 14°24 | 25° 1 | 6°51 | 6°34 | 26°12 | 12°27 | T 26 |
| W27 | 14 51 43 | 14°23'28 | 8♎38 | 6° 3 | 29°43 | 5°45 | 2° 3 | 2°31 | 6°24 | 14°27 | 25° 2 | 6°51 | 6°31 | 26°19 | 12°31 | W27 |
| T 28 | 14 55 39 | 15°21'16 | 22° 2 | 6°58 | 0♋38 | 6°29 | 1°56 | 2°31 | 6°21 | 14°29 | 25° 4 | 6°52 | 6°28 | 26°26 | 12°34 | T 28 |
| F 29 | 14 59 36 | 16°19'03 | 5♏12 | 7°49 | 1°33 | 7°13 | 1°49 | 2°31 | 6°19 | 14°31 | 25° 5 | 6°R52 | 6°25 | 26°33 | 12°37 | F 29 |
| S 30 | 15 3 32 | 17♉16'48 | 18♏ 8 | 8♊35 | 2♋28 | 7♓57 | 1♐42 | 2♍32 | 6♏16 | 14♉33 | 25♉ 6 | 6♉52 | 6♉22 | 26♑39 | 12♈40 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 7n32 | 9s21 | 0n57 | 8n 4 | 0s22 | 23n23 | 2n34 | 17s13 | 1s20 | 20s 9 | 0n57 | 12n20 | 2n 4 | 13s37 | 0n28 | 14n16 | 1s45 | 6n49 | 12s30 | 13n50 | 14n11 | 26s23 | 5n51 | 1n37 |
| S 2 | 7 54 | 15 1 | 0s16 | 9 1 | 0 11 | 23 38 | 2 37 | 17 0 | 1 21 | 20 9 | 0 57 | 12 21 | 2 4 | 13 36 | 0 28 | 14 17 | 1 45 | 6 49 | 12 30 | 13 50 | 14 10 | 26 22 | 5 53 | 1 37 |
| S 3 | 8 16 | 19 52 | 1 26 | 9 58 | 0 1 | 23 53 | 2 40 | 16 48 | 1 22 | 20 8 | 0 57 | 12 22 | 2 4 | 13 36 | 0 28 | 14 18 | 1 45 | 6 50 | 12 30 | 13 50 | 14 9 | 26 22 | 5 54 | 1 37 |
| M 4 | 8 38 | 23 43 | 2 31 | 10 54 | 0n10 | 24 8 | 2 42 | 16 35 | 1 23 | 20 7 | 0 57 | 12 22 | 2 3 | 13 35 | 0 28 | 14 18 | 1 45 | 6 50 | 12 30 | 13 51 | 14 8 | 26 21 | 5 55 | 1 37 |
| T 5 | 9 0 | 26 22 | 3 27 | 11 49 | 0 21 | 24 21 | 2 45 | 16 22 | 1 24 | 20 6 | 0 57 | 12 23 | 2 3 | 13 34 | 0 28 | 14 19 | 1 45 | 6 51 | 12 30 | 13 51 | 14 7 | 26 20 | 5 57 | 1 37 |
| W 6 | 9 22 | 27 43 | 4 12 | 12 44 | 0 32 | 24 34 | 2 48 | 16 8 | 1 25 | 20 6 | 0 57 | 12 24 | 2 3 | 13 33 | 0 28 | 14 20 | 1 45 | 6 51 | 12 29 | 13 51 | 14 6 | 26 19 | 5 58 | 1 37 |
| T 7 | 9 43 | 27 45 | 4 46 | 13 37 | 0 43 | 24 47 | 2 50 | 15 55 | 1 26 | 20 5 | 0 57 | 12 24 | 2 3 | 13 32 | 0 28 | 14 20 | 1 45 | 6 51 | 12 29 | 13 52 | 14 5 | 26 18 | 6 0 | 1 37 |
| F 8 | 10 4 | 26 30 | 5 8 | 14 29 | 0 53 | 24 59 | 2 53 | 15 41 | 1 27 | 20 4 | 0 57 | 12 25 | 2 3 | 13 32 | 0 28 | 14 21 | 1 45 | 6 52 | 12 29 | 13 52 | 14 4 | 26 16 | 6 1 | 1 37 |
| S 9 | 10 26 | 24 4 | 5 16 | 15 19 | 1 4 | 25 10 | 2 55 | 15 28 | 1 28 | 20 3 | 0 57 | 12 26 | 2 3 | 13 31 | 0 28 | 14 22 | 1 45 | 6 52 | 12 29 | 13 52 | 14 3 | 26 15 | 6 2 | 1 37 |
| S 10 | 10 47 | 20 35 | 5 11 | 16 7 | 1 14 | 25 21 | 2 58 | 15 14 | 1 28 | 20 2 | 0 57 | 12 26 | 2 3 | 13 30 | 0 28 | 14 22 | 1 45 | 6 53 | 12 29 | 13 52 | 14 2 | 26 14 | 6 4 | 1 37 |
| M11 | 11 7 | 16 13 | 4 52 | 16 53 | 1 24 | 25 31 | 3 0 | 15 0 | 1 29 | 20 1 | 0 57 | 12 27 | 2 3 | 13 29 | 0 28 | 14 23 | 1 45 | 6 53 | 12 29 | 13 51 | 14 1 | 26 13 | 6 5 | 1 37 |
| T 12 | 11 28 | 11 7 | 4 19 | 17 37 | 1 33 | 25 41 | 3 2 | 14 46 | 1 30 | 20 0 | 0 57 | 12 27 | 2 2 | 13 28 | 0 28 | 14 24 | 1 45 | 6 54 | 12 29 | 13 51 | 14 0 | 26 12 | 6 6 | 1 37 |
| W13 | 11 49 | 5 28 | 3 34 | 18 19 | 1 42 | 25 50 | 3 4 | 14 32 | 1 31 | 19 59 | 0 57 | 12 27 | 2 2 | 13 28 | 0 28 | 14 24 | 1 45 | 6 54 | 12 28 | 13 51 | 13 59 | 26 11 | 6 8 | 1 37 |
| T 14 | 12 9 | 0n32 | 2 36 | 18 59 | 1 51 | 25 58 | 3 6 | 14 17 | 1 32 | 19 58 | 0 57 | 12 28 | 2 2 | 13 27 | 0 28 | 14 25 | 1 45 | 6 54 | 12 28 | 13 51 | 13 58 | 26 10 | 6 9 | 1 37 |
| F 15 | 12 29 | 6 40 | 1 29 | 19 36 | 1 58 | 26 6 | 3 8 | 14 3 | 1 33 | 19 57 | 0 57 | 12 28 | 2 2 | 13 26 | 0 28 | 14 26 | 1 45 | 6 55 | 12 28 | 13 50 | 13 57 | 26 9 | 6 10 | 1 37 |
| S 16 | 12 49 | 12 40 | 0 15 | 20 11 | 2 5 | 26 13 | 3 10 | 13 48 | 1 34 | 19 56 | 0 57 | 12 28 | 2 2 | 13 25 | 0 28 | 14 26 | 1 45 | 6 55 | 12 28 | 13 50 | 13 56 | 26 8 | 6 12 | 1 37 |
| S 17 | 13 9 | 18 10 | 1n 0 | 20 43 | 2 12 | 26 19 | 3 12 | 13 34 | 1 35 | 19 55 | 0 57 | 12 29 | 2 2 | 13 24 | 0 28 | 14 27 | 1 45 | 6 56 | 12 28 | 13 50 | 13 55 | 26 7 | 6 13 | 1 37 |
| M18 | 13 28 | 22 47 | 2 14 | 21 12 | 2 17 | 26 25 | 3 13 | 13 19 | 1 36 | 19 54 | 0 57 | 12 29 | 2 2 | 13 23 | 0 28 | 14 28 | 1 45 | 6 56 | 12 28 | 13 50 | 13 54 | 26 6 | 6 14 | 1 36 |
| T 19 | 13 47 | 26 6 | 3 20 | 21 39 | 2 22 | 26 31 | 3 14 | 13 4 | 1 36 | 19 53 | 0 57 | 12 29 | 2 2 | 13 23 | 0 28 | 14 28 | 1 45 | 6 56 | 12 28 | 13 50 | 13 53 | 26 5 | 6 16 | 1 36 |
| W20 | 14 6 | 27 46 | 4 15 | 22 4 | 2 26 | 26 35 | 3 16 | 12 49 | 1 37 | 19 52 | 0 57 | 12 29 | 2 1 | 13 22 | 0 28 | 14 29 | 1 45 | 6 57 | 12 28 | 13 50 | 13 52 | 26 4 | 6 17 | 1 36 |
| T 21 | 14 25 | 27 35 | 4 53 | 22 26 | 2 29 | 26 40 | 3 17 | 12 34 | 1 38 | 19 50 | 0 57 | 12 29 | 2 1 | 13 21 | 0 27 | 14 30 | 1 45 | 6 57 | 12 27 | 13 50 | 13 51 | 26 3 | 6 18 | 1 36 |
| F 22 | 14 44 | 25 34 | 5 14 | 22 46 | 2 31 | 26 43 | 3 18 | 12 19 | 1 39 | 19 49 | 0 57 | 12 29 | 2 1 | 13 20 | 0 27 | 14 30 | 1 45 | 6 58 | 12 27 | 13 50 | 13 50 | 26 1 | 6 20 | 1 36 |
| S 23 | 15 2 | 21 57 | 5 15 | 23 3 | 2 33 | 26 46 | 3 19 | 12 4 | 1 40 | 19 48 | 0 57 | 12 29 | 2 1 | 13 19 | 0 27 | 14 31 | 1 45 | 6 58 | 12 27 | 13 50 | 13 48 | 26 0 | 6 21 | 1 36 |
| S 24 | 15 20 | 17 6 | 4 57 | 23 18 | 2 33 | 26 49 | 3 20 | 11 49 | 1 41 | 19 47 | 0 57 | 12 29 | 2 1 | 13 18 | 0 27 | 14 32 | 1 45 | 6 58 | 12 27 | 13 50 | 13 47 | 25 59 | 6 22 | 1 36 |
| M25 | 15 38 | 11 24 | 4 22 | 23 31 | 2 32 | 26 50 | 3 20 | 11 33 | 1 42 | 19 45 | 0 57 | 12 29 | 2 1 | 13 18 | 0 27 | 14 32 | 1 45 | 6 59 | 12 27 | 13 51 | 13 46 | 25 58 | 6 24 | 1 36 |
| T 26 | 15 55 | 5 13 | 3 31 | 23 41 | 2 31 | 26 52 | 3 21 | 11 18 | 1 42 | 19 44 | 0 57 | 12 29 | 2 1 | 13 17 | 0 27 | 14 33 | 1 45 | 6 59 | 12 27 | 13 51 | 13 45 | 25 57 | 6 25 | 1 36 |
| W27 | 16 13 | 1s 8 | 2 30 | 23 50 | 2 28 | 26 52 | 3 21 | 11 2 | 1 43 | 19 43 | 0 57 | 12 29 | 2 0 | 13 16 | 0 27 | 14 34 | 1 45 | 7 0 | 12 27 | 13 51 | 13 44 | 25 56 | 6 26 | 1 36 |
| T 28 | 16 30 | 7 21 | 1 21 | 23 56 | 2 25 | 26 52 | 3 21 | 10 46 | 1 44 | 19 41 | 0 57 | 12 29 | 2 0 | 13 15 | 0 27 | 14 34 | 1 45 | 7 0 | 12 27 | 13 51 | 13 43 | 25 55 | 6 27 | 1 36 |
| F 29 | 16 46 | 13 9 | 0 9 | 24 0 | 2 21 | 26 52 | 3 21 | 10 31 | 1 45 | 19 40 | 0 57 | 12 29 | 2 0 | 13 14 | 0 27 | 14 35 | 1 45 | 7 0 | 12 27 | 13 51 | 13 42 | 25 53 | 6 29 | 1 36 |
| S 30 | 17n 3 | 18s17 | 1s 2 | 24n 2 | 2n15 | 26n51 | 3n21 | 10s15 | 1s46 | 19s39 | 0n57 | 12n28 | 2n 0 | 13s14 | 0n27 | 14n36 | 1s45 | 7n 1 | 12s27 | 13n51 | 13n41 | 25s52 | 6n30 | 1n36 |

Julian Day Number = 2228845.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'05, Lahiri = 15°21'05 Julian Calendar 1 Apr. 1390 == Greg. Calendar 9 Apr. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## MAY 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 7 29 | 18♉14'31 | 0♐50 | 9♊17 | 3♋22 | 8♓41 | 1°R35 | 2♍32 | 6°R14 | 14♉36 | 25♉ 8 | 6°R51 | 6♉18 | 26♏46 | 12♈43 | S 1 |
| M 2 | 15 11 25 | 19°12'13 | 13°18 | 9°54 | 4°16 | 9°25 | 1♐27 | 2°33 | 6♏12 | 14°38 | 25° 9 | 6♉50 | 6°15 | 26°53 | 12°47 | M 2 |
| T 3 | 15 15 22 | 20° 9'54 | 25°35 | 10°27 | 5° 9 | 10° 9 | 1°20 | 2°33 | 6° 9 | 14°40 | 25°11 | 6°48 | 6°12 | 26°59 | 12°50 | T 3 |
| W 4 | 15 19 18 | 21° 7'34 | 7♏40 | 10°54 | 6° 1 | 10°53 | 1°13 | 2°34 | 6° 7 | 14°42 | 25°12 | 6°46 | 6° 9 | 27° 6 | 12°53 | W 4 |
| T 5 | 15 23 15 | 22° 5'13 | 19°38 | 11°17 | 6°52 | 11°37 | 1° 5 | 2°35 | 6° 4 | 14°45 | 25°13 | 6°44 | 6° 6 | 27°13 | 12°56 | T 5 |
| F 6 | 15 27 12 | 23° 2'50 | 1♒32 | 11°35 | 7°43 | 12°21 | 0°58 | 2°36 | 6° 2 | 14°47 | 25°15 | 6°42 | 6° 3 | 27°20 | 12°59 | F 6 |
| S 7 | 15 31 8 | 24° 0'27 | 13°26 | 11°49 | 8°34 | 13° 5 | 0°50 | 2°37 | 6° 0 | 14°49 | 25°16 | 6°41 | 5°59 | 27°26 | 13° 2 | S 7 |
| S 8 | 15 35 5 | 24°58'02 | 25°23 | 11°57 | 9°23 | 13°49 | 0°43 | 2°38 | 5°57 | 14°51 | 25°17 | 6°D41 | 5°56 | 27°33 | 13° 5 | S 8 |
| M 9 | 15 39 1 | 25°55'37 | 7♓29 | 12°R 1 | 10°12 | 14°32 | 0°35 | 2°39 | 5°55 | 14°54 | 25°19 | 6°41 | 5°53 | 27°40 | 13° 8 | M 9 |
| T 10 | 15 42 58 | 26°53'10 | 19°48 | 12° 0 | 11° 0 | 15°16 | 0°28 | 2°41 | 5°53 | 14°56 | 25°20 | 6°42 | 5°50 | 27°46 | 13°11 | T 10 |
| W11 | 15 46 54 | 27°50'43 | 2♈24 | 11°55 | 11°47 | 16° 0 | 0°20 | 2°42 | 5°50 | 14°58 | 25°21 | 6°44 | 5°47 | 27°53 | 13°14 | W11 |
| T 12 | 15 50 51 | 28°48'15 | 15°21 | 11°46 | 12°33 | 16°44 | 0°12 | 2°44 | 5°48 | 15° 0 | 25°23 | 6°45 | 5°43 | 28° 0 | 13°16 | T 12 |
| F 13 | 15 54 47 | 29°45'46 | 28°41 | 11°32 | 13°19 | 17°27 | 0° 5 | 2°45 | 5°46 | 15° 2 | 25°24 | 6°46 | 5°40 | 28° 7 | 13°19 | F 13 |
| S 14 | 15 58 44 | 0♊43'16 | 12♉25 | 11°14 | 14° 4 | 18°11 | 29♏57 | 2°47 | 5°44 | 15° 5 | 25°25 | 6°R46 | 5°37 | 28°13 | 13°22 | S 14 |
| S 15 | 16 2 41 | 1°40'45 | 26°31 | 10°53 | 14°47 | 18°54 | 29°49 | 2°49 | 5°41 | 15° 7 | 25°27 | 6°45 | 5°34 | 28°20 | 13°25 | S 15 |
| M16 | 16 6 37 | 2°38'13 | 10♊56 | 10°29 | 15°30 | 19°38 | 29°42 | 2°51 | 5°39 | 15° 9 | 25°28 | 6°43 | 5°31 | 28°27 | 13°27 | M16 |
| T 17 | 16 10 34 | 3°35'40 | 25°34 | 10° 1 | 16°12 | 20°21 | 29°34 | 2°53 | 5°37 | 15°11 | 25°30 | 6°40 | 5°28 | 28°34 | 13°30 | T 17 |
| W18 | 16 14 30 | 4°33'06 | 10♋18 | 9°32 | 16°52 | 21° 4 | 29°27 | 2°55 | 5°35 | 15°13 | 25°31 | 6°36 | 5°24 | 28°40 | 13°33 | W18 |
| T 19 | 16 18 27 | 5°30'31 | 25° 1 | 9° 0 | 17°32 | 21°48 | 29°19 | 2°57 | 5°33 | 15°15 | 25°32 | 6°32 | 5°21 | 28°47 | 13°35 | T 19 |
| F 20 | 16 22 23 | 6°27'55 | 9♌37 | 8°28 | 18°11 | 22°31 | 29°11 | 3° 0 | 5°31 | 15°18 | 25°34 | 6°29 | 5°18 | 28°54 | 13°38 | F 20 |
| S 21 | 16 26 20 | 7°25'18 | 23°59 | 7°54 | 18°48 | 23°14 | 29° 4 | 3° 2 | 5°29 | 15°20 | 25°35 | 6°27 | 5°15 | 29° 0 | 13°40 | S 21 |
| S 22 | 16 30 17 | 8°22'39 | 8♍ 6 | 7°21 | 19°24 | 23°57 | 28°56 | 3° 5 | 5°27 | 15°22 | 25°36 | 6°D26 | 5°12 | 29° 7 | 13°43 | S 22 |
| M23 | 16 34 13 | 9°19'59 | 21°55 | 6°48 | 19°59 | 24°40 | 28°49 | 3° 7 | 5°25 | 15°24 | 25°38 | 6°27 | 5° 8 | 29°14 | 13°45 | M23 |
| T 24 | 16 38 10 | 10°17'18 | 5♎27 | 6°16 | 20°32 | 25°23 | 28°42 | 3°10 | 5°23 | 15°26 | 25°39 | 6°28 | 5° 5 | 29°21 | 13°48 | T 24 |
| W25 | 16 42 6 | 11°14'36 | 18°43 | 5°45 | 21° 4 | 26° 6 | 28°34 | 3°13 | 5°21 | 15°28 | 25°40 | 6°30 | 5° 2 | 29°27 | 13°50 | W25 |
| T 26 | 16 46 3 | 12°11'54 | 1♏44 | 5°16 | 21°35 | 26°49 | 28°27 | 3°16 | 5°19 | 15°30 | 25°42 | 6°R31 | 4°59 | 29°34 | 13°52 | T 26 |
| F 27 | 16 49 59 | 13° 9'10 | 14°33 | 4°50 | 22° 4 | 27°31 | 28°20 | 3°19 | 5°17 | 15°32 | 25°43 | 6°30 | 4°56 | 29°41 | 13°55 | F 27 |
| S 28 | 16 53 56 | 14° 6'26 | 27° 9 | 4°27 | 22°32 | 28°14 | 28°13 | 3°22 | 5°16 | 15°34 | 25°44 | 6°29 | 4°53 | 29°48 | 13°57 | S 28 |
| S 29 | 16 57 52 | 15° 3'41 | 9♐35 | 4° 7 | 22°58 | 28°57 | 28° 6 | 3°25 | 5°14 | 15°36 | 25°45 | 6°25 | 4°49 | 29°54 | 13°59 | S 29 |
| M30 | 17 1 49 | 16° 0'55 | 21°51 | 3°51 | 23°23 | 29°39 | 27°59 | 3°28 | 5°12 | 15°38 | 25°47 | 6°20 | 4°46 | 0♒ 1 | 14° 1 | M30 |
| T 31 | 17 5 46 | 16♊58'09 | 3♏59 | 3♊39 | 23♋45 | 0♈22 | 27♏52 | 3♍32 | 5♏10 | 15♉40 | 25♉48 | 6♉13 | 4♉43 | 0♒ 8 | 14♈ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n19 | 22s29 | 2s 9 | 24n 2 | 2n 9 | 26n49 | 3n21 | 9s59 | 1s47 | 19s37 | 0n57 | 12n28 | 2n 0 | 13s13 | 0n27 | 14n36 | 1s45 | 7n 1 | 12s27 | 13n51 | 13n40 | 25s51 | 6n31 | 1n36 |
| M 2 | 17 35 | 25 35 | 3 8 | 24 1 | 2 1 | 26 47 | 3 20 | 9 43 | 1 47 | 19 36 | 0 57 | 12 28 | 2 0 | 13 12 | 0 27 | 14 37 | 1 45 | 7 1 | 12 26 | 13 50 | 13 39 | 25 50 | 6 32 | 1 36 |
| T 3 | 17 51 | 27 24 | 3 58 | 23 57 | 1 53 | 26 45 | 3 19 | 9 27 | 1 48 | 19 34 | 0 57 | 12 27 | 2 0 | 13 11 | 0 27 | 14 38 | 1 45 | 7 2 | 12 26 | 13 50 | 13 38 | 25 49 | 6 33 | 1 36 |
| W 4 | 18 6 | 27 53 | 4 36 | 23 52 | 1 43 | 26 41 | 3 19 | 9 11 | 1 49 | 19 33 | 0 57 | 12 27 | 1 59 | 13 10 | 0 27 | 14 38 | 1 45 | 7 2 | 12 26 | 13 49 | 13 37 | 25 47 | 6 35 | 1 36 |
| T 5 | 18 21 | 27 3 | 5 1 | 23 45 | 1 33 | 26 38 | 3 18 | 8 55 | 1 50 | 19 32 | 0 56 | 12 26 | 1 59 | 13 10 | 0 27 | 14 39 | 1 45 | 7 2 | 12 26 | 13 49 | 13 36 | 25 46 | 6 36 | 1 36 |
| F 6 | 18 36 | 24 59 | 5 14 | 23 36 | 1 22 | 26 34 | 3 16 | 8 39 | 1 51 | 19 30 | 0 56 | 12 26 | 1 59 | 13 9 | 0 27 | 14 40 | 1 45 | 7 3 | 12 26 | 13 48 | 13 35 | 25 45 | 6 37 | 1 36 |
| S 7 | 18 50 | 21 50 | 5 13 | 23 26 | 1 10 | 26 29 | 3 15 | 8 23 | 1 51 | 19 29 | 0 56 | 12 25 | 1 59 | 13 8 | 0 27 | 14 40 | 1 45 | 7 3 | 12 26 | 13 48 | 13 34 | 25 44 | 6 38 | 1 36 |
| S 8 | 19 4 | 17 47 | 4 59 | 23 14 | 0 56 | 26 24 | 3 13 | 8 7 | 1 52 | 19 27 | 0 56 | 12 25 | 1 59 | 13 7 | 0 27 | 14 41 | 1 45 | 7 4 | 12 26 | 13 47 | 13 33 | 25 42 | 6 39 | 1 36 |
| M 9 | 19 18 | 12 59 | 4 31 | 23 1 | 0 42 | 26 19 | 3 12 | 7 50 | 1 53 | 19 26 | 0 56 | 12 24 | 1 59 | 13 7 | 0 27 | 14 42 | 1 45 | 7 4 | 12 26 | 13 48 | 13 32 | 25 41 | 6 40 | 1 36 |
| T 10 | 19 32 | 7 35 | 3 50 | 22 46 | 0 28 | 26 13 | 3 10 | 7 34 | 1 54 | 19 24 | 0 56 | 12 24 | 1 58 | 13 6 | 0 27 | 14 42 | 1 45 | 7 4 | 12 26 | 13 48 | 13 31 | 25 40 | 6 42 | 1 36 |
| W11 | 19 45 | 1 46 | 2 58 | 22 30 | 0 12 | 26 6 | 3 7 | 7 18 | 1 54 | 19 23 | 0 56 | 12 23 | 1 58 | 13 5 | 0 27 | 14 43 | 1 45 | 7 5 | 12 26 | 13 48 | 13 30 | 25 39 | 6 43 | 1 36 |
| T 12 | 19 58 | 4n18 | 1 55 | 22 13 | 0s 4 | 26 0 | 3 5 | 7 1 | 1 55 | 19 21 | 0 56 | 12 22 | 1 58 | 13 4 | 0 27 | 14 43 | 1 45 | 7 5 | 12 26 | 13 49 | 13 28 | 25 37 | 6 44 | 1 36 |
| F 13 | 20 10 | 10 21 | 0 44 | 21 55 | 0 20 | 25 52 | 3 2 | 6 45 | 1 56 | 19 20 | 0 56 | 12 22 | 1 58 | 13 4 | 0 27 | 14 44 | 1 45 | 7 5 | 12 26 | 13 49 | 13 27 | 25 36 | 6 45 | 1 36 |
| S 14 | 20 22 | 16 6 | 0n31 | 21 35 | 0 37 | 25 45 | 2 59 | 6 29 | 1 57 | 19 18 | 0 56 | 12 21 | 1 58 | 13 3 | 0 27 | 14 45 | 1 45 | 7 5 | 12 26 | 13 49 | 13 26 | 25 35 | 6 46 | 1 36 |
| S 15 | 20 34 | 21 10 | 1 46 | 21 15 | 0 54 | 25 37 | 2 56 | 6 12 | 1 57 | 19 17 | 0 56 | 12 20 | 1 58 | 13 2 | 0 27 | 14 45 | 1 45 | 7 6 | 12 26 | 13 49 | 13 25 | 25 34 | 6 47 | 1 36 |
| M16 | 20 45 | 25 4 | 2 56 | 20 55 | 1 12 | 25 28 | 2 53 | 5 56 | 1 58 | 19 15 | 0 55 | 12 19 | 1 58 | 13 1 | 0 27 | 14 46 | 1 45 | 7 6 | 12 26 | 13 48 | 13 24 | 25 32 | 6 48 | 1 36 |
| T 17 | 20 57 | 27 23 | 3 56 | 20 34 | 1 29 | 25 20 | 2 49 | 5 39 | 1 59 | 19 14 | 0 55 | 12 18 | 1 57 | 13 1 | 0 27 | 14 47 | 1 45 | 7 6 | 12 26 | 13 47 | 13 23 | 25 31 | 6 49 | 1 36 |
| W18 | 21 7 | 27 47 | 4 40 | 20 12 | 1 46 | 25 11 | 2 45 | 5 23 | 1 59 | 19 12 | 0 55 | 12 17 | 1 57 | 13 0 | 0 27 | 14 47 | 1 45 | 7 7 | 12 26 | 13 46 | 13 22 | 25 30 | 6 50 | 1 36 |
| T 19 | 21 18 | 26 13 | 5 6 | 19 51 | 2 3 | 25 2 | 2 41 | 5 6 | 2 0 | 19 11 | 0 55 | 12 16 | 1 57 | 12 59 | 0 27 | 14 48 | 1 45 | 7 7 | 12 26 | 13 45 | 13 21 | 25 28 | 6 51 | 1 36 |
| F 20 | 21 28 | 22 55 | 5 12 | 19 30 | 2 19 | 24 52 | 2 37 | 4 50 | 2 1 | 19 9 | 0 55 | 12 15 | 1 57 | 12 59 | 0 27 | 14 48 | 1 45 | 7 7 | 12 26 | 13 44 | 13 20 | 25 27 | 6 52 | 1 36 |
| S 21 | 21 37 | 18 15 | 4 58 | 19 9 | 2 35 | 24 42 | 2 32 | 4 33 | 2 2 | 19 8 | 0 55 | 12 14 | 1 57 | 12 58 | 0 27 | 14 49 | 1 45 | 7 8 | 12 26 | 13 43 | 13 19 | 25 26 | 6 53 | 1 36 |
| S 22 | 21 47 | 12 40 | 4 26 | 18 49 | 2 50 | 24 32 | 2 27 | 4 17 | 2 2 | 19 6 | 0 55 | 12 13 | 1 57 | 12 57 | 0 27 | 14 50 | 1 45 | 7 8 | 12 26 | 13 43 | 13 18 | 25 24 | 6 54 | 1 36 |
| M23 | 21 56 | 6 34 | 3 39 | 18 29 | 3 4 | 24 22 | 2 22 | 4 0 | 2 3 | 19 5 | 0 54 | 12 12 | 1 57 | 12 57 | 0 27 | 14 50 | 1 45 | 7 8 | 12 26 | 13 43 | 13 17 | 25 23 | 6 55 | 1 36 |
| T 24 | 22 4 | 0 18 | 2 41 | 18 11 | 3 17 | 24 11 | 2 16 | 3 44 | 2 4 | 19 3 | 0 54 | 12 11 | 1 56 | 12 56 | 0 27 | 14 51 | 1 45 | 7 8 | 12 26 | 13 43 | 13 16 | 25 22 | 6 56 | 1 36 |
| W25 | 22 12 | 5s53 | 1 36 | 17 54 | 3 29 | 24 0 | 2 10 | 3 27 | 2 4 | 19 2 | 0 54 | 12 10 | 1 56 | 12 56 | 0 27 | 14 51 | 1 45 | 7 9 | 12 26 | 13 44 | 13 15 | 25 20 | 6 57 | 1 36 |
| T 26 | 22 20 | 11 43 | 0 26 | 17 38 | 3 40 | 23 49 | 2 4 | 3 11 | 2 5 | 19 0 | 0 54 | 12 9 | 1 56 | 12 55 | 0 27 | 14 52 | 1 45 | 7 9 | 12 26 | 13 44 | 13 14 | 25 19 | 6 58 | 1 36 |
| F 27 | 22 27 | 16 57 | 0s44 | 17 24 | 3 50 | 23 38 | 1 57 | 2 54 | 2 5 | 18 59 | 0 54 | 12 8 | 1 56 | 12 54 | 0 27 | 14 53 | 1 45 | 7 9 | 12 26 | 13 44 | 13 13 | 25 17 | 6 59 | 1 36 |
| S 28 | 22 34 | 21 22 | 1 50 | 17 12 | 3 58 | 23 27 | 1 51 | 2 38 | 2 6 | 18 57 | 0 54 | 12 6 | 1 56 | 12 54 | 0 27 | 14 53 | 1 45 | 7 9 | 12 26 | 13 43 | 13 11 | 25 16 | 7 0 | 1 36 |
| S 29 | 22 41 | 24 46 | 2 50 | 17 2 | 4 5 | 23 15 | 1 43 | 2 21 | 2 7 | 18 56 | 0 54 | 12 5 | 1 56 | 12 53 | 0 27 | 14 54 | 1 45 | 7 10 | 12 26 | 13 42 | 13 10 | 25 15 | 7 0 | 1 36 |
| M30 | 22 47 | 26 57 | 3 41 | 16 54 | 4 10 | 23 4 | 1 36 | 2 5 | 2 7 | 18 55 | 0 53 | 12 4 | 1 56 | 12 53 | 0 27 | 14 54 | 1 45 | 7 10 | 12 26 | 13 40 | 13 9 | 25 13 | 7 1 | 1 36 |
| T 31 | 22n53 | 27s49 | 4s21 | 16n47 | 4s14 | 22n52 | 1n28 | 1s49 | 2s 8 | 18s53 | 0n53 | 12n 2 | 1n55 | 12s52 | 0n27 | 14n55 | 1s45 | 7n10 | 12s26 | 13n38 | 13n 8 | 25s12 | 7n 2 | 1n36 |

Julian Day Number = 2228875.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'09, Lahiri = 15°21'09 Julian Calendar 1 May 1390 == Greg. Calendar 9 May 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## JUNE 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 9 42 | 17♊55'22 | 16♉ 0 | 3°R31 | 24♋ 6 | 1♈ 4 | 27°R45 | 3♍35 | 5°R 9 | 15♉42 | 25♉49 | 6°R 5 | 4♉40 | 0♒14 | 14♈ 5 | W 1 |
| T 2 | 17 13 39 | 18°52'35 | 27°56 | 3°D28 | 24°26 | 1°46 | 27♏38 | 3°39 | 5♏ 7 | 15°44 | 25°51 | 5♉58 | 4°37 | 0°21 | 14° 7 | T 2 |
| F 3 | 17 17 35 | 19°49'48 | 9♒48 | 3♊29 | 24°43 | 2°29 | 27°32 | 3°42 | 5° 6 | 15°46 | 25°52 | 5°51 | 4°34 | 0°28 | 14° 9 | F 3 |
| S 4 | 17 21 32 | 20°47'00 | 21°41 | 3°35 | 24°58 | 3°11 | 27°25 | 3°46 | 5° 4 | 15°48 | 25°53 | 5°45 | 4°30 | 0°35 | 14°11 | S 4 |
| S 5 | 17 25 28 | 21°44'12 | 3♓37 | 3°45 | 25°12 | 3°53 | 27°19 | 3°50 | 5° 3 | 15°50 | 25°54 | 5°42 | 4°27 | 0°41 | 14°13 | S 5 |
| M 6 | 17 29 25 | 22°41'24 | 15°41 | 4° 0 | 25°23 | 4°35 | 27°12 | 3°54 | 5° 1 | 15°52 | 25°56 | 5°40 | 4°24 | 0°48 | 14°15 | M 6 |
| T 7 | 17 33 21 | 23°38'36 | 27°57 | 4°20 | 25°32 | 5°17 | 27° 6 | 3°58 | 5° 0 | 15°54 | 25°57 | 5°D40 | 4°21 | 0°55 | 14°17 | T 7 |
| W 8 | 17 37 18 | 24°35'48 | 10♈30 | 4°44 | 25°39 | 5°58 | 27° 0 | 4° 2 | 4°58 | 15°56 | 25°58 | 5°41 | 4°18 | 1° 1 | 14°18 | W 8 |
| T 9 | 17 41 15 | 25°33'00 | 23°25 | 5°13 | 25°44 | 6°40 | 26°54 | 4° 6 | 4°57 | 15°57 | 25°59 | 5°42 | 4°14 | 1° 8 | 14°20 | T 9 |
| F 10 | 17 45 11 | 26°30'12 | 6♉46 | 5°47 | 25°47 | 7°22 | 26°48 | 4°10 | 4°56 | 15°59 | 26° 0 | 5°R42 | 4°11 | 1°15 | 14°22 | F 10 |
| S 11 | 17 49 8 | 27°27'24 | 20°33 | 6°25 | 25°R47 | 8° 3 | 26°43 | 4°14 | 4°55 | 16° 1 | 26° 2 | 5°41 | 4° 8 | 1°22 | 14°23 | S 11 |
| S 12 | 17 53 4 | 28°24'36 | 4♊48 | 7° 8 | 25°45 | 8°45 | 26°37 | 4°19 | 4°53 | 16° 3 | 26° 3 | 5°38 | 4° 5 | 1°28 | 14°25 | S 12 |
| M13 | 17 57 1 | 29°21'48 | 19°28 | 7°55 | 25°41 | 9°26 | 26°32 | 4°23 | 4°52 | 16° 5 | 26° 4 | 5°33 | 4° 2 | 1°35 | 14°26 | M13 |
| T 14 | 18 0 57 | 0♋19'00 | 4♋25 | 8°47 | 25°34 | 10° 7 | 26°26 | 4°28 | 4°51 | 16° 6 | 26° 5 | 5°26 | 3°59 | 1°42 | 14°28 | T 14 |
| W15 | 18 4 54 | 1°16'12 | 19°32 | 9°43 | 25°25 | 10°48 | 26°21 | 4°32 | 4°50 | 16° 8 | 26° 6 | 5°18 | 3°55 | 1°49 | 14°29 | W15 |
| T 16 | 18 8 50 | 2°13'24 | 4♌37 | 10°44 | 25°14 | 11°29 | 26°16 | 4°37 | 4°49 | 16°10 | 26° 7 | 5°10 | 3°52 | 1°55 | 14°30 | T 16 |
| F 17 | 18 12 47 | 3°10'35 | 19°33 | 11°48 | 25° 0 | 12°10 | 26°11 | 4°42 | 4°48 | 16°12 | 26° 9 | 5° 3 | 3°49 | 2° 2 | 14°32 | F 17 |
| S 18 | 18 16 44 | 4° 7'47 | 4♍10 | 12°57 | 24°44 | 12°50 | 26° 7 | 4°46 | 4°47 | 16°13 | 26°10 | 4°57 | 3°46 | 2° 9 | 14°33 | S 18 |
| S 19 | 18 20 40 | 5° 4'58 | 18°25 | 14°10 | 24°26 | 13°31 | 26° 2 | 4°51 | 4°47 | 16°15 | 26°11 | 4°54 | 3°43 | 2°15 | 14°34 | S 19 |
| M20 | 18 24 37 | 6° 2'08 | 2♎15 | 15°27 | 24° 5 | 14°11 | 25°58 | 4°56 | 4°46 | 16°16 | 26°12 | 4°D53 | 3°40 | 2°22 | 14°35 | M20 |
| T 21 | 18 28 33 | 6°59'19 | 15°42 | 16°48 | 23°42 | 14°52 | 25°53 | 5° 1 | 4°45 | 16°18 | 26°13 | 4°53 | 3°36 | 2°29 | 14°36 | T 21 |
| W22 | 18 32 30 | 7°56'29 | 28°48 | 18°13 | 23°17 | 15°32 | 25°49 | 5° 6 | 4°44 | 16°20 | 26°14 | 4°R53 | 3°33 | 2°36 | 14°37 | W22 |
| T 23 | 18 36 26 | 8°53'40 | 11♏35 | 19°42 | 22°50 | 16°12 | 25°45 | 5°12 | 4°44 | 16°21 | 26°15 | 4°53 | 3°30 | 2°42 | 14°38 | T 23 |
| F 24 | 18 40 23 | 9°50'50 | 24° 8 | 21°14 | 22°21 | 16°52 | 25°42 | 5°17 | 4°43 | 16°23 | 26°16 | 4°52 | 3°27 | 2°49 | 14°39 | F 24 |
| S 25 | 18 44 19 | 10°48'01 | 6♐30 | 22°50 | 21°50 | 17°32 | 25°38 | 5°22 | 4°43 | 16°24 | 26°17 | 4°48 | 3°24 | 2°56 | 14°40 | S 25 |
| S 26 | 18 48 16 | 11°45'11 | 18°42 | 24°30 | 21°18 | 18°11 | 25°35 | 5°28 | 4°42 | 16°26 | 26°18 | 4°41 | 3°20 | 3° 3 | 14°41 | S 26 |
| M27 | 18 52 13 | 12°42'22 | 0♑47 | 26°14 | 20°44 | 18°51 | 25°31 | 5°33 | 4°42 | 16°27 | 26°19 | 4°32 | 3°17 | 3° 9 | 14°42 | M27 |
| T 28 | 18 56 9 | 13°39'34 | 12°47 | 28° 1 | 20° 9 | 19°30 | 25°28 | 5°38 | 4°41 | 16°28 | 26°20 | 4°20 | 3°14 | 3°16 | 14°42 | T 28 |
| W29 | 19 0 6 | 14°36'45 | 24°43 | 29°50 | 19°33 | 20° 9 | 25°25 | 5°44 | 4°41 | 16°30 | 26°21 | 4° 8 | 3°11 | 3°23 | 14°43 | W29 |
| T 30 | 19 4 2 | 15♋33'57 | 6♒36 | 1♋43 | 18♋57 | 20♈48 | 25♏23 | 5♍50 | 4♏41 | 16♉31 | 26♉22 | 3♉55 | 3♉ 8 | 3♒29 | 14♈44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n58 | 27s21 | 4s50 | 16n43 | 4s17 | 22n40 | 1n20 | 1s32 | 2s 8 | 18s52 | 0n53 | 12n 1 | 1n55 | 12s52 | 0n27 | 14n55 | 1s45 | 7n10 | 12s27 | 13n36 | 13n 7 | 25s10 | 7n 3 | 1n36 |
| T 2 | 23 3 | 25 38 | 5 5 | 16 41 | 4 19 | 22 29 | 1 11 | 1 16 | 2 9 | 18 51 | 0 53 | 12 0 | 1 55 | 12 51 | 0 27 | 14 56 | 1 45 | 7 11 | 12 27 | 13 33 | 13 6 | 25 9 | 7 4 | 1 36 |
| F 3 | 23 8 | 22 47 | 5 7 | 16 41 | 4 19 | 22 17 | 1 2 | 1 0 | 2 10 | 18 49 | 0 53 | 11 58 | 1 55 | 12 51 | 0 27 | 14 56 | 1 45 | 7 11 | 12 27 | 13 31 | 13 5 | 25 8 | 7 4 | 1 36 |
| S 4 | 23 12 | 19 0 | 4 56 | 16 43 | 4 18 | 22 5 | 0 53 | 0 43 | 2 10 | 18 48 | 0 52 | 11 57 | 1 55 | 12 50 | 0 27 | 14 57 | 1 45 | 7 11 | 12 27 | 13 29 | 13 4 | 25 6 | 7 5 | 1 36 |
| S 5 | 23 16 | 14 27 | 4 33 | 16 47 | 4 16 | 21 53 | 0 44 | 0 27 | 2 11 | 18 47 | 0 52 | 11 55 | 1 55 | 12 50 | 0 27 | 14 57 | 1 45 | 7 11 | 12 27 | 13 28 | 13 3 | 25 5 | 7 6 | 1 36 |
| M 6 | 23 19 | 9 18 | 3 57 | 16 53 | 4 13 | 21 41 | 0 34 | 0 11 | 2 11 | 18 45 | 0 52 | 11 54 | 1 55 | 12 49 | 0 27 | 14 58 | 1 45 | 7 11 | 12 27 | 13 27 | 13 2 | 25 3 | 7 7 | 1 36 |
| T 7 | 23 22 | 3 42 | 3 9 | 17 0 | 4 9 | 21 29 | 0 23 | 0n 5 | 2 12 | 18 44 | 0 52 | 11 52 | 1 55 | 12 49 | 0 27 | 14 58 | 1 45 | 7 12 | 12 27 | 13 27 | 13 1 | 25 2 | 7 7 | 1 36 |
| W 8 | 23 25 | 2n 9 | 2 11 | 17 10 | 4 3 | 21 17 | 0 12 | 0 21 | 2 12 | 18 43 | 0 52 | 11 50 | 1 54 | 12 48 | 0 27 | 14 59 | 1 45 | 7 12 | 12 27 | 13 28 | 13 0 | 25 0 | 7 8 | 1 36 |
| T 9 | 23 27 | 8 7 | 1 6 | 17 21 | 3 57 | 21 5 | 0 1 | 0 38 | 2 13 | 18 42 | 0 51 | 11 49 | 1 54 | 12 48 | 0 27 | 14 59 | 1 45 | 7 12 | 12 27 | 13 28 | 12 59 | 24 59 | 7 9 | 1 36 |
| F 10 | 23 28 | 13 54 | 0n 6 | 17 34 | 3 50 | 20 54 | 0s10 | 0 54 | 2 13 | 18 41 | 0 51 | 11 47 | 1 54 | 12 48 | 0 27 | 15 0 | 1 45 | 7 12 | 12 27 | 13 28 | 12 58 | 24 57 | 7 9 | 1 36 |
| S 11 | 23 30 | 19 13 | 1 19 | 17 48 | 3 43 | 20 42 | 0 22 | 1 9 | 2 14 | 18 40 | 0 51 | 11 45 | 1 54 | 12 47 | 0 26 | 15 0 | 1 45 | 7 12 | 12 27 | 13 28 | 12 56 | 24 56 | 7 10 | 1 36 |
| S 12 | 23 31 | 23 37 | 2 30 | 18 3 | 3 34 | 20 31 | 0 34 | 1 25 | 2 14 | 18 38 | 0 51 | 11 44 | 1 54 | 12 47 | 0 26 | 15 1 | 1 45 | 7 12 | 12 27 | 13 27 | 12 55 | 24 54 | 7 11 | 1 36 |
| M13 | 23 31 | 26 38 | 3 32 | 18 20 | 3 25 | 20 19 | 0 46 | 1 41 | 2 15 | 18 37 | 0 51 | 11 42 | 1 54 | 12 46 | 0 26 | 15 1 | 1 45 | 7 13 | 12 28 | 13 25 | 12 54 | 24 53 | 7 11 | 1 36 |
| T 14 | 23 31 | 27 48 | 4 22 | 18 37 | 3 15 | 20 8 | 0 59 | 1 57 | 2 15 | 18 36 | 0 50 | 11 40 | 1 54 | 12 46 | 0 26 | 15 2 | 1 45 | 7 13 | 12 28 | 13 23 | 12 53 | 24 51 | 7 12 | 1 36 |
| W15 | 23 31 | 26 56 | 4 53 | 18 56 | 3 5 | 19 57 | 1 12 | 2 13 | 2 16 | 18 35 | 0 50 | 11 38 | 1 54 | 12 46 | 0 26 | 15 2 | 1 45 | 7 13 | 12 28 | 13 20 | 12 52 | 24 50 | 7 12 | 1 36 |
| T 16 | 23 30 | 24 6 | 5 5 | 19 15 | 2 54 | 19 46 | 1 25 | 2 28 | 2 16 | 18 34 | 0 50 | 11 37 | 1 53 | 12 46 | 0 26 | 15 3 | 1 46 | 7 13 | 12 28 | 13 17 | 12 51 | 24 48 | 7 13 | 1 36 |
| F 17 | 23 29 | 19 40 | 4 55 | 19 35 | 2 43 | 19 35 | 1 39 | 2 44 | 2 16 | 18 33 | 0 50 | 11 35 | 1 53 | 12 45 | 0 26 | 15 3 | 1 46 | 7 13 | 12 28 | 13 15 | 12 50 | 24 47 | 7 13 | 1 36 |
| S 18 | 23 27 | 14 9 | 4 26 | 19 55 | 2 31 | 19 24 | 1 53 | 2 59 | 2 17 | 18 33 | 0 50 | 11 33 | 1 53 | 12 45 | 0 26 | 15 4 | 1 46 | 7 13 | 12 28 | 13 13 | 12 49 | 24 45 | 7 14 | 1 36 |
| S 19 | 23 25 | 8 0 | 3 42 | 20 16 | 2 19 | 19 14 | 2 7 | 3 15 | 2 17 | 18 32 | 0 49 | 11 31 | 1 53 | 12 45 | 0 26 | 15 4 | 1 46 | 7 13 | 12 28 | 13 12 | 12 48 | 24 44 | 7 14 | 1 36 |
| M20 | 23 23 | 1 37 | 2 45 | 20 37 | 2 7 | 19 3 | 2 21 | 3 30 | 2 17 | 18 31 | 0 49 | 11 29 | 1 53 | 12 44 | 0 26 | 15 4 | 1 46 | 7 13 | 12 28 | 13 11 | 12 47 | 24 42 | 7 15 | 1 36 |
| T 21 | 23 20 | 4s39 | 1 41 | 20 58 | 1 55 | 18 53 | 2 35 | 3 45 | 2 18 | 18 30 | 0 49 | 11 27 | 1 53 | 12 44 | 0 26 | 15 5 | 1 46 | 7 14 | 12 29 | 13 12 | 12 46 | 24 41 | 7 15 | 1 36 |
| W22 | 23 17 | 10 35 | 0 32 | 21 18 | 1 42 | 18 44 | 2 49 | 4 1 | 2 18 | 18 29 | 0 49 | 11 25 | 1 53 | 12 44 | 0 26 | 15 5 | 1 46 | 7 14 | 12 29 | 13 12 | 12 45 | 24 39 | 7 16 | 1 36 |
| T 23 | 23 13 | 15 55 | 0s36 | 21 38 | 1 29 | 18 34 | 3 3 | 4 16 | 2 19 | 18 29 | 0 49 | 11 23 | 1 53 | 12 44 | 0 26 | 15 6 | 1 46 | 7 14 | 12 29 | 13 12 | 12 43 | 24 37 | 7 16 | 1 36 |
| F 24 | 23 9 | 20 30 | 1 41 | 21 58 | 1 16 | 18 25 | 3 18 | 4 31 | 2 19 | 18 28 | 0 48 | 11 21 | 1 53 | 12 44 | 0 26 | 15 6 | 1 46 | 7 14 | 12 29 | 13 11 | 12 42 | 24 36 | 7 16 | 1 36 |
| S 25 | 23 5 | 24 5 | 2 40 | 22 17 | 1 3 | 18 16 | 3 32 | 4 46 | 2 19 | 18 27 | 0 48 | 11 19 | 1 52 | 12 44 | 0 26 | 15 6 | 1 46 | 7 14 | 12 29 | 13 10 | 12 41 | 24 34 | 7 17 | 1 36 |
| S 26 | 23 0 | 26 32 | 3 30 | 22 34 | 0 50 | 18 7 | 3 46 | 5 0 | 2 19 | 18 27 | 0 48 | 11 17 | 1 52 | 12 43 | 0 26 | 15 7 | 1 46 | 7 14 | 12 29 | 13 8 | 12 40 | 24 33 | 7 17 | 1 36 |
| M27 | 22 55 | 27 42 | 4 11 | 22 51 | 0 37 | 17 58 | 3 59 | 5 15 | 2 20 | 18 26 | 0 48 | 11 15 | 1 52 | 12 43 | 0 26 | 15 7 | 1 46 | 7 14 | 12 29 | 13 4 | 12 39 | 24 31 | 7 17 | 1 36 |
| T 28 | 22 49 | 27 33 | 4 40 | 23 5 | 0 25 | 17 50 | 4 13 | 5 30 | 2 20 | 18 26 | 0 47 | 11 13 | 1 52 | 12 43 | 0 26 | 15 8 | 1 46 | 7 14 | 12 30 | 13 1 | 12 38 | 24 30 | 7 18 | 1 36 |
| W29 | 22 43 | 26 7 | 4 57 | 23 19 | 0 13 | 17 42 | 4 26 | 5 44 | 2 20 | 18 25 | 0 47 | 11 11 | 1 52 | 12 43 | 0 26 | 15 8 | 1 46 | 7 14 | 12 30 | 12 56 | 12 37 | 24 28 | 7 18 | 1 36 |
| T 30 | 22n37 | 23s32 | 5s 1 | 23n30 | 0s 1 | 17n35 | 4s38 | 5n59 | 2s21 | 18s25 | 0n47 | 11n 8 | 1n52 | 12s43 | 0n26 | 15n 8 | 1s46 | 7n14 | 12s30 | 12n52 | 12n36 | 24s26 | 7n18 | 1n36 |

Julian Day Number = 2228906.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'13, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'13, Lahiri = 15°21'13 Julian Calendar 1 June 1390 == Greg. Calendar 9 June 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## JULY 1390 JC

**00:00 UT**

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 7 59 | 16♋31'10 | 18♒28 | 3♋39 | 18°R19 | 21♈27 | 25°R20 | 5♍55 | 4°R40 | 16♉32 | 26♉23 | 3°R44 | 3♉ 5 | 3♒36 | 14♈44 | F 1 |
| S 2 | 19 11 55 | 17°28'23 | 0♓21 | 5°37 | 17♋42 | 22° 6 | 25♏18 | 6° 1 | 4♏40 | 16°34 | 26°24 | 3♉34 | 3° 1 | 3°43 | 14°45 | S 2 |
| S 3 | 19 15 52 | 18°25'36 | 12°18 | 7°37 | 17° 4 | 22°45 | 25°16 | 6° 7 | 4°40 | 16°35 | 26°25 | 3°26 | 2°58 | 3°50 | 14°45 | S 3 |
| M 4 | 19 19 49 | 19°22'51 | 24°22 | 9°39 | 16°27 | 23°23 | 25°14 | 6°13 | 4°40 | 16°36 | 26°26 | 3°21 | 2°55 | 3°56 | 14°45 | M 4 |
| T 5 | 19 23 45 | 20°20'06 | 6♈37 | 11°43 | 15°50 | 24° 1 | 25°12 | 6°19 | 4°D40 | 16°38 | 26°27 | 3°19 | 2°52 | 4° 3 | 14°46 | T 5 |
| W 6 | 19 27 42 | 21°17'22 | 19° 7 | 13°48 | 15°14 | 24°40 | 25°10 | 6°25 | 4°40 | 16°39 | 26°28 | 3°D18 | 2°49 | 4°10 | 14°46 | W 6 |
| T 7 | 19 31 38 | 22°14'39 | 1♉58 | 15°54 | 14°39 | 25°17 | 25° 9 | 6°31 | 4°40 | 16°40 | 26°28 | 3°R18 | 2°46 | 4°17 | 14°46 | T 7 |
| F 8 | 19 35 35 | 23°11'57 | 15°13 | 18° 1 | 14° 5 | 25°55 | 25° 7 | 6°37 | 4°40 | 16°41 | 26°29 | 3°18 | 2°42 | 4°23 | 14°46 | F 8 |
| S 9 | 19 39 31 | 24° 9'16 | 28°56 | 20° 8 | 13°32 | 26°33 | 25° 6 | 6°43 | 4°40 | 16°42 | 26°30 | 3°16 | 2°39 | 4°30 | 14°47 | S 9 |
| S 10 | 19 43 28 | 25° 6'36 | 13♊ 9 | 22°15 | 13° 1 | 27°10 | 25° 5 | 6°49 | 4°40 | 16°43 | 26°31 | 3°12 | 2°36 | 4°37 | 14°47 | S 10 |
| M11 | 19 47 24 | 26° 3'58 | 27°49 | 24°21 | 12°31 | 27°47 | 25° 5 | 6°55 | 4°41 | 16°44 | 26°32 | 3° 5 | 2°33 | 4°43 | 14°R47 | M11 |
| T 12 | 19 51 21 | 27° 1'20 | 12♋51 | 26°27 | 12° 3 | 28°24 | 25° 4 | 7° 2 | 4°41 | 16°45 | 26°32 | 2°56 | 2°30 | 4°50 | 14°47 | T 12 |
| W13 | 19 55 18 | 27°58'43 | 28° 7 | 28°33 | 11°37 | 29° 1 | 25° 4 | 7° 8 | 4°41 | 16°46 | 26°33 | 2°46 | 2°26 | 4°57 | 14°46 | W13 |
| T 14 | 19 59 14 | 28°56'07 | 13♌26 | 0♌38 | 11°13 | 29°38 | 25° 3 | 7°14 | 4°42 | 16°47 | 26°34 | 2°35 | 2°23 | 5° 4 | 14°46 | T 14 |
| F 15 | 20 3 11 | 29°53'31 | 28°36 | 2°41 | 10°51 | 0♉14 | 25°D 3 | 7°21 | 4°42 | 16°48 | 26°35 | 2°25 | 2°20 | 5°10 | 14°46 | F 15 |
| S 16 | 20 7 7 | 0♌50'56 | 13♍27 | 4°44 | 10°32 | 0°50 | 25° 4 | 7°27 | 4°43 | 16°49 | 26°35 | 2°17 | 2°17 | 5°17 | 14°46 | S 16 |
| S 17 | 20 11 4 | 1°48'22 | 27°53 | 6°45 | 10°15 | 1°26 | 25° 4 | 7°34 | 4°43 | 16°50 | 26°36 | 2°12 | 2°14 | 5°24 | 14°46 | S 17 |
| M18 | 20 15 0 | 2°45'49 | 11♎51 | 8°45 | 10° 0 | 2° 2 | 25° 4 | 7°40 | 4°44 | 16°51 | 26°37 | 2°10 | 2°11 | 5°30 | 14°45 | M18 |
| T 19 | 20 18 57 | 3°43'16 | 25°21 | 10°44 | 9°47 | 2°37 | 25° 5 | 7°47 | 4°45 | 16°52 | 26°37 | 2° 9 | 2° 7 | 5°37 | 14°45 | T 19 |
| W20 | 20 22 53 | 4°40'44 | 8♏26 | 12°41 | 9°37 | 3°13 | 25° 6 | 7°54 | 4°46 | 16°52 | 26°38 | 2° 9 | 2° 4 | 5°44 | 14°44 | W20 |
| T 21 | 20 26 50 | 5°38'13 | 21° 9 | 14°36 | 9°29 | 3°48 | 25° 7 | 8° 0 | 4°46 | 16°53 | 26°38 | 2° 9 | 2° 1 | 5°51 | 14°44 | T 21 |
| F 22 | 20 30 47 | 6°35'43 | 3♐35 | 16°30 | 9°23 | 4°22 | 25° 9 | 8° 7 | 4°47 | 16°54 | 26°39 | 2° 6 | 1°58 | 5°57 | 14°43 | F 22 |
| S 23 | 20 34 43 | 7°33'14 | 15°48 | 18°23 | 9°20 | 4°57 | 25°10 | 8°14 | 4°48 | 16°55 | 26°40 | 2° 2 | 1°55 | 6° 4 | 14°42 | S 23 |
| S 24 | 20 38 40 | 8°30'45 | 27°52 | 20°14 | 9°D20 | 5°31 | 25°12 | 8°21 | 4°49 | 16°55 | 26°40 | 1°55 | 1°52 | 6°11 | 14°42 | S 24 |
| M25 | 20 42 36 | 9°28'18 | 9♑50 | 22° 3 | 9°21 | 6° 5 | 25°13 | 8°28 | 4°50 | 16°56 | 26°41 | 1°45 | 1°48 | 6°18 | 14°41 | M25 |
| T 26 | 20 46 33 | 10°25'51 | 21°45 | 23°52 | 9°25 | 6°39 | 25°15 | 8°35 | 4°51 | 16°56 | 26°41 | 1°32 | 1°45 | 6°24 | 14°40 | T 26 |
| W27 | 20 50 29 | 11°23'26 | 3♒38 | 25°38 | 9°31 | 7°13 | 25°18 | 8°41 | 4°52 | 16°57 | 26°42 | 1°19 | 1°42 | 6°31 | 14°39 | W27 |
| T 28 | 20 54 26 | 12°21'02 | 15°30 | 27°23 | 9°39 | 7°46 | 25°20 | 8°48 | 4°53 | 16°57 | 26°42 | 1° 5 | 1°39 | 6°38 | 14°38 | T 28 |
| F 29 | 20 58 22 | 13°18'39 | 27°25 | 29° 7 | 9°50 | 8°19 | 25°23 | 8°55 | 4°54 | 16°58 | 26°42 | 0°53 | 1°36 | 6°44 | 14°37 | F 29 |
| S 30 | 21 2 19 | 14°16'18 | 9♓22 | 0♍49 | 10° 2 | 8°51 | 25°25 | 9° 2 | 4°56 | 16°58 | 26°43 | 0°42 | 1°32 | 6°51 | 14°36 | S 30 |
| S 31 | 21 6 16 | 15♌13'58 | 21♓23 | 2♍29 | 10♋17 | 9♉24 | 25♏28 | 9♍ 9 | 4♏57 | 16♉59 | 26♉43 | 0♉34 | 1♉29 | 6♒58 | 14♈35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n30 | 19s57 | 4s51 | 23n39 | 0n11 | 17n28 | 4s51 | 6n13 | 2s21 | 18s24 | 0n47 | 11n 6 | 1n52 | 12s43 | 0n26 | 15n 9 | 1s46 | 7n14 | 12s30 | 12n48 | 12n35 | 24s25 | 7n18 | 1n36 | F 1 |
| S 2 | 22 22 | 15 35 | 4 29 | 23 46 | 0 22 | 17 21 | 5 2 | 6 27 | 2 21 | 18 24 | 0 46 | 11 4 | 1 52 | 12 43 | 0 26 | 15 9 | 1 46 | 7 14 | 12 30 | 12 45 | 12 34 | 24 23 | 7 19 | 1 36 | S 2 |
| S 3 | 22 15 | 10 35 | 3 55 | 23 51 | 0 33 | 17 14 | 5 14 | 6 41 | 2 21 | 18 24 | 0 46 | 11 2 | 1 52 | 12 43 | 0 26 | 15 9 | 1 46 | 7 14 | 12 30 | 12 42 | 12 33 | 24 21 | 7 19 | 1 36 | S 3 |
| M 4 | 22 7 | 5 10 | 3 10 | 23 53 | 0 43 | 17 8 | 5 24 | 6 55 | 2 21 | 18 24 | 0 46 | 10 59 | 1 52 | 12 43 | 0 26 | 15 9 | 1 46 | 7 14 | 12 31 | 12 41 | 12 32 | 24 20 | 7 19 | 1 36 | M 4 |
| T 5 | 21 59 | 0n33 | 2 16 | 23 52 | 0 52 | 17 3 | 5 34 | 7 9 | 2 22 | 18 23 | 0 46 | 10 57 | 1 52 | 12 43 | 0 26 | 15 10 | 1 46 | 7 14 | 12 31 | 12 40 | 12 30 | 24 18 | 7 19 | 1 36 | T 5 |
| W 6 | 21 50 | 6 22 | 1 14 | 23 49 | 1 1 | 16 58 | 5 43 | 7 23 | 2 22 | 18 23 | 0 46 | 10 55 | 1 52 | 12 43 | 0 26 | 15 10 | 1 46 | 7 14 | 12 31 | 12 39 | 12 29 | 24 16 | 7 19 | 1 36 | W 6 |
| T 7 | 21 41 | 12 5 | 0 7 | 23 43 | 1 9 | 16 53 | 5 52 | 7 37 | 2 22 | 18 23 | 0 45 | 10 53 | 1 51 | 12 43 | 0 26 | 15 10 | 1 47 | 7 14 | 12 31 | 12 39 | 12 28 | 24 15 | 7 19 | 1 36 | T 7 |
| F 8 | 21 31 | 17 27 | 1n 3 | 23 34 | 1 16 | 16 48 | 6 0 | 7 50 | 2 22 | 18 23 | 0 45 | 10 50 | 1 51 | 12 43 | 0 26 | 15 11 | 1 47 | 7 14 | 12 31 | 12 39 | 12 27 | 24 13 | 7 19 | 1 36 | F 8 |
| S 9 | 21 21 | 22 7 | 2 11 | 23 22 | 1 23 | 16 44 | 6 7 | 8 4 | 2 22 | 18 23 | 0 45 | 10 48 | 1 51 | 12 43 | 0 26 | 15 11 | 1 47 | 7 14 | 12 31 | 12 39 | 12 26 | 24 11 | 7 19 | 1 36 | S 9 |
| S 10 | 21 11 | 25 39 | 3 14 | 23 8 | 1 29 | 16 41 | 6 14 | 8 17 | 2 22 | 18 23 | 0 45 | 10 46 | 1 51 | 12 43 | 0 26 | 15 11 | 1 47 | 7 14 | 12 32 | 12 37 | 12 25 | 24 10 | 7 19 | 1 37 | S 10 |
| M11 | 21 0 | 27 36 | 4 6 | 22 51 | 1 33 | 16 38 | 6 19 | 8 30 | 2 22 | 18 23 | 0 44 | 10 43 | 1 51 | 12 43 | 0 26 | 15 11 | 1 47 | 7 14 | 12 32 | 12 35 | 12 24 | 24 8 | 7 19 | 1 37 | M11 |
| T 12 | 20 49 | 27 35 | 4 42 | 22 32 | 1 38 | 16 35 | 6 24 | 8 44 | 2 22 | 18 23 | 0 44 | 10 41 | 1 51 | 12 44 | 0 26 | 15 12 | 1 47 | 7 14 | 12 32 | 12 32 | 12 23 | 24 6 | 7 19 | 1 37 | T 12 |
| W13 | 20 38 | 25 29 | 4 59 | 22 10 | 1 41 | 16 33 | 6 29 | 8 57 | 2 22 | 18 23 | 0 44 | 10 38 | 1 51 | 12 44 | 0 26 | 15 12 | 1 47 | 7 14 | 12 32 | 12 28 | 12 22 | 24 5 | 7 19 | 1 37 | W13 |
| T 14 | 20 27 | 21 33 | 4 55 | 21 46 | 1 44 | 16 32 | 6 32 | 9 9 | 2 23 | 18 23 | 0 44 | 10 36 | 1 51 | 12 44 | 0 25 | 15 12 | 1 47 | 7 14 | 12 32 | 12 25 | 12 21 | 24 3 | 7 19 | 1 37 | T 14 |
| F 15 | 20 15 | 16 13 | 4 30 | 21 20 | 1 45 | 16 30 | 6 35 | 9 22 | 2 23 | 18 24 | 0 43 | 10 33 | 1 51 | 12 44 | 0 25 | 15 12 | 1 47 | 7 14 | 12 33 | 12 21 | 12 20 | 24 1 | 7 19 | 1 37 | F 15 |
| S 16 | 20 2 | 10 1 | 3 47 | 20 52 | 1 47 | 16 30 | 6 38 | 9 35 | 2 23 | 18 24 | 0 43 | 10 31 | 1 51 | 12 44 | 0 25 | 15 12 | 1 47 | 7 14 | 12 33 | 12 19 | 12 18 | 23 59 | 7 19 | 1 37 | S 16 |
| S 17 | 19 50 | 3 27 | 2 50 | 20 22 | 1 47 | 16 29 | 6 39 | 9 47 | 2 23 | 18 24 | 0 43 | 10 28 | 1 51 | 12 44 | 0 25 | 15 13 | 1 47 | 7 14 | 12 33 | 12 17 | 12 17 | 23 58 | 7 19 | 1 37 | S 17 |
| M18 | 19 37 | 3s 5 | 1 45 | 19 51 | 1 47 | 16 29 | 6 41 | 9 59 | 2 23 | 18 25 | 0 43 | 10 26 | 1 51 | 12 45 | 0 25 | 15 13 | 1 47 | 7 14 | 12 33 | 12 16 | 12 16 | 23 56 | 7 19 | 1 37 | M18 |
| T 19 | 19 23 | 9 17 | 0 36 | 19 18 | 1 46 | 16 29 | 6 41 | 10 12 | 2 23 | 18 25 | 0 42 | 10 23 | 1 51 | 12 45 | 0 25 | 15 13 | 1 47 | 7 14 | 12 33 | 12 16 | 12 15 | 23 54 | 7 19 | 1 37 | T 19 |
| W20 | 19 10 | 14 53 | 0s33 | 18 44 | 1 45 | 16 30 | 6 41 | 10 24 | 2 22 | 18 25 | 0 42 | 10 21 | 1 51 | 12 45 | 0 25 | 15 13 | 1 47 | 7 14 | 12 34 | 12 16 | 12 14 | 23 52 | 7 19 | 1 37 | W20 |
| T 21 | 18 56 | 19 41 | 1 39 | 18 8 | 1 43 | 16 31 | 6 40 | 10 35 | 2 22 | 18 26 | 0 42 | 10 18 | 1 51 | 12 46 | 0 25 | 15 13 | 1 47 | 7 14 | 12 34 | 12 15 | 12 13 | 23 51 | 7 18 | 1 37 | T 21 |
| F 22 | 18 41 | 23 31 | 2 38 | 17 32 | 1 40 | 16 33 | 6 39 | 10 47 | 2 22 | 18 26 | 0 42 | 10 16 | 1 51 | 12 46 | 0 25 | 15 14 | 1 47 | 7 14 | 12 34 | 12 15 | 12 12 | 23 49 | 7 18 | 1 37 | F 22 |
| S 23 | 18 27 | 26 13 | 3 29 | 16 54 | 1 37 | 16 35 | 6 38 | 10 59 | 2 22 | 18 27 | 0 42 | 10 13 | 1 51 | 12 46 | 0 25 | 15 14 | 1 47 | 7 14 | 12 34 | 12 13 | 12 11 | 23 47 | 7 18 | 1 37 | S 23 |
| S 24 | 18 12 | 27 39 | 4 9 | 16 16 | 1 33 | 16 37 | 6 36 | 11 10 | 2 22 | 18 28 | 0 41 | 10 10 | 1 51 | 12 47 | 0 25 | 15 14 | 1 47 | 7 14 | 12 34 | 12 11 | 12 10 | 23 45 | 7 18 | 1 37 | S 24 |
| M25 | 17 57 | 27 47 | 4 39 | 15 37 | 1 29 | 16 39 | 6 34 | 11 22 | 2 22 | 18 28 | 0 41 | 10 8 | 1 50 | 12 47 | 0 25 | 15 14 | 1 48 | 7 14 | 12 35 | 12 7 | 12 9 | 23 44 | 7 17 | 1 37 | M25 |
| T 26 | 17 41 | 26 37 | 4 55 | 14 57 | 1 25 | 16 41 | 6 31 | 11 33 | 2 22 | 18 29 | 0 41 | 10 5 | 1 50 | 12 47 | 0 25 | 15 14 | 1 48 | 7 13 | 12 35 | 12 3 | 12 7 | 23 42 | 7 17 | 1 37 | T 26 |
| W27 | 17 25 | 24 15 | 4 59 | 14 16 | 1 20 | 16 44 | 6 28 | 11 44 | 2 22 | 18 30 | 0 41 | 10 3 | 1 50 | 12 48 | 0 25 | 15 14 | 1 48 | 7 13 | 12 35 | 11 58 | 12 6 | 23 40 | 7 17 | 1 37 | W27 |
| T 28 | 17 9 | 20 52 | 4 50 | 13 35 | 1 15 | 16 47 | 6 24 | 11 55 | 2 22 | 18 31 | 0 40 | 10 0 | 1 50 | 12 48 | 0 25 | 15 14 | 1 48 | 7 13 | 12 35 | 11 54 | 12 5 | 23 38 | 7 16 | 1 37 | T 28 |
| F 29 | 16 53 | 16 37 | 4 29 | 12 54 | 1 9 | 16 50 | 6 20 | 12 6 | 2 21 | 18 31 | 0 40 | 9 57 | 1 50 | 12 49 | 0 25 | 15 14 | 1 48 | 7 13 | 12 36 | 11 49 | 12 4 | 23 36 | 7 16 | 1 37 | F 29 |
| S 30 | 16 36 | 11 43 | 3 55 | 12 12 | 1 3 | 16 53 | 6 16 | 12 16 | 2 21 | 18 32 | 0 40 | 9 55 | 1 50 | 12 49 | 0 25 | 15 14 | 1 48 | 7 13 | 12 36 | 11 45 | 12 3 | 23 34 | 7 16 | 1 37 | S 30 |
| S 31 | 16n19 | 6s21 | 3s11 | 11n31 | 0n57 | 16n56 | 6s12 | 12n27 | 2s21 | 18s33 | 0n40 | 9n52 | 1n50 | 12s49 | 0n25 | 15n14 | 1s48 | 7n13 | 12s36 | 11n42 | 12n 2 | 23s33 | 7n15 | 1n37 | S 31 |

Julian Day Number = 2228936.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'17, Lahiri = 15°21'18 Julian Calendar 1 July 1390 == Greg. Calendar 9 July 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## AUGUST 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 10 12 | 16♌11'39 | 3♈32 | 4♍ 8 | 10♋33 | 9♉56 | 25♏31 | 9♍17 | 4♏58 | 16♉59 | 26♉44 | 0°R28 | 1♉26 | 7♒ 5 | 14°R34 | M 1 |
| T 2 | 21 14 9 | 17° 9'22 | 15°51 | 5°46 | 10°52 | 10°28 | 25°34 | 9°24 | 5° 0 | 17° 0 | 26°44 | 0♉25 | 1°23 | 7°11 | 14♈33 | T 2 |
| W 3 | 21 18 5 | 18° 7'07 | 28°23 | 7°23 | 11°12 | 10°59 | 25°38 | 9°31 | 5° 1 | 17° 0 | 26°44 | 0°D24 | 1°20 | 7°18 | 14°32 | W 3 |
| T 4 | 21 22 2 | 19° 4'54 | 11♉13 | 8°57 | 11°34 | 11°31 | 25°41 | 9°38 | 5° 3 | 17° 0 | 26°45 | 0°25 | 1°17 | 7°25 | 14°31 | T 4 |
| F 5 | 21 25 58 | 20° 2'42 | 24°24 | 10°31 | 11°58 | 12° 2 | 25°45 | 9°45 | 5° 4 | 17° 0 | 26°45 | 0°R25 | 1°13 | 7°32 | 14°29 | F 5 |
| S 6 | 21 29 55 | 21° 0'32 | 8♊ 0 | 12° 3 | 12°23 | 12°32 | 25°49 | 9°52 | 5° 6 | 17° 1 | 26°45 | 0°24 | 1°10 | 7°38 | 14°28 | S 6 |
| S 7 | 21 33 51 | 21°58'24 | 22° 3 | 13°34 | 12°50 | 13° 2 | 25°53 | 10° 0 | 5° 7 | 17° 1 | 26°46 | 0°20 | 1° 7 | 7°45 | 14°26 | S 7 |
| M 8 | 21 37 48 | 22°56'18 | 6♋33 | 15° 3 | 13°19 | 13°32 | 25°57 | 10° 7 | 5° 9 | 17° 1 | 26°46 | 0°15 | 1° 4 | 7°52 | 14°25 | M 8 |
| T 9 | 21 41 45 | 23°54'13 | 21°26 | 16°31 | 13°49 | 14° 2 | 26° 2 | 10°14 | 5°11 | 17° 1 | 26°46 | 0° 7 | 1° 1 | 7°58 | 14°23 | T 9 |
| W10 | 21 45 41 | 24°52'10 | 6♌35 | 17°57 | 14°21 | 14°31 | 26° 6 | 10°21 | 5°13 | 17° 1 | 26°46 | 29♈58 | 0°58 | 8° 5 | 14°22 | W10 |
| T 11 | 21 49 38 | 25°50'09 | 21°50 | 19°22 | 14°54 | 15° 0 | 26°11 | 10°29 | 5°15 | 17° 1 | 26°46 | 29°48 | 0°54 | 8°12 | 14°20 | T 11 |
| F 12 | 21 53 34 | 26°48'10 | 7♍ 1 | 20°45 | 15°28 | 15°28 | 26°16 | 10°36 | 5°16 | 17°R 1 | 26°47 | 29°40 | 0°51 | 8°19 | 14°19 | F 12 |
| S 13 | 21 57 31 | 27°46'12 | 21°57 | 22° 7 | 16° 3 | 15°56 | 26°21 | 10°43 | 5°18 | 17° 1 | 26°47 | 29°33 | 0°48 | 8°25 | 14°17 | S 13 |
| S 14 | 22 1 27 | 28°44'15 | 6♎30 | 23°27 | 16°40 | 16°24 | 26°26 | 10°51 | 5°20 | 17° 1 | 26°47 | 29°28 | 0°45 | 8°32 | 14°15 | S 14 |
| M15 | 22 5 24 | 29°42'20 | 20°35 | 24°46 | 17°18 | 16°51 | 26°32 | 10°58 | 5°22 | 17° 1 | 26°47 | 29°26 | 0°42 | 8°39 | 14°13 | M15 |
| T 16 | 22 9 20 | 0♍40'27 | 4♏12 | 26° 3 | 17°57 | 17°18 | 26°37 | 11° 6 | 5°24 | 17° 1 | 26°47 | 29°D26 | 0°38 | 8°45 | 14°12 | T 16 |
| W17 | 22 13 17 | 1°38'35 | 17°22 | 27°19 | 18°38 | 17°44 | 26°43 | 11°13 | 5°26 | 17° 1 | 26°47 | 29°27 | 0°35 | 8°52 | 14°10 | W17 |
| T 18 | 22 17 14 | 2°36'44 | 0♐ 8 | 28°32 | 19°19 | 18°10 | 26°49 | 11°20 | 5°29 | 17° 1 | 26°47 | 29°R27 | 0°32 | 8°59 | 14° 8 | T 18 |
| F 19 | 22 21 10 | 3°34'55 | 12°34 | 29°44 | 20° 1 | 18°36 | 26°55 | 11°28 | 5°31 | 17° 1 | 26°R47 | 29°27 | 0°29 | 9° 6 | 14° 6 | F 19 |
| S 20 | 22 25 7 | 4°33'07 | 24°45 | 0♑54 | 20°45 | 19° 1 | 27° 1 | 11°35 | 5°33 | 17° 0 | 26°47 | 29°25 | 0°26 | 9°12 | 14° 4 | S 20 |
| S 21 | 22 29 3 | 5°31'21 | 6♑46 | 2° 2 | 21°29 | 19°26 | 27° 7 | 11°43 | 5°35 | 17° 0 | 26°47 | 29°20 | 0°23 | 9°19 | 14° 2 | S 21 |
| M22 | 22 33 0 | 6°29'37 | 18°41 | 3° 7 | 22°14 | 19°50 | 27°14 | 11°50 | 5°38 | 17° 0 | 26°47 | 29°14 | 0°19 | 9°26 | 14° 0 | M22 |
| T 23 | 22 36 56 | 7°27'54 | 0♒34 | 4°11 | 23° 0 | 20°13 | 27°21 | 11°58 | 5°40 | 16°59 | 26°47 | 29° 6 | 0°16 | 9°33 | 13°58 | T 23 |
| W24 | 22 40 53 | 8°26'13 | 12°26 | 5°12 | 23°47 | 20°37 | 27°27 | 12° 5 | 5°42 | 16°59 | 26°47 | 28°56 | 0°13 | 9°39 | 13°55 | W24 |
| T 25 | 22 44 49 | 9°24'34 | 24°21 | 6°10 | 24°35 | 20°59 | 27°34 | 12°13 | 5°45 | 16°59 | 26°47 | 28°46 | 0°10 | 9°46 | 13°53 | T 25 |
| F 26 | 22 48 46 | 10°22'56 | 6♓20 | 7° 6 | 25°24 | 21°22 | 27°41 | 12°20 | 5°47 | 16°58 | 26°46 | 28°37 | 0° 7 | 9°53 | 13°51 | F 26 |
| S 27 | 22 52 43 | 11°21'20 | 18°25 | 7°59 | 26°13 | 21°43 | 27°48 | 12°28 | 5°50 | 16°58 | 26°46 | 28°30 | 0° 4 | 9°59 | 13°49 | S 27 |
| S 28 | 22 56 39 | 12°19'46 | 0♈37 | 8°49 | 27° 4 | 22° 5 | 27°56 | 12°35 | 5°52 | 16°57 | 26°46 | 28°24 | 0° 0 | 10° 6 | 13°46 | S 28 |
| M29 | 23 0 36 | 13°18'14 | 12°57 | 9°36 | 27°55 | 22°25 | 28° 3 | 12°43 | 5°55 | 16°57 | 26°46 | 28°21 | 29♈57 | 10°13 | 13°44 | M29 |
| T 30 | 23 4 32 | 14°16'44 | 25°27 | 10°19 | 28°46 | 22°45 | 28°11 | 12°50 | 5°58 | 16°56 | 26°46 | 28°D20 | 29°54 | 10°20 | 13°42 | T 30 |
| W31 | 23 8 29 | 15♍15'17 | 8♉10 | 10♑58 | 29♋38 | 23♉ 5 | 28♏18 | 12♍58 | 6♏ 0 | 16♉56 | 26♉45 | 28♈20 | 29♈51 | 10♒26 | 13♈39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n 2 | 0s41 | 2s17 | 10n48 | 0n50 | 17n 0 | 6s 7 | 12n37 | 2s21 | 18s34 | 0n39 | 9n49 | 1n50 | 12s50 | 0n25 | 15n14 | 1s48 | 7n13 | 12s36 | 11n40 | 12n 1 | 23s31 | 7n15 | 1n37 |
| T 2 | 15 45 | 5n 5 | 1 16 | 10 6 | 0 44 | 17 3 | 6 3 | 12 47 | 2 20 | 18 35 | 0 39 | 9 47 | 1 50 | 12 50 | 0 25 | 15 15 | 1 48 | 7 13 | 12 36 | 11 39 | 12 0 | 23 29 | 7 14 | 1 37 |
| W 3 | 15 27 | 10 46 | 0 11 | 9 24 | 0 37 | 17 6 | 5 58 | 12 57 | 2 20 | 18 36 | 0 39 | 9 44 | 1 50 | 12 51 | 0 25 | 15 15 | 1 48 | 7 12 | 12 37 | 11 39 | 11 59 | 23 27 | 7 14 | 1 37 |
| T 4 | 15 9 | 16 9 | 0n57 | 8 41 | 0 29 | 17 10 | 5 52 | 13 7 | 2 20 | 18 37 | 0 39 | 9 41 | 1 50 | 12 51 | 0 25 | 15 15 | 1 48 | 7 12 | 12 37 | 11 39 | 11 57 | 23 25 | 7 13 | 1 37 |
| F 5 | 14 51 | 20 56 | 2 4 | 7 59 | 0 22 | 17 13 | 5 47 | 13 17 | 2 19 | 18 38 | 0 39 | 9 38 | 1 50 | 12 52 | 0 25 | 15 15 | 1 48 | 7 12 | 12 37 | 11 39 | 11 56 | 23 23 | 7 13 | 1 37 |
| S 6 | 14 33 | 24 46 | 3 6 | 7 17 | 0 14 | 17 16 | 5 41 | 13 27 | 2 19 | 18 39 | 0 38 | 9 36 | 1 50 | 12 53 | 0 25 | 15 15 | 1 48 | 7 12 | 12 37 | 11 39 | 11 55 | 23 22 | 7 12 | 1 37 |
| S 7 | 14 14 | 27 15 | 3 58 | 6 35 | 0 6 | 17 20 | 5 36 | 13 36 | 2 19 | 18 41 | 0 38 | 9 33 | 1 50 | 12 53 | 0 25 | 15 15 | 1 48 | 7 12 | 12 38 | 11 38 | 11 54 | 23 20 | 7 12 | 1 37 |
| M 8 | 13 55 | 27 59 | 4 38 | 5 53 | 0s 2 | 17 23 | 5 30 | 13 45 | 2 18 | 18 42 | 0 38 | 9 30 | 1 50 | 12 54 | 0 25 | 15 15 | 1 48 | 7 12 | 12 38 | 11 36 | 11 53 | 23 18 | 7 11 | 1 37 |
| T 9 | 13 36 | 26 44 | 4 59 | 5 11 | 0 10 | 17 26 | 5 24 | 13 55 | 2 18 | 18 43 | 0 38 | 9 27 | 1 50 | 12 54 | 0 25 | 15 15 | 1 48 | 7 11 | 12 38 | 11 33 | 11 52 | 23 16 | 7 11 | 1 37 |
| W10 | 13 17 | 23 32 | 5 1 | 4 30 | 0 19 | 17 29 | 5 18 | 14 4 | 2 17 | 18 44 | 0 38 | 9 25 | 1 50 | 12 55 | 0 25 | 15 15 | 1 48 | 7 11 | 12 38 | 11 30 | 11 51 | 23 14 | 7 10 | 1 37 |
| T 11 | 12 57 | 18 42 | 4 41 | 3 48 | 0 27 | 17 31 | 5 12 | 14 12 | 2 17 | 18 46 | 0 37 | 9 22 | 1 50 | 12 56 | 0 25 | 15 15 | 1 49 | 7 11 | 12 39 | 11 27 | 11 50 | 23 12 | 7 9 | 1 37 |
| F 12 | 12 37 | 12 42 | 4 1 | 3 8 | 0 36 | 17 34 | 5 6 | 14 21 | 2 17 | 18 47 | 0 37 | 9 19 | 1 50 | 12 56 | 0 25 | 15 14 | 1 49 | 7 11 | 12 39 | 11 23 | 11 49 | 23 10 | 7 9 | 1 37 |
| S 13 | 12 17 | 6 3 | 3 6 | 2 27 | 0 44 | 17 36 | 4 59 | 14 30 | 2 16 | 18 48 | 0 37 | 9 16 | 1 50 | 12 57 | 0 25 | 15 14 | 1 49 | 7 11 | 12 39 | 11 21 | 11 47 | 23 8 | 7 8 | 1 37 |
| S 14 | 11 57 | 0s46 | 1 59 | 1 47 | 0 53 | 17 38 | 4 53 | 14 38 | 2 16 | 18 50 | 0 37 | 9 13 | 1 50 | 12 58 | 0 25 | 15 14 | 1 49 | 7 10 | 12 39 | 11 19 | 11 46 | 23 6 | 7 7 | 1 37 |
| M15 | 11 37 | 7 20 | 0 47 | 1 8 | 1 2 | 17 40 | 4 46 | 14 46 | 2 15 | 18 51 | 0 36 | 9 11 | 1 50 | 12 58 | 0 25 | 15 14 | 1 49 | 7 10 | 12 39 | 11 19 | 11 45 | 23 4 | 7 7 | 1 37 |
| T 16 | 11 16 | 13 22 | 0s25 | 0 29 | 1 11 | 17 41 | 4 40 | 14 54 | 2 14 | 18 53 | 0 36 | 9 8 | 1 50 | 12 59 | 0 24 | 15 14 | 1 49 | 7 10 | 12 40 | 11 19 | 11 44 | 23 2 | 7 6 | 1 37 |
| W17 | 10 56 | 18 35 | 1 34 | 0s 9 | 1 20 | 17 42 | 4 33 | 15 2 | 2 14 | 18 54 | 0 36 | 9 5 | 1 50 | 13 0 | 0 24 | 15 14 | 1 49 | 7 10 | 12 40 | 11 19 | 11 43 | 23 1 | 7 5 | 1 37 |
| T 18 | 10 35 | 22 48 | 2 37 | 0 46 | 1 29 | 17 43 | 4 27 | 15 10 | 2 13 | 18 56 | 0 36 | 9 2 | 1 50 | 13 0 | 0 24 | 15 14 | 1 49 | 7 10 | 12 40 | 11 19 | 11 42 | 22 59 | 7 4 | 1 37 |
| F 19 | 10 14 | 25 51 | 3 30 | 1 23 | 1 38 | 17 44 | 4 20 | 15 18 | 2 13 | 18 57 | 0 36 | 8 59 | 1 50 | 13 1 | 0 24 | 15 14 | 1 49 | 7 9 | 12 40 | 11 19 | 11 41 | 22 57 | 7 4 | 1 37 |
| S 20 | 9 52 | 27 37 | 4 12 | 1 59 | 1 47 | 17 44 | 4 14 | 15 25 | 2 12 | 18 59 | 0 35 | 8 56 | 1 50 | 13 2 | 0 24 | 15 14 | 1 49 | 7 9 | 12 41 | 11 18 | 11 40 | 22 55 | 7 3 | 1 37 |
| S 21 | 9 31 | 28 3 | 4 43 | 2 34 | 1 56 | 17 44 | 4 7 | 15 32 | 2 11 | 19 1 | 0 35 | 8 54 | 1 50 | 13 3 | 0 24 | 15 14 | 1 49 | 7 9 | 12 41 | 11 17 | 11 39 | 22 53 | 7 2 | 1 37 |
| M22 | 9 10 | 27 10 | 5 1 | 3 9 | 2 4 | 17 44 | 4 0 | 15 40 | 2 11 | 19 2 | 0 35 | 8 51 | 1 50 | 13 4 | 0 24 | 15 13 | 1 49 | 7 9 | 12 41 | 11 14 | 11 37 | 22 51 | 7 1 | 1 37 |
| T 23 | 8 48 | 25 4 | 5 6 | 3 42 | 2 13 | 17 43 | 3 53 | 15 47 | 2 10 | 19 4 | 0 35 | 8 48 | 1 51 | 13 4 | 0 24 | 15 13 | 1 49 | 7 8 | 12 41 | 11 11 | 11 36 | 22 49 | 7 0 | 1 37 |
| W24 | 8 26 | 21 53 | 4 57 | 4 14 | 2 22 | 17 42 | 3 47 | 15 53 | 2 9 | 19 6 | 0 35 | 8 45 | 1 51 | 13 5 | 0 24 | 15 13 | 1 49 | 7 8 | 12 42 | 11 8 | 11 35 | 22 47 | 7 0 | 1 37 |
| T 25 | 8 4 | 17 47 | 4 36 | 4 45 | 2 30 | 17 40 | 3 40 | 16 0 | 2 8 | 19 8 | 0 34 | 8 42 | 1 51 | 13 6 | 0 24 | 15 13 | 1 49 | 7 8 | 12 42 | 11 5 | 11 34 | 22 45 | 6 59 | 1 37 |
| F 26 | 7 42 | 12 58 | 4 3 | 5 15 | 2 38 | 17 38 | 3 33 | 16 7 | 2 7 | 19 9 | 0 34 | 8 39 | 1 51 | 13 7 | 0 24 | 15 13 | 1 49 | 7 8 | 12 42 | 11 1 | 11 33 | 22 43 | 6 58 | 1 37 |
| S 27 | 7 20 | 7 38 | 3 18 | 5 44 | 2 46 | 17 36 | 3 27 | 16 13 | 2 7 | 19 11 | 0 34 | 8 37 | 1 51 | 13 8 | 0 24 | 15 13 | 1 49 | 7 7 | 12 42 | 10 59 | 11 32 | 22 41 | 6 57 | 1 36 |
| S 28 | 6 57 | 1 57 | 2 24 | 6 11 | 2 54 | 17 33 | 3 20 | 16 20 | 2 6 | 19 13 | 0 34 | 8 34 | 1 51 | 13 9 | 0 24 | 15 12 | 1 49 | 7 7 | 12 42 | 10 57 | 11 31 | 22 39 | 6 56 | 1 36 |
| M29 | 6 35 | 3n52 | 1 22 | 6 36 | 3 2 | 17 30 | 3 13 | 16 26 | 2 5 | 19 15 | 0 34 | 8 31 | 1 51 | 13 10 | 0 24 | 15 12 | 1 50 | 7 7 | 12 43 | 10 55 | 11 30 | 22 37 | 6 55 | 1 36 |
| T 30 | 6 12 | 9 38 | 0 16 | 7 0 | 3 9 | 17 26 | 3 6 | 16 32 | 2 4 | 19 17 | 0 33 | 8 28 | 1 51 | 13 10 | 0 24 | 15 12 | 1 50 | 7 7 | 12 43 | 10 55 | 11 28 | 22 35 | 6 54 | 1 36 |
| W31 | 5n50 | 15n 7 | 0n53 | 7s21 | 3s16 | 17n22 | 3s 0 | 16n38 | 2s 3 | 19s19 | 0n33 | 8n25 | 1n51 | 13s11 | 0n24 | 15n12 | 1s50 | 7n 6 | 12s43 | 10n55 | 11n27 | 22s33 | 6n53 | 1n36 |

Julian Day Number = 2228967.5, Delta T = 08m08s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'21, Lahiri = 15°21'22 Julian Calendar 1 Aug. 1390 == Greg. Calendar 9 Aug. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## SEPTEMBER 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 12 25 | 16♍13'51 | 21♉ 7 | 11♎33 | 0♌31 | 23♉24 | 28♏26 | 13♍ 5 | 6♏ 3 | 16°R55 | 26°R45 | 28♈21 | 29♈48 | 10♒33 | 13°R37 | T 1 |
| F 2 | 23 16 22 | 17°12'28 | 4♊21 | 12° 4 | 1°25 | 23°42 | 28°34 | 13°13 | 6° 6 | 16♉54 | 26♉45 | 28°23 | 29°44 | 10°40 | 13♈34 | F 2 |
| S 3 | 23 20 18 | 18°11'07 | 17°55 | 12°29 | 2°19 | 24° 0 | 28°42 | 13°20 | 6° 8 | 16°54 | 26°45 | 28°R23 | 29°41 | 10°46 | 13°32 | S 3 |
| S 4 | 23 24 15 | 19° 9'49 | 1♋50 | 12°50 | 3°14 | 24°17 | 28°51 | 13°28 | 6°11 | 16°53 | 26°44 | 28°23 | 29°38 | 10°53 | 13°29 | S 4 |
| M 5 | 23 28 12 | 20° 8'33 | 16° 5 | 13° 5 | 4°10 | 24°34 | 28°59 | 13°35 | 6°14 | 16°52 | 26°44 | 28°20 | 29°35 | 11° 0 | 13°27 | M 5 |
| T 6 | 23 32 8 | 21° 7'19 | 0♌40 | 13°15 | 5° 5 | 24°50 | 29° 7 | 13°42 | 6°17 | 16°51 | 26°44 | 28°16 | 29°32 | 11° 7 | 13°24 | T 6 |
| W 7 | 23 36 5 | 22° 6'07 | 15°29 | 13°R18 | 6° 2 | 25° 5 | 29°16 | 13°50 | 6°20 | 16°51 | 26°43 | 28°12 | 29°29 | 11°13 | 13°22 | W 7 |
| T 8 | 23 40 1 | 23° 4'57 | 0♍26 | 13°14 | 6°59 | 25°20 | 29°25 | 13°57 | 6°23 | 16°50 | 26°43 | 28° 6 | 29°25 | 11°20 | 13°19 | T 8 |
| F 9 | 23 43 58 | 24° 3'50 | 15°22 | 13° 3 | 7°57 | 25°34 | 29°34 | 14° 5 | 6°26 | 16°49 | 26°42 | 28° 1 | 29°22 | 11°27 | 13°16 | F 9 |
| S 10 | 23 47 54 | 25° 2'45 | 0♎ 7 | 12°45 | 8°54 | 25°47 | 29°43 | 14°12 | 6°29 | 16°48 | 26°42 | 27°58 | 29°19 | 11°34 | 13°14 | S 10 |
| S 11 | 23 51 51 | 26° 1'41 | 14°36 | 12°20 | 9°53 | 25°59 | 29°52 | 14°20 | 6°32 | 16°47 | 26°41 | 27°55 | 29°16 | 11°40 | 13°11 | S 11 |
| M12 | 23 55 47 | 27° 0'40 | 28°41 | 11°47 | 10°52 | 26°11 | 0♐ 1 | 14°27 | 6°35 | 16°46 | 26°41 | 27°D55 | 29°13 | 11°47 | 13° 8 | M12 |
| T 13 | 23 59 44 | 27°59'40 | 12♏22 | 11° 7 | 11°51 | 26°22 | 0°10 | 14°34 | 6°38 | 16°45 | 26°40 | 27°55 | 29° 9 | 11°54 | 13° 6 | T 13 |
| W14 | 0 3 40 | 28°58'43 | 25°36 | 10°19 | 12°51 | 26°32 | 0°20 | 14°42 | 6°41 | 16°44 | 26°40 | 27°57 | 29° 6 | 12° 0 | 13° 3 | W14 |
| T 15 | 0 7 37 | 29°57'47 | 8♐26 | 9°25 | 13°51 | 26°42 | 0°29 | 14°49 | 6°44 | 16°43 | 26°39 | 27°59 | 29° 3 | 12° 7 | 13° 0 | T 15 |
| F 16 | 0 11 34 | 0♎56'53 | 20°56 | 8°25 | 14°52 | 26°51 | 0°39 | 14°56 | 6°47 | 16°42 | 26°39 | 28° 0 | 29° 0 | 12°14 | 12°57 | F 16 |
| S 17 | 0 15 30 | 1°56'01 | 3♑10 | 7°20 | 15°53 | 26°59 | 0°49 | 15° 4 | 6°51 | 16°41 | 26°38 | 28°R 0 | 28°57 | 12°21 | 12°55 | S 17 |
| S 18 | 0 19 27 | 2°55'11 | 15°12 | 6°12 | 16°54 | 27° 6 | 0°59 | 15°11 | 6°54 | 16°40 | 26°38 | 27°59 | 28°54 | 12°27 | 12°52 | S 18 |
| M19 | 0 23 23 | 3°54'22 | 27° 7 | 5° 2 | 17°56 | 27°12 | 1° 9 | 15°18 | 6°57 | 16°39 | 26°37 | 27°58 | 28°50 | 12°34 | 12°49 | M19 |
| T 20 | 0 27 20 | 4°53'36 | 8♒59 | 3°52 | 18°58 | 27°18 | 1°19 | 15°25 | 7° 0 | 16°38 | 26°36 | 27°55 | 28°47 | 12°41 | 12°46 | T 20 |
| W21 | 0 31 16 | 5°52'51 | 20°53 | 2°44 | 20° 0 | 27°23 | 1°29 | 15°33 | 7° 4 | 16°37 | 26°36 | 27°51 | 28°44 | 12°47 | 12°43 | W21 |
| T 22 | 0 35 13 | 6°52'08 | 2♓51 | 1°40 | 21° 3 | 27°27 | 1°39 | 15°40 | 7° 7 | 16°35 | 26°35 | 27°48 | 28°41 | 12°54 | 12°41 | T 22 |
| F 23 | 0 39 9 | 7°51'27 | 14°56 | 0°41 | 22° 6 | 27°30 | 1°49 | 15°47 | 7°11 | 16°34 | 26°34 | 27°44 | 28°38 | 13° 1 | 12°38 | F 23 |
| S 24 | 0 43 6 | 8°50'48 | 27°11 | 29♍50 | 23°10 | 27°32 | 2° 0 | 15°54 | 7°14 | 16°33 | 26°34 | 27°42 | 28°35 | 13° 8 | 12°35 | S 24 |
| S 25 | 0 47 3 | 9°50'10 | 9♈36 | 29° 8 | 24°13 | 27°33 | 2°10 | 16° 1 | 7°17 | 16°32 | 26°33 | 27°40 | 28°31 | 13°14 | 12°32 | S 25 |
| M26 | 0 50 59 | 10°49'35 | 22°13 | 28°35 | 25°17 | 27°R34 | 2°21 | 16° 8 | 7°21 | 16°30 | 26°32 | 27°D39 | 28°28 | 13°21 | 12°29 | M26 |
| T 27 | 0 54 56 | 11°49'02 | 5♉ 3 | 28°13 | 26°22 | 27°34 | 2°32 | 16°15 | 7°24 | 16°29 | 26°31 | 27°39 | 28°25 | 13°28 | 12°26 | T 27 |
| W28 | 0 58 52 | 12°48'32 | 18° 5 | 28°D 2 | 27°27 | 27°32 | 2°43 | 16°22 | 7°28 | 16°28 | 26°31 | 27°40 | 28°22 | 13°34 | 12°24 | W28 |
| T 29 | 1 2 49 | 13°48'03 | 1♊20 | 28° 2 | 28°32 | 27°30 | 2°54 | 16°29 | 7°31 | 16°26 | 26°30 | 27°41 | 28°19 | 13°41 | 12°21 | T 29 |
| F 30 | 1 6 45 | 14♎47'37 | 14♊48 | 28♍13 | 29♌37 | 27♉27 | 3♐ 5 | 16♍36 | 7♏35 | 16♉25 | 26♉29 | 27♈42 | 28♈15 | 13♒48 | 12♈18 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n27 | 20n 2 | 2n 0 | 7s41 | 3s23 | 17n17 | 2s53 | 16n43 | 2s 2 | 19s21 | 0n33 | 8n22 | 1n51 | 13s12 | 0n24 | 15n12 | 1s50 | 7n 6 | 12s43 | 10n56 | 11n26 | 22s31 | 6n52 | 1n36 |
| F 2 | 5 4 | 24 5 | 3 3 | 7 59 | 3 29 | 17 12 | 2 46 | 16 49 | 2 1 | 19 22 | 0 33 | 8 20 | 1 51 | 13 13 | 0 24 | 15 11 | 1 50 | 7 6 | 12 44 | 10 56 | 11 25 | 22 29 | 6 51 | 1 36 |
| S 3 | 4 41 | 26 54 | 3 57 | 8 14 | 3 34 | 17 7 | 2 40 | 16 54 | 2 0 | 19 24 | 0 33 | 8 17 | 1 51 | 13 14 | 0 24 | 15 11 | 1 50 | 7 6 | 12 44 | 10 56 | 11 24 | 22 27 | 6 50 | 1 36 |
| S 4 | 4 18 | 28 8 | 4 38 | 8 26 | 3 39 | 17 1 | 2 33 | 16 59 | 1 59 | 19 26 | 0 33 | 8 14 | 1 51 | 13 15 | 0 24 | 15 11 | 1 50 | 7 5 | 12 44 | 10 56 | 11 23 | 22 24 | 6 49 | 1 36 |
| M 5 | 3 55 | 27 34 | 5 4 | 8 36 | 3 43 | 16 54 | 2 27 | 17 5 | 1 57 | 19 28 | 0 32 | 8 11 | 1 51 | 13 16 | 0 24 | 15 11 | 1 50 | 7 5 | 12 44 | 10 55 | 11 22 | 22 22 | 6 48 | 1 36 |
| T 6 | 3 32 | 25 7 | 5 10 | 8 43 | 3 46 | 16 47 | 2 20 | 17 10 | 1 56 | 19 30 | 0 32 | 8 8 | 1 51 | 13 17 | 0 24 | 15 10 | 1 50 | 7 5 | 12 44 | 10 54 | 11 21 | 22 20 | 6 47 | 1 36 |
| W 7 | 3 9 | 20 58 | 4 57 | 8 46 | 3 48 | 16 40 | 2 14 | 17 14 | 1 55 | 19 32 | 0 32 | 8 6 | 1 51 | 13 18 | 0 24 | 15 10 | 1 50 | 7 4 | 12 45 | 10 52 | 11 19 | 22 18 | 6 46 | 1 36 |
| T 8 | 2 45 | 15 27 | 4 23 | 8 46 | 3 49 | 16 32 | 2 7 | 17 19 | 1 54 | 19 35 | 0 32 | 8 3 | 1 51 | 13 19 | 0 24 | 15 10 | 1 50 | 7 4 | 12 45 | 10 50 | 11 18 | 22 16 | 6 45 | 1 36 |
| F 9 | 2 22 | 9 2 | 3 31 | 8 41 | 3 49 | 16 24 | 2 1 | 17 24 | 1 53 | 19 37 | 0 32 | 8 0 | 1 52 | 13 20 | 0 24 | 15 9 | 1 50 | 7 4 | 12 45 | 10 48 | 11 17 | 22 14 | 6 44 | 1 36 |
| S 10 | 1 59 | 2 11 | 2 26 | 8 33 | 3 48 | 16 15 | 1 55 | 17 28 | 1 51 | 19 39 | 0 31 | 7 57 | 1 52 | 13 21 | 0 24 | 15 9 | 1 50 | 7 3 | 12 45 | 10 47 | 11 16 | 22 12 | 6 43 | 1 36 |
| S 11 | 1 35 | 4s40 | 1 12 | 8 21 | 3 45 | 16 5 | 1 48 | 17 32 | 1 50 | 19 41 | 0 31 | 7 54 | 1 52 | 13 22 | 0 24 | 15 9 | 1 50 | 7 3 | 12 46 | 10 46 | 11 15 | 22 10 | 6 42 | 1 36 |
| M12 | 1 12 | 11 7 | 0s 4 | 8 4 | 3 41 | 15 56 | 1 42 | 17 36 | 1 49 | 19 43 | 0 31 | 7 52 | 1 52 | 13 23 | 0 24 | 15 9 | 1 50 | 7 3 | 12 46 | 10 46 | 11 14 | 22 8 | 6 41 | 1 36 |
| T 13 | 0 48 | 16 50 | 1 18 | 7 42 | 3 35 | 15 45 | 1 36 | 17 40 | 1 47 | 19 45 | 0 31 | 7 49 | 1 52 | 13 24 | 0 24 | 15 8 | 1 50 | 7 3 | 12 46 | 10 46 | 11 13 | 22 6 | 6 39 | 1 36 |
| W14 | 0 24 | 21 35 | 2 26 | 7 16 | 3 27 | 15 35 | 1 30 | 17 44 | 1 46 | 19 47 | 0 31 | 7 46 | 1 52 | 13 25 | 0 24 | 15 8 | 1 50 | 7 2 | 12 46 | 10 47 | 11 12 | 22 4 | 6 38 | 1 36 |
| T 15 | 0 1 | 25 9 | 3 24 | 6 46 | 3 17 | 15 23 | 1 24 | 17 48 | 1 44 | 19 49 | 0 31 | 7 43 | 1 52 | 13 26 | 0 24 | 15 8 | 1 50 | 7 2 | 12 46 | 10 47 | 11 10 | 22 1 | 6 37 | 1 36 |
| F 16 | 0s23 | 27 23 | 4 11 | 6 11 | 3 5 | 15 11 | 1 18 | 17 51 | 1 43 | 19 52 | 0 30 | 7 40 | 1 52 | 13 27 | 0 24 | 15 7 | 1 50 | 7 2 | 12 47 | 10 48 | 11 9 | 21 59 | 6 36 | 1 36 |
| S 17 | 0 46 | 28 14 | 4 45 | 5 33 | 2 51 | 14 59 | 1 12 | 17 55 | 1 41 | 19 54 | 0 30 | 7 38 | 1 52 | 13 28 | 0 24 | 15 7 | 1 50 | 7 1 | 12 47 | 10 48 | 11 8 | 21 57 | 6 35 | 1 36 |
| S 18 | 1 10 | 27 43 | 5 6 | 4 51 | 2 36 | 14 46 | 1 6 | 17 58 | 1 39 | 19 56 | 0 30 | 7 35 | 1 52 | 13 29 | 0 24 | 15 7 | 1 51 | 7 1 | 12 47 | 10 48 | 11 7 | 21 55 | 6 34 | 1 36 |
| M19 | 1 33 | 25 56 | 5 14 | 4 8 | 2 19 | 14 33 | 1 0 | 18 1 | 1 38 | 19 58 | 0 30 | 7 32 | 1 52 | 13 31 | 0 24 | 15 6 | 1 51 | 7 1 | 12 47 | 10 47 | 11 6 | 21 53 | 6 33 | 1 35 |
| T 20 | 1 57 | 23 1 | 5 8 | 3 23 | 2 0 | 14 20 | 0 55 | 18 4 | 1 36 | 20 0 | 0 30 | 7 30 | 1 53 | 13 32 | 0 24 | 15 6 | 1 51 | 7 0 | 12 47 | 10 46 | 11 5 | 21 51 | 6 31 | 1 35 |
| W21 | 2 21 | 19 9 | 4 49 | 2 38 | 1 41 | 14 5 | 0 49 | 18 7 | 1 34 | 20 3 | 0 30 | 7 27 | 1 53 | 13 33 | 0 24 | 15 5 | 1 51 | 7 0 | 12 47 | 10 45 | 11 4 | 21 49 | 6 30 | 1 35 |
| T 22 | 2 44 | 14 29 | 4 17 | 1 54 | 1 21 | 13 51 | 0 43 | 18 10 | 1 32 | 20 5 | 0 29 | 7 24 | 1 53 | 13 34 | 0 24 | 15 5 | 1 51 | 7 0 | 12 48 | 10 44 | 11 3 | 21 46 | 6 29 | 1 35 |
| F 23 | 3 8 | 9 14 | 3 34 | 1 12 | 1 0 | 13 36 | 0 38 | 18 12 | 1 30 | 20 7 | 0 29 | 7 22 | 1 53 | 13 35 | 0 24 | 15 5 | 1 51 | 6 59 | 12 48 | 10 42 | 11 1 | 21 44 | 6 28 | 1 35 |
| S 24 | 3 31 | 3 34 | 2 40 | 0 32 | 0 40 | 13 20 | 0 32 | 18 14 | 1 28 | 20 9 | 0 29 | 7 19 | 1 53 | 13 36 | 0 24 | 15 4 | 1 51 | 6 59 | 12 48 | 10 41 | 11 0 | 21 42 | 6 27 | 1 35 |
| S 25 | 3 55 | 2n19 | 1 38 | 0n 3 | 0 20 | 13 4 | 0 27 | 18 17 | 1 26 | 20 12 | 0 29 | 7 16 | 1 53 | 13 37 | 0 24 | 15 4 | 1 51 | 6 59 | 12 48 | 10 41 | 10 59 | 21 40 | 6 26 | 1 35 |
| M26 | 4 18 | 8 13 | 0 30 | 0 34 | 0 0 | 12 48 | 0 22 | 18 19 | 1 24 | 20 14 | 0 29 | 7 14 | 1 53 | 13 38 | 0 24 | 15 4 | 1 51 | 6 59 | 12 48 | 10 40 | 10 58 | 21 38 | 6 24 | 1 35 |
| T 27 | 4 41 | 13 53 | 0n41 | 0 59 | 0n18 | 12 31 | 0 16 | 18 21 | 1 22 | 20 16 | 0 29 | 7 11 | 1 53 | 13 39 | 0 24 | 15 3 | 1 51 | 6 58 | 12 48 | 10 40 | 10 57 | 21 36 | 6 23 | 1 35 |
| W28 | 5 5 | 19 3 | 1 51 | 1 19 | 0 35 | 12 13 | 0 11 | 18 23 | 1 20 | 20 18 | 0 29 | 7 8 | 1 54 | 13 41 | 0 24 | 15 3 | 1 51 | 6 58 | 12 49 | 10 41 | 10 56 | 21 33 | 6 22 | 1 35 |
| T 29 | 5 28 | 23 22 | 2 56 | 1 34 | 0 51 | 11 56 | 0 6 | 18 24 | 1 18 | 20 21 | 0 28 | 7 6 | 1 54 | 13 42 | 0 24 | 15 2 | 1 51 | 6 58 | 12 49 | 10 41 | 10 55 | 21 31 | 6 21 | 1 35 |
| F 30 | 5s51 | 26n30 | 3n52 | 1n42 | 1n 5 | 11n38 | 0s 1 | 18n26 | 1s16 | 20s23 | 0n28 | 7n 3 | 1n54 | 13s43 | 0n24 | 15n 2 | 1s51 | 6n57 | 12s49 | 10n42 | 10n53 | 21s29 | 6n20 | 1n35 |

Julian Day Number = 2228998.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'26, Lahiri = 15°21'26 Julian Calendar 1 Sept. 1390 == Greg. Calendar 9 Sept. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## OCTOBER 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 10 42 | 15♎47'14 | 28♊30 | 28♍35 | 0♍42 | 27°R23 | 3♐16 | 16♍43 | 7♏38 | 16°R24 | 26°R28 | 27♈43 | 28♈12 | 13♒55 | 12°R15 | S 1 |
| S 2 | 1 14 38 | 16°46'52 | 12♋25 | 29° 6 | 1°48 | 27♉19 | 3°27 | 16°50 | 7°42 | 16♉22 | 26♉28 | 27°R44 | 28° 9 | 14° 1 | 12♈12 | S 2 |
| M 3 | 1 18 35 | 17°46'33 | 26°32 | 29°46 | 2°54 | 27°13 | 3°38 | 16°57 | 7°45 | 16°21 | 26°27 | 27°43 | 28° 6 | 14° 8 | 12° 9 | M 3 |
| T 4 | 1 22 32 | 18°46'17 | 10♌50 | 0♎35 | 4° 0 | 27° 6 | 3°50 | 17° 3 | 7°49 | 16°19 | 26°26 | 27°43 | 28° 3 | 14°15 | 12° 7 | T 4 |
| W 5 | 1 26 28 | 19°46'02 | 25°16 | 1°32 | 5° 7 | 26°59 | 4° 1 | 17°10 | 7°52 | 16°18 | 26°25 | 27°42 | 28° 0 | 14°21 | 12° 4 | W 5 |
| T 6 | 1 30 25 | 20°45'50 | 9♍46 | 2°35 | 6°14 | 26°50 | 4°13 | 17°17 | 7°56 | 16°16 | 26°24 | 27°41 | 27°56 | 14°28 | 12° 1 | T 6 |
| F 7 | 1 34 21 | 21°45'40 | 24°15 | 3°44 | 7°21 | 26°41 | 4°24 | 17°23 | 8° 0 | 16°15 | 26°23 | 27°40 | 27°53 | 14°35 | 11°58 | F 7 |
| S 8 | 1 38 18 | 22°45'32 | 8♎37 | 4°58 | 8°28 | 26°31 | 4°36 | 17°30 | 8° 3 | 16°13 | 26°22 | 27°40 | 27°50 | 14°42 | 11°55 | S 8 |
| S 9 | 1 42 14 | 23°45'26 | 22°47 | 6°17 | 9°35 | 26°20 | 4°48 | 17°37 | 8° 7 | 16°12 | 26°21 | 27°D40 | 27°47 | 14°48 | 11°52 | S 9 |
| M10 | 1 46 11 | 24°45'22 | 6♏40 | 7°39 | 10°43 | 26° 8 | 4°59 | 17°43 | 8°11 | 16°10 | 26°20 | 27°40 | 27°44 | 14°55 | 11°50 | M10 |
| T 11 | 1 50 7 | 25°45'21 | 20°14 | 9° 5 | 11°51 | 25°55 | 5°11 | 17°49 | 8°14 | 16° 9 | 26°19 | 27°40 | 27°41 | 15° 2 | 11°47 | T 11 |
| W12 | 1 54 4 | 26°45'21 | 3♐27 | 10°33 | 12°59 | 25°42 | 5°23 | 17°56 | 8°18 | 16° 7 | 26°18 | 27°40 | 27°37 | 15° 8 | 11°44 | W12 |
| T 13 | 1 58 1 | 27°45'22 | 16°19 | 12° 3 | 14° 7 | 25°28 | 5°35 | 18° 2 | 8°22 | 16° 6 | 26°18 | 27°R40 | 27°34 | 15°15 | 11°41 | T 13 |
| F 14 | 2 1 57 | 28°45'26 | 28°51 | 13°36 | 15°16 | 25°12 | 5°47 | 18° 9 | 8°25 | 16° 4 | 26°17 | 27°40 | 27°31 | 15°22 | 11°39 | F 14 |
| S 15 | 2 5 54 | 29°45'31 | 11♑ 7 | 15° 9 | 16°24 | 24°57 | 6° 0 | 18°15 | 8°29 | 16° 2 | 26°16 | 27°40 | 27°28 | 15°29 | 11°36 | S 15 |
| S 16 | 2 9 50 | 0♏45'38 | 23°11 | 16°44 | 17°33 | 24°40 | 6°12 | 18°21 | 8°33 | 16° 1 | 26°15 | 27°40 | 27°25 | 15°35 | 11°33 | S 16 |
| M17 | 2 13 47 | 1°45'46 | 5♒ 7 | 18°20 | 18°42 | 24°23 | 6°24 | 18°27 | 8°37 | 15°59 | 26°14 | 27°D40 | 27°21 | 15°42 | 11°31 | M17 |
| T 18 | 2 17 43 | 2°45'56 | 16°59 | 19°56 | 19°51 | 24° 5 | 6°36 | 18°33 | 8°40 | 15°57 | 26°12 | 27°40 | 27°18 | 15°49 | 11°28 | T 18 |
| W19 | 2 21 40 | 3°46'08 | 28°53 | 21°33 | 21° 1 | 23°47 | 6°49 | 18°39 | 8°44 | 15°56 | 26°11 | 27°40 | 27°15 | 15°56 | 11°26 | W19 |
| T 20 | 2 25 36 | 4°46'21 | 10♓53 | 23°11 | 22°10 | 23°28 | 7° 1 | 18°45 | 8°48 | 15°54 | 26°10 | 27°41 | 27°12 | 16° 2 | 11°23 | T 20 |
| F 21 | 2 29 33 | 5°46'35 | 23° 2 | 24°48 | 23°20 | 23° 8 | 7°14 | 18°51 | 8°51 | 15°52 | 26° 9 | 27°42 | 27° 9 | 16° 9 | 11°20 | F 21 |
| S 22 | 2 33 30 | 6°46'51 | 5♈24 | 26°26 | 24°30 | 22°48 | 7°26 | 18°57 | 8°55 | 15°51 | 26° 8 | 27°43 | 27° 6 | 16°16 | 11°18 | S 22 |
| S 23 | 2 37 26 | 7°47'09 | 18° 2 | 28° 3 | 25°39 | 22°28 | 7°39 | 19° 3 | 8°59 | 15°49 | 26° 7 | 27°43 | 27° 2 | 16°22 | 11°15 | S 23 |
| M24 | 2 41 23 | 8°47'29 | 0♉56 | 29°41 | 26°50 | 22° 7 | 7°52 | 19° 9 | 9° 3 | 15°47 | 26° 6 | 27°R43 | 26°59 | 16°29 | 11°13 | M24 |
| T 25 | 2 45 19 | 9°47'50 | 14° 8 | 1♏18 | 28° 0 | 21°46 | 8° 4 | 19°14 | 9° 6 | 15°46 | 26° 5 | 27°43 | 26°56 | 16°36 | 11°11 | T 25 |
| W26 | 2 49 16 | 10°48'13 | 27°36 | 2°56 | 29°10 | 21°24 | 8°17 | 19°20 | 9°10 | 15°44 | 26° 4 | 27°42 | 26°53 | 16°43 | 11° 8 | W26 |
| T 27 | 2 53 12 | 11°48'38 | 11♊18 | 4°33 | 0♎21 | 21° 2 | 8°30 | 19°25 | 9°14 | 15°42 | 26° 3 | 27°40 | 26°50 | 16°49 | 11° 6 | T 27 |
| F 28 | 2 57 9 | 12°49'04 | 25°11 | 6°10 | 1°32 | 20°40 | 8°43 | 19°31 | 9°18 | 15°41 | 26° 2 | 27°38 | 26°47 | 16°56 | 11° 3 | F 28 |
| S 29 | 3 1 5 | 13°49'33 | 9♋14 | 7°47 | 2°42 | 20°18 | 8°56 | 19°36 | 9°21 | 15°39 | 26° 1 | 27°36 | 26°43 | 17° 3 | 11° 1 | S 29 |
| S 30 | 3 5 2 | 14°50'03 | 23°22 | 9°23 | 3°53 | 19°56 | 9° 9 | 19°41 | 9°25 | 15°37 | 26° 0 | 27°34 | 26°40 | 17° 9 | 10°59 | S 30 |
| M31 | 3 8 59 | 15♏50'35 | 7♌33 | 10♏59 | 5♎ 4 | 19♉34 | 9♐22 | 19♍47 | 9♏29 | 15♉36 | 25♉59 | 27♈33 | 26♈37 | 17♒16 | 10♈57 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s14 | 28n 7 | 4n36 | 1n45 | 1n17 | 11n19 | 0n 4 | 18n27 | 1s14 | 20s25 | 0n28 | 7n 1 | 1n54 | 13s44 | 0n23 | 15n 1 | 1s51 | 6n57 | 12s49 | 10n42 | 10n52 | 21s27 | 6n18 | 1n35 |
| S 2 | 6 37 | 28 0 | 5 5 | 1 43 | 1 28 | 11 0 | 0 8 | 18 28 | 1 11 | 20 28 | 0 28 | 6 58 | 1 54 | 13 45 | 0 23 | 15 1 | 1 51 | 6 57 | 12 49 | 10 42 | 10 51 | 21 25 | 6 17 | 1 34 |
| M 3 | 7 0 | 26 5 | 5 16 | 1 35 | 1 38 | 10 41 | 0 13 | 18 29 | 1 9 | 20 30 | 0 28 | 6 56 | 1 54 | 13 46 | 0 23 | 15 1 | 1 51 | 6 56 | 12 49 | 10 42 | 10 50 | 21 22 | 6 16 | 1 34 |
| T 4 | 7 23 | 22 30 | 5 8 | 1 23 | 1 46 | 10 21 | 0 18 | 18 30 | 1 6 | 20 32 | 0 28 | 6 53 | 1 54 | 13 48 | 0 23 | 15 0 | 1 51 | 6 56 | 12 49 | 10 42 | 10 49 | 21 20 | 6 15 | 1 34 |
| W 5 | 7 45 | 17 32 | 4 41 | 1 6 | 1 52 | 10 1 | 0 22 | 18 31 | 1 4 | 20 34 | 0 28 | 6 50 | 1 55 | 13 49 | 0 23 | 15 0 | 1 51 | 6 56 | 12 50 | 10 41 | 10 48 | 21 18 | 6 14 | 1 34 |
| T 6 | 8 8 | 11 34 | 3 55 | 0 46 | 1 57 | 9 40 | 0 27 | 18 31 | 1 1 | 20 37 | 0 27 | 6 48 | 1 55 | 13 50 | 0 23 | 14 59 | 1 51 | 6 55 | 12 50 | 10 41 | 10 47 | 21 16 | 6 12 | 1 34 |
| F 7 | 8 31 | 4 58 | 2 55 | 0 22 | 2 1 | 9 19 | 0 31 | 18 32 | 0 59 | 20 39 | 0 27 | 6 46 | 1 55 | 13 51 | 0 23 | 14 59 | 1 51 | 6 55 | 12 50 | 10 41 | 10 45 | 21 13 | 6 11 | 1 34 |
| S 8 | 8 53 | 1s50 | 1 44 | 0s 5 | 2 4 | 8 58 | 0 35 | 18 32 | 0 56 | 20 41 | 0 27 | 6 43 | 1 55 | 13 52 | 0 23 | 14 58 | 1 51 | 6 55 | 12 50 | 10 41 | 10 44 | 21 11 | 6 10 | 1 34 |
| S 9 | 9 15 | 8 28 | 0 27 | 0 35 | 2 5 | 8 36 | 0 39 | 18 32 | 0 54 | 20 43 | 0 27 | 6 41 | 1 55 | 13 54 | 0 23 | 14 58 | 1 51 | 6 54 | 12 50 | 10 41 | 10 43 | 21 9 | 6 9 | 1 34 |
| M10 | 9 37 | 14 34 | 0s50 | 1 7 | 2 6 | 8 14 | 0 43 | 18 32 | 0 51 | 20 46 | 0 27 | 6 38 | 1 55 | 13 55 | 0 23 | 14 57 | 1 51 | 6 54 | 12 50 | 10 41 | 10 42 | 21 7 | 6 8 | 1 34 |
| T 11 | 9 59 | 19 49 | 2 2 | 1 41 | 2 6 | 7 52 | 0 47 | 18 31 | 0 48 | 20 48 | 0 27 | 6 36 | 1 55 | 13 56 | 0 23 | 14 57 | 1 51 | 6 54 | 12 50 | 10 41 | 10 41 | 21 4 | 6 7 | 1 34 |
| W12 | 10 21 | 23 57 | 3 6 | 2 17 | 2 4 | 7 30 | 0 51 | 18 31 | 0 45 | 20 50 | 0 27 | 6 34 | 1 56 | 13 57 | 0 23 | 14 56 | 1 51 | 6 53 | 12 50 | 10 41 | 10 40 | 21 2 | 6 5 | 1 34 |
| T 13 | 10 43 | 26 46 | 3 58 | 2 54 | 2 3 | 7 7 | 0 55 | 18 30 | 0 42 | 20 53 | 0 26 | 6 31 | 1 56 | 13 58 | 0 23 | 14 56 | 1 51 | 6 53 | 12 51 | 10 41 | 10 39 | 21 0 | 6 4 | 1 33 |
| F 14 | 11 4 | 28 9 | 4 38 | 3 32 | 2 0 | 6 44 | 0 59 | 18 29 | 0 40 | 20 55 | 0 26 | 6 29 | 1 56 | 14 0 | 0 23 | 14 56 | 1 51 | 6 53 | 12 51 | 10 41 | 10 37 | 20 57 | 6 3 | 1 33 |
| S 15 | 11 26 | 28 6 | 5 4 | 4 12 | 1 57 | 6 20 | 1 2 | 18 28 | 0 37 | 20 57 | 0 26 | 6 27 | 1 56 | 14 1 | 0 23 | 14 55 | 1 51 | 6 53 | 12 51 | 10 41 | 10 36 | 20 55 | 6 2 | 1 33 |
| S 16 | 11 47 | 26 43 | 5 16 | 4 51 | 1 53 | 5 56 | 1 6 | 18 27 | 0 34 | 20 59 | 0 26 | 6 24 | 1 56 | 14 2 | 0 23 | 14 55 | 1 51 | 6 52 | 12 51 | 10 41 | 10 35 | 20 53 | 6 1 | 1 33 |
| M17 | 12 8 | 24 8 | 5 14 | 5 32 | 1 49 | 5 32 | 1 9 | 18 26 | 0 31 | 21 2 | 0 26 | 6 22 | 1 56 | 14 3 | 0 23 | 14 54 | 1 51 | 6 52 | 12 51 | 10 41 | 10 34 | 20 51 | 6 0 | 1 33 |
| T 18 | 12 28 | 20 32 | 4 59 | 6 13 | 1 45 | 5 8 | 1 12 | 18 25 | 0 28 | 21 4 | 0 26 | 6 20 | 1 57 | 14 4 | 0 23 | 14 54 | 1 51 | 6 52 | 12 51 | 10 41 | 10 33 | 20 48 | 5 58 | 1 33 |
| W19 | 12 49 | 16 8 | 4 31 | 6 53 | 1 40 | 4 44 | 1 15 | 18 23 | 0 25 | 21 6 | 0 26 | 6 18 | 1 57 | 14 6 | 0 23 | 14 53 | 1 51 | 6 51 | 12 51 | 10 41 | 10 32 | 20 46 | 5 57 | 1 33 |
| T 20 | 13 9 | 11 4 | 3 51 | 7 34 | 1 34 | 4 19 | 1 18 | 18 21 | 0 22 | 21 8 | 0 25 | 6 15 | 1 57 | 14 7 | 0 23 | 14 53 | 1 51 | 6 51 | 12 51 | 10 41 | 10 31 | 20 44 | 5 56 | 1 33 |
| F 21 | 13 30 | 5 32 | 3 1 | 8 15 | 1 29 | 3 54 | 1 21 | 18 19 | 0 18 | 21 10 | 0 25 | 6 13 | 1 57 | 14 8 | 0 23 | 14 52 | 1 51 | 6 51 | 12 51 | 10 41 | 10 29 | 20 41 | 5 55 | 1 33 |
| S 22 | 13 49 | 0n19 | 2 0 | 8 56 | 1 23 | 3 29 | 1 24 | 18 17 | 0 15 | 21 13 | 0 25 | 6 11 | 1 57 | 14 9 | 0 23 | 14 52 | 1 51 | 6 50 | 12 51 | 10 42 | 10 28 | 20 39 | 5 54 | 1 32 |
| S 23 | 14 9 | 6 16 | 0 53 | 9 37 | 1 17 | 3 4 | 1 27 | 18 15 | 0 12 | 21 15 | 0 25 | 6 9 | 1 58 | 14 10 | 0 23 | 14 51 | 1 51 | 6 50 | 12 51 | 10 42 | 10 27 | 20 37 | 5 53 | 1 32 |
| M24 | 14 29 | 12 7 | 0n18 | 10 17 | 1 11 | 2 38 | 1 30 | 18 13 | 0 9 | 21 17 | 0 25 | 6 7 | 1 58 | 14 12 | 0 23 | 14 51 | 1 51 | 6 50 | 12 51 | 10 42 | 10 26 | 20 34 | 5 52 | 1 32 |
| T 25 | 14 48 | 17 34 | 1 30 | 10 57 | 1 5 | 2 12 | 1 32 | 18 10 | 0 6 | 21 19 | 0 25 | 6 5 | 1 58 | 14 13 | 0 23 | 14 50 | 1 51 | 6 50 | 12 51 | 10 42 | 10 25 | 20 32 | 5 51 | 1 32 |
| W26 | 15 7 | 22 15 | 2 38 | 11 37 | 0 58 | 1 46 | 1 34 | 18 8 | 0 3 | 21 21 | 0 25 | 6 3 | 1 58 | 14 14 | 0 23 | 14 50 | 1 51 | 6 49 | 12 51 | 10 41 | 10 24 | 20 29 | 5 50 | 1 32 |
| T 27 | 15 26 | 25 48 | 3 38 | 12 16 | 0 52 | 1 20 | 1 37 | 18 5 | 0n 0 | 21 23 | 0 25 | 6 1 | 1 58 | 14 15 | 0 23 | 14 49 | 1 51 | 6 49 | 12 51 | 10 41 | 10 23 | 20 27 | 5 49 | 1 32 |
| F 28 | 15 44 | 27 52 | 4 26 | 12 55 | 0 45 | 0 54 | 1 39 | 18 2 | 0 4 | 21 26 | 0 25 | 5 59 | 1 59 | 14 16 | 0 23 | 14 49 | 1 51 | 6 49 | 12 51 | 10 40 | 10 21 | 20 25 | 5 48 | 1 32 |
| S 29 | 16 3 | 28 10 | 4 59 | 13 33 | 0 39 | 0 28 | 1 41 | 17 59 | 0 7 | 21 28 | 0 24 | 5 57 | 1 59 | 14 18 | 0 23 | 14 48 | 1 51 | 6 48 | 12 52 | 10 39 | 10 20 | 20 22 | 5 47 | 1 32 |
| S 30 | 16 21 | 26 39 | 5 14 | 14 10 | 0 32 | 0 2 | 1 43 | 17 56 | 0 10 | 21 30 | 0 24 | 5 55 | 1 59 | 14 19 | 0 23 | 14 48 | 1 51 | 6 48 | 12 52 | 10 39 | 10 19 | 20 20 | 5 46 | 1 31 |
| M31 | 16s38 | 23n27 | 5n11 | 14s47 | 0n25 | 0s25 | 1n45 | 17n53 | 0n13 | 21s32 | 0n24 | 5n53 | 1n59 | 14s20 | 0n23 | 14n47 | 1s51 | 6n48 | 12s52 | 10n38 | 10n18 | 20s18 | 5n45 | 1n31 |

Julian Day Number = 2229028.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'30, Lahiri = 15°21'30 Julian Calendar 1 Oct. 1390 == Greg. Calendar 9 Oct. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## NOVEMBER 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 12 55 | 16♏51'09 | 21♌44 | 12♏36 | 6♎16 | 19°R11 | 9♐35 | 19♍52 | 9♏33 | 15°R34 | 25°R57 | 27°D33 | 26♈34 | 17♒23 | 10°R55 | T 1 |
| W 2 | 3 16 52 | 17°51'45 | 5♍54 | 14°11 | 7°27 | 18♉49 | 9°48 | 19°57 | 9°36 | 15♉32 | 25♉56 | 27♈34 | 26°31 | 17°30 | 10♈52 | W 2 |
| T 3 | 3 20 48 | 18°52'23 | 19°59 | 15°47 | 8°38 | 18°27 | 10° 1 | 20° 2 | 9°40 | 15°31 | 25°55 | 27°35 | 26°27 | 17°36 | 10°50 | T 3 |
| F 4 | 3 24 45 | 19°53'02 | 4♎ 0 | 17°23 | 9°50 | 18° 4 | 10°14 | 20° 7 | 9°44 | 15°29 | 25°54 | 27°37 | 26°24 | 17°43 | 10°48 | F 4 |
| S 5 | 3 28 41 | 20°53'43 | 17°52 | 18°58 | 11° 2 | 17°43 | 10°28 | 20°12 | 9°47 | 15°27 | 25°53 | 27°38 | 26°21 | 17°50 | 10°46 | S 5 |
| S 6 | 3 32 38 | 21°54'26 | 1♏35 | 20°33 | 12°13 | 17°21 | 10°41 | 20°17 | 9°51 | 15°25 | 25°52 | 27°R38 | 26°18 | 17°56 | 10°44 | S 6 |
| M 7 | 3 36 34 | 22°55'10 | 15° 6 | 22° 8 | 13°25 | 16°59 | 10°54 | 20°21 | 9°55 | 15°24 | 25°51 | 27°37 | 26°15 | 18° 3 | 10°42 | M 7 |
| T 8 | 3 40 31 | 23°55'56 | 28°23 | 23°43 | 14°37 | 16°38 | 11° 8 | 20°26 | 9°58 | 15°22 | 25°49 | 27°35 | 26°12 | 18°10 | 10°40 | T 8 |
| W 9 | 3 44 28 | 24°56'43 | 11♐25 | 25°17 | 15°49 | 16°18 | 11°21 | 20°31 | 10° 2 | 15°20 | 25°48 | 27°31 | 26° 8 | 18°17 | 10°38 | W 9 |
| T 10 | 3 48 24 | 25°57'31 | 24°11 | 26°52 | 17° 2 | 15°57 | 11°34 | 20°35 | 10° 6 | 15°19 | 25°47 | 27°26 | 26° 5 | 18°23 | 10°37 | T 10 |
| F 11 | 3 52 21 | 26°58'21 | 6♑41 | 28°26 | 18°14 | 15°38 | 11°48 | 20°40 | 10° 9 | 15°17 | 25°46 | 27°21 | 26° 2 | 18°30 | 10°35 | F 11 |
| S 12 | 3 56 17 | 27°59'11 | 18°56 | 0♐ 0 | 19°26 | 15°18 | 12° 1 | 20°44 | 10°13 | 15°15 | 25°45 | 27°16 | 25°59 | 18°37 | 10°33 | S 12 |
| S 13 | 4 0 14 | 29° 0'03 | 1♒ 0 | 1°34 | 20°39 | 15° 0 | 12°15 | 20°48 | 10°17 | 15°14 | 25°44 | 27°11 | 25°56 | 18°43 | 10°32 | S 13 |
| M14 | 4 4 10 | 0♐ 0'55 | 12°56 | 3° 8 | 21°51 | 14°42 | 12°28 | 20°52 | 10°20 | 15°12 | 25°43 | 27° 8 | 25°53 | 18°50 | 10°30 | M14 |
| T 15 | 4 8 7 | 1° 1'49 | 24°47 | 4°42 | 23° 4 | 14°24 | 12°42 | 20°56 | 10°24 | 15°11 | 25°42 | 27° 7 | 25°49 | 18°57 | 10°28 | T 15 |
| W16 | 4 12 3 | 2° 2'43 | 6♓39 | 6°16 | 24°16 | 14° 7 | 12°55 | 21° 0 | 10°27 | 15° 9 | 25°40 | 27°D 7 | 25°46 | 19° 4 | 10°27 | W16 |
| T 17 | 4 16 0 | 3° 3'38 | 18°37 | 7°50 | 25°29 | 13°51 | 13° 9 | 21° 4 | 10°31 | 15° 7 | 25°39 | 27° 8 | 25°43 | 19°10 | 10°25 | T 17 |
| F 18 | 4 19 57 | 4° 4'33 | 0♈46 | 9°24 | 26°42 | 13°36 | 13°22 | 21° 8 | 10°34 | 15° 6 | 25°38 | 27° 9 | 25°40 | 19°17 | 10°24 | F 18 |
| S 19 | 4 23 53 | 5° 5'30 | 13°10 | 10°58 | 27°55 | 13°21 | 13°36 | 21°12 | 10°38 | 15° 4 | 25°37 | 27°11 | 25°37 | 19°24 | 10°23 | S 19 |
| S 20 | 4 27 50 | 6° 6'27 | 25°53 | 12°32 | 29° 8 | 13° 7 | 13°50 | 21°15 | 10°41 | 15° 3 | 25°36 | 27°R12 | 25°33 | 19°30 | 10°21 | S 20 |
| M21 | 4 31 46 | 7° 7'25 | 8♉59 | 14° 6 | 0♏21 | 12°54 | 14° 3 | 21°19 | 10°45 | 15° 1 | 25°35 | 27°11 | 25°30 | 19°37 | 10°20 | M21 |
| T 22 | 4 35 43 | 8° 8'24 | 22°27 | 15°40 | 1°34 | 12°41 | 14°17 | 21°22 | 10°48 | 15° 0 | 25°34 | 27° 9 | 25°27 | 19°44 | 10°19 | T 22 |
| W23 | 4 39 39 | 9° 9'24 | 6♊18 | 17°14 | 2°47 | 12°29 | 14°30 | 21°25 | 10°52 | 14°58 | 25°33 | 27° 4 | 25°24 | 19°50 | 10°18 | W23 |
| T 24 | 4 43 36 | 10°10'25 | 20°28 | 18°48 | 4° 0 | 12°19 | 14°44 | 21°29 | 10°55 | 14°56 | 25°31 | 26°58 | 25°21 | 19°57 | 10°16 | T 24 |
| F 25 | 4 47 32 | 11°11'27 | 4♋52 | 20°22 | 5°14 | 12° 9 | 14°58 | 21°32 | 10°58 | 14°55 | 25°30 | 26°51 | 25°18 | 20° 4 | 10°15 | F 25 |
| S 26 | 4 51 29 | 12°12'29 | 19°24 | 21°56 | 6°27 | 11°59 | 15°11 | 21°35 | 11° 2 | 14°54 | 25°29 | 26°43 | 25°14 | 20°11 | 10°14 | S 26 |
| S 27 | 4 55 26 | 13°13'33 | 3♌57 | 23°30 | 7°40 | 11°51 | 15°25 | 21°38 | 11° 5 | 14°52 | 25°28 | 26°37 | 25°11 | 20°17 | 10°13 | S 27 |
| M28 | 4 59 22 | 14°14'37 | 18°25 | 25° 3 | 8°54 | 11°43 | 15°39 | 21°41 | 11° 8 | 14°51 | 25°27 | 26°32 | 25° 8 | 20°24 | 10°13 | M28 |
| T 29 | 5 3 19 | 15°15'42 | 2♍44 | 26°37 | 10° 7 | 11°36 | 15°53 | 21°43 | 11°12 | 14°49 | 25°26 | 26°29 | 25° 5 | 20°31 | 10°12 | T 29 |
| W30 | 5 7 15 | 16♐16'48 | 16♍51 | 28♐11 | 11♏21 | 11♉30 | 16♐ 6 | 21♍46 | 11♏15 | 14♉48 | 25♉25 | 26°D28 | 25♈ 2 | 20♒37 | 10♈11 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s56 | 18n50 | 4n48 | 15s23 | 0n18 | 0s52 | 1n47 | 17n50 | 0n16 | 21s34 | 0n24 | 5n51 | 1n59 | 14s21 | 0n23 | 14n47 | 1s51 | 6n48 | 12s52 | 10n38 | 10n17 | 20s15 | 5n44 | 1n31 |
| W 2 | 17 13 | 13 13 | 4 8 | 15 58 | 0 12 | 1 18 | 1 48 | 17 47 | 0 19 | 21 36 | 0 24 | 5 50 | 2 0 | 14 22 | 0 23 | 14 46 | 1 51 | 6 47 | 12 52 | 10 39 | 10 16 | 20 13 | 5 43 | 1 31 |
| T 3 | 17 30 | 6 56 | 3 13 | 16 33 | 0 5 | 1 45 | 1 50 | 17 44 | 0 22 | 21 38 | 0 24 | 5 48 | 2 0 | 14 24 | 0 23 | 14 46 | 1 51 | 6 47 | 12 52 | 10 39 | 10 15 | 20 10 | 5 42 | 1 31 |
| F 4 | 17 46 | 0 20 | 2 6 | 17 6 | 0s 2 | 2 12 | 1 52 | 17 41 | 0 25 | 21 40 | 0 24 | 5 46 | 2 0 | 14 25 | 0 23 | 14 45 | 1 51 | 6 47 | 12 52 | 10 40 | 10 13 | 20 8 | 5 41 | 1 31 |
| S 5 | 18 2 | 6s13 | 0 53 | 17 39 | 0 9 | 2 39 | 1 53 | 17 37 | 0 28 | 21 42 | 0 24 | 5 44 | 2 0 | 14 26 | 0 23 | 14 45 | 1 51 | 6 47 | 12 52 | 10 40 | 10 12 | 20 6 | 5 40 | 1 31 |
| S 6 | 18 18 | 12 24 | 0s22 | 18 12 | 0 15 | 3 6 | 1 54 | 17 34 | 0 31 | 21 44 | 0 24 | 5 43 | 2 1 | 14 27 | 0 23 | 14 44 | 1 51 | 6 46 | 12 52 | 10 40 | 10 11 | 20 3 | 5 39 | 1 30 |
| M 7 | 18 34 | 17 56 | 1 34 | 18 43 | 0 22 | 3 33 | 1 55 | 17 31 | 0 34 | 21 46 | 0 23 | 5 41 | 2 1 | 14 28 | 0 23 | 14 44 | 1 51 | 6 46 | 12 52 | 10 40 | 10 10 | 20 1 | 5 38 | 1 30 |
| T 8 | 18 49 | 22 29 | 2 41 | 19 13 | 0 28 | 4 0 | 1 56 | 17 27 | 0 37 | 21 48 | 0 23 | 5 39 | 2 1 | 14 29 | 0 23 | 14 43 | 1 51 | 6 46 | 12 52 | 10 39 | 10 9 | 19 58 | 5 37 | 1 30 |
| W 9 | 19 4 | 25 49 | 3 37 | 19 43 | 0 35 | 4 27 | 1 57 | 17 24 | 0 40 | 21 50 | 0 23 | 5 38 | 2 1 | 14 31 | 0 23 | 14 43 | 1 51 | 6 46 | 12 51 | 10 37 | 10 8 | 19 56 | 5 36 | 1 30 |
| T 10 | 19 19 | 27 45 | 4 21 | 20 11 | 0 41 | 4 53 | 1 58 | 17 21 | 0 42 | 21 52 | 0 23 | 5 36 | 2 2 | 14 32 | 0 23 | 14 42 | 1 51 | 6 46 | 12 51 | 10 36 | 10 6 | 19 53 | 5 35 | 1 30 |
| F 11 | 19 33 | 28 13 | 4 52 | 20 39 | 0 47 | 5 20 | 1 59 | 17 18 | 0 45 | 21 54 | 0 23 | 5 35 | 2 2 | 14 33 | 0 23 | 14 42 | 1 51 | 6 45 | 12 51 | 10 34 | 10 5 | 19 51 | 5 35 | 1 30 |
| S 12 | 19 47 | 27 16 | 5 9 | 21 5 | 0 53 | 5 47 | 2 0 | 17 15 | 0 48 | 21 56 | 0 23 | 5 33 | 2 2 | 14 34 | 0 23 | 14 42 | 1 51 | 6 45 | 12 51 | 10 32 | 10 4 | 19 49 | 5 34 | 1 30 |
| S 13 | 20 0 | 25 4 | 5 11 | 21 31 | 0 59 | 6 14 | 2 0 | 17 12 | 0 51 | 21 58 | 0 23 | 5 32 | 2 2 | 14 35 | 0 23 | 14 41 | 1 51 | 6 45 | 12 51 | 10 30 | 10 3 | 19 46 | 5 33 | 1 29 |
| M14 | 20 13 | 21 47 | 5 0 | 21 55 | 1 5 | 6 41 | 2 1 | 17 9 | 0 53 | 22 0 | 0 23 | 5 30 | 2 2 | 14 36 | 0 23 | 14 41 | 1 51 | 6 45 | 12 51 | 10 29 | 10 2 | 19 44 | 5 32 | 1 29 |
| T 15 | 20 26 | 17 38 | 4 37 | 22 19 | 1 11 | 7 7 | 2 1 | 17 6 | 0 56 | 22 1 | 0 23 | 5 29 | 2 3 | 14 37 | 0 23 | 14 40 | 1 51 | 6 45 | 12 51 | 10 29 | 10 1 | 19 41 | 5 32 | 1 29 |
| W16 | 20 38 | 12 49 | 4 1 | 22 41 | 1 16 | 7 34 | 2 1 | 17 3 | 0 58 | 22 3 | 0 22 | 5 28 | 2 3 | 14 38 | 0 23 | 14 40 | 1 51 | 6 44 | 12 51 | 10 29 | 9 59 | 19 39 | 5 31 | 1 29 |
| T 17 | 20 50 | 7 30 | 3 15 | 23 2 | 1 22 | 8 0 | 2 1 | 17 1 | 1 0 | 22 5 | 0 22 | 5 26 | 2 3 | 14 40 | 0 23 | 14 39 | 1 51 | 6 44 | 12 51 | 10 29 | 9 58 | 19 36 | 5 30 | 1 29 |
| F 18 | 21 2 | 1 49 | 2 19 | 23 22 | 1 27 | 8 26 | 2 2 | 16 58 | 1 3 | 22 7 | 0 22 | 5 25 | 2 3 | 14 41 | 0 23 | 14 39 | 1 51 | 6 44 | 12 51 | 10 30 | 9 57 | 19 34 | 5 29 | 1 29 |
| S 19 | 21 13 | 4n 3 | 1 16 | 23 41 | 1 32 | 8 53 | 2 2 | 16 56 | 1 5 | 22 9 | 0 22 | 5 24 | 2 4 | 14 42 | 0 23 | 14 38 | 1 51 | 6 44 | 12 51 | 10 30 | 9 56 | 19 31 | 5 29 | 1 29 |
| S 20 | 21 24 | 9 55 | 0 7 | 23 58 | 1 37 | 9 19 | 2 1 | 16 54 | 1 7 | 22 10 | 0 22 | 5 23 | 2 4 | 14 43 | 0 23 | 14 38 | 1 51 | 6 44 | 12 51 | 10 31 | 9 55 | 19 29 | 5 28 | 1 28 |
| M21 | 21 34 | 15 32 | 1n 4 | 24 15 | 1 41 | 9 44 | 2 1 | 16 52 | 1 9 | 22 12 | 0 22 | 5 21 | 2 4 | 14 44 | 0 23 | 14 38 | 1 51 | 6 43 | 12 51 | 10 30 | 9 54 | 19 26 | 5 27 | 1 28 |
| T 22 | 21 44 | 20 35 | 2 13 | 24 30 | 1 45 | 10 10 | 2 1 | 16 50 | 1 12 | 22 14 | 0 22 | 5 20 | 2 5 | 14 45 | 0 23 | 14 37 | 1 51 | 6 43 | 12 51 | 10 29 | 9 53 | 19 24 | 5 27 | 1 28 |
| W23 | 21 54 | 24 39 | 3 16 | 24 43 | 1 50 | 10 36 | 2 1 | 16 48 | 1 14 | 22 15 | 0 22 | 5 19 | 2 5 | 14 46 | 0 23 | 14 37 | 1 51 | 6 43 | 12 51 | 10 28 | 9 51 | 19 21 | 5 26 | 1 28 |
| T 24 | 22 3 | 27 18 | 4 8 | 24 56 | 1 53 | 11 1 | 2 0 | 16 47 | 1 16 | 22 17 | 0 22 | 5 18 | 2 5 | 14 47 | 0 23 | 14 36 | 1 51 | 6 43 | 12 50 | 10 26 | 9 50 | 19 19 | 5 26 | 1 28 |
| F 25 | 22 12 | 28 11 | 4 46 | 25 7 | 1 57 | 11 26 | 1 59 | 16 46 | 1 17 | 22 19 | 0 22 | 5 17 | 2 5 | 14 48 | 0 23 | 14 36 | 1 51 | 6 43 | 12 50 | 10 23 | 9 49 | 19 16 | 5 25 | 1 28 |
| S 26 | 22 20 | 27 9 | 5 5 | 25 16 | 2 0 | 11 51 | 1 59 | 16 45 | 1 19 | 22 20 | 0 21 | 5 16 | 2 6 | 14 49 | 0 23 | 14 35 | 1 51 | 6 43 | 12 50 | 10 20 | 9 48 | 19 14 | 5 25 | 1 28 |
| S 27 | 22 28 | 24 16 | 5 5 | 25 25 | 2 3 | 12 15 | 1 58 | 16 44 | 1 21 | 22 22 | 0 21 | 5 15 | 2 6 | 14 50 | 0 23 | 14 35 | 1 51 | 6 43 | 12 50 | 10 18 | 9 47 | 19 11 | 5 24 | 1 27 |
| M28 | 22 35 | 19 53 | 4 46 | 25 31 | 2 6 | 12 40 | 1 57 | 16 43 | 1 23 | 22 23 | 0 21 | 5 14 | 2 6 | 14 51 | 0 23 | 14 35 | 1 51 | 6 43 | 12 50 | 10 16 | 9 46 | 19 9 | 5 24 | 1 27 |
| T 29 | 22 42 | 14 24 | 4 9 | 25 37 | 2 8 | 13 4 | 1 56 | 16 42 | 1 25 | 22 25 | 0 21 | 5 14 | 2 6 | 14 52 | 0 23 | 14 34 | 1 51 | 6 42 | 12 50 | 10 15 | 9 44 | 19 6 | 5 23 | 1 27 |
| W30 | 22s49 | 8n14 | 3n17 | 25s40 | 2s10 | 13s27 | 1n55 | 16n42 | 1n26 | 22s27 | 0n21 | 5n13 | 2n 7 | 14s53 | 0n23 | 14n34 | 1s51 | 6n42 | 12s50 | 10n15 | 9n43 | 19s 4 | 5n23 | 1n27 |

Julian Day Number = 2229059.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'34, Lahiri = 15°21'35 Julian Calendar 1 Nov. 1390 == Greg. Calendar 9 Nov. 1390


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# ASTRODIENST EPHEMERIS for the year 1390
# geocentric

## DECEMBER 1390 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 11 12 | 17♐17'56 | 0♎44 | 29♐45 | 12♏35 | 11°R25 | 16♐20 | 21♍49 | 11♏18 | 14°R46 | 25°R24 | 26♈29 | 24♈59 | 20♒44 | 10°R10 | T 1 |
| F 2 | 5 15 8 | 18°19'04 | 14°25 | 1♑19 | 13°48 | 11♉21 | 16°34 | 21°51 | 11°21 | 14♉45 | 25♉23 | 26°30 | 24°55 | 20°51 | 10♈10 | F 2 |
| S 3 | 5 19 5 | 19°20'12 | 27°54 | 2°52 | 15° 2 | 11°17 | 16°47 | 21°53 | 11°24 | 14°44 | 25°22 | 26°R31 | 24°52 | 20°58 | 10° 9 | S 3 |
| S 4 | 5 23 2 | 20°21'22 | 11♏11 | 4°25 | 16°16 | 11°14 | 17° 1 | 21°56 | 11°28 | 14°42 | 25°21 | 26°29 | 24°49 | 21° 4 | 10° 8 | S 4 |
| M 5 | 5 26 58 | 21°22'32 | 24°17 | 5°58 | 17°30 | 11°12 | 17°15 | 21°58 | 11°31 | 14°41 | 25°20 | 26°26 | 24°46 | 21°11 | 10° 8 | M 5 |
| T 6 | 5 30 55 | 22°23'43 | 7♐12 | 7°30 | 18°44 | 11°11 | 17°28 | 22° 0 | 11°34 | 14°40 | 25°19 | 26°20 | 24°43 | 21°18 | 10° 7 | T 6 |
| W 7 | 5 34 51 | 23°24'54 | 19°56 | 9° 1 | 19°57 | 11°D11 | 17°42 | 22° 2 | 11°37 | 14°39 | 25°18 | 26°11 | 24°39 | 21°24 | 10° 7 | W 7 |
| T 8 | 5 38 48 | 24°26'06 | 2♑28 | 10°32 | 21°11 | 11°11 | 17°56 | 22° 3 | 11°40 | 14°37 | 25°17 | 26° 0 | 24°36 | 21°31 | 10° 7 | T 8 |
| F 9 | 5 42 44 | 25°27'18 | 14°50 | 12° 2 | 22°25 | 11°13 | 18°10 | 22° 5 | 11°43 | 14°36 | 25°16 | 25°48 | 24°33 | 21°38 | 10° 6 | F 9 |
| S 10 | 5 46 41 | 26°28'30 | 27° 0 | 13°31 | 23°39 | 11°15 | 18°23 | 22° 7 | 11°46 | 14°35 | 25°15 | 25°36 | 24°30 | 21°45 | 10° 6 | S 10 |
| S 11 | 5 50 37 | 27°29'42 | 9♒ 1 | 14°58 | 24°53 | 11°18 | 18°37 | 22° 8 | 11°49 | 14°34 | 25°14 | 25°26 | 24°27 | 21°51 | 10° 6 | S 11 |
| M12 | 5 54 34 | 28°30'54 | 20°55 | 16°23 | 26° 7 | 11°21 | 18°50 | 22°10 | 11°52 | 14°33 | 25°13 | 25°17 | 24°24 | 21°58 | 10° 6 | M12 |
| T 13 | 5 58 31 | 29°32'06 | 2♓44 | 17°47 | 27°22 | 11°25 | 19° 4 | 22°11 | 11°54 | 14°32 | 25°12 | 25°10 | 24°20 | 22° 5 | 10°D 6 | T 13 |
| W14 | 6 2 27 | 0♑33'18 | 14°34 | 19° 8 | 28°36 | 11°30 | 19°18 | 22°12 | 11°57 | 14°31 | 25°11 | 25° 7 | 24°17 | 22°11 | 10° 6 | W14 |
| T 15 | 6 6 24 | 1°34'30 | 26°29 | 20°26 | 29°50 | 11°36 | 19°31 | 22°13 | 12° 0 | 14°29 | 25°10 | 25°D 5 | 24°14 | 22°18 | 10° 6 | T 15 |
| F 16 | 6 10 20 | 2°35'41 | 8♈33 | 21°40 | 1♗ 4 | 11°43 | 19°45 | 22°14 | 12° 3 | 14°28 | 25°10 | 25° 5 | 24°11 | 22°25 | 10° 6 | F 16 |
| S 17 | 6 14 17 | 3°36'53 | 20°54 | 22°51 | 2°18 | 11°50 | 19°58 | 22°15 | 12° 5 | 14°27 | 25° 9 | 25°R 6 | 24° 8 | 22°32 | 10° 7 | S 17 |
| S 18 | 6 18 13 | 4°38'03 | 3♉35 | 23°57 | 3°33 | 11°58 | 20°12 | 22°16 | 12° 8 | 14°26 | 25° 8 | 25° 5 | 24° 5 | 22°38 | 10° 7 | S 18 |
| M19 | 6 22 10 | 5°39'14 | 16°41 | 24°57 | 4°47 | 12° 6 | 20°25 | 22°16 | 12°11 | 14°26 | 25° 7 | 25° 3 | 24° 1 | 22°45 | 10° 7 | M19 |
| T 20 | 6 26 6 | 6°40'24 | 0♊14 | 25°51 | 6° 1 | 12°15 | 20°39 | 22°17 | 12°13 | 14°25 | 25° 6 | 24°59 | 23°58 | 22°52 | 10° 7 | T 20 |
| W21 | 6 30 3 | 7°41'34 | 14°16 | 26°38 | 7°15 | 12°25 | 20°52 | 22°17 | 12°16 | 14°24 | 25° 5 | 24°52 | 23°55 | 22°58 | 10° 8 | W21 |
| T 22 | 6 34 0 | 8°42'44 | 28°44 | 27°17 | 8°30 | 12°35 | 21° 6 | 22°18 | 12°18 | 14°23 | 25° 5 | 24°42 | 23°52 | 23° 5 | 10° 8 | T 22 |
| F 23 | 6 37 56 | 9°43'53 | 13♋32 | 27°47 | 9°44 | 12°46 | 21°19 | 22°18 | 12°21 | 14°22 | 25° 4 | 24°31 | 23°49 | 23°12 | 10° 9 | F 23 |
| S 24 | 6 41 53 | 10°45'02 | 28°31 | 28° 8 | 10°58 | 12°58 | 21°33 | 22°R18 | 12°23 | 14°21 | 25° 3 | 24°19 | 23°45 | 23°18 | 10°10 | S 24 |
| S 25 | 6 45 49 | 11°46'11 | 13♌32 | 28°R17 | 12°13 | 13°10 | 21°46 | 22°18 | 12°25 | 14°21 | 25° 2 | 24° 9 | 23°42 | 23°25 | 10°10 | S 25 |
| M26 | 6 49 46 | 12°47'20 | 28°25 | 28°16 | 13°27 | 13°23 | 21°59 | 22°18 | 12°28 | 14°20 | 25° 2 | 24° 0 | 23°39 | 23°32 | 10°11 | M26 |
| T 27 | 6 53 42 | 13°48'28 | 13♍ 3 | 28° 3 | 14°42 | 13°36 | 22°12 | 22°17 | 12°30 | 14°19 | 25° 1 | 23°55 | 23°36 | 23°39 | 10°12 | T 27 |
| W28 | 6 57 39 | 14°49'36 | 27°21 | 27°38 | 15°56 | 13°50 | 22°26 | 22°17 | 12°32 | 14°18 | 25° 0 | 23°52 | 23°33 | 23°45 | 10°13 | W28 |
| T 29 | 7 1 36 | 15°50'44 | 11♎18 | 27° 1 | 17°11 | 14° 4 | 22°39 | 22°17 | 12°34 | 14°18 | 24°59 | 23°51 | 23°30 | 23°52 | 10°14 | T 29 |
| F 30 | 7 5 32 | 16°51'52 | 24°54 | 26°14 | 18°25 | 14°19 | 22°52 | 22°16 | 12°36 | 14°17 | 24°59 | 23°51 | 23°26 | 23°59 | 10°15 | F 30 |
| S 31 | 7 9 29 | 17♑53'00 | 8♏11 | 25♑17 | 19♐40 | 14♉34 | 23♐ 5 | 22♍15 | 12♏39 | 14♉17 | 24♉58 | 23♈51 | 23♈23 | 24♒ 5 | 10♈16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 1n45 | 2n14 | 25s43 | 2s12 | 13s51 | 1n54 | 16n42 | 1n28 | 22s28 | 0n21 | 5n12 | 2n 7 | 14s54 | 0n23 | 14n34 | 1s51 | 6n42 | 12s50 | 10n15 | 9n42 | 19s 1 | 5n22 | 1n27 |
| F 2 | 23 0 | 4s43 | 1 5 | 25 44 | 2 13 | 14 14 | 1 53 | 16 42 | 1 29 | 22 30 | 0 21 | 5 11 | 2 7 | 14 55 | 0 23 | 14 33 | 1 51 | 6 42 | 12 50 | 10 15 | 9 41 | 18 59 | 5 22 | 1 27 |
| S 3 | 23 5 | 10 53 | 0s 7 | 25 43 | 2 13 | 14 37 | 1 52 | 16 42 | 1 31 | 22 31 | 0 21 | 5 11 | 2 7 | 14 56 | 0 23 | 14 33 | 1 51 | 6 42 | 12 49 | 10 16 | 9 40 | 18 56 | 5 21 | 1 26 |
| S 4 | 23 10 | 16 28 | 1 18 | 25 40 | 2 14 | 14 59 | 1 51 | 16 43 | 1 32 | 22 32 | 0 21 | 5 10 | 2 8 | 14 57 | 0 23 | 14 33 | 1 51 | 6 42 | 12 49 | 10 15 | 9 39 | 18 53 | 5 21 | 1 26 |
| M 5 | 23 14 | 21 13 | 2 23 | 25 36 | 2 13 | 15 22 | 1 49 | 16 43 | 1 33 | 22 34 | 0 21 | 5 9 | 2 8 | 14 58 | 0 23 | 14 32 | 1 51 | 6 42 | 12 49 | 10 14 | 9 37 | 18 51 | 5 21 | 1 26 |
| T 6 | 23 18 | 24 52 | 3 20 | 25 31 | 2 13 | 15 43 | 1 48 | 16 44 | 1 35 | 22 35 | 0 21 | 5 9 | 2 8 | 14 59 | 0 23 | 14 32 | 1 51 | 6 42 | 12 49 | 10 12 | 9 36 | 18 48 | 5 20 | 1 26 |
| W 7 | 23 21 | 27 13 | 4 5 | 25 24 | 2 11 | 16 5 | 1 46 | 16 45 | 1 36 | 22 37 | 0 21 | 5 8 | 2 9 | 15 0 | 0 23 | 14 32 | 1 51 | 6 42 | 12 49 | 10 9 | 9 35 | 18 46 | 5 20 | 1 26 |
| T 8 | 23 24 | 28 8 | 4 38 | 25 15 | 2 9 | 16 26 | 1 45 | 16 46 | 1 37 | 22 38 | 0 20 | 5 8 | 2 9 | 15 1 | 0 23 | 14 31 | 1 50 | 6 42 | 12 49 | 10 5 | 9 34 | 18 43 | 5 20 | 1 26 |
| F 9 | 23 27 | 27 37 | 4 58 | 25 5 | 2 7 | 16 46 | 1 43 | 16 48 | 1 38 | 22 39 | 0 20 | 5 8 | 2 9 | 15 2 | 0 23 | 14 31 | 1 50 | 6 42 | 12 48 | 10 0 | 9 33 | 18 41 | 5 20 | 1 25 |
| S 10 | 23 28 | 25 47 | 5 3 | 24 53 | 2 3 | 17 7 | 1 42 | 16 49 | 1 39 | 22 40 | 0 20 | 5 7 | 2 9 | 15 3 | 0 23 | 14 31 | 1 50 | 6 42 | 12 48 | 9 56 | 9 32 | 18 38 | 5 19 | 1 25 |
| S 11 | 23 30 | 22 48 | 4 55 | 24 39 | 1 59 | 17 26 | 1 40 | 16 51 | 1 40 | 22 42 | 0 20 | 5 7 | 2 10 | 15 4 | 0 23 | 14 30 | 1 50 | 6 42 | 12 48 | 9 52 | 9 30 | 18 35 | 5 19 | 1 25 |
| M12 | 23 31 | 18 54 | 4 34 | 24 24 | 1 55 | 17 46 | 1 38 | 16 53 | 1 41 | 22 43 | 0 20 | 5 7 | 2 10 | 15 5 | 0 23 | 14 30 | 1 50 | 6 41 | 12 48 | 9 49 | 9 29 | 18 33 | 5 19 | 1 25 |
| T 13 | 23 31 | 14 17 | 4 1 | 24 8 | 1 49 | 18 5 | 1 36 | 16 56 | 1 42 | 22 44 | 0 20 | 5 6 | 2 10 | 15 5 | 0 23 | 14 30 | 1 50 | 6 41 | 12 48 | 9 46 | 9 28 | 18 30 | 5 19 | 1 25 |
| W14 | 23 31 | 9 8 | 3 18 | 23 51 | 1 43 | 18 23 | 1 34 | 16 58 | 1 43 | 22 45 | 0 20 | 5 6 | 2 11 | 15 6 | 0 23 | 14 29 | 1 50 | 6 41 | 12 48 | 9 45 | 9 27 | 18 28 | 5 19 | 1 25 |
| T 15 | 23 31 | 3 38 | 2 26 | 23 32 | 1 35 | 18 41 | 1 32 | 17 1 | 1 44 | 22 47 | 0 20 | 5 6 | 2 11 | 15 7 | 0 23 | 14 29 | 1 50 | 6 41 | 12 47 | 9 45 | 9 26 | 18 25 | 5 19 | 1 25 |
| F 16 | 23 30 | 2n 5 | 1 27 | 23 12 | 1 27 | 18 58 | 1 30 | 17 3 | 1 45 | 22 48 | 0 20 | 5 6 | 2 11 | 15 8 | 0 23 | 14 29 | 1 50 | 6 41 | 12 47 | 9 45 | 9 25 | 18 22 | 5 18 | 1 24 |
| S 17 | 23 28 | 7 50 | 0 22 | 22 51 | 1 18 | 19 15 | 1 28 | 17 6 | 1 46 | 22 49 | 0 20 | 5 6 | 2 11 | 15 9 | 0 23 | 14 29 | 1 50 | 6 41 | 12 47 | 9 45 | 9 23 | 18 20 | 5 18 | 1 24 |
| S 18 | 23 26 | 13 27 | 0n45 | 22 30 | 1 8 | 19 32 | 1 26 | 17 10 | 1 46 | 22 50 | 0 20 | 5 6 | 2 12 | 15 10 | 0 23 | 14 28 | 1 50 | 6 41 | 12 47 | 9 45 | 9 22 | 18 17 | 5 18 | 1 24 |
| M19 | 23 24 | 18 40 | 1 52 | 22 8 | 0 56 | 19 48 | 1 24 | 17 13 | 1 47 | 22 51 | 0 20 | 5 6 | 2 12 | 15 10 | 0 23 | 14 28 | 1 50 | 6 41 | 12 46 | 9 44 | 9 21 | 18 14 | 5 18 | 1 24 |
| T 20 | 23 21 | 23 7 | 2 55 | 21 46 | 0 44 | 20 3 | 1 21 | 17 16 | 1 48 | 22 52 | 0 19 | 5 6 | 2 12 | 15 11 | 0 23 | 14 28 | 1 50 | 6 41 | 12 46 | 9 42 | 9 20 | 18 12 | 5 18 | 1 24 |
| W21 | 23 18 | 26 23 | 3 49 | 21 24 | 0 30 | 20 18 | 1 19 | 17 20 | 1 48 | 22 53 | 0 19 | 5 6 | 2 13 | 15 12 | 0 23 | 14 28 | 1 50 | 6 42 | 12 46 | 9 40 | 9 19 | 18 9 | 5 18 | 1 24 |
| T 22 | 23 14 | 28 2 | 4 31 | 21 2 | 0 15 | 20 32 | 1 17 | 17 24 | 1 49 | 22 54 | 0 19 | 5 6 | 2 13 | 15 13 | 0 23 | 14 28 | 1 50 | 6 42 | 12 46 | 9 36 | 9 17 | 18 6 | 5 18 | 1 23 |
| F 23 | 23 10 | 27 43 | 4 55 | 20 40 | 0n 0 | 20 46 | 1 14 | 17 28 | 1 49 | 22 55 | 0 19 | 5 6 | 2 13 | 15 13 | 0 23 | 14 27 | 1 50 | 6 42 | 12 46 | 9 32 | 9 16 | 18 4 | 5 19 | 1 23 |
| S 24 | 23 5 | 25 25 | 5 0 | 20 20 | 0 17 | 20 59 | 1 12 | 17 32 | 1 50 | 22 56 | 0 19 | 5 6 | 2 13 | 15 14 | 0 23 | 14 27 | 1 50 | 6 42 | 12 45 | 9 28 | 9 15 | 18 1 | 5 19 | 1 23 |
| S 25 | 23 0 | 21 21 | 4 44 | 20 1 | 0 35 | 21 11 | 1 10 | 17 36 | 1 51 | 22 57 | 0 19 | 5 7 | 2 14 | 15 15 | 0 23 | 14 27 | 1 50 | 6 42 | 12 45 | 9 24 | 9 14 | 17 58 | 5 19 | 1 23 |
| M26 | 22 54 | 15 57 | 4 9 | 19 43 | 0 53 | 21 23 | 1 7 | 17 40 | 1 51 | 22 58 | 0 19 | 5 7 | 2 14 | 15 16 | 0 23 | 14 27 | 1 50 | 6 42 | 12 45 | 9 21 | 9 13 | 17 56 | 5 19 | 1 23 |
| T 27 | 22 48 | 9 43 | 3 18 | 19 27 | 1 12 | 21 34 | 1 5 | 17 45 | 1 52 | 22 59 | 0 19 | 5 7 | 2 14 | 15 16 | 0 23 | 14 27 | 1 49 | 6 42 | 12 45 | 9 19 | 9 12 | 17 53 | 5 19 | 1 23 |
| W28 | 22 42 | 3 7 | 2 15 | 19 13 | 1 31 | 21 45 | 1 2 | 17 49 | 1 52 | 22 59 | 0 19 | 5 8 | 2 15 | 15 17 | 0 23 | 14 27 | 1 49 | 6 42 | 12 44 | 9 18 | 9 10 | 17 50 | 5 19 | 1 23 |
| T 29 | 22 35 | 3s29 | 1 6 | 19 2 | 1 49 | 21 55 | 0 59 | 17 54 | 1 52 | 23 0 | 0 19 | 5 8 | 2 15 | 15 18 | 0 23 | 14 27 | 1 49 | 6 42 | 12 44 | 9 17 | 9 9 | 17 48 | 5 19 | 1 22 |
| F 30 | 22 27 | 9 46 | 0s 6 | 18 53 | 2 8 | 22 4 | 0 57 | 17 59 | 1 53 | 23 1 | 0 19 | 5 9 | 2 15 | 15 18 | 0 23 | 14 26 | 1 49 | 6 42 | 12 44 | 9 17 | 9 8 | 17 45 | 5 20 | 1 22 |
| S 31 | 22s19 | 15s28 | 1s15 | 18s46 | 2n25 | 22s13 | 0n54 | 18n 4 | 1n53 | 23s 2 | 0n19 | 5n 9 | 2n15 | 15s19 | 0n23 | 14n26 | 1s49 | 6n42 | 12s44 | 9n17 | 9n 7 | 17s42 | 5n20 | 1n22 |

Julian Day Number = 2229089.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'38, Lahiri = 15°21'39 Julian Calendar 1 Dec. 1390 == Greg. Calendar 9 Dec. 1390


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## JANUARY 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 13 25 | 18♉54'07 | 21♏12 | 24°R11 | 20♐54 | 14♑50 | 23♐18 | 22°R15 | 12♏41 | 14°R16 | 24°R58 | 23°R48 | 23♈20 | 24♒12 | 10♈17 | S 1 |
| M 2 | 7 17 22 | 19°55'14 | 4♐ 0 | 23♉ 0 | 22° 9 | 15° 6 | 23°31 | 22♍14 | 12°43 | 14♑16 | 24♑57 | 23♈43 | 23°17 | 24°19 | 10°18 | M 2 |
| T 3 | 7 21 18 | 20°56'21 | 16°36 | 21°44 | 23°23 | 15°23 | 23°44 | 22°13 | 12°45 | 14°15 | 24°56 | 23°35 | 23°14 | 24°26 | 10°19 | T 3 |
| W 4 | 7 25 15 | 21°57'27 | 29° 2 | 20°26 | 24°38 | 15°40 | 23°57 | 22°12 | 12°46 | 14°15 | 24°56 | 23°24 | 23°11 | 24°32 | 10°20 | W 4 |
| T 5 | 7 29 11 | 22°58'33 | 11♉19 | 19°10 | 25°52 | 15°58 | 24°10 | 22°10 | 12°48 | 14°14 | 24°55 | 23°10 | 23° 7 | 24°39 | 10°21 | T 5 |
| F 6 | 7 33 8 | 23°59'37 | 23°29 | 17°56 | 27° 7 | 16°16 | 24°23 | 22° 9 | 12°50 | 14°14 | 24°55 | 22°55 | 23° 4 | 24°46 | 10°23 | F 6 |
| S 7 | 7 37 5 | 25° 0'41 | 5♒31 | 16°47 | 28°22 | 16°35 | 24°36 | 22° 8 | 12°52 | 14°14 | 24°54 | 22°40 | 23° 1 | 24°52 | 10°24 | S 7 |
| S 8 | 7 41 1 | 26° 1'44 | 17°27 | 15°44 | 29°36 | 16°54 | 24°48 | 22° 6 | 12°54 | 14°13 | 24°54 | 22°26 | 22°58 | 24°59 | 10°26 | S 8 |
| M 9 | 7 44 58 | 27° 2'46 | 29°18 | 14°49 | 0♉51 | 17°13 | 25° 1 | 22° 4 | 12°55 | 14°13 | 24°53 | 22°15 | 22°55 | 25° 6 | 10°27 | M 9 |
| T 10 | 7 48 54 | 28° 3'47 | 11♓ 7 | 14° 2 | 2° 5 | 17°33 | 25°14 | 22° 3 | 12°57 | 14°13 | 24°53 | 22° 6 | 22°51 | 25°12 | 10°29 | T 10 |
| W11 | 7 52 51 | 29° 4'47 | 22°56 | 13°24 | 3°20 | 17°53 | 25°26 | 22° 1 | 12°58 | 14°13 | 24°52 | 22° 0 | 22°48 | 25°19 | 10°30 | W11 |
| T 12 | 7 56 47 | 0♒ 5'45 | 4♈49 | 12°54 | 4°35 | 18°14 | 25°39 | 21°59 | 13° 0 | 14°12 | 24°52 | 21°57 | 22°45 | 25°26 | 10°32 | T 12 |
| F 13 | 8 0 44 | 1° 6'43 | 16°51 | 12°34 | 5°49 | 18°35 | 25°51 | 21°57 | 13° 1 | 14°12 | 24°52 | 21°56 | 22°42 | 25°33 | 10°34 | F 13 |
| S 14 | 8 4 40 | 2° 7'39 | 29° 7 | 12°22 | 7° 4 | 18°56 | 26° 4 | 21°55 | 13° 3 | 14°12 | 24°51 | 21°56 | 22°39 | 25°39 | 10°36 | S 14 |
| S 15 | 8 8 37 | 3° 8'33 | 11♑42 | 12°D18 | 8°18 | 19°18 | 26°16 | 21°53 | 13° 4 | 14°12 | 24°51 | 21°55 | 22°36 | 25°46 | 10°37 | S 15 |
| M16 | 8 12 34 | 4° 9'27 | 24°42 | 12°22 | 9°33 | 19°40 | 26°28 | 21°50 | 13° 5 | 14°D12 | 24°51 | 21°54 | 22°32 | 25°53 | 10°39 | M16 |
| T 17 | 8 16 30 | 5°10'19 | 8♊10 | 12°33 | 10°48 | 20° 2 | 26°41 | 21°48 | 13° 7 | 14°12 | 24°50 | 21°50 | 22°29 | 25°59 | 10°41 | T 17 |
| W18 | 8 20 27 | 6°11'09 | 22° 9 | 12°51 | 12° 2 | 20°25 | 26°53 | 21°45 | 13° 8 | 14°12 | 24°50 | 21°44 | 22°26 | 26° 6 | 10°43 | W18 |
| T 19 | 8 24 23 | 7°11'59 | 6♋37 | 13°15 | 13°17 | 20°48 | 27° 5 | 21°43 | 13° 9 | 14°12 | 24°50 | 21°35 | 22°23 | 26°13 | 10°45 | T 19 |
| F 20 | 8 28 20 | 8°12'46 | 21°31 | 13°44 | 14°32 | 21°12 | 27°17 | 21°40 | 13°10 | 14°12 | 24°50 | 21°24 | 22°20 | 26°19 | 10°47 | F 20 |
| S 21 | 8 32 16 | 9°13'33 | 6♌42 | 14°19 | 15°46 | 21°35 | 27°29 | 21°37 | 13°11 | 14°13 | 24°49 | 21°13 | 22°17 | 26°26 | 10°49 | S 21 |
| S 22 | 8 36 13 | 10°14'18 | 22° 0 | 14°58 | 17° 1 | 21°59 | 27°41 | 21°34 | 13°12 | 14°13 | 24°49 | 21° 3 | 22°13 | 26°33 | 10°51 | S 22 |
| M23 | 8 40 9 | 11°15'01 | 7♍14 | 15°41 | 18°15 | 22°23 | 27°52 | 21°31 | 13°13 | 14°13 | 24°49 | 20°55 | 22°10 | 26°40 | 10°54 | M23 |
| T 24 | 8 44 6 | 12°15'44 | 22°13 | 16°29 | 19°30 | 22°48 | 28° 4 | 21°28 | 13°14 | 14°13 | 24°49 | 20°49 | 22° 7 | 26°46 | 10°56 | T 24 |
| W25 | 8 48 3 | 13°16'25 | 6♎49 | 17°20 | 20°45 | 23°12 | 28°16 | 21°25 | 13°15 | 14°14 | 24°49 | 20°46 | 22° 4 | 26°53 | 10°58 | W25 |
| T 26 | 8 51 59 | 14°17'05 | 21° 0 | 18°15 | 21°59 | 23°37 | 28°27 | 21°22 | 13°15 | 14°14 | 24°49 | 20°D45 | 22° 1 | 27° 0 | 11° 1 | T 26 |
| F 27 | 8 55 56 | 15°17'44 | 4♏45 | 19°12 | 23°14 | 24° 3 | 28°39 | 21°19 | 13°16 | 14°14 | 24°48 | 20°46 | 21°57 | 27° 6 | 11° 3 | F 27 |
| S 28 | 8 59 52 | 16°18'22 | 18° 5 | 20°12 | 24°29 | 24°28 | 28°50 | 21°15 | 13°17 | 14°15 | 24°48 | 20°R46 | 21°54 | 27°13 | 11° 5 | S 28 |
| S 29 | 9 3 49 | 17°18'58 | 1♐ 2 | 21°15 | 25°43 | 24°54 | 29° 2 | 21°12 | 13°17 | 14°15 | 24°48 | 20°45 | 21°51 | 27°20 | 11° 8 | S 29 |
| M30 | 9 7 45 | 18°19'34 | 13°42 | 22°21 | 26°58 | 25°20 | 29°13 | 21° 8 | 13°18 | 14°15 | 24°D48 | 20°42 | 21°48 | 27°26 | 11°10 | M30 |
| T 31 | 9 11 42 | 19♒20'08 | 26♐ 8 | 23♉28 | 28♉13 | 25♑46 | 29♐24 | 21♍ 5 | 13♏18 | 14♑16 | 24♑48 | 20♈36 | 21♈45 | 27♒33 | 11♈13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s11 | 20s21 | 2s19 | 18s42 | 2n41 | 22s21 | 0n52 | 18n 9 | 1n53 | 23s 3 | 0n19 | 5n10 | 2n16 | 15s19 | 0n23 | 14n26 | 1s49 | 6n42 | 12s43 | 9n16 | 9n 6 | 17s40 | 5n20 | 1n22 |
| M 2 | 22 2 | 24 12 | 3 15 | 18 40 | 2 55 | 22 28 | 0 49 | 18 14 | 1 54 | 23 3 | 0 18 | 5 10 | 2 16 | 15 20 | 0 23 | 14 26 | 1 49 | 6 42 | 12 43 | 9 14 | 9 5 | 17 37 | 5 21 | 1 22 |
| T 3 | 21 53 | 26 49 | 4 0 | 18 40 | 3 8 | 22 35 | 0 46 | 18 19 | 1 54 | 23 4 | 0 18 | 5 11 | 2 16 | 15 21 | 0 23 | 14 26 | 1 49 | 6 43 | 12 43 | 9 11 | 9 3 | 17 34 | 5 21 | 1 22 |
| W 4 | 21 43 | 28 4 | 4 33 | 18 42 | 3 18 | 22 41 | 0 44 | 18 25 | 1 54 | 23 5 | 0 18 | 5 12 | 2 16 | 15 21 | 0 23 | 14 26 | 1 49 | 6 43 | 12 43 | 9 7 | 9 2 | 17 32 | 5 21 | 1 21 |
| T 5 | 21 33 | 27 54 | 4 53 | 18 46 | 3 25 | 22 47 | 0 41 | 18 30 | 1 55 | 23 5 | 0 18 | 5 12 | 2 17 | 15 22 | 0 23 | 14 26 | 1 49 | 6 43 | 12 42 | 9 2 | 9 1 | 17 29 | 5 22 | 1 21 |
| F 6 | 21 23 | 26 23 | 4 59 | 18 51 | 3 30 | 22 51 | 0 38 | 18 35 | 1 55 | 23 6 | 0 18 | 5 13 | 2 17 | 15 22 | 0 23 | 14 26 | 1 49 | 6 43 | 12 42 | 8 57 | 9 0 | 17 26 | 5 22 | 1 21 |
| S 7 | 21 12 | 23 40 | 4 52 | 18 57 | 3 33 | 22 55 | 0 35 | 18 41 | 1 55 | 23 7 | 0 18 | 5 14 | 2 17 | 15 23 | 0 23 | 14 26 | 1 49 | 6 43 | 12 42 | 8 51 | 8 59 | 17 23 | 5 22 | 1 21 |
| S 8 | 21 1 | 19 58 | 4 32 | 19 4 | 3 33 | 22 59 | 0 33 | 18 47 | 1 55 | 23 7 | 0 18 | 5 15 | 2 18 | 15 23 | 0 23 | 14 26 | 1 49 | 6 43 | 12 42 | 8 46 | 8 57 | 17 21 | 5 23 | 1 21 |
| M 9 | 20 49 | 15 30 | 4 0 | 19 12 | 3 31 | 23 1 | 0 30 | 18 53 | 1 55 | 23 8 | 0 18 | 5 16 | 2 18 | 15 24 | 0 23 | 14 26 | 1 49 | 6 43 | 12 41 | 8 41 | 8 56 | 17 18 | 5 23 | 1 21 |
| T 10 | 20 37 | 10 28 | 3 18 | 19 21 | 3 27 | 23 3 | 0 27 | 18 58 | 1 56 | 23 8 | 0 18 | 5 17 | 2 18 | 15 24 | 0 23 | 14 26 | 1 49 | 6 44 | 12 41 | 8 38 | 8 55 | 17 15 | 5 24 | 1 21 |
| W11 | 20 25 | 5 4 | 2 27 | 19 30 | 3 21 | 23 4 | 0 24 | 19 4 | 1 56 | 23 9 | 0 18 | 5 18 | 2 18 | 15 25 | 0 24 | 14 26 | 1 49 | 6 44 | 12 41 | 8 36 | 8 54 | 17 13 | 5 24 | 1 20 |
| T 12 | 20 12 | 0n33 | 1 29 | 19 40 | 3 14 | 23 5 | 0 22 | 19 10 | 1 56 | 23 9 | 0 18 | 5 19 | 2 19 | 15 25 | 0 24 | 14 26 | 1 49 | 6 44 | 12 41 | 8 35 | 8 53 | 17 10 | 5 25 | 1 20 |
| F 13 | 19 59 | 6 14 | 0 27 | 19 50 | 3 6 | 23 5 | 0 19 | 19 16 | 1 56 | 23 10 | 0 18 | 5 20 | 2 19 | 15 26 | 0 24 | 14 26 | 1 48 | 6 44 | 12 40 | 8 34 | 8 52 | 17 7 | 5 25 | 1 20 |
| S 14 | 19 45 | 11 47 | 0n38 | 20 0 | 2 57 | 23 4 | 0 16 | 19 22 | 1 56 | 23 10 | 0 18 | 5 21 | 2 19 | 15 26 | 0 24 | 14 26 | 1 48 | 6 44 | 12 40 | 8 34 | 8 50 | 17 4 | 5 26 | 1 20 |
| S 15 | 19 31 | 17 1 | 1 43 | 20 10 | 2 47 | 23 2 | 0 13 | 19 28 | 1 56 | 23 11 | 0 18 | 5 22 | 2 19 | 15 26 | 0 24 | 14 26 | 1 48 | 6 44 | 12 40 | 8 34 | 8 49 | 17 2 | 5 27 | 1 20 |
| M16 | 19 17 | 21 40 | 2 44 | 20 20 | 2 37 | 23 0 | 0 10 | 19 34 | 1 56 | 23 11 | 0 17 | 5 23 | 2 20 | 15 27 | 0 24 | 14 26 | 1 48 | 6 45 | 12 39 | 8 34 | 8 48 | 16 59 | 5 27 | 1 20 |
| T 17 | 19 2 | 25 21 | 3 39 | 20 30 | 2 26 | 22 57 | 0 8 | 19 41 | 1 56 | 23 11 | 0 17 | 5 24 | 2 20 | 15 27 | 0 24 | 14 26 | 1 48 | 6 45 | 12 39 | 8 32 | 8 47 | 16 56 | 5 28 | 1 20 |
| W18 | 18 47 | 27 39 | 4 23 | 20 39 | 2 15 | 22 53 | 0 5 | 19 47 | 1 56 | 23 12 | 0 17 | 5 26 | 2 20 | 15 27 | 0 24 | 14 26 | 1 48 | 6 45 | 12 39 | 8 30 | 8 46 | 16 53 | 5 28 | 1 19 |
| T 19 | 18 32 | 28 12 | 4 51 | 20 48 | 2 4 | 22 49 | 0 2 | 19 53 | 1 56 | 23 12 | 0 17 | 5 27 | 2 20 | 15 28 | 0 24 | 14 26 | 1 48 | 6 45 | 12 39 | 8 26 | 8 44 | 16 50 | 5 29 | 1 19 |
| F 20 | 18 16 | 26 45 | 5 1 | 20 56 | 1 53 | 22 44 | 0s 0 | 19 59 | 1 56 | 23 12 | 0 17 | 5 28 | 2 21 | 15 28 | 0 24 | 14 26 | 1 48 | 6 46 | 12 38 | 8 22 | 8 43 | 16 48 | 5 30 | 1 19 |
| S 21 | 18 0 | 23 21 | 4 51 | 21 4 | 1 42 | 22 38 | 0 3 | 20 6 | 1 56 | 23 13 | 0 17 | 5 29 | 2 21 | 15 28 | 0 24 | 14 26 | 1 48 | 6 46 | 12 38 | 8 18 | 8 42 | 16 45 | 5 30 | 1 19 |
| S 22 | 17 44 | 18 18 | 4 19 | 21 11 | 1 30 | 22 32 | 0 6 | 20 12 | 1 56 | 23 13 | 0 17 | 5 31 | 2 21 | 15 29 | 0 24 | 14 26 | 1 48 | 6 46 | 12 38 | 8 14 | 8 41 | 16 42 | 5 31 | 1 19 |
| M23 | 17 28 | 12 7 | 3 29 | 21 17 | 1 19 | 22 25 | 0 9 | 20 18 | 1 56 | 23 13 | 0 17 | 5 32 | 2 21 | 15 29 | 0 24 | 14 27 | 1 48 | 6 46 | 12 37 | 8 11 | 8 40 | 16 39 | 5 32 | 1 19 |
| T 24 | 17 11 | 5 20 | 2 25 | 21 22 | 1 8 | 22 17 | 0 11 | 20 24 | 1 56 | 23 13 | 0 17 | 5 34 | 2 22 | 15 29 | 0 24 | 14 27 | 1 48 | 6 47 | 12 37 | 8 9 | 8 38 | 16 36 | 5 33 | 1 19 |
| W25 | 16 54 | 1s36 | 1 13 | 21 27 | 0 57 | 22 8 | 0 14 | 20 31 | 1 56 | 23 14 | 0 17 | 5 35 | 2 22 | 15 29 | 0 24 | 14 27 | 1 48 | 6 47 | 12 37 | 8 8 | 8 37 | 16 34 | 5 33 | 1 18 |
| T 26 | 16 36 | 8 15 | 0s 1 | 21 30 | 0 47 | 21 59 | 0 16 | 20 37 | 1 56 | 23 14 | 0 17 | 5 36 | 2 22 | 15 30 | 0 24 | 14 27 | 1 48 | 6 47 | 12 36 | 8 8 | 8 36 | 16 31 | 5 34 | 1 18 |
| F 27 | 16 18 | 14 18 | 1 14 | 21 32 | 0 36 | 21 49 | 0 19 | 20 43 | 1 56 | 23 14 | 0 17 | 5 38 | 2 22 | 15 30 | 0 24 | 14 27 | 1 48 | 6 47 | 12 36 | 8 8 | 8 35 | 16 28 | 5 35 | 1 18 |
| S 28 | 16 0 | 19 31 | 2 20 | 21 34 | 0 26 | 21 39 | 0 21 | 20 50 | 1 56 | 23 14 | 0 17 | 5 39 | 2 22 | 15 30 | 0 24 | 14 27 | 1 47 | 6 48 | 12 36 | 8 8 | 8 34 | 16 25 | 5 36 | 1 18 |
| S 29 | 15 42 | 23 39 | 3 17 | 21 34 | 0 16 | 21 28 | 0 24 | 20 56 | 1 56 | 23 14 | 0 17 | 5 41 | 2 23 | 15 30 | 0 24 | 14 28 | 1 47 | 6 48 | 12 36 | 8 8 | 8 33 | 16 22 | 5 37 | 1 18 |
| M30 | 15 23 | 26 33 | 4 3 | 21 33 | 0 6 | 21 16 | 0 26 | 21 2 | 1 56 | 23 15 | 0 17 | 5 43 | 2 23 | 15 30 | 0 24 | 14 28 | 1 47 | 6 48 | 12 35 | 8 7 | 8 31 | 16 20 | 5 38 | 1 18 |
| T 31 | 15s 4 | 28s 4 | 4s37 | 21s31 | 0s 3 | 21s 4 | 0s29 | 21n 8 | 1n56 | 23s15 | 0n16 | 5n44 | 2n23 | 15s30 | 0n24 | 14n28 | 1s47 | 6n48 | 12s35 | 8n 4 | 8n30 | 16s17 | 5n39 | 1n18 |

Julian Day Number = 2229120.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'42, Lahiri = 15°21'43 Julian Calendar 1 Jan. 1391 == Greg. Calendar 9 Jan. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## FEBRUARY 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 15 38 | 20♒20'41 | 8♑22 | 24♑38 | 29♑27 | 26♉13 | 29♐35 | 21°R 1 | 13♏19 | 14♉17 | 24♉48 | 20°R28 | 21♈42 | 27♒40 | 11♈16 | W 1 |
| T 2 | 9 19 35 | 21°21'12 | 20°27 | 25°49 | 0♒42 | 26°39 | 29°46 | 20♍57 | 13°19 | 14°17 | 24°48 | 20♈18 | 21°38 | 27°47 | 11°18 | T 2 |
| F 3 | 9 23 32 | 22°21'42 | 2♒27 | 27° 3 | 1°57 | 27° 6 | 29°57 | 20°54 | 13°19 | 14°18 | 24°49 | 20° 6 | 21°35 | 27°53 | 11°21 | F 3 |
| S 4 | 9 27 28 | 23°22'11 | 14°21 | 28°18 | 3°11 | 27°34 | 0♑ 8 | 20°50 | 13°20 | 14°18 | 24°49 | 19°54 | 21°32 | 28° 0 | 11°24 | S 4 |
| S 5 | 9 31 25 | 24°22'37 | 26°13 | 29°34 | 4°26 | 28° 1 | 0°18 | 20°46 | 13°20 | 14°19 | 24°49 | 19°44 | 21°29 | 28° 7 | 11°26 | S 5 |
| M 6 | 9 35 21 | 25°23'02 | 8♓ 3 | 0♒53 | 5°41 | 28°28 | 0°29 | 20°42 | 13°20 | 14°20 | 24°49 | 19°34 | 21°26 | 28°13 | 11°29 | M 6 |
| T 7 | 9 39 18 | 26°23'25 | 19°53 | 2°12 | 6°55 | 28°56 | 0°39 | 20°38 | 13°20 | 14°20 | 24°49 | 19°28 | 21°22 | 28°20 | 11°32 | T 7 |
| W 8 | 9 43 14 | 27°23'47 | 1♈45 | 3°33 | 8°10 | 29°24 | 0°50 | 20°34 | 13°R20 | 14°21 | 24°49 | 19°23 | 21°19 | 28°27 | 11°35 | W 8 |
| T 9 | 9 47 11 | 28°24'06 | 13°42 | 4°56 | 9°24 | 29°52 | 1° 0 | 20°29 | 13°20 | 14°22 | 24°49 | 19°D21 | 21°16 | 28°33 | 11°38 | T 9 |
| F 10 | 9 51 7 | 29°24'23 | 25°47 | 6°20 | 10°39 | 0♊21 | 1°10 | 20°25 | 13°20 | 14°23 | 24°50 | 19°22 | 21°13 | 28°40 | 11°41 | F 10 |
| S 11 | 9 55 4 | 0♓24'39 | 8♉ 4 | 7°45 | 11°54 | 0°49 | 1°20 | 20°21 | 13°20 | 14°24 | 24°50 | 19°23 | 21°10 | 28°47 | 11°44 | S 11 |
| S 12 | 9 59 1 | 1°24'52 | 20°38 | 9°11 | 13° 8 | 1°18 | 1°30 | 20°17 | 13°20 | 14°25 | 24°50 | 19°24 | 21° 7 | 28°53 | 11°47 | S 12 |
| M13 | 10 2 57 | 2°25'03 | 3♊33 | 10°38 | 14°23 | 1°47 | 1°40 | 20°12 | 13°19 | 14°25 | 24°50 | 19°R24 | 21° 3 | 29° 0 | 11°50 | M13 |
| T 14 | 10 6 54 | 3°25'13 | 16°53 | 12° 7 | 15°37 | 2°16 | 1°50 | 20° 8 | 13°19 | 14°26 | 24°51 | 19°23 | 21° 0 | 29° 7 | 11°53 | T 14 |
| W15 | 10 10 50 | 4°25'20 | 0♋41 | 13°37 | 16°52 | 2°45 | 1°59 | 20° 4 | 13°19 | 14°27 | 24°51 | 19°21 | 20°57 | 29°14 | 11°56 | W15 |
| T 16 | 10 14 47 | 5°25'25 | 14°58 | 15° 8 | 18° 7 | 3°14 | 2° 9 | 19°59 | 13°18 | 14°28 | 24°51 | 19°16 | 20°54 | 29°20 | 11°59 | T 16 |
| F 17 | 10 18 43 | 6°25'28 | 29°41 | 16°40 | 19°21 | 3°44 | 2°18 | 19°55 | 13°18 | 14°29 | 24°52 | 19°10 | 20°51 | 29°27 | 12° 2 | F 17 |
| S 18 | 10 22 40 | 7°25'28 | 14♌45 | 18°13 | 20°36 | 4°14 | 2°28 | 19°50 | 13°18 | 14°31 | 24°52 | 19° 3 | 20°48 | 29°34 | 12° 5 | S 18 |
| S 19 | 10 26 36 | 8°25'27 | 0♍ 0 | 19°48 | 21°50 | 4°43 | 2°37 | 19°45 | 13°17 | 14°32 | 24°53 | 18°57 | 20°44 | 29°40 | 12° 9 | S 19 |
| M20 | 10 30 33 | 9°25'23 | 15°18 | 21°23 | 23° 5 | 5°13 | 2°46 | 19°41 | 13°16 | 14°33 | 24°53 | 18°52 | 20°41 | 29°47 | 12°12 | M20 |
| T 21 | 10 34 30 | 10°25'18 | 0♎25 | 23° 0 | 24°19 | 5°43 | 2°55 | 19°36 | 13°16 | 14°34 | 24°53 | 18°49 | 20°38 | 29°54 | 12°15 | T 21 |
| W22 | 10 38 26 | 11°25'10 | 15°15 | 24°38 | 25°34 | 6°14 | 3° 4 | 19°32 | 13°15 | 14°35 | 24°54 | 18°D48 | 20°35 | 0♓ 0 | 12°18 | W22 |
| T 23 | 10 42 23 | 12°25'01 | 29°40 | 26°17 | 26°48 | 6°44 | 3°12 | 19°27 | 13°14 | 14°36 | 24°54 | 18°48 | 20°32 | 0° 7 | 12°22 | T 23 |
| F 24 | 10 46 19 | 13°24'51 | 13♏37 | 27°57 | 28° 3 | 7°14 | 3°21 | 19°22 | 13°13 | 14°38 | 24°55 | 18°50 | 20°28 | 0°14 | 12°25 | F 24 |
| S 25 | 10 50 16 | 14°24'38 | 27° 7 | 29°38 | 29°17 | 7°45 | 3°29 | 19°18 | 13°13 | 14°39 | 24°55 | 18°51 | 20°25 | 0°20 | 12°28 | S 25 |
| S 26 | 10 54 12 | 15°24'24 | 10♐12 | 1♓21 | 0♓32 | 8°16 | 3°38 | 19°13 | 13°12 | 14°40 | 24°56 | 18°R52 | 20°22 | 0°27 | 12°32 | S 26 |
| M27 | 10 58 9 | 16°24'08 | 22°54 | 3° 5 | 1°46 | 8°46 | 3°46 | 19° 8 | 13°11 | 14°42 | 24°57 | 18°52 | 20°19 | 0°34 | 12°35 | M27 |
| T 28 | 11 2 5 | 17♓23'51 | 5♑18 | 4♓50 | 3♓ 1 | 9♊17 | 3♑54 | 19♍ 3 | 13♏10 | 14♉43 | 24♉57 | 18♈51 | 20♈16 | 0♓41 | 12♈39 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14s45 | 28s12 | 4s57 | 21s28 | 0s12 | 20s51 | 0s31 | 21n15 | 1n56 | 23s15 | 0n16 | 5n46 | 2n23 | 15s31 | 0n24 | 14n28 | 1s47 | 6n49 | 12s35 | 8n 1 | 8n29 | 16s14 | 5n39 | 1n18 |
| T 2 | 14 26 | 26 57 | 5 4 | 21 24 | 0 21 | 20 37 | 0 34 | 21 21 | 1 56 | 23 15 | 0 16 | 5 47 | 2 23 | 15 31 | 0 24 | 14 28 | 1 47 | 6 49 | 12 34 | 7 57 | 8 28 | 16 11 | 5 40 | 1 17 |
| F 3 | 14 6 | 24 30 | 4 57 | 21 18 | 0 30 | 20 23 | 0 36 | 21 27 | 1 56 | 23 15 | 0 16 | 5 49 | 2 24 | 15 31 | 0 24 | 14 29 | 1 47 | 6 49 | 12 34 | 7 53 | 8 27 | 16 8 | 5 41 | 1 17 |
| S 4 | 13 47 | 20 59 | 4 37 | 21 11 | 0 38 | 20 8 | 0 38 | 21 33 | 1 55 | 23 15 | 0 16 | 5 51 | 2 24 | 15 31 | 0 24 | 14 29 | 1 47 | 6 50 | 12 34 | 7 49 | 8 25 | 16 5 | 5 42 | 1 17 |
| S 5 | 13 26 | 16 40 | 4 5 | 21 3 | 0 46 | 19 53 | 0 41 | 21 39 | 1 55 | 23 15 | 0 16 | 5 53 | 2 24 | 15 31 | 0 24 | 14 29 | 1 47 | 6 50 | 12 33 | 7 44 | 8 24 | 16 3 | 5 43 | 1 17 |
| M 6 | 13 6 | 11 43 | 3 23 | 20 54 | 0 53 | 19 37 | 0 43 | 21 46 | 1 55 | 23 15 | 0 16 | 5 54 | 2 24 | 15 31 | 0 24 | 14 29 | 1 47 | 6 50 | 12 33 | 7 41 | 8 23 | 16 0 | 5 44 | 1 17 |
| T 7 | 12 46 | 6 20 | 2 31 | 20 43 | 1 1 | 19 20 | 0 45 | 21 52 | 1 55 | 23 15 | 0 16 | 5 56 | 2 24 | 15 31 | 0 24 | 14 30 | 1 47 | 6 51 | 12 33 | 7 38 | 8 22 | 15 57 | 5 45 | 1 17 |
| W 8 | 12 25 | 0 44 | 1 33 | 20 31 | 1 8 | 19 3 | 0 47 | 21 58 | 1 55 | 23 15 | 0 16 | 5 58 | 2 24 | 15 31 | 0 24 | 14 30 | 1 47 | 6 51 | 12 33 | 7 37 | 8 21 | 15 54 | 5 46 | 1 17 |
| T 9 | 12 4 | 4n57 | 0 30 | 20 18 | 1 14 | 18 45 | 0 49 | 22 4 | 1 55 | 23 15 | 0 16 | 6 0 | 2 25 | 15 31 | 0 24 | 14 30 | 1 47 | 6 51 | 12 32 | 7 36 | 8 19 | 15 51 | 5 47 | 1 17 |
| F 10 | 11 43 | 10 32 | 0n35 | 20 3 | 1 21 | 18 27 | 0 51 | 22 10 | 1 55 | 23 15 | 0 16 | 6 1 | 2 25 | 15 31 | 0 24 | 14 31 | 1 47 | 6 52 | 12 32 | 7 36 | 8 18 | 15 48 | 5 48 | 1 16 |
| S 11 | 11 22 | 15 49 | 1 39 | 19 48 | 1 27 | 18 8 | 0 53 | 22 15 | 1 54 | 23 15 | 0 16 | 6 3 | 2 25 | 15 31 | 0 24 | 14 31 | 1 47 | 6 52 | 12 32 | 7 37 | 8 17 | 15 45 | 5 49 | 1 16 |
| S 12 | 11 0 | 20 33 | 2 41 | 19 30 | 1 32 | 17 49 | 0 55 | 22 21 | 1 54 | 23 15 | 0 16 | 6 5 | 2 25 | 15 31 | 0 24 | 14 31 | 1 47 | 6 52 | 12 31 | 7 37 | 8 16 | 15 43 | 5 50 | 1 16 |
| M13 | 10 39 | 24 28 | 3 36 | 19 12 | 1 38 | 17 29 | 0 57 | 22 27 | 1 54 | 23 15 | 0 16 | 6 7 | 2 25 | 15 31 | 0 24 | 14 32 | 1 46 | 6 53 | 12 31 | 7 37 | 8 15 | 15 40 | 5 51 | 1 16 |
| T 14 | 10 17 | 27 12 | 4 21 | 18 52 | 1 43 | 17 9 | 0 59 | 22 33 | 1 54 | 23 15 | 0 16 | 6 9 | 2 25 | 15 31 | 0 24 | 14 32 | 1 46 | 6 53 | 12 31 | 7 37 | 8 13 | 15 37 | 5 53 | 1 16 |
| W15 | 9 55 | 28 24 | 4 53 | 18 30 | 1 47 | 16 48 | 1 1 | 22 38 | 1 54 | 23 15 | 0 15 | 6 11 | 2 25 | 15 30 | 0 24 | 14 32 | 1 46 | 6 53 | 12 31 | 7 36 | 8 12 | 15 34 | 5 54 | 1 16 |
| T 16 | 9 33 | 27 47 | 5 8 | 18 8 | 1 52 | 16 27 | 1 3 | 22 44 | 1 54 | 23 15 | 0 15 | 6 13 | 2 26 | 15 30 | 0 24 | 14 33 | 1 46 | 6 54 | 12 30 | 7 34 | 8 11 | 15 31 | 5 55 | 1 16 |
| F 17 | 9 11 | 25 14 | 5 4 | 17 44 | 1 55 | 16 5 | 1 4 | 22 49 | 1 53 | 23 15 | 0 15 | 6 14 | 2 26 | 15 30 | 0 24 | 14 33 | 1 46 | 6 54 | 12 30 | 7 32 | 8 10 | 15 28 | 5 56 | 1 16 |
| S 18 | 8 49 | 20 54 | 4 39 | 17 18 | 1 59 | 15 43 | 1 6 | 22 55 | 1 53 | 23 15 | 0 15 | 6 16 | 2 26 | 15 30 | 0 24 | 14 33 | 1 46 | 6 55 | 12 30 | 7 29 | 8 9 | 15 25 | 5 57 | 1 15 |
| S 19 | 8 26 | 15 9 | 3 54 | 16 51 | 2 2 | 15 20 | 1 8 | 23 0 | 1 53 | 23 14 | 0 15 | 6 18 | 2 26 | 15 30 | 0 24 | 14 34 | 1 46 | 6 55 | 12 29 | 7 27 | 8 7 | 15 22 | 5 58 | 1 15 |
| M20 | 8 4 | 8 27 | 2 52 | 16 23 | 2 5 | 14 57 | 1 9 | 23 6 | 1 53 | 23 14 | 0 15 | 6 20 | 2 26 | 15 30 | 0 24 | 14 34 | 1 46 | 6 55 | 12 29 | 7 25 | 8 6 | 15 19 | 5 59 | 1 15 |
| T 21 | 7 41 | 1 20 | 1 38 | 15 54 | 2 7 | 14 34 | 1 11 | 23 11 | 1 53 | 23 14 | 0 15 | 6 22 | 2 26 | 15 29 | 0 24 | 14 35 | 1 46 | 6 56 | 12 29 | 7 24 | 8 5 | 15 17 | 6 1 | 1 15 |
| W22 | 7 18 | 5s44 | 0 19 | 15 23 | 2 9 | 14 10 | 1 12 | 23 16 | 1 52 | 23 14 | 0 15 | 6 24 | 2 26 | 15 29 | 0 24 | 14 35 | 1 46 | 6 56 | 12 28 | 7 23 | 8 4 | 15 14 | 6 2 | 1 15 |
| T 23 | 6 55 | 12 19 | 0s59 | 14 50 | 2 10 | 13 46 | 1 13 | 23 21 | 1 52 | 23 14 | 0 15 | 6 26 | 2 26 | 15 29 | 0 24 | 14 35 | 1 46 | 6 56 | 12 28 | 7 23 | 8 3 | 15 11 | 6 3 | 1 15 |
| F 24 | 6 32 | 18 4 | 2 11 | 14 17 | 2 11 | 13 22 | 1 15 | 23 26 | 1 52 | 23 14 | 0 15 | 6 28 | 2 26 | 15 29 | 0 24 | 14 36 | 1 46 | 6 57 | 12 28 | 7 24 | 8 1 | 15 8 | 6 4 | 1 15 |
| S 25 | 6 9 | 22 43 | 3 14 | 13 42 | 2 12 | 12 57 | 1 16 | 23 31 | 1 52 | 23 14 | 0 15 | 6 30 | 2 27 | 15 28 | 0 24 | 14 36 | 1 46 | 6 57 | 12 28 | 7 25 | 8 0 | 15 5 | 6 5 | 1 15 |
| S 26 | 5 46 | 26 5 | 4 4 | 13 5 | 2 12 | 12 31 | 1 17 | 23 36 | 1 51 | 23 14 | 0 15 | 6 32 | 2 27 | 15 28 | 0 24 | 14 37 | 1 46 | 6 58 | 12 27 | 7 25 | 7 59 | 15 2 | 6 7 | 1 15 |
| M27 | 5 23 | 28 0 | 4 41 | 12 28 | 2 12 | 12 6 | 1 18 | 23 40 | 1 51 | 23 13 | 0 15 | 6 34 | 2 27 | 15 28 | 0 24 | 14 37 | 1 46 | 6 58 | 12 27 | 7 25 | 7 58 | 14 59 | 6 8 | 1 15 |
| T 28 | 5s 0 | 28s28 | 5s 4 | 11s48 | 2s11 | 11s40 | 1s19 | 23n45 | 1n51 | 23s13 | 0n15 | 6n36 | 2n27 | 15s28 | 0n24 | 14n38 | 1s46 | 6n58 | 12s27 | 7n24 | 7n57 | 14s56 | 6n 9 | 1n14 |

Julian Day Number = 2229151.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'47, Lahiri = 15°21'47 Julian Calendar 1 Feb. 1391 == Greg. Calendar 9 Feb. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## MARCH 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 6 2 | 18♓23'31 | 17♉28 | 6♓36 | 4♓15 | 9♊49 | 4♉ 2 | 18°R59 | 13°R 9 | 14♉44 | 24♉58 | 18°R48 | 20♈13 | 0♓47 | 12♈42 | W 1 |
| T 2 | 11 9 59 | 19°23'10 | 29°28 | 8°23 | 5°30 | 10°20 | 4°10 | 18♍54 | 13♏ 8 | 14°46 | 24°58 | 18♈44 | 20° 9 | 0°54 | 12°46 | T 2 |
| F 3 | 11 13 55 | 20°22'47 | 11♒22 | 10°12 | 6°44 | 10°51 | 4°17 | 18°49 | 13° 6 | 14°47 | 24°59 | 18°39 | 20° 6 | 1° 1 | 12°49 | F 3 |
| S 4 | 11 17 52 | 21°22'22 | 23°12 | 12° 2 | 7°59 | 11°22 | 4°25 | 18°45 | 13° 5 | 14°49 | 25° 0 | 18°34 | 20° 3 | 1° 7 | 12°53 | S 4 |
| S 5 | 11 21 48 | 22°21'55 | 5♓ 2 | 13°53 | 9°13 | 11°54 | 4°32 | 18°40 | 13° 4 | 14°50 | 25° 0 | 18°29 | 20° 0 | 1°14 | 12°56 | S 5 |
| M 6 | 11 25 45 | 23°21'26 | 16°53 | 15°45 | 10°28 | 12°26 | 4°39 | 18°35 | 13° 3 | 14°52 | 25° 1 | 18°25 | 19°57 | 1°21 | 13° 0 | M 6 |
| T 7 | 11 29 41 | 24°20'55 | 28°47 | 17°39 | 11°42 | 12°57 | 4°46 | 18°30 | 13° 1 | 14°53 | 25° 2 | 18°22 | 19°54 | 1°27 | 13° 3 | T 7 |
| W 8 | 11 33 38 | 25°20'22 | 10♈46 | 19°34 | 12°57 | 13°29 | 4°53 | 18°26 | 13° 0 | 14°55 | 25° 3 | 18°21 | 19°50 | 1°34 | 13° 7 | W 8 |
| T 9 | 11 37 34 | 26°19'46 | 22°53 | 21°30 | 14°11 | 14° 1 | 5° 0 | 18°21 | 12°59 | 14°57 | 25° 3 | 18°D21 | 19°47 | 1°41 | 13°10 | T 9 |
| F 10 | 11 41 31 | 27°19'09 | 5♉ 8 | 23°27 | 15°25 | 14°33 | 5° 7 | 18°16 | 12°57 | 14°58 | 25° 4 | 18°22 | 19°44 | 1°47 | 13°14 | F 10 |
| S 11 | 11 45 27 | 28°18'29 | 17°35 | 25°26 | 16°40 | 15° 5 | 5°13 | 18°12 | 12°56 | 15° 0 | 25° 5 | 18°23 | 19°41 | 1°54 | 13°18 | S 11 |
| S 12 | 11 49 24 | 29°17'47 | 0♊17 | 27°26 | 17°54 | 15°38 | 5°20 | 18° 7 | 12°54 | 15° 2 | 25° 6 | 18°25 | 19°38 | 2° 1 | 13°21 | S 12 |
| M13 | 11 53 21 | 0♈17'03 | 13°16 | 29°26 | 19° 8 | 16°10 | 5°26 | 18° 3 | 12°52 | 15° 3 | 25° 7 | 18°26 | 19°34 | 2° 8 | 13°25 | M13 |
| T 14 | 11 57 17 | 1°16'17 | 26°35 | 1♈28 | 20°23 | 16°42 | 5°32 | 17°58 | 12°51 | 15° 5 | 25° 8 | 18°R26 | 19°31 | 2°14 | 13°29 | T 14 |
| W15 | 12 1 14 | 2°15'28 | 10♋16 | 3°30 | 21°37 | 17°15 | 5°38 | 17°54 | 12°49 | 15° 7 | 25° 8 | 18°26 | 19°28 | 2°21 | 13°32 | W15 |
| T 16 | 12 5 10 | 3°14'37 | 24°19 | 5°34 | 22°51 | 17°47 | 5°43 | 17°49 | 12°47 | 15° 8 | 25° 9 | 18°26 | 19°25 | 2°28 | 13°36 | T 16 |
| F 17 | 12 9 7 | 4°13'43 | 8♌45 | 7°37 | 24° 6 | 18°20 | 5°49 | 17°45 | 12°46 | 15°10 | 25°10 | 18°24 | 19°22 | 2°34 | 13°40 | F 17 |
| S 18 | 12 13 3 | 5°12'47 | 23°29 | 9°42 | 25°20 | 18°53 | 5°54 | 17°40 | 12°44 | 15°12 | 25°11 | 18°23 | 19°19 | 2°41 | 13°43 | S 18 |
| S 19 | 12 17 0 | 6°11'49 | 8♍26 | 11°46 | 26°34 | 19°26 | 5°59 | 17°36 | 12°42 | 15°14 | 25°12 | 18°21 | 19°15 | 2°48 | 13°47 | S 19 |
| M20 | 12 20 56 | 7°10'48 | 23°28 | 13°50 | 27°49 | 19°59 | 6° 4 | 17°32 | 12°40 | 15°16 | 25°13 | 18°20 | 19°12 | 2°54 | 13°51 | M20 |
| T 21 | 12 24 53 | 8° 9'45 | 8♎26 | 15°54 | 29° 3 | 20°32 | 6° 9 | 17°27 | 12°38 | 15°18 | 25°14 | 18°19 | 19° 9 | 3° 1 | 13°54 | T 21 |
| W22 | 12 28 50 | 9° 8'40 | 23°13 | 17°57 | 0♈17 | 21° 5 | 6°14 | 17°23 | 12°36 | 15°19 | 25°15 | 18°D19 | 19° 6 | 3° 8 | 13°58 | W22 |
| T 23 | 12 32 46 | 10° 7'33 | 7♏41 | 19°59 | 1°31 | 21°38 | 6°19 | 17°19 | 12°34 | 15°21 | 25°16 | 18°19 | 19° 3 | 3°14 | 14° 2 | T 23 |
| F 24 | 12 36 43 | 11° 6'25 | 21°45 | 22° 0 | 2°46 | 22°11 | 6°23 | 17°15 | 12°32 | 15°23 | 25°17 | 18°20 | 19° 0 | 3°21 | 14° 6 | F 24 |
| S 25 | 12 40 39 | 12° 5'14 | 5♐23 | 23°59 | 4° 0 | 22°44 | 6°27 | 17°11 | 12°30 | 15°25 | 25°18 | 18°21 | 18°56 | 3°28 | 14° 9 | S 25 |
| S 26 | 12 44 36 | 13° 4'02 | 18°35 | 25°56 | 5°14 | 23°17 | 6°31 | 17° 7 | 12°28 | 15°27 | 25°19 | 18°21 | 18°53 | 3°34 | 14°13 | S 26 |
| M27 | 12 48 32 | 14° 2'48 | 1♑24 | 27°51 | 6°28 | 23°51 | 6°35 | 17° 3 | 12°26 | 15°29 | 25°20 | 18°22 | 18°50 | 3°41 | 14°17 | M27 |
| T 28 | 12 52 29 | 15° 1'33 | 13°52 | 29°43 | 7°42 | 24°24 | 6°39 | 16°59 | 12°24 | 15°31 | 25°21 | 18°R22 | 18°47 | 3°48 | 14°21 | T 28 |
| W29 | 12 56 25 | 16° 0'15 | 26° 4 | 1♉32 | 8°57 | 24°58 | 6°42 | 16°55 | 12°22 | 15°33 | 25°22 | 18°22 | 18°44 | 3°54 | 14°24 | W29 |
| T 30 | 13 0 22 | 16°58'56 | 8♒ 4 | 3°17 | 10°11 | 25°31 | 6°46 | 16°51 | 12°20 | 15°35 | 25°23 | 18°22 | 18°40 | 4° 1 | 14°28 | T 30 |
| F 31 | 13 4 19 | 17♈57'35 | 19♒56 | 4♉59 | 11♈25 | 26♊ 5 | 6♑49 | 16♍48 | 12♏18 | 15♉37 | 25♉24 | 18°D21 | 18♈37 | 4♓ 8 | 14♈32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s36 | 27s32 | 5s12 | 11s 8 | 2s10 | 11s14 | 1s20 | 23n49 | 1n51 | 23s13 | 0n15 | 6n37 | 2n27 | 15s27 | 0n24 | 14n38 | 1s46 | 6n59 | 12s27 | 7n23 | 7n55 | 14s53 | 6n10 | 1n14 |
| T 2 | 4 13 | 25 20 | 5 7 | 10 26 | 2 8 | 10 47 | 1 21 | 23 54 | 1 50 | 23 13 | 0 14 | 6 39 | 2 27 | 15 27 | 0 24 | 14 38 | 1 46 | 6 59 | 12 26 | 7 22 | 7 54 | 14 50 | 6 12 | 1 14 |
| F 3 | 3 49 | 22 3 | 4 48 | 9 43 | 2 6 | 10 20 | 1 22 | 23 58 | 1 50 | 23 13 | 0 14 | 6 41 | 2 27 | 15 27 | 0 24 | 14 39 | 1 45 | 7 0 | 12 26 | 7 20 | 7 53 | 14 47 | 6 13 | 1 14 |
| S 4 | 3 26 | 17 53 | 4 18 | 8 58 | 2 3 | 9 53 | 1 23 | 24 2 | 1 50 | 23 12 | 0 14 | 6 43 | 2 27 | 15 26 | 0 24 | 14 39 | 1 45 | 7 0 | 12 26 | 7 18 | 7 52 | 14 44 | 6 14 | 1 14 |
| S 5 | 3 2 | 13 2 | 3 36 | 8 12 | 2 0 | 9 26 | 1 24 | 24 6 | 1 50 | 23 12 | 0 14 | 6 45 | 2 27 | 15 26 | 0 24 | 14 40 | 1 45 | 7 1 | 12 25 | 7 16 | 7 51 | 14 41 | 6 16 | 1 14 |
| M 6 | 2 39 | 7 43 | 2 44 | 7 25 | 1 56 | 8 58 | 1 24 | 24 10 | 1 49 | 23 12 | 0 14 | 6 47 | 2 27 | 15 25 | 0 24 | 14 40 | 1 45 | 7 1 | 12 25 | 7 15 | 7 49 | 14 38 | 6 17 | 1 14 |
| T 7 | 2 15 | 2 6 | 1 46 | 6 37 | 1 52 | 8 30 | 1 25 | 24 14 | 1 49 | 23 12 | 0 14 | 6 49 | 2 27 | 15 25 | 0 24 | 14 41 | 1 45 | 7 1 | 12 25 | 7 14 | 7 48 | 14 35 | 6 18 | 1 14 |
| W 8 | 1 51 | 3n38 | 0 42 | 5 47 | 1 47 | 8 2 | 1 25 | 24 18 | 1 49 | 23 12 | 0 14 | 6 51 | 2 27 | 15 25 | 0 24 | 14 41 | 1 45 | 7 2 | 12 25 | 7 13 | 7 47 | 14 32 | 6 19 | 1 14 |
| T 9 | 1 28 | 9 19 | 0n25 | 4 57 | 1 42 | 7 34 | 1 26 | 24 22 | 1 49 | 23 12 | 0 14 | 6 53 | 2 27 | 15 24 | 0 24 | 14 42 | 1 45 | 7 2 | 12 24 | 7 13 | 7 46 | 14 29 | 6 21 | 1 14 |
| F 10 | 1 4 | 14 43 | 1 31 | 4 5 | 1 36 | 7 5 | 1 26 | 24 25 | 1 48 | 23 11 | 0 14 | 6 54 | 2 27 | 15 24 | 0 24 | 14 42 | 1 45 | 7 3 | 12 24 | 7 13 | 7 45 | 14 26 | 6 22 | 1 13 |
| S 11 | 0 41 | 19 36 | 2 34 | 3 12 | 1 30 | 6 37 | 1 27 | 24 29 | 1 48 | 23 11 | 0 14 | 6 56 | 2 27 | 15 23 | 0 24 | 14 43 | 1 45 | 7 3 | 12 24 | 7 14 | 7 43 | 14 24 | 6 23 | 1 13 |
| S 12 | 0 17 | 23 43 | 3 31 | 2 18 | 1 23 | 6 8 | 1 27 | 24 32 | 1 48 | 23 11 | 0 14 | 6 58 | 2 27 | 15 23 | 0 24 | 14 43 | 1 45 | 7 3 | 12 24 | 7 14 | 7 42 | 14 21 | 6 25 | 1 13 |
| M13 | 0n 7 | 26 45 | 4 19 | 1 23 | 1 16 | 5 39 | 1 27 | 24 35 | 1 48 | 23 11 | 0 14 | 7 0 | 2 27 | 15 22 | 0 24 | 14 44 | 1 45 | 7 4 | 12 23 | 7 15 | 7 41 | 14 18 | 6 26 | 1 13 |
| T 14 | 0 30 | 28 22 | 4 54 | 0 27 | 1 8 | 5 10 | 1 27 | 24 38 | 1 47 | 23 11 | 0 14 | 7 2 | 2 27 | 15 22 | 0 24 | 14 45 | 1 45 | 7 4 | 12 23 | 7 15 | 7 40 | 14 15 | 6 27 | 1 13 |
| W15 | 0 54 | 28 19 | 5 13 | 0n30 | 0 59 | 4 40 | 1 27 | 24 41 | 1 47 | 23 11 | 0 14 | 7 3 | 2 27 | 15 21 | 0 24 | 14 45 | 1 45 | 7 5 | 12 23 | 7 15 | 7 39 | 14 12 | 6 29 | 1 13 |
| T 16 | 1 18 | 26 29 | 5 14 | 1 27 | 0 50 | 4 11 | 1 27 | 24 44 | 1 47 | 23 10 | 0 13 | 7 5 | 2 27 | 15 21 | 0 24 | 14 46 | 1 45 | 7 5 | 12 23 | 7 15 | 7 37 | 14 9 | 6 30 | 1 13 |
| F 17 | 1 41 | 22 54 | 4 57 | 2 25 | 0 41 | 3 41 | 1 27 | 24 47 | 1 47 | 23 10 | 0 13 | 7 7 | 2 27 | 15 20 | 0 24 | 14 46 | 1 45 | 7 6 | 12 22 | 7 14 | 7 36 | 14 6 | 6 32 | 1 13 |
| S 18 | 2 5 | 17 48 | 4 19 | 3 23 | 0 31 | 3 12 | 1 27 | 24 49 | 1 46 | 23 10 | 0 13 | 7 9 | 2 27 | 15 20 | 0 24 | 14 47 | 1 45 | 7 6 | 12 22 | 7 14 | 7 35 | 14 3 | 6 33 | 1 13 |
| S 19 | 2 28 | 11 35 | 3 23 | 4 21 | 0 21 | 2 42 | 1 27 | 24 52 | 1 46 | 23 10 | 0 13 | 7 10 | 2 27 | 15 19 | 0 24 | 14 47 | 1 45 | 7 6 | 12 22 | 7 13 | 7 34 | 14 0 | 6 34 | 1 13 |
| M20 | 2 52 | 4 39 | 2 13 | 5 19 | 0 10 | 2 12 | 1 27 | 24 54 | 1 46 | 23 10 | 0 13 | 7 12 | 2 27 | 15 19 | 0 24 | 14 48 | 1 45 | 7 7 | 12 22 | 7 13 | 7 33 | 13 57 | 6 36 | 1 13 |
| T 21 | 3 15 | 2s31 | 0 55 | 6 17 | 0n 1 | 1 42 | 1 27 | 24 56 | 1 45 | 23 10 | 0 13 | 7 13 | 2 27 | 15 18 | 0 24 | 14 49 | 1 45 | 7 7 | 12 22 | 7 12 | 7 31 | 13 54 | 6 37 | 1 13 |
| W22 | 3 38 | 9 28 | 0s27 | 7 15 | 0 12 | 1 12 | 1 26 | 24 58 | 1 45 | 23 9 | 0 13 | 7 15 | 2 27 | 15 17 | 0 24 | 14 49 | 1 45 | 7 8 | 12 21 | 7 12 | 7 30 | 13 51 | 6 38 | 1 12 |
| T 23 | 4 1 | 15 47 | 1 45 | 8 12 | 0 23 | 0 42 | 1 26 | 25 0 | 1 45 | 23 9 | 0 13 | 7 17 | 2 27 | 15 17 | 0 24 | 14 50 | 1 45 | 7 8 | 12 21 | 7 12 | 7 29 | 13 47 | 6 40 | 1 12 |
| F 24 | 4 25 | 21 5 | 2 55 | 9 8 | 0 34 | 0 12 | 1 25 | 25 2 | 1 45 | 23 9 | 0 13 | 7 18 | 2 27 | 15 16 | 0 24 | 14 50 | 1 45 | 7 9 | 12 21 | 7 13 | 7 28 | 13 44 | 6 41 | 1 12 |
| S 25 | 4 48 | 25 5 | 3 52 | 10 3 | 0 46 | 0n18 | 1 25 | 25 3 | 1 44 | 23 9 | 0 13 | 7 20 | 2 27 | 15 16 | 0 24 | 14 51 | 1 44 | 7 9 | 12 21 | 7 13 | 7 27 | 13 41 | 6 43 | 1 12 |
| S 26 | 5 11 | 27 36 | 4 36 | 10 56 | 0 57 | 0 48 | 1 24 | 25 5 | 1 44 | 23 9 | 0 13 | 7 21 | 2 27 | 15 15 | 0 24 | 14 51 | 1 44 | 7 10 | 12 20 | 7 13 | 7 25 | 13 38 | 6 44 | 1 12 |
| M27 | 5 34 | 28 34 | 5 4 | 11 48 | 1 8 | 1 18 | 1 24 | 25 6 | 1 44 | 23 9 | 0 13 | 7 23 | 2 26 | 15 14 | 0 24 | 14 52 | 1 44 | 7 10 | 12 20 | 7 13 | 7 24 | 13 35 | 6 45 | 1 12 |
| T 28 | 5 56 | 28 2 | 5 16 | 12 38 | 1 19 | 1 48 | 1 23 | 25 7 | 1 43 | 23 9 | 0 13 | 7 24 | 2 26 | 15 14 | 0 24 | 14 53 | 1 44 | 7 10 | 12 20 | 7 13 | 7 23 | 13 32 | 6 47 | 1 12 |
| W29 | 6 19 | 26 9 | 5 14 | 13 27 | 1 30 | 2 18 | 1 22 | 25 8 | 1 43 | 23 9 | 0 12 | 7 26 | 2 26 | 15 13 | 0 24 | 14 53 | 1 44 | 7 11 | 12 20 | 7 13 | 7 22 | 13 29 | 6 48 | 1 12 |
| T 30 | 6 42 | 23 7 | 4 59 | 14 13 | 1 40 | 2 48 | 1 21 | 25 9 | 1 43 | 23 8 | 0 12 | 7 27 | 2 26 | 15 12 | 0 24 | 14 54 | 1 44 | 7 11 | 12 20 | 7 13 | 7 20 | 13 26 | 6 50 | 1 12 |
| F 31 | 7n 4 | 19s 9 | 4s31 | 14n57 | 1n50 | 3n18 | 1s20 | 25n10 | 1n42 | 23s 8 | 0n12 | 7n28 | 2n26 | 15s12 | 0n24 | 14n55 | 1s44 | 7n12 | 12s19 | 7n13 | 7n19 | 13s23 | 6n51 | 1n12 |

Julian Day Number = 2229179.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'51, Lahiri = 15°21'51 Julian Calendar 1 March 1391 == Greg. Calendar 9 March 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## APRIL 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 8 15 | 18♈56'13 | 1♓46 | 6♉37 | 12♈39 | 26♊39 | 6♑52 | 16°R44 | 12°R15 | 15♉39 | 25♉26 | 18♈21 | 18♈34 | 4♓15 | 14♈36 | S 1 |
| S 2 | 13 12 12 | 19°54'48 | 13°36 | 8°11 | 13°53 | 27°12 | 6°55 | 16♍40 | 12♏13 | 15°41 | 25°27 | 18°22 | 18°31 | 4°21 | 14°39 | S 2 |
| M 3 | 13 16 8 | 20°53'22 | 25°30 | 9°40 | 15° 7 | 27°46 | 6°57 | 16°37 | 12°11 | 15°43 | 25°28 | 18°22 | 18°28 | 4°28 | 14°43 | M 3 |
| T 4 | 13 20 5 | 21°51'54 | 7♈30 | 11° 5 | 16°21 | 28°20 | 7° 0 | 16°33 | 12° 9 | 15°45 | 25°29 | 18°22 | 18°25 | 4°35 | 14°47 | T 4 |
| W 5 | 13 24 1 | 22°50'24 | 19°40 | 12°26 | 17°36 | 28°54 | 7° 2 | 16°30 | 12° 6 | 15°47 | 25°30 | 18°R22 | 18°21 | 4°41 | 14°50 | W 5 |
| T 6 | 13 27 58 | 23°48'52 | 2♉ 0 | 13°42 | 18°50 | 29°28 | 7° 4 | 16°27 | 12° 4 | 15°50 | 25°31 | 18°22 | 18°18 | 4°48 | 14°54 | T 6 |
| F 7 | 13 31 54 | 24°47'18 | 14°32 | 14°52 | 20° 4 | 0♋ 2 | 7° 6 | 16°24 | 12° 2 | 15°52 | 25°32 | 18°21 | 18°15 | 4°55 | 14°58 | F 7 |
| S 8 | 13 35 51 | 25°45'42 | 27°18 | 15°58 | 21°18 | 0°36 | 7° 8 | 16°20 | 11°59 | 15°54 | 25°34 | 18°21 | 18°12 | 5° 1 | 15° 2 | S 8 |
| S 9 | 13 39 48 | 26°44'05 | 10♊17 | 16°59 | 22°32 | 1°10 | 7° 9 | 16°17 | 11°57 | 15°56 | 25°35 | 18°20 | 18° 9 | 5° 8 | 15° 5 | S 9 |
| M10 | 13 43 44 | 27°42'25 | 23°30 | 17°54 | 23°46 | 1°45 | 7°10 | 16°14 | 11°54 | 15°58 | 25°36 | 18°19 | 18° 5 | 5°15 | 15° 9 | M10 |
| T 11 | 13 47 41 | 28°40'43 | 6♋59 | 18°44 | 25° 0 | 2°19 | 7°12 | 16°12 | 11°52 | 16° 0 | 25°37 | 18°18 | 18° 2 | 5°21 | 15°13 | T 11 |
| W12 | 13 51 37 | 29°39'00 | 20°42 | 19°29 | 26°14 | 2°53 | 7°12 | 16° 9 | 11°50 | 16° 3 | 25°39 | 18°17 | 17°59 | 5°28 | 15°16 | W12 |
| T 13 | 13 55 34 | 0♉37'14 | 4♌41 | 20° 9 | 27°28 | 3°27 | 7°13 | 16° 6 | 11°47 | 16° 5 | 25°40 | 18°D17 | 17°56 | 5°35 | 15°20 | T 13 |
| F 14 | 13 59 30 | 1°35'25 | 18°53 | 20°43 | 28°42 | 4° 2 | 7°14 | 16° 4 | 11°45 | 16° 7 | 25°41 | 18°17 | 17°53 | 5°41 | 15°23 | F 14 |
| S 15 | 14 3 27 | 2°33'35 | 3♍16 | 21°12 | 29°56 | 4°36 | 7°14 | 16° 1 | 11°42 | 16° 9 | 25°42 | 18°18 | 17°50 | 5°48 | 15°27 | S 15 |
| S 16 | 14 7 23 | 3°31'43 | 17°49 | 21°35 | 1♉10 | 5°11 | 7°14 | 15°59 | 11°40 | 16°11 | 25°44 | 18°19 | 17°46 | 5°55 | 15°31 | S 16 |
| M17 | 14 11 20 | 4°29'49 | 2♎25 | 21°53 | 2°24 | 5°45 | 7°R14 | 15°56 | 11°37 | 16°13 | 25°45 | 18°20 | 17°43 | 6° 1 | 15°34 | M17 |
| T 18 | 14 15 17 | 5°27'53 | 17° 1 | 22° 6 | 3°38 | 6°20 | 7°14 | 15°54 | 11°35 | 16°16 | 25°46 | 18°R21 | 17°40 | 6° 8 | 15°38 | T 18 |
| W19 | 14 19 13 | 6°25'55 | 1♏29 | 22°13 | 4°52 | 6°55 | 7°14 | 15°52 | 11°32 | 16°18 | 25°47 | 18°20 | 17°37 | 6°15 | 15°41 | W19 |
| T 20 | 14 23 10 | 7°23'55 | 15°45 | 22°R15 | 6° 6 | 7°29 | 7°13 | 15°50 | 11°30 | 16°20 | 25°49 | 18°19 | 17°34 | 6°21 | 15°45 | T 20 |
| F 21 | 14 27 6 | 8°21'54 | 29°43 | 22°12 | 7°20 | 8° 4 | 7°12 | 15°48 | 11°27 | 16°22 | 25°50 | 18°17 | 17°31 | 6°28 | 15°48 | F 21 |
| S 22 | 14 31 3 | 9°19'51 | 13♐20 | 22° 4 | 8°34 | 8°39 | 7°12 | 15°46 | 11°25 | 16°25 | 25°51 | 18°14 | 17°27 | 6°35 | 15°52 | S 22 |
| S 23 | 14 34 59 | 10°17'47 | 26°34 | 21°51 | 9°47 | 9°14 | 7°10 | 15°44 | 11°22 | 16°27 | 25°53 | 18°11 | 17°24 | 6°42 | 15°55 | S 23 |
| M24 | 14 38 56 | 11°15'42 | 9♑26 | 21°34 | 11° 1 | 9°48 | 7° 9 | 15°42 | 11°20 | 16°29 | 25°54 | 18° 8 | 17°21 | 6°48 | 15°59 | M24 |
| T 25 | 14 42 52 | 12°13'35 | 21°57 | 21°13 | 12°15 | 10°23 | 7° 8 | 15°41 | 11°17 | 16°31 | 25°55 | 18° 5 | 17°18 | 6°55 | 16° 2 | T 25 |
| W26 | 14 46 49 | 13°11'27 | 4♒11 | 20°49 | 13°29 | 10°58 | 7° 6 | 15°39 | 11°15 | 16°34 | 25°57 | 18° 4 | 17°15 | 7° 2 | 16° 6 | W26 |
| T 27 | 14 50 46 | 14° 9'18 | 16°13 | 20°21 | 14°43 | 11°33 | 7° 4 | 15°38 | 11°12 | 16°36 | 25°58 | 18°D 4 | 17°11 | 7° 8 | 16° 9 | T 27 |
| F 28 | 14 54 42 | 15° 7'07 | 28° 6 | 19°51 | 15°57 | 12° 8 | 7° 2 | 15°37 | 11°10 | 16°38 | 25°59 | 18° 4 | 17° 8 | 7°15 | 16°13 | F 28 |
| S 29 | 14 58 39 | 16° 4'56 | 9♓56 | 19°18 | 17°11 | 12°43 | 7° 0 | 15°35 | 11° 7 | 16°40 | 26° 1 | 18° 6 | 17° 5 | 7°22 | 16°16 | S 29 |
| S 30 | 15 2 35 | 17♉ 2'43 | 21♓47 | 18♉44 | 18♉24 | 13♋18 | 6♑57 | 15♍34 | 11♏ 5 | 16♉43 | 26♉ 2 | 18♈ 8 | 17♈ 2 | 7♓28 | 16♈19 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n26 | 14s28 | 3s51 | 15n39 | 1n59 | 3n48 | 1s19 | 25n11 | 1n42 | 23s 8 | 0n12 | 7n30 | 2n26 | 15s11 | 0n24 | 14n55 | 1s44 | 7n12 | 12s19 | 7n13 | 7n18 | 13s20 | 6n52 | 1n12 |
| S 2 | 7 49 | 9 16 | 3 1 | 16 18 | 2 8 | 4 18 | 1 18 | 25 11 | 1 42 | 23 8 | 0 12 | 7 31 | 2 26 | 15 10 | 0 24 | 14 56 | 1 44 | 7 13 | 12 19 | 7 13 | 7 17 | 13 17 | 6 54 | 1 12 |
| M 3 | 8 11 | 3 41 | 2 4 | 16 54 | 2 16 | 4 47 | 1 17 | 25 12 | 1 42 | 23 8 | 0 12 | 7 32 | 2 26 | 15 10 | 0 24 | 14 56 | 1 44 | 7 13 | 12 19 | 7 13 | 7 16 | 13 14 | 6 55 | 1 12 |
| T 4 | 8 33 | 2n 4 | 1 0 | 17 28 | 2 23 | 5 17 | 1 16 | 25 12 | 1 41 | 23 8 | 0 12 | 7 34 | 2 26 | 15 9 | 0 24 | 14 57 | 1 44 | 7 13 | 12 19 | 7 13 | 7 14 | 13 11 | 6 56 | 1 12 |
| W 5 | 8 55 | 7 50 | 0n 7 | 17 59 | 2 29 | 5 46 | 1 15 | 25 12 | 1 41 | 23 8 | 0 12 | 7 35 | 2 26 | 15 8 | 0 24 | 14 58 | 1 44 | 7 14 | 12 19 | 7 13 | 7 13 | 13 8 | 6 58 | 1 11 |
| T 6 | 9 16 | 13 23 | 1 15 | 18 28 | 2 35 | 6 16 | 1 14 | 25 12 | 1 41 | 23 8 | 0 12 | 7 36 | 2 25 | 15 7 | 0 24 | 14 58 | 1 44 | 7 14 | 12 18 | 7 13 | 7 12 | 13 5 | 6 59 | 1 11 |
| F 7 | 9 38 | 18 29 | 2 20 | 18 54 | 2 40 | 6 45 | 1 12 | 25 12 | 1 40 | 23 8 | 0 12 | 7 37 | 2 25 | 15 7 | 0 24 | 14 59 | 1 44 | 7 15 | 12 18 | 7 13 | 7 11 | 13 2 | 7 1 | 1 11 |
| S 8 | 9 59 | 22 51 | 3 19 | 19 17 | 2 43 | 7 14 | 1 11 | 25 11 | 1 40 | 23 8 | 0 12 | 7 38 | 2 25 | 15 6 | 0 24 | 15 0 | 1 44 | 7 15 | 12 18 | 7 13 | 7 10 | 12 59 | 7 2 | 1 11 |
| S 9 | 10 21 | 26 11 | 4 10 | 19 37 | 2 46 | 7 43 | 1 10 | 25 11 | 1 40 | 23 8 | 0 12 | 7 39 | 2 25 | 15 5 | 0 24 | 15 0 | 1 44 | 7 16 | 12 18 | 7 13 | 7 8 | 12 56 | 7 3 | 1 11 |
| M10 | 10 42 | 28 9 | 4 48 | 19 55 | 2 48 | 8 12 | 1 8 | 25 10 | 1 39 | 23 8 | 0 11 | 7 40 | 2 25 | 15 4 | 0 24 | 15 1 | 1 44 | 7 16 | 12 18 | 7 12 | 7 7 | 12 53 | 7 5 | 1 11 |
| T 11 | 11 2 | 28 30 | 5 10 | 20 10 | 2 49 | 8 41 | 1 7 | 25 9 | 1 39 | 23 8 | 0 11 | 7 41 | 2 25 | 15 4 | 0 24 | 15 1 | 1 44 | 7 16 | 12 18 | 7 12 | 7 6 | 12 49 | 7 6 | 1 11 |
| W12 | 11 23 | 27 8 | 5 16 | 20 22 | 2 48 | 9 9 | 1 5 | 25 8 | 1 39 | 23 8 | 0 11 | 7 42 | 2 25 | 15 3 | 0 24 | 15 2 | 1 44 | 7 17 | 12 17 | 7 12 | 7 5 | 12 46 | 7 7 | 1 11 |
| T 13 | 11 44 | 24 4 | 5 4 | 20 31 | 2 47 | 9 37 | 1 3 | 25 7 | 1 38 | 23 8 | 0 11 | 7 43 | 2 25 | 15 2 | 0 24 | 15 3 | 1 44 | 7 17 | 12 17 | 7 11 | 7 3 | 12 43 | 7 9 | 1 11 |
| F 14 | 12 4 | 19 32 | 4 33 | 20 38 | 2 44 | 10 5 | 1 2 | 25 6 | 1 38 | 23 8 | 0 11 | 7 44 | 2 24 | 15 1 | 0 24 | 15 3 | 1 44 | 7 18 | 12 17 | 7 12 | 7 2 | 12 40 | 7 10 | 1 11 |
| S 15 | 12 24 | 13 49 | 3 44 | 20 42 | 2 41 | 10 33 | 1 0 | 25 4 | 1 38 | 23 8 | 0 11 | 7 45 | 2 24 | 15 1 | 0 24 | 15 4 | 1 44 | 7 18 | 12 17 | 7 12 | 7 1 | 12 37 | 7 12 | 1 11 |
| S 16 | 12 44 | 7 18 | 2 41 | 20 44 | 2 36 | 11 0 | 0 58 | 25 2 | 1 37 | 23 8 | 0 11 | 7 46 | 2 24 | 15 0 | 0 24 | 15 5 | 1 44 | 7 18 | 12 17 | 7 12 | 7 0 | 12 34 | 7 13 | 1 11 |
| M17 | 13 4 | 0 22 | 1 27 | 20 42 | 2 30 | 11 28 | 0 57 | 25 1 | 1 37 | 23 9 | 0 11 | 7 46 | 2 24 | 14 59 | 0 24 | 15 5 | 1 44 | 7 19 | 12 17 | 7 13 | 6 59 | 12 31 | 7 14 | 1 11 |
| T 18 | 13 23 | 6s36 | 0 7 | 20 39 | 2 22 | 11 55 | 0 55 | 24 59 | 1 37 | 23 9 | 0 11 | 7 47 | 2 24 | 14 58 | 0 24 | 15 6 | 1 44 | 7 19 | 12 17 | 7 13 | 6 57 | 12 28 | 7 16 | 1 11 |
| W19 | 13 43 | 13 9 | 1s12 | 20 32 | 2 14 | 12 21 | 0 53 | 24 57 | 1 36 | 23 9 | 0 11 | 7 48 | 2 24 | 14 58 | 0 24 | 15 7 | 1 44 | 7 20 | 12 16 | 7 13 | 6 56 | 12 25 | 7 17 | 1 11 |
| T 20 | 14 2 | 18 56 | 2 26 | 20 24 | 2 4 | 12 48 | 0 51 | 24 54 | 1 36 | 23 9 | 0 11 | 7 49 | 2 23 | 14 57 | 0 24 | 15 7 | 1 44 | 7 20 | 12 16 | 7 12 | 6 55 | 12 22 | 7 18 | 1 11 |
| F 21 | 14 20 | 23 33 | 3 29 | 20 12 | 1 53 | 13 14 | 0 49 | 24 52 | 1 36 | 23 9 | 0 10 | 7 49 | 2 23 | 14 56 | 0 24 | 15 8 | 1 44 | 7 20 | 12 16 | 7 11 | 6 54 | 12 18 | 7 20 | 1 11 |
| S 22 | 14 39 | 26 45 | 4 18 | 19 59 | 1 42 | 13 40 | 0 47 | 24 49 | 1 35 | 23 9 | 0 10 | 7 50 | 2 23 | 14 55 | 0 24 | 15 9 | 1 44 | 7 21 | 12 16 | 7 10 | 6 53 | 12 15 | 7 21 | 1 11 |
| S 23 | 14 57 | 28 21 | 4 53 | 19 43 | 1 29 | 14 5 | 0 45 | 24 47 | 1 35 | 23 9 | 0 10 | 7 50 | 2 23 | 14 55 | 0 24 | 15 9 | 1 44 | 7 21 | 12 16 | 7 9 | 6 51 | 12 12 | 7 22 | 1 10 |
| M24 | 15 16 | 28 21 | 5 11 | 19 25 | 1 15 | 14 30 | 0 43 | 24 44 | 1 35 | 23 9 | 0 10 | 7 51 | 2 23 | 14 54 | 0 24 | 15 10 | 1 44 | 7 22 | 12 16 | 7 8 | 6 50 | 12 9 | 7 23 | 1 10 |
| T 25 | 15 33 | 26 53 | 5 14 | 19 5 | 1 0 | 14 55 | 0 41 | 24 41 | 1 34 | 23 10 | 0 10 | 7 51 | 2 23 | 14 53 | 0 24 | 15 11 | 1 44 | 7 22 | 12 16 | 7 7 | 6 49 | 12 6 | 7 25 | 1 10 |
| W26 | 15 51 | 24 10 | 5 2 | 18 44 | 0 44 | 15 19 | 0 39 | 24 38 | 1 34 | 23 10 | 0 10 | 7 52 | 2 22 | 14 52 | 0 24 | 15 11 | 1 44 | 7 22 | 12 16 | 7 7 | 6 48 | 12 3 | 7 26 | 1 10 |
| T 27 | 16 8 | 20 26 | 4 37 | 18 21 | 0 28 | 15 43 | 0 37 | 24 34 | 1 34 | 23 10 | 0 10 | 7 52 | 2 22 | 14 52 | 0 24 | 15 12 | 1 44 | 7 23 | 12 16 | 7 6 | 6 46 | 12 0 | 7 27 | 1 10 |
| F 28 | 16 26 | 15 56 | 4 1 | 17 56 | 0 11 | 16 7 | 0 35 | 24 31 | 1 33 | 23 10 | 0 10 | 7 52 | 2 22 | 14 51 | 0 24 | 15 12 | 1 44 | 7 23 | 12 16 | 7 7 | 6 45 | 11 57 | 7 29 | 1 10 |
| S 29 | 16 42 | 10 52 | 3 15 | 17 31 | 0s 6 | 16 30 | 0 32 | 24 27 | 1 33 | 23 11 | 0 10 | 7 53 | 2 22 | 14 50 | 0 24 | 15 13 | 1 44 | 7 24 | 12 15 | 7 7 | 6 44 | 11 53 | 7 30 | 1 10 |
| S 30 | 16n59 | 5s24 | 2s20 | 17n 5 | 0s23 | 16n53 | 0s30 | 24n23 | 1n33 | 23s11 | 0n10 | 7n53 | 2n22 | 14s49 | 0n24 | 15n14 | 1s44 | 7n24 | 12s15 | 7n 8 | 6n43 | 11s50 | 7n31 | 1n10 |

Julian Day Number = 2229210.5, Delta T = 08m07s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'55, Lahiri = 15°21'55 Julian Calendar 1 Apr. 1391 == Greg. Calendar 9 Apr. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## MAY 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 6 32 | 18♉ 0'28 | 3♈45 | 18°R10 | 19♉38 | 13♋53 | 6°R55 | 15°R33 | 11°R 2 | 16♉45 | 26♉ 3 | 18♈ 9 | 16♈59 | 7♓35 | 16♈23 | M 1 |
| T 2 | 15 10 28 | 18°58'13 | 15°52 | 17♉35 | 20°52 | 14°29 | 6♊52 | 15♍32 | 11♏ 0 | 16°47 | 26° 5 | 18°R10 | 16°56 | 7°42 | 16°26 | T 2 |
| W 3 | 15 14 25 | 19°55'56 | 28°12 | 17° 0 | 22° 6 | 15° 4 | 6°49 | 15°32 | 10°57 | 16°49 | 26° 6 | 18° 9 | 16°52 | 7°48 | 16°29 | W 3 |
| T 4 | 15 18 21 | 20°53'38 | 10♉47 | 16°26 | 23°20 | 15°39 | 6°46 | 15°31 | 10°55 | 16°52 | 26° 7 | 18° 7 | 16°49 | 7°55 | 16°32 | T 4 |
| F 5 | 15 22 18 | 21°51'19 | 23°38 | 15°54 | 24°34 | 16°14 | 6°43 | 15°30 | 10°52 | 16°54 | 26° 9 | 18° 4 | 16°46 | 8° 2 | 16°36 | F 5 |
| S 6 | 15 26 15 | 22°48'59 | 6♊46 | 15°24 | 25°47 | 16°50 | 6°39 | 15°30 | 10°50 | 16°56 | 26°10 | 17°59 | 16°43 | 8° 8 | 16°39 | S 6 |
| S 7 | 15 30 11 | 23°46'37 | 20° 9 | 14°56 | 27° 1 | 17°25 | 6°35 | 15°30 | 10°47 | 16°58 | 26°11 | 17°54 | 16°40 | 8°15 | 16°42 | S 7 |
| M 8 | 15 34 8 | 24°44'14 | 3♋46 | 14°32 | 28°15 | 18° 0 | 6°32 | 15°29 | 10°45 | 17° 1 | 26°13 | 17°48 | 16°37 | 8°22 | 16°45 | M 8 |
| T 9 | 15 38 4 | 25°41'50 | 17°34 | 14°10 | 29°29 | 18°36 | 6°28 | 15°29 | 10°42 | 17° 3 | 26°14 | 17°43 | 16°33 | 8°28 | 16°48 | T 9 |
| W10 | 15 42 1 | 26°39'24 | 1♌31 | 13°52 | 0♊42 | 19°11 | 6°23 | 15°D29 | 10°40 | 17° 5 | 26°16 | 17°39 | 16°30 | 8°35 | 16°51 | W10 |
| T 11 | 15 45 57 | 27°36'56 | 15°35 | 13°38 | 1°56 | 19°47 | 6°19 | 15°29 | 10°38 | 17° 7 | 26°17 | 17°37 | 16°27 | 8°42 | 16°54 | T 11 |
| F 12 | 15 49 54 | 28°34'28 | 29°44 | 13°29 | 3°10 | 20°22 | 6°15 | 15°29 | 10°35 | 17° 9 | 26°18 | 17°D36 | 16°24 | 8°48 | 16°57 | F 12 |
| S 13 | 15 53 50 | 29°31'57 | 13♍55 | 13°23 | 4°24 | 20°58 | 6°10 | 15°29 | 10°33 | 17°12 | 26°20 | 17°37 | 16°21 | 8°55 | 17° 0 | S 13 |
| S 14 | 15 57 47 | 0♊29'25 | 28° 8 | 13°D22 | 5°37 | 21°33 | 6° 5 | 15°30 | 10°31 | 17°14 | 26°21 | 17°38 | 16°17 | 9° 2 | 17° 3 | S 14 |
| M15 | 16 1 44 | 1°26'52 | 12♎20 | 13°26 | 6°51 | 22° 9 | 6° 0 | 15°30 | 10°28 | 17°16 | 26°22 | 17°R39 | 16°14 | 9° 8 | 17° 6 | M15 |
| T 16 | 16 5 40 | 2°24'18 | 26°29 | 13°33 | 8° 5 | 22°45 | 5°55 | 15°31 | 10°26 | 17°18 | 26°24 | 17°39 | 16°11 | 9°15 | 17° 9 | T 16 |
| W17 | 16 9 37 | 3°21'43 | 10♏32 | 13°46 | 9°19 | 23°20 | 5°50 | 15°31 | 10°24 | 17°20 | 26°25 | 17°37 | 16° 8 | 9°22 | 17°12 | W17 |
| T 18 | 16 13 33 | 4°19'06 | 24°25 | 14° 3 | 10°32 | 23°56 | 5°44 | 15°32 | 10°22 | 17°23 | 26°26 | 17°32 | 16° 5 | 9°28 | 17°15 | T 18 |
| F 19 | 16 17 30 | 5°16'29 | 8♐ 5 | 14°24 | 11°46 | 24°32 | 5°39 | 15°33 | 10°19 | 17°25 | 26°28 | 17°26 | 16° 2 | 9°35 | 17°18 | F 19 |
| S 20 | 16 21 26 | 6°13'51 | 21°29 | 14°49 | 13° 0 | 25° 8 | 5°33 | 15°34 | 10°17 | 17°27 | 26°29 | 17°19 | 15°58 | 9°42 | 17°20 | S 20 |
| S 21 | 16 25 23 | 7°11'12 | 4♑36 | 15°19 | 14°13 | 25°44 | 5°27 | 15°35 | 10°15 | 17°29 | 26°30 | 17°10 | 15°55 | 9°48 | 17°23 | S 21 |
| M22 | 16 29 20 | 8° 8'32 | 17°23 | 15°54 | 15°27 | 26°19 | 5°21 | 15°36 | 10°13 | 17°31 | 26°32 | 17° 2 | 15°52 | 9°55 | 17°26 | M22 |
| T 23 | 16 33 16 | 9° 5'51 | 29°53 | 16°32 | 16°41 | 26°55 | 5°15 | 15°37 | 10°11 | 17°33 | 26°33 | 16°55 | 15°49 | 10° 2 | 17°28 | T 23 |
| W24 | 16 37 13 | 10° 3'10 | 12♒ 7 | 17°14 | 17°54 | 27°31 | 5° 9 | 15°39 | 10° 9 | 17°36 | 26°34 | 16°49 | 15°46 | 10° 8 | 17°31 | W24 |
| T 25 | 16 41 9 | 11° 0'29 | 24° 8 | 18° 0 | 19° 8 | 28° 7 | 5° 3 | 15°40 | 10° 7 | 17°38 | 26°36 | 16°45 | 15°43 | 10°15 | 17°33 | T 25 |
| F 26 | 16 45 6 | 11°57'47 | 6♓ 2 | 18°50 | 20°21 | 28°43 | 4°57 | 15°42 | 10° 5 | 17°40 | 26°37 | 16°44 | 15°39 | 10°22 | 17°36 | F 26 |
| S 27 | 16 49 2 | 12°55'04 | 17°52 | 19°44 | 21°35 | 29°19 | 4°50 | 15°43 | 10° 3 | 17°42 | 26°38 | 16°D43 | 15°36 | 10°28 | 17°38 | S 27 |
| S 28 | 16 52 59 | 13°52'21 | 29°44 | 20°42 | 22°49 | 29°55 | 4°43 | 15°45 | 10° 1 | 17°44 | 26°40 | 16°44 | 15°33 | 10°35 | 17°41 | S 28 |
| M29 | 16 56 55 | 14°49'38 | 11♈43 | 21°43 | 24° 2 | 0♌31 | 4°37 | 15°47 | 9°59 | 17°46 | 26°41 | 16°R45 | 15°30 | 10°42 | 17°43 | M29 |
| T 30 | 17 0 52 | 15°46'54 | 23°54 | 22°48 | 25°16 | 1° 7 | 4°30 | 15°49 | 9°57 | 17°48 | 26°42 | 16°45 | 15°27 | 10°48 | 17°46 | T 30 |
| W31 | 17 4 49 | 16♊44'10 | 6♉21 | 23♉57 | 26♊30 | 1♌43 | 4♑23 | 15♍51 | 9♏55 | 17♉50 | 26♉44 | 16♈43 | 15♈23 | 10♓55 | 17♈48 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n15 | 0n18 | 1s18 | 16n38 | 0s41 | 17n15 | 0s28 | 24n19 | 1n32 | 23s11 | 0n 9 | 7n53 | 2n22 | 14s48 | 0n24 | 15n14 | 1s44 | 7n24 | 12s15 | 7n 9 | 6n42 | 11s47 | 7n32 | 1n10 |
| T 2 | 17 31 | 6 4 | 0 13 | 16 12 | 0 58 | 17 37 | 0 26 | 24 15 | 1 32 | 23 11 | 0 9 | 7 53 | 2 21 | 14 48 | 0 24 | 15 15 | 1 44 | 7 25 | 12 15 | 7 9 | 6 40 | 11 44 | 7 34 | 1 10 |
| W 3 | 17 47 | 11 43 | 0n55 | 15 46 | 1 15 | 17 59 | 0 23 | 24 11 | 1 32 | 23 12 | 0 9 | 7 53 | 2 21 | 14 47 | 0 24 | 15 16 | 1 44 | 7 25 | 12 15 | 7 9 | 6 39 | 11 41 | 7 35 | 1 10 |
| T 4 | 18 2 | 17 1 | 2 0 | 15 20 | 1 32 | 18 20 | 0 21 | 24 7 | 1 31 | 23 12 | 0 9 | 7 54 | 2 21 | 14 46 | 0 24 | 15 16 | 1 44 | 7 25 | 12 15 | 7 8 | 6 38 | 11 38 | 7 36 | 1 10 |
| F 5 | 18 18 | 21 40 | 3 2 | 14 56 | 1 48 | 18 40 | 0 19 | 24 2 | 1 31 | 23 12 | 0 9 | 7 54 | 2 21 | 14 45 | 0 24 | 15 17 | 1 44 | 7 26 | 12 15 | 7 7 | 6 37 | 11 35 | 7 37 | 1 10 |
| S 6 | 18 32 | 25 22 | 3 54 | 14 32 | 2 4 | 19 0 | 0 17 | 23 57 | 1 31 | 23 12 | 0 9 | 7 54 | 2 21 | 14 45 | 0 24 | 15 18 | 1 44 | 7 26 | 12 15 | 7 5 | 6 35 | 11 31 | 7 38 | 1 10 |
| S 7 | 18 47 | 27 44 | 4 35 | 14 10 | 2 18 | 19 20 | 0 14 | 23 52 | 1 30 | 23 13 | 0 9 | 7 54 | 2 20 | 14 44 | 0 24 | 15 18 | 1 44 | 7 26 | 12 15 | 7 3 | 6 34 | 11 28 | 7 40 | 1 10 |
| M 8 | 19 1 | 28 29 | 5 1 | 13 50 | 2 32 | 19 39 | 0 12 | 23 47 | 1 30 | 23 13 | 0 9 | 7 54 | 2 20 | 14 43 | 0 24 | 15 19 | 1 44 | 7 27 | 12 15 | 7 0 | 6 33 | 11 25 | 7 41 | 1 10 |
| T 9 | 19 15 | 27 29 | 5 10 | 13 31 | 2 45 | 19 57 | 0 9 | 23 42 | 1 30 | 23 13 | 0 8 | 7 53 | 2 20 | 14 42 | 0 24 | 15 19 | 1 44 | 7 27 | 12 15 | 6 58 | 6 32 | 11 22 | 7 42 | 1 10 |
| W10 | 19 28 | 24 47 | 5 1 | 13 15 | 2 57 | 20 15 | 0 7 | 23 37 | 1 29 | 23 14 | 0 8 | 7 53 | 2 20 | 14 42 | 0 24 | 15 20 | 1 44 | 7 27 | 12 15 | 6 57 | 6 31 | 11 19 | 7 43 | 1 10 |
| T 11 | 19 42 | 20 35 | 4 34 | 13 0 | 3 7 | 20 33 | 0 5 | 23 31 | 1 29 | 23 14 | 0 8 | 7 53 | 2 20 | 14 41 | 0 24 | 15 21 | 1 44 | 7 28 | 12 15 | 6 56 | 6 29 | 11 16 | 7 44 | 1 10 |
| F 12 | 19 55 | 15 12 | 3 51 | 12 48 | 3 17 | 20 49 | 0 2 | 23 26 | 1 28 | 23 14 | 0 8 | 7 53 | 2 19 | 14 40 | 0 24 | 15 21 | 1 44 | 7 28 | 12 15 | 6 56 | 6 28 | 11 12 | 7 45 | 1 10 |
| S 13 | 20 7 | 9 0 | 2 53 | 12 39 | 3 25 | 21 6 | 0n 0 | 23 20 | 1 28 | 23 15 | 0 8 | 7 53 | 2 19 | 14 39 | 0 24 | 15 22 | 1 44 | 7 28 | 12 15 | 6 56 | 6 27 | 11 9 | 7 46 | 1 10 |
| S 14 | 20 19 | 2 20 | 1 44 | 12 32 | 3 32 | 21 21 | 0 2 | 23 14 | 1 28 | 23 15 | 0 8 | 7 52 | 2 19 | 14 39 | 0 24 | 15 23 | 1 44 | 7 29 | 12 15 | 6 57 | 6 26 | 11 6 | 7 48 | 1 10 |
| M15 | 20 31 | 4s27 | 0 29 | 12 27 | 3 38 | 21 36 | 0 5 | 23 8 | 1 27 | 23 15 | 0 8 | 7 52 | 2 19 | 14 38 | 0 24 | 15 23 | 1 44 | 7 29 | 12 15 | 6 57 | 6 24 | 11 3 | 7 49 | 1 10 |
| T 16 | 20 43 | 11 0 | 0s48 | 12 24 | 3 43 | 21 51 | 0 7 | 23 1 | 1 27 | 23 16 | 0 8 | 7 52 | 2 19 | 14 37 | 0 24 | 15 24 | 1 44 | 7 29 | 12 15 | 6 57 | 6 23 | 11 0 | 7 50 | 1 10 |
| W17 | 20 54 | 16 56 | 2 0 | 12 24 | 3 47 | 22 5 | 0 10 | 22 55 | 1 27 | 23 16 | 0 8 | 7 51 | 2 18 | 14 37 | 0 24 | 15 24 | 1 44 | 7 30 | 12 15 | 6 56 | 6 22 | 10 56 | 7 51 | 1 10 |
| T 18 | 21 5 | 21 56 | 3 5 | 12 27 | 3 50 | 22 18 | 0 12 | 22 48 | 1 26 | 23 16 | 0 7 | 7 51 | 2 18 | 14 36 | 0 24 | 15 25 | 1 44 | 7 30 | 12 15 | 6 54 | 6 21 | 10 53 | 7 52 | 1 10 |
| F 19 | 21 15 | 25 39 | 3 58 | 12 31 | 3 52 | 22 31 | 0 14 | 22 42 | 1 26 | 23 17 | 0 7 | 7 50 | 2 18 | 14 35 | 0 24 | 15 26 | 1 44 | 7 30 | 12 15 | 6 52 | 6 20 | 10 50 | 7 53 | 1 10 |
| S 20 | 21 25 | 27 51 | 4 36 | 12 38 | 3 52 | 22 43 | 0 17 | 22 35 | 1 26 | 23 17 | 0 7 | 7 50 | 2 18 | 14 35 | 0 24 | 15 26 | 1 44 | 7 31 | 12 15 | 6 49 | 6 18 | 10 47 | 7 54 | 1 9 |
| S 21 | 21 35 | 28 26 | 4 59 | 12 47 | 3 52 | 22 54 | 0 19 | 22 28 | 1 25 | 23 17 | 0 7 | 7 49 | 2 18 | 14 34 | 0 24 | 15 27 | 1 44 | 7 31 | 12 15 | 6 46 | 6 17 | 10 44 | 7 55 | 1 9 |
| M22 | 21 44 | 27 27 | 5 7 | 12 58 | 3 51 | 23 5 | 0 21 | 22 21 | 1 25 | 23 18 | 0 7 | 7 48 | 2 17 | 14 33 | 0 24 | 15 27 | 1 44 | 7 31 | 12 15 | 6 43 | 6 16 | 10 40 | 7 56 | 1 9 |
| T 23 | 21 53 | 25 7 | 4 59 | 13 11 | 3 49 | 23 15 | 0 24 | 22 13 | 1 24 | 23 18 | 0 7 | 7 48 | 2 17 | 14 33 | 0 24 | 15 28 | 1 44 | 7 31 | 12 15 | 6 40 | 6 15 | 10 37 | 7 57 | 1 9 |
| W24 | 22 2 | 21 39 | 4 38 | 13 25 | 3 46 | 23 24 | 0 26 | 22 6 | 1 24 | 23 19 | 0 7 | 7 47 | 2 17 | 14 32 | 0 24 | 15 28 | 1 44 | 7 32 | 12 15 | 6 38 | 6 13 | 10 34 | 7 58 | 1 9 |
| T 25 | 22 10 | 17 21 | 4 4 | 13 42 | 3 42 | 23 33 | 0 28 | 21 58 | 1 24 | 23 19 | 0 7 | 7 46 | 2 17 | 14 31 | 0 24 | 15 29 | 1 44 | 7 32 | 12 15 | 6 36 | 6 12 | 10 31 | 7 59 | 1 9 |
| F 26 | 22 18 | 12 26 | 3 21 | 14 0 | 3 38 | 23 41 | 0 31 | 21 51 | 1 23 | 23 19 | 0 6 | 7 45 | 2 17 | 14 31 | 0 24 | 15 30 | 1 44 | 7 32 | 12 15 | 6 36 | 6 11 | 10 28 | 8 0 | 1 9 |
| S 27 | 22 26 | 7 6 | 2 29 | 14 19 | 3 32 | 23 48 | 0 33 | 21 43 | 1 23 | 23 20 | 0 6 | 7 45 | 2 17 | 14 30 | 0 24 | 15 30 | 1 44 | 7 32 | 12 15 | 6 36 | 6 10 | 10 24 | 8 1 | 1 9 |
| S 28 | 22 33 | 1 29 | 1 30 | 14 40 | 3 26 | 23 55 | 0 35 | 21 35 | 1 23 | 23 20 | 0 6 | 7 44 | 2 16 | 14 30 | 0 24 | 15 31 | 1 44 | 7 33 | 12 15 | 6 36 | 6 8 | 10 21 | 8 2 | 1 9 |
| M29 | 22 39 | 4n14 | 0 27 | 15 2 | 3 20 | 24 1 | 0 38 | 21 27 | 1 22 | 23 20 | 0 6 | 7 43 | 2 16 | 14 29 | 0 24 | 15 31 | 1 44 | 7 33 | 12 15 | 6 36 | 6 7 | 10 18 | 8 3 | 1 9 |
| T 30 | 22 46 | 9 54 | 0n38 | 15 26 | 3 13 | 24 6 | 0 40 | 21 18 | 1 22 | 23 21 | 0 6 | 7 42 | 2 16 | 14 28 | 0 24 | 15 32 | 1 44 | 7 33 | 12 15 | 6 36 | 6 6 | 10 15 | 8 3 | 1 9 |
| W31 | 22n51 | 15n18 | 1n43 | 15n50 | 3s 5 | 24n10 | 0n42 | 21n10 | 1n21 | 23s21 | 0n 6 | 7n41 | 2n16 | 14s28 | 0n24 | 15n32 | 1s44 | 7n33 | 12s15 | 6n35 | 6n 5 | 10s12 | 8n 4 | 1n 9 |

Julian Day Number = 2229240.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°14'59, Lahiri = 15°21'59 Julian Calendar 1 May 1391 == Greg. Calendar 9 May 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## JUNE 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 8 45 | 17♊41'26 | 19♉ 8 | 25♉ 8 | 27♊43 | 2♌20 | 4°R16 | 15♍53 | 9°R53 | 17♉52 | 26♉45 | 16°R39 | 15♈20 | 11♓ 2 | 17♈50 | T 1 |
| F 2 | 17 12 42 | 18°38'41 | 2♊16 | 26°24 | 28°57 | 2°56 | 4♏ 9 | 15°55 | 9♏51 | 17°54 | 26°46 | 16♈32 | 15°17 | 11° 9 | 17°52 | F 2 |
| S 3 | 17 16 38 | 19°35'56 | 15°45 | 27°42 | 0♋11 | 3°32 | 4° 2 | 15°58 | 9°50 | 17°56 | 26°47 | 16°24 | 15°14 | 11°15 | 17°55 | S 3 |
| S 4 | 17 20 35 | 20°33'11 | 29°33 | 29° 4 | 1°24 | 4° 8 | 3°54 | 16° 0 | 9°48 | 17°58 | 26°49 | 16°14 | 15°11 | 11°22 | 17°57 | S 4 |
| M 5 | 17 24 31 | 21°30'25 | 13♋36 | 0♊29 | 2°38 | 4°45 | 3°47 | 16° 3 | 9°46 | 18° 0 | 26°50 | 16° 4 | 15° 8 | 11°29 | 17°59 | M 5 |
| T 6 | 17 28 28 | 22°27'39 | 27°50 | 1°58 | 3°51 | 5°21 | 3°40 | 16° 5 | 9°45 | 18° 2 | 26°51 | 15°54 | 15° 4 | 11°35 | 18° 1 | T 6 |
| W 7 | 17 32 24 | 23°24'52 | 12♌ 9 | 3°30 | 5° 5 | 5°57 | 3°32 | 16° 8 | 9°43 | 18° 4 | 26°53 | 15°47 | 15° 1 | 11°42 | 18° 3 | W 7 |
| T 8 | 17 36 21 | 24°22'05 | 26°29 | 5° 5 | 6°19 | 6°34 | 3°25 | 16°11 | 9°42 | 18° 6 | 26°54 | 15°42 | 14°58 | 11°49 | 18° 5 | T 8 |
| F 9 | 17 40 18 | 25°19'16 | 10♍45 | 6°43 | 7°32 | 7°10 | 3°17 | 16°14 | 9°40 | 18° 8 | 26°55 | 15°39 | 14°55 | 11°55 | 18° 7 | F 9 |
| S 10 | 17 44 14 | 26°16'28 | 24°55 | 8°24 | 8°46 | 7°47 | 3°10 | 16°17 | 9°39 | 18° 9 | 26°56 | 15°D38 | 14°52 | 12° 2 | 18° 9 | S 10 |
| S 11 | 17 48 11 | 27°13'39 | 8♎59 | 10° 8 | 9°59 | 8°23 | 3° 2 | 16°20 | 9°37 | 18°11 | 26°57 | 15°R39 | 14°49 | 12° 9 | 18°10 | S 11 |
| M12 | 17 52 7 | 28°10'49 | 22°54 | 11°55 | 11°13 | 9° 0 | 2°54 | 16°23 | 9°36 | 18°13 | 26°59 | 15°39 | 14°45 | 12°15 | 18°12 | M12 |
| T 13 | 17 56 4 | 29° 7'59 | 6♏41 | 13°46 | 12°26 | 9°36 | 2°47 | 16°26 | 9°34 | 18°15 | 27° 0 | 15°37 | 14°42 | 12°22 | 18°14 | T 13 |
| W14 | 18 0 0 | 0♋ 5'08 | 20°20 | 15°38 | 13°40 | 10°13 | 2°39 | 16°29 | 9°33 | 18°17 | 27° 1 | 15°33 | 14°39 | 12°29 | 18°15 | W14 |
| T 15 | 18 3 57 | 1° 2'18 | 3♐48 | 17°34 | 14°54 | 10°49 | 2°31 | 16°33 | 9°32 | 18°19 | 27° 2 | 15°27 | 14°36 | 12°35 | 18°17 | T 15 |
| F 16 | 18 7 53 | 1°59'27 | 17° 6 | 19°32 | 16° 7 | 11°26 | 2°24 | 16°36 | 9°31 | 18°20 | 27° 3 | 15°17 | 14°33 | 12°42 | 18°19 | F 16 |
| S 17 | 18 11 50 | 2°56'36 | 0♑11 | 21°32 | 17°21 | 12° 3 | 2°16 | 16°40 | 9°29 | 18°22 | 27° 4 | 15° 6 | 14°29 | 12°49 | 18°20 | S 17 |
| S 18 | 18 15 47 | 3°53'46 | 13° 2 | 23°35 | 18°34 | 12°39 | 2° 8 | 16°44 | 9°28 | 18°24 | 27° 6 | 14°54 | 14°26 | 12°55 | 18°22 | S 18 |
| M19 | 18 19 43 | 4°50'55 | 25°38 | 25°39 | 19°48 | 13°16 | 2° 1 | 16°47 | 9°27 | 18°25 | 27° 7 | 14°41 | 14°23 | 13° 2 | 18°23 | M19 |
| T 20 | 18 23 40 | 5°48'04 | 8♒ 1 | 27°45 | 21° 1 | 13°53 | 1°53 | 16°51 | 9°26 | 18°27 | 27° 8 | 14°30 | 14°20 | 13° 9 | 18°24 | T 20 |
| W21 | 18 27 36 | 6°45'14 | 20°10 | 29°52 | 22°15 | 14°30 | 1°45 | 16°55 | 9°25 | 18°29 | 27° 9 | 14°21 | 14°17 | 13°15 | 18°26 | W21 |
| T 22 | 18 31 33 | 7°42'24 | 2♓ 8 | 2♋ 0 | 23°28 | 15° 6 | 1°38 | 16°59 | 9°24 | 18°30 | 27°10 | 14°14 | 14°14 | 13°22 | 18°27 | T 22 |
| F 23 | 18 35 29 | 8°39'34 | 14° 0 | 4° 9 | 24°42 | 15°43 | 1°30 | 17° 3 | 9°23 | 18°32 | 27°11 | 14°10 | 14°10 | 13°29 | 18°28 | F 23 |
| S 24 | 18 39 26 | 9°36'45 | 25°49 | 6°18 | 25°55 | 16°20 | 1°23 | 17° 7 | 9°23 | 18°34 | 27°12 | 14° 8 | 14° 7 | 13°35 | 18°29 | S 24 |
| S 25 | 18 43 22 | 10°33'56 | 7♈40 | 8°28 | 27° 9 | 16°57 | 1°15 | 17°12 | 9°22 | 18°35 | 27°13 | 14° 8 | 14° 4 | 13°42 | 18°31 | S 25 |
| M26 | 18 47 19 | 11°31'08 | 19°38 | 10°37 | 28°22 | 17°34 | 1° 8 | 17°16 | 9°21 | 18°37 | 27°14 | 14° 8 | 14° 1 | 13°49 | 18°32 | M26 |
| T 27 | 18 51 16 | 12°28'20 | 1♉50 | 12°46 | 29°35 | 18°11 | 1° 0 | 17°20 | 9°20 | 18°38 | 27°15 | 14° 7 | 13°58 | 13°55 | 18°33 | T 27 |
| W28 | 18 55 12 | 13°25'33 | 14°19 | 14°54 | 0♌49 | 18°48 | 0°53 | 17°25 | 9°20 | 18°40 | 27°16 | 14° 5 | 13°55 | 14° 2 | 18°34 | W28 |
| T 29 | 18 59 9 | 14°22'47 | 27°11 | 17° 2 | 2° 2 | 19°25 | 0°45 | 17°29 | 9°19 | 18°41 | 27°17 | 14° 0 | 13°51 | 14° 9 | 18°34 | T 29 |
| F 30 | 19 3 5 | 15♋20'01 | 10♊29 | 19♋ 8 | 3♌16 | 20♌ 2 | 0♏38 | 17♍34 | 9♏19 | 18♉42 | 27♉18 | 13♈53 | 13♈48 | 14♓15 | 18♈35 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n57 | 20n11 | 2n44 | 16n16 | 2s56 | 24n14 | 0n44 | 21n 1 | 1n21 | 23s22 | 0n 6 | 7n40 | 2n16 | 14s27 | 0n24 | 15n33 | 1s44 | 7n34 | 12s15 | 6n34 | 6n 4 | 10s 8 | 8n 5 | 1n 9 |
| F 2 | 23 2 | 24 15 | 3 38 | 16 42 | 2 47 | 24 17 | 0 46 | 20 53 | 1 21 | 23 22 | 0 5 | 7 39 | 2 15 | 14 27 | 0 24 | 15 33 | 1 44 | 7 34 | 12 15 | 6 31 | 6 2 | 10 5 | 8 6 | 1 9 |
| S 3 | 23 7 | 27 5 | 4 21 | 17 9 | 2 38 | 24 20 | 0 48 | 20 44 | 1 20 | 23 22 | 0 5 | 7 38 | 2 15 | 14 26 | 0 24 | 15 34 | 1 44 | 7 34 | 12 15 | 6 28 | 6 1 | 10 2 | 8 7 | 1 9 |
| S 4 | 23 11 | 28 22 | 4 50 | 17 37 | 2 28 | 24 21 | 0 50 | 20 35 | 1 20 | 23 23 | 0 5 | 7 37 | 2 15 | 14 26 | 0 24 | 15 34 | 1 44 | 7 34 | 12 15 | 6 24 | 6 0 | 9 59 | 8 8 | 1 9 |
| M 5 | 23 15 | 27 50 | 5 3 | 18 5 | 2 18 | 24 22 | 0 52 | 20 26 | 1 20 | 23 23 | 0 5 | 7 36 | 2 15 | 14 25 | 0 23 | 15 35 | 1 44 | 7 34 | 12 15 | 6 20 | 5 59 | 9 55 | 8 8 | 1 9 |
| T 6 | 23 18 | 25 30 | 4 56 | 18 33 | 2 7 | 24 22 | 0 54 | 20 17 | 1 19 | 23 23 | 0 5 | 7 34 | 2 15 | 14 25 | 0 23 | 15 35 | 1 44 | 7 35 | 12 15 | 6 17 | 5 57 | 9 52 | 8 9 | 1 9 |
| W 7 | 23 21 | 21 33 | 4 32 | 19 1 | 1 56 | 24 22 | 0 56 | 20 7 | 1 19 | 23 24 | 0 5 | 7 33 | 2 14 | 14 24 | 0 23 | 15 36 | 1 44 | 7 35 | 12 16 | 6 14 | 5 56 | 9 49 | 8 10 | 1 9 |
| T 8 | 23 24 | 16 20 | 3 50 | 19 30 | 1 45 | 24 20 | 0 58 | 19 58 | 1 18 | 23 24 | 0 5 | 7 32 | 2 14 | 14 24 | 0 23 | 15 36 | 1 44 | 7 35 | 12 16 | 6 12 | 5 55 | 9 46 | 8 11 | 1 9 |
| F 9 | 23 26 | 10 15 | 2 54 | 19 58 | 1 33 | 24 18 | 1 0 | 19 48 | 1 18 | 23 24 | 0 4 | 7 31 | 2 14 | 14 23 | 0 23 | 15 37 | 1 44 | 7 35 | 12 16 | 6 11 | 5 54 | 9 42 | 8 11 | 1 9 |
| S 10 | 23 28 | 3 40 | 1 48 | 20 26 | 1 22 | 24 16 | 1 2 | 19 38 | 1 18 | 23 25 | 0 4 | 7 29 | 2 14 | 14 23 | 0 23 | 15 37 | 1 44 | 7 35 | 12 16 | 6 11 | 5 53 | 9 39 | 8 12 | 1 9 |
| S 11 | 23 29 | 3s 2 | 0 35 | 20 54 | 1 10 | 24 12 | 1 4 | 19 28 | 1 17 | 23 25 | 0 4 | 7 28 | 2 14 | 14 22 | 0 23 | 15 38 | 1 44 | 7 36 | 12 16 | 6 11 | 5 51 | 9 36 | 8 13 | 1 9 |
| M12 | 23 30 | 9 32 | 0s38 | 21 20 | 0 58 | 24 8 | 1 6 | 19 18 | 1 17 | 23 25 | 0 4 | 7 26 | 2 13 | 14 22 | 0 23 | 15 38 | 1 45 | 7 36 | 12 16 | 6 11 | 5 50 | 9 33 | 8 13 | 1 9 |
| T 13 | 23 31 | 15 31 | 1 49 | 21 46 | 0 46 | 24 3 | 1 7 | 19 8 | 1 16 | 23 26 | 0 4 | 7 25 | 2 13 | 14 22 | 0 23 | 15 39 | 1 45 | 7 36 | 12 16 | 6 10 | 5 49 | 9 29 | 8 14 | 1 9 |
| W14 | 23 31 | 20 40 | 2 53 | 22 11 | 0 34 | 23 58 | 1 9 | 18 58 | 1 16 | 23 26 | 0 4 | 7 24 | 2 13 | 14 21 | 0 23 | 15 39 | 1 45 | 7 36 | 12 16 | 6 9 | 5 48 | 9 26 | 8 15 | 1 9 |
| T 15 | 23 31 | 24 41 | 3 46 | 22 34 | 0 22 | 23 51 | 1 11 | 18 47 | 1 16 | 23 26 | 0 4 | 7 22 | 2 13 | 14 21 | 0 23 | 15 40 | 1 45 | 7 36 | 12 16 | 6 6 | 5 46 | 9 23 | 8 15 | 1 9 |
| F 16 | 23 30 | 27 18 | 4 26 | 22 56 | 0 11 | 23 44 | 1 12 | 18 37 | 1 15 | 23 26 | 0 3 | 7 21 | 2 13 | 14 21 | 0 23 | 15 40 | 1 45 | 7 36 | 12 16 | 6 2 | 5 45 | 9 20 | 8 16 | 1 9 |
| S 17 | 23 29 | 28 22 | 4 51 | 23 16 | 0n 1 | 23 37 | 1 14 | 18 26 | 1 15 | 23 27 | 0 3 | 7 19 | 2 13 | 14 20 | 0 23 | 15 41 | 1 45 | 7 36 | 12 17 | 5 58 | 5 44 | 9 16 | 8 16 | 1 9 |
| S 18 | 23 28 | 27 52 | 5 0 | 23 34 | 0 12 | 23 28 | 1 15 | 18 15 | 1 14 | 23 27 | 0 3 | 7 17 | 2 12 | 14 20 | 0 23 | 15 41 | 1 45 | 7 37 | 12 17 | 5 53 | 5 43 | 9 13 | 8 17 | 1 9 |
| M19 | 23 26 | 25 55 | 4 55 | 23 50 | 0 23 | 23 19 | 1 17 | 18 5 | 1 14 | 23 27 | 0 3 | 7 16 | 2 12 | 14 20 | 0 23 | 15 42 | 1 45 | 7 37 | 12 17 | 5 48 | 5 41 | 9 10 | 8 18 | 1 9 |
| T 20 | 23 24 | 22 46 | 4 36 | 24 3 | 0 33 | 23 9 | 1 18 | 17 54 | 1 14 | 23 28 | 0 3 | 7 14 | 2 12 | 14 19 | 0 23 | 15 42 | 1 45 | 7 37 | 12 17 | 5 44 | 5 40 | 9 7 | 8 18 | 1 9 |
| W21 | 23 21 | 18 41 | 4 5 | 24 14 | 0 43 | 22 59 | 1 19 | 17 42 | 1 13 | 23 28 | 0 3 | 7 12 | 2 12 | 14 19 | 0 23 | 15 42 | 1 45 | 7 37 | 12 17 | 5 41 | 5 39 | 9 3 | 8 19 | 1 9 |
| T 22 | 23 18 | 13 54 | 3 23 | 24 23 | 0 52 | 22 48 | 1 21 | 17 31 | 1 13 | 23 28 | 0 3 | 7 11 | 2 12 | 14 19 | 0 23 | 15 43 | 1 45 | 7 37 | 12 17 | 5 38 | 5 38 | 9 0 | 8 19 | 1 9 |
| F 23 | 23 14 | 8 39 | 2 32 | 24 28 | 1 1 | 22 36 | 1 22 | 17 20 | 1 12 | 23 28 | 0 2 | 7 9 | 2 12 | 14 18 | 0 23 | 15 43 | 1 45 | 7 37 | 12 17 | 5 36 | 5 36 | 8 57 | 8 20 | 1 9 |
| S 24 | 23 10 | 3 8 | 1 35 | 24 31 | 1 9 | 22 24 | 1 23 | 17 8 | 1 12 | 23 29 | 0 2 | 7 7 | 2 11 | 14 18 | 0 23 | 15 44 | 1 45 | 7 37 | 12 17 | 5 36 | 5 35 | 8 53 | 8 20 | 1 9 |
| S 25 | 23 6 | 2n32 | 0 34 | 24 31 | 1 16 | 22 10 | 1 24 | 16 57 | 1 12 | 23 29 | 0 2 | 7 5 | 2 11 | 14 18 | 0 23 | 15 44 | 1 45 | 7 37 | 12 18 | 5 35 | 5 34 | 8 50 | 8 20 | 1 9 |
| M26 | 23 1 | 8 9 | 0n29 | 24 28 | 1 23 | 21 57 | 1 25 | 16 45 | 1 11 | 23 29 | 0 2 | 7 3 | 2 11 | 14 18 | 0 23 | 15 44 | 1 45 | 7 37 | 12 18 | 5 35 | 5 33 | 8 47 | 8 21 | 1 9 |
| T 27 | 22 56 | 13 36 | 1 32 | 24 23 | 1 29 | 21 42 | 1 26 | 16 33 | 1 11 | 23 29 | 0 2 | 7 2 | 2 11 | 14 18 | 0 23 | 15 45 | 1 45 | 7 37 | 12 18 | 5 35 | 5 32 | 8 44 | 8 21 | 1 9 |
| W28 | 22 50 | 18 37 | 2 33 | 24 14 | 1 34 | 21 27 | 1 27 | 16 21 | 1 10 | 23 29 | 0 2 | 7 0 | 2 11 | 14 17 | 0 23 | 15 45 | 1 45 | 7 37 | 12 18 | 5 34 | 5 30 | 8 40 | 8 21 | 1 9 |
| T 29 | 22 45 | 22 57 | 3 27 | 24 3 | 1 38 | 21 12 | 1 28 | 16 9 | 1 10 | 23 30 | 0 2 | 6 58 | 2 11 | 14 17 | 0 23 | 15 45 | 1 45 | 7 38 | 12 18 | 5 32 | 5 29 | 8 37 | 8 22 | 1 9 |
| F 30 | 22n38 | 26n15 | 4n12 | 23n50 | 1n42 | 20n56 | 1n29 | 15n57 | 1n10 | 23s30 | 0n 1 | 6n56 | 2n10 | 14s17 | 0n23 | 15n46 | 1s45 | 7n38 | 12s18 | 5n30 | 5n28 | 8s34 | 8n22 | 1n 9 |

Julian Day Number = 2229271.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'03, Lahiri = 15°22'04 Julian Calendar 1 June 1391 == Greg. Calendar 9 June 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## JULY 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 7 2 | 16♋17'16 | 24♊11 | 21♋14 | 4♌29 | 20♌39 | 0°R31 | 17♍39 | 9°R18 | 18♉44 | 27♉19 | 13°R43 | 13♈45 | 14♓22 | 18♈36 | S 1 |
| S 2 | 19 10 58 | 17°14'32 | 8♋18 | 23°18 | 5°43 | 21°16 | 0♏24 | 17°43 | 9♏18 | 18°45 | 27°20 | 13♈32 | 13°42 | 14°29 | 18°37 | S 2 |
| M 3 | 19 14 55 | 18°11'48 | 22°44 | 25°20 | 6°56 | 21°53 | 0°17 | 17°48 | 9°17 | 18°47 | 27°21 | 13°21 | 13°39 | 14°35 | 18°38 | M 3 |
| T 4 | 19 18 52 | 19° 9'05 | 7♌23 | 27°21 | 8°10 | 22°30 | 0°10 | 17°53 | 9°17 | 18°48 | 27°22 | 13°10 | 13°35 | 14°42 | 18°38 | T 4 |
| W 5 | 19 22 48 | 20° 6'22 | 22° 7 | 29°21 | 9°23 | 23° 8 | 0° 3 | 17°58 | 9°17 | 18°49 | 27°23 | 13° 1 | 13°32 | 14°49 | 18°39 | W 5 |
| T 6 | 19 26 45 | 21° 3'39 | 6♍49 | 1♌18 | 10°36 | 23°45 | 29♐56 | 18° 3 | 9°16 | 18°50 | 27°24 | 12°55 | 13°29 | 14°55 | 18°39 | T 6 |
| F 7 | 19 30 41 | 22° 0'57 | 21°22 | 3°15 | 11°50 | 24°22 | 29°50 | 18° 8 | 9°16 | 18°52 | 27°25 | 12°52 | 13°26 | 15° 2 | 18°40 | F 7 |
| S 8 | 19 34 38 | 22°58'15 | 5♎42 | 5° 9 | 13° 3 | 25° 0 | 29°43 | 18°13 | 9°16 | 18°53 | 27°25 | 12°51 | 13°23 | 15° 9 | 18°40 | S 8 |
| S 9 | 19 38 34 | 23°55'33 | 19°47 | 7° 2 | 14°17 | 25°37 | 29°37 | 18°19 | 9°16 | 18°54 | 27°26 | 12°51 | 13°20 | 15°15 | 18°41 | S 9 |
| M10 | 19 42 31 | 24°52'52 | 3♏37 | 8°53 | 15°30 | 26°14 | 29°30 | 18°24 | 9°D16 | 18°55 | 27°27 | 12°50 | 13°16 | 15°22 | 18°41 | M10 |
| T 11 | 19 46 27 | 25°50'12 | 17°12 | 10°42 | 16°43 | 26°52 | 29°24 | 18°29 | 9°16 | 18°56 | 27°28 | 12°49 | 13°13 | 15°29 | 18°41 | T 11 |
| W12 | 19 50 24 | 26°47'32 | 0♐33 | 12°30 | 17°57 | 27°29 | 29°18 | 18°35 | 9°16 | 18°57 | 27°29 | 12°45 | 13°10 | 15°35 | 18°41 | W12 |
| T 13 | 19 54 21 | 27°44'52 | 13°42 | 14°16 | 19°10 | 28° 7 | 29°12 | 18°40 | 9°16 | 18°59 | 27°29 | 12°39 | 13° 7 | 15°42 | 18°41 | T 13 |
| F 14 | 19 58 17 | 28°42'13 | 26°38 | 16° 0 | 20°23 | 28°44 | 29° 6 | 18°46 | 9°16 | 19° 0 | 27°30 | 12°30 | 13° 4 | 15°48 | 18°41 | F 14 |
| S 15 | 20 2 14 | 29°39'35 | 9♑23 | 17°43 | 21°37 | 29°22 | 29° 1 | 18°52 | 9°16 | 19° 1 | 27°31 | 12°19 | 13° 1 | 15°55 | 18°R41 | S 15 |
| S 16 | 20 6 10 | 0♌36'58 | 21°57 | 19°24 | 22°50 | 29°59 | 28°55 | 18°57 | 9°17 | 19° 2 | 27°32 | 12° 7 | 12°57 | 16° 2 | 18°41 | S 16 |
| M17 | 20 10 7 | 1°34'22 | 4♒19 | 21° 3 | 24° 3 | 0♍37 | 28°50 | 19° 3 | 9°17 | 19° 3 | 27°32 | 11°55 | 12°54 | 16° 8 | 18°41 | M17 |
| T 18 | 20 14 3 | 2°31'46 | 16°30 | 22°41 | 25°16 | 1°14 | 28°44 | 19° 9 | 9°17 | 19° 3 | 27°33 | 11°43 | 12°51 | 16°15 | 18°41 | T 18 |
| W19 | 20 18 0 | 3°29'12 | 28°32 | 24°17 | 26°30 | 1°52 | 28°39 | 19°15 | 9°18 | 19° 4 | 27°34 | 11°34 | 12°48 | 16°22 | 18°41 | W19 |
| T 20 | 20 21 56 | 4°26'39 | 10♓26 | 25°51 | 27°43 | 2°30 | 28°34 | 19°21 | 9°18 | 19° 5 | 27°34 | 11°28 | 12°45 | 16°28 | 18°41 | T 20 |
| F 21 | 20 25 53 | 5°24'07 | 22°15 | 27°24 | 28°56 | 3° 8 | 28°29 | 19°27 | 9°19 | 19° 6 | 27°35 | 11°23 | 12°41 | 16°35 | 18°40 | F 21 |
| S 22 | 20 29 50 | 6°21'36 | 4♈ 2 | 28°55 | 0♍ 9 | 3°45 | 28°25 | 19°33 | 9°19 | 19° 7 | 27°36 | 11°22 | 12°38 | 16°42 | 18°40 | S 22 |
| S 23 | 20 33 46 | 7°19'06 | 15°52 | 0♍24 | 1°22 | 4°23 | 28°20 | 19°39 | 9°20 | 19° 8 | 27°36 | 11°D21 | 12°35 | 16°48 | 18°40 | S 23 |
| M24 | 20 37 43 | 8°16'38 | 27°49 | 1°52 | 2°36 | 5° 1 | 28°16 | 19°45 | 9°21 | 19° 8 | 27°37 | 11°22 | 12°32 | 16°55 | 18°39 | M24 |
| T 25 | 20 41 39 | 9°14'11 | 9♉59 | 3°18 | 3°49 | 5°39 | 28°12 | 19°51 | 9°21 | 19° 9 | 27°37 | 11°R22 | 12°29 | 17° 2 | 18°39 | T 25 |
| W26 | 20 45 36 | 10°11'46 | 22°28 | 4°42 | 5° 2 | 6°17 | 28° 8 | 19°57 | 9°22 | 19°10 | 27°38 | 11°22 | 12°26 | 17° 8 | 18°38 | W26 |
| T 27 | 20 49 32 | 11° 9'22 | 5♊19 | 6° 5 | 6°15 | 6°55 | 28° 4 | 20° 4 | 9°23 | 19°10 | 27°38 | 11°19 | 12°22 | 17°15 | 18°37 | T 27 |
| F 28 | 20 53 29 | 12° 7'00 | 18°36 | 7°25 | 7°28 | 7°33 | 28° 0 | 20°10 | 9°24 | 19°11 | 27°39 | 11°14 | 12°19 | 17°22 | 18°37 | F 28 |
| S 29 | 20 57 25 | 13° 4'40 | 2♋23 | 8°44 | 8°41 | 8°11 | 27°56 | 20°16 | 9°25 | 19°12 | 27°39 | 11° 7 | 12°16 | 17°28 | 18°36 | S 29 |
| S 30 | 21 1 22 | 14° 2'21 | 16°36 | 10° 1 | 9°54 | 8°49 | 27°53 | 20°23 | 9°26 | 19°12 | 27°40 | 10°59 | 12°13 | 17°35 | 18°35 | S 30 |
| M31 | 21 5 19 | 15♌ 0'03 | 1♌14 | 11♍17 | 11♍ 7 | 9♍27 | 27♐50 | 20♍29 | 9♏27 | 19♉13 | 27♉40 | 10♈50 | 12♈10 | 17♓42 | 18♈34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n31 | 28n 7 | 4n44 | 23n34 | 1n45 | 20n39 | 1n29 | 15n45 | 1n 9 | 23s30 | 0n 1 | 6n54 | 2n10 | 14s17 | 0n23 | 15n46 | 1s45 | 7n38 | 12s18 | 5n26 | 5n27 | 8s30 | 8n22 | 1n 9 |
| S 2 | 22 24 | 28 14 | 4 59 | 23 16 | 1 47 | 20 22 | 1 30 | 15 33 | 1 9 | 23 30 | 0 1 | 6 52 | 2 10 | 14 17 | 0 23 | 15 46 | 1 45 | 7 38 | 12 19 | 5 22 | 5 25 | 8 27 | 8 23 | 1 9 |
| M 3 | 22 17 | 26 28 | 4 57 | 22 55 | 1 48 | 20 4 | 1 30 | 15 20 | 1 8 | 23 30 | 0 1 | 6 50 | 2 10 | 14 17 | 0 23 | 15 47 | 1 45 | 7 38 | 12 19 | 5 17 | 5 24 | 8 24 | 8 23 | 1 9 |
| T 4 | 22 9 | 22 54 | 4 34 | 22 33 | 1 49 | 19 45 | 1 31 | 15 8 | 1 8 | 23 30 | 0 1 | 6 48 | 2 10 | 14 17 | 0 23 | 15 47 | 1 45 | 7 38 | 12 19 | 5 13 | 5 23 | 8 21 | 8 23 | 1 9 |
| W 5 | 22 1 | 17 52 | 3 54 | 22 8 | 1 49 | 19 26 | 1 31 | 14 55 | 1 8 | 23 31 | 0 1 | 6 46 | 2 10 | 14 17 | 0 23 | 15 47 | 1 45 | 7 38 | 12 19 | 5 10 | 5 22 | 8 17 | 8 23 | 1 9 |
| T 6 | 21 52 | 11 48 | 2 58 | 21 42 | 1 48 | 19 6 | 1 32 | 14 42 | 1 7 | 23 31 | 0 1 | 6 43 | 2 10 | 14 16 | 0 23 | 15 48 | 1 46 | 7 38 | 12 19 | 5 7 | 5 20 | 8 14 | 8 24 | 1 9 |
| F 7 | 21 43 | 5 8 | 1 51 | 21 14 | 1 47 | 18 46 | 1 32 | 14 29 | 1 7 | 23 31 | 0 0 | 6 41 | 2 9 | 14 16 | 0 23 | 15 48 | 1 46 | 7 38 | 12 19 | 5 6 | 5 19 | 8 11 | 8 24 | 1 9 |
| S 8 | 21 33 | 1s41 | 0 38 | 20 45 | 1 45 | 18 26 | 1 32 | 14 17 | 1 6 | 23 31 | 0 0 | 6 39 | 2 9 | 14 16 | 0 23 | 15 48 | 1 46 | 7 38 | 12 20 | 5 5 | 5 18 | 8 7 | 8 24 | 1 9 |
| S 9 | 21 24 | 8 20 | 0s37 | 20 14 | 1 43 | 18 5 | 1 33 | 14 3 | 1 6 | 23 31 | 0 0 | 6 37 | 2 9 | 14 16 | 0 23 | 15 48 | 1 46 | 7 38 | 12 20 | 5 5 | 5 17 | 8 4 | 8 24 | 1 9 |
| M10 | 21 14 | 14 27 | 1 48 | 19 42 | 1 40 | 17 43 | 1 33 | 13 50 | 1 5 | 23 31 | 0s 0 | 6 35 | 2 9 | 14 16 | 0 23 | 15 49 | 1 46 | 7 38 | 12 20 | 5 5 | 5 15 | 8 1 | 8 24 | 1 9 |
| T 11 | 21 3 | 19 46 | 2 51 | 19 9 | 1 37 | 17 21 | 1 33 | 13 37 | 1 5 | 23 31 | 0 0 | 6 33 | 2 9 | 14 16 | 0 23 | 15 49 | 1 46 | 7 38 | 12 20 | 5 5 | 5 14 | 7 57 | 8 24 | 1 9 |
| W12 | 20 52 | 23 59 | 3 44 | 18 35 | 1 33 | 16 58 | 1 33 | 13 24 | 1 5 | 23 31 | 0 0 | 6 30 | 2 9 | 14 16 | 0 22 | 15 49 | 1 46 | 7 38 | 12 20 | 5 3 | 5 13 | 7 54 | 8 24 | 1 9 |
| T 13 | 20 41 | 26 54 | 4 24 | 18 1 | 1 28 | 16 35 | 1 33 | 13 10 | 1 4 | 23 32 | 0 0 | 6 28 | 2 9 | 14 17 | 0 22 | 15 49 | 1 46 | 7 38 | 12 21 | 5 1 | 5 12 | 7 51 | 8 24 | 1 9 |
| F 14 | 20 29 | 28 19 | 4 50 | 17 25 | 1 23 | 16 12 | 1 32 | 12 57 | 1 4 | 23 32 | 0 1 | 6 26 | 2 9 | 14 17 | 0 22 | 15 50 | 1 46 | 7 38 | 12 21 | 4 57 | 5 10 | 7 47 | 8 24 | 1 9 |
| S 15 | 20 17 | 28 11 | 5 1 | 16 49 | 1 18 | 15 48 | 1 32 | 12 43 | 1 3 | 23 32 | 0 1 | 6 23 | 2 8 | 14 17 | 0 22 | 15 50 | 1 46 | 7 38 | 12 21 | 4 53 | 5 9 | 7 44 | 8 24 | 1 9 |
| S 16 | 20 5 | 26 37 | 4 57 | 16 12 | 1 12 | 15 24 | 1 32 | 12 30 | 1 3 | 23 32 | 0 1 | 6 21 | 2 8 | 14 17 | 0 22 | 15 50 | 1 46 | 7 38 | 12 21 | 4 48 | 5 8 | 7 41 | 8 24 | 1 9 |
| M17 | 19 53 | 23 46 | 4 39 | 15 34 | 1 6 | 14 59 | 1 31 | 12 16 | 1 2 | 23 32 | 0 1 | 6 19 | 2 8 | 14 17 | 0 22 | 15 50 | 1 46 | 7 38 | 12 21 | 4 43 | 5 7 | 7 37 | 8 24 | 1 9 |
| T 18 | 19 40 | 19 53 | 4 9 | 14 56 | 0 59 | 14 34 | 1 31 | 12 2 | 1 2 | 23 32 | 0 1 | 6 16 | 2 8 | 14 17 | 0 22 | 15 51 | 1 46 | 7 38 | 12 22 | 4 39 | 5 6 | 7 34 | 8 24 | 1 9 |
| W19 | 19 26 | 15 15 | 3 27 | 14 18 | 0 53 | 14 9 | 1 30 | 11 48 | 1 2 | 23 32 | 0 1 | 6 14 | 2 8 | 14 17 | 0 22 | 15 51 | 1 46 | 7 38 | 12 22 | 4 35 | 5 4 | 7 31 | 8 24 | 1 9 |
| T 20 | 19 13 | 10 6 | 2 37 | 13 39 | 0 45 | 13 43 | 1 30 | 11 34 | 1 1 | 23 32 | 0 1 | 6 11 | 2 8 | 14 17 | 0 22 | 15 51 | 1 46 | 7 37 | 12 22 | 4 33 | 5 3 | 7 27 | 8 24 | 1 9 |
| F 21 | 18 59 | 4 37 | 1 40 | 13 1 | 0 38 | 13 16 | 1 29 | 11 20 | 1 1 | 23 32 | 0 2 | 6 9 | 2 8 | 14 18 | 0 22 | 15 51 | 1 46 | 7 37 | 12 22 | 4 31 | 5 2 | 7 24 | 8 24 | 1 9 |
| S 22 | 18 45 | 1n 1 | 0 39 | 12 22 | 0 30 | 12 50 | 1 28 | 11 6 | 1 0 | 23 32 | 0 2 | 6 6 | 2 8 | 14 18 | 0 22 | 15 51 | 1 46 | 7 37 | 12 22 | 4 31 | 5 1 | 7 21 | 8 24 | 1 9 |
| S 23 | 18 30 | 6 38 | 0n24 | 11 43 | 0 22 | 12 23 | 1 27 | 10 52 | 1 0 | 23 32 | 0 2 | 6 4 | 2 7 | 14 18 | 0 22 | 15 51 | 1 46 | 7 37 | 12 23 | 4 30 | 4 59 | 7 17 | 8 24 | 1 9 |
| M24 | 18 15 | 12 5 | 1 27 | 11 4 | 0 14 | 11 56 | 1 27 | 10 38 | 0 59 | 23 33 | 0 2 | 6 1 | 2 7 | 14 18 | 0 22 | 15 52 | 1 46 | 7 37 | 12 23 | 4 31 | 4 58 | 7 14 | 8 23 | 1 9 |
| T 25 | 18 0 | 17 11 | 2 27 | 10 25 | 0 5 | 11 28 | 1 26 | 10 23 | 0 59 | 23 33 | 0 2 | 5 59 | 2 7 | 14 19 | 0 22 | 15 52 | 1 47 | 7 37 | 12 23 | 4 31 | 4 57 | 7 11 | 8 23 | 1 9 |
| W26 | 17 45 | 21 42 | 3 21 | 9 46 | 0s 3 | 11 1 | 1 25 | 10 9 | 0 59 | 23 33 | 0 2 | 5 56 | 2 7 | 14 19 | 0 22 | 15 52 | 1 47 | 7 37 | 12 23 | 4 31 | 4 56 | 7 7 | 8 23 | 1 9 |
| T 27 | 17 29 | 25 19 | 4 8 | 9 7 | 0 12 | 10 32 | 1 23 | 9 54 | 0 58 | 23 33 | 0 2 | 5 54 | 2 7 | 14 19 | 0 22 | 15 52 | 1 47 | 7 37 | 12 23 | 4 29 | 4 54 | 7 4 | 8 23 | 1 8 |
| F 28 | 17 13 | 27 43 | 4 42 | 8 29 | 0 21 | 10 4 | 1 22 | 9 40 | 0 58 | 23 33 | 0 2 | 5 51 | 2 7 | 14 20 | 0 22 | 15 52 | 1 47 | 7 37 | 12 24 | 4 28 | 4 53 | 7 1 | 8 22 | 1 8 |
| S 29 | 16 57 | 28 32 | 5 2 | 7 51 | 0 31 | 9 35 | 1 21 | 9 25 | 0 57 | 23 33 | 0 3 | 5 49 | 2 7 | 14 20 | 0 22 | 15 52 | 1 47 | 7 37 | 12 24 | 4 25 | 4 52 | 6 57 | 8 22 | 1 8 |
| S 30 | 16 40 | 27 31 | 5 4 | 7 13 | 0 40 | 9 7 | 1 20 | 9 10 | 0 57 | 23 33 | 0 3 | 5 46 | 2 7 | 14 20 | 0 22 | 15 52 | 1 47 | 7 37 | 12 24 | 4 22 | 4 51 | 6 54 | 8 22 | 1 8 |
| M31 | 16n23 | 24n36 | 4n47 | 6n36 | 0s50 | 8n37 | 1n18 | 8n55 | 0n56 | 23s33 | 0s 3 | 5n43 | 2n 7 | 14s21 | 0n22 | 15n52 | 1s47 | 7n36 | 12s24 | 4n18 | 4n49 | 6s51 | 8n21 | 1n 8 |

Julian Day Number = 2229301.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'07, Lahiri = 15°22'08 Julian Calendar 1 July 1391 == Greg. Calendar 9 July 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## AUGUST 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 9 15 | 15♌57'47 | 16♌ 9 | 12♍30 | 12♍20 | 10♍ 5 | 27°R47 | 20♍36 | 9♏28 | 19♉13 | 27♉40 | 10°R42 | 12♈ 7 | 17♓48 | 18°R34 | T 1 |
| W 2 | 21 13 12 | 16°55'32 | 1♍13 | 13°41 | 13°34 | 10°43 | 27♐44 | 20°42 | 9°29 | 19°13 | 27°41 | 10♈36 | 12° 3 | 17°55 | 18♈33 | W 2 |
| T 3 | 21 17 8 | 17°53'18 | 16°15 | 14°50 | 14°47 | 11°21 | 27°42 | 20°49 | 9°30 | 19°14 | 27°41 | 10°31 | 12° 0 | 18° 2 | 18°32 | T 3 |
| F 4 | 21 21 5 | 18°51'06 | 1♎ 8 | 15°57 | 16° 0 | 12° 0 | 27°39 | 20°55 | 9°32 | 19°14 | 27°42 | 10°29 | 11°57 | 18° 8 | 18°30 | F 4 |
| S 5 | 21 25 1 | 19°48'55 | 15°44 | 17° 1 | 17°13 | 12°38 | 27°37 | 21° 2 | 9°33 | 19°15 | 27°42 | 10°D29 | 11°54 | 18°15 | 18°29 | S 5 |
| S 6 | 21 28 58 | 20°46'45 | 0♏ 0 | 18° 3 | 18°26 | 13°16 | 27°35 | 21° 9 | 9°34 | 19°15 | 27°42 | 10°30 | 11°51 | 18°22 | 18°28 | S 6 |
| M 7 | 21 32 54 | 21°44'36 | 13°55 | 19° 2 | 19°38 | 13°54 | 27°33 | 21°16 | 9°36 | 19°15 | 27°43 | 10°31 | 11°47 | 18°28 | 18°27 | M 7 |
| T 8 | 21 36 51 | 22°42'28 | 27°29 | 19°59 | 20°51 | 14°33 | 27°31 | 21°22 | 9°37 | 19°15 | 27°43 | 10°R31 | 11°44 | 18°35 | 18°26 | T 8 |
| W 9 | 21 40 48 | 23°40'22 | 10♐43 | 20°53 | 22° 4 | 15°11 | 27°30 | 21°29 | 9°39 | 19°16 | 27°43 | 10°29 | 11°41 | 18°42 | 18°24 | W 9 |
| T 10 | 21 44 44 | 24°38'17 | 23°40 | 21°44 | 23°17 | 15°50 | 27°28 | 21°36 | 9°40 | 19°16 | 27°43 | 10°26 | 11°38 | 18°48 | 18°23 | T 10 |
| F 11 | 21 48 41 | 25°36'14 | 6♑22 | 22°31 | 24°30 | 16°28 | 27°27 | 21°43 | 9°42 | 19°16 | 27°43 | 10°21 | 11°35 | 18°55 | 18°22 | F 11 |
| S 12 | 21 52 37 | 26°34'12 | 18°51 | 23°16 | 25°43 | 17° 7 | 27°26 | 21°50 | 9°43 | 19°16 | 27°44 | 10°14 | 11°32 | 19° 2 | 18°20 | S 12 |
| S 13 | 21 56 34 | 27°32'11 | 1♒ 9 | 23°56 | 26°56 | 17°45 | 27°26 | 21°57 | 9°45 | 19°16 | 27°44 | 10° 6 | 11°28 | 19° 8 | 18°19 | S 13 |
| M14 | 22 0 30 | 28°30'12 | 13°18 | 24°33 | 28° 8 | 18°24 | 27°25 | 22° 4 | 9°47 | 19°16 | 27°44 | 9°58 | 11°25 | 19°15 | 18°17 | M14 |
| T 15 | 22 4 27 | 29°28'14 | 25°19 | 25° 6 | 29°21 | 19° 2 | 27°25 | 22°11 | 9°49 | 19°R16 | 27°44 | 9°51 | 11°22 | 19°22 | 18°15 | T 15 |
| W16 | 22 8 23 | 0♍26'18 | 7♓13 | 25°34 | 0♎34 | 19°41 | 27°D24 | 22°18 | 9°50 | 19°16 | 27°44 | 9°46 | 11°19 | 19°28 | 18°14 | W16 |
| T 17 | 22 12 20 | 1°24'24 | 19° 3 | 25°57 | 1°47 | 20°20 | 27°24 | 22°25 | 9°52 | 19°16 | 27°44 | 9°42 | 11°16 | 19°35 | 18°12 | T 17 |
| F 18 | 22 16 17 | 2°22'31 | 0♈50 | 26°16 | 2°59 | 20°59 | 27°25 | 22°32 | 9°54 | 19°16 | 27°44 | 9°40 | 11°13 | 19°42 | 18°10 | F 18 |
| S 19 | 22 20 13 | 3°20'41 | 12°38 | 26°30 | 4°12 | 21°37 | 27°25 | 22°39 | 9°56 | 19°16 | 27°44 | 9°D39 | 11° 9 | 19°48 | 18° 9 | S 19 |
| S 20 | 22 24 10 | 4°18'52 | 24°29 | 26°38 | 5°25 | 22°16 | 27°26 | 22°46 | 9°58 | 19°16 | 27°R44 | 9°40 | 11° 6 | 19°55 | 18° 7 | S 20 |
| M21 | 22 28 6 | 5°17'05 | 6♉28 | 26°R40 | 6°37 | 22°55 | 27°26 | 22°53 | 10° 0 | 19°16 | 27°44 | 9°42 | 11° 3 | 20° 2 | 18° 5 | M21 |
| T 22 | 22 32 3 | 6°15'20 | 18°39 | 26°36 | 7°50 | 23°34 | 27°27 | 23° 1 | 10° 2 | 19°15 | 27°44 | 9°44 | 11° 0 | 20° 8 | 18° 3 | T 22 |
| W23 | 22 35 59 | 7°13'38 | 1♊ 6 | 26°25 | 9° 2 | 24°13 | 27°28 | 23° 8 | 10° 4 | 19°15 | 27°44 | 9°45 | 10°57 | 20°15 | 18° 1 | W23 |
| T 24 | 22 39 56 | 8°11'58 | 13°53 | 26° 9 | 10°15 | 24°52 | 27°30 | 23°15 | 10° 7 | 19°15 | 27°44 | 9°R45 | 10°53 | 20°21 | 17°59 | T 24 |
| F 25 | 22 43 52 | 9°10'19 | 27° 6 | 25°45 | 11°27 | 25°31 | 27°31 | 23°22 | 10° 9 | 19°15 | 27°44 | 9°43 | 10°50 | 20°28 | 17°57 | F 25 |
| S 26 | 22 47 49 | 10° 8'43 | 10♋46 | 25°15 | 12°40 | 26°10 | 27°33 | 23°29 | 10°11 | 19°14 | 27°44 | 9°41 | 10°47 | 20°35 | 17°55 | S 26 |
| S 27 | 22 51 46 | 11° 7'10 | 24°55 | 24°39 | 13°52 | 26°49 | 27°35 | 23°37 | 10°13 | 19°14 | 27°44 | 9°37 | 10°44 | 20°41 | 17°53 | S 27 |
| M28 | 22 55 42 | 12° 5'38 | 9♌29 | 23°56 | 15° 5 | 27°28 | 27°37 | 23°44 | 10°16 | 19°13 | 27°44 | 9°33 | 10°41 | 20°48 | 17°51 | M28 |
| T 29 | 22 59 39 | 13° 4'08 | 24°25 | 23° 7 | 16°17 | 28° 7 | 27°39 | 23°51 | 10°18 | 19°13 | 27°43 | 9°30 | 10°38 | 20°55 | 17°48 | T 29 |
| W30 | 23 3 35 | 14° 2'40 | 9♍35 | 22°13 | 17°29 | 28°47 | 27°42 | 23°59 | 10°21 | 19°12 | 27°43 | 9°27 | 10°34 | 21° 1 | 17°46 | W30 |
| T 31 | 23 7 32 | 15♍ 1'14 | 24♍48 | 21♍15 | 18♎42 | 29♍26 | 27♐44 | 24♍ 6 | 10♏23 | 19♉12 | 27♉43 | 9♈25 | 10♈31 | 21♓ 8 | 17♈44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 6 | 20n 1 | 4n 9 | 5n59 | 1s 0 | 8n 8 | 1n17 | 8n41 | 0n56 | 23s33 | 0s 3 | 5n41 | 2n 7 | 14s21 | 0n22 | 15n52 | 1s47 | 7n36 | 12s24 | 4n15 | 4n48 | 6s47 | 8n21 | 1n 8 |
| W 2 | 15 49 | 14 7 | 3 15 | 5 22 | 1 9 | 7 39 | 1 15 | 8 26 | 0 55 | 23 33 | 0 3 | 5 38 | 2 7 | 14 21 | 0 22 | 15 52 | 1 47 | 7 36 | 12 25 | 4 12 | 4 47 | 6 44 | 8 21 | 1 8 |
| T 3 | 15 31 | 7 23 | 2 7 | 4 47 | 1 19 | 7 9 | 1 14 | 8 11 | 0 55 | 23 33 | 0 3 | 5 35 | 2 7 | 14 22 | 0 22 | 15 53 | 1 47 | 7 36 | 12 25 | 4 11 | 4 46 | 6 41 | 8 20 | 1 8 |
| F 4 | 15 13 | 0 19 | 0 50 | 4 12 | 1 29 | 6 39 | 1 12 | 7 56 | 0 54 | 23 33 | 0 3 | 5 33 | 2 6 | 14 22 | 0 22 | 15 53 | 1 47 | 7 36 | 12 25 | 4 10 | 4 44 | 6 37 | 8 20 | 1 8 |
| S 5 | 14 55 | 6s39 | 0s28 | 3 37 | 1 39 | 6 9 | 1 10 | 7 40 | 0 54 | 23 33 | 0 4 | 5 30 | 2 6 | 14 23 | 0 22 | 15 53 | 1 47 | 7 36 | 12 25 | 4 10 | 4 43 | 6 34 | 8 19 | 1 8 |
| S 6 | 14 37 | 13 7 | 1 43 | 3 4 | 1 49 | 5 39 | 1 8 | 7 25 | 0 54 | 23 34 | 0 4 | 5 27 | 2 6 | 14 23 | 0 22 | 15 53 | 1 47 | 7 36 | 12 26 | 4 10 | 4 42 | 6 30 | 8 19 | 1 8 |
| M 7 | 14 18 | 18 47 | 2 50 | 2 31 | 1 59 | 5 8 | 1 7 | 7 10 | 0 53 | 23 34 | 0 4 | 5 25 | 2 6 | 14 23 | 0 22 | 15 53 | 1 47 | 7 35 | 12 26 | 4 11 | 4 41 | 6 27 | 8 18 | 1 8 |
| T 8 | 14 0 | 23 20 | 3 46 | 2 0 | 2 9 | 4 38 | 1 5 | 6 55 | 0 53 | 23 34 | 0 4 | 5 22 | 2 6 | 14 24 | 0 22 | 15 53 | 1 47 | 7 35 | 12 26 | 4 11 | 4 39 | 6 24 | 8 18 | 1 8 |
| W 9 | 13 40 | 26 33 | 4 28 | 1 29 | 2 19 | 4 7 | 1 3 | 6 39 | 0 52 | 23 34 | 0 4 | 5 19 | 2 6 | 14 24 | 0 22 | 15 53 | 1 47 | 7 35 | 12 26 | 4 10 | 4 38 | 6 20 | 8 17 | 1 8 |
| T 10 | 13 21 | 28 17 | 4 56 | 1 0 | 2 29 | 3 36 | 1 1 | 6 24 | 0 52 | 23 34 | 0 4 | 5 16 | 2 6 | 14 25 | 0 22 | 15 53 | 1 47 | 7 35 | 12 27 | 4 9 | 4 37 | 6 17 | 8 17 | 1 8 |
| F 11 | 13 2 | 28 29 | 5 8 | 0 32 | 2 39 | 3 5 | 0 58 | 6 9 | 0 51 | 23 34 | 0 4 | 5 14 | 2 6 | 14 26 | 0 22 | 15 53 | 1 48 | 7 35 | 12 27 | 4 7 | 4 36 | 6 14 | 8 16 | 1 8 |
| S 12 | 12 42 | 27 13 | 5 5 | 0 6 | 2 49 | 2 34 | 0 56 | 5 53 | 0 51 | 23 34 | 0 4 | 5 11 | 2 6 | 14 26 | 0 22 | 15 53 | 1 48 | 7 35 | 12 27 | 4 4 | 4 34 | 6 10 | 8 16 | 1 8 |
| S 13 | 12 22 | 24 39 | 4 48 | 0s19 | 2 58 | 2 3 | 0 54 | 5 38 | 0 50 | 23 34 | 0 4 | 5 8 | 2 6 | 14 27 | 0 22 | 15 53 | 1 48 | 7 34 | 12 27 | 4 1 | 4 33 | 6 7 | 8 15 | 1 8 |
| M14 | 12 2 | 21 1 | 4 19 | 0 42 | 3 8 | 1 32 | 0 52 | 5 22 | 0 50 | 23 34 | 0 5 | 5 5 | 2 6 | 14 27 | 0 22 | 15 53 | 1 48 | 7 34 | 12 27 | 3 58 | 4 32 | 6 4 | 8 14 | 1 8 |
| T 15 | 11 42 | 16 32 | 3 38 | 1 3 | 3 16 | 1 1 | 0 49 | 5 6 | 0 49 | 23 34 | 0 5 | 5 2 | 2 6 | 14 28 | 0 22 | 15 52 | 1 48 | 7 34 | 12 28 | 3 55 | 4 31 | 6 0 | 8 14 | 1 8 |
| W16 | 11 21 | 11 28 | 2 47 | 1 22 | 3 25 | 0 30 | 0 47 | 4 51 | 0 49 | 23 35 | 0 5 | 4 59 | 2 6 | 14 28 | 0 22 | 15 52 | 1 48 | 7 34 | 12 28 | 3 53 | 4 29 | 5 57 | 8 13 | 1 8 |
| T 17 | 11 1 | 6 2 | 1 50 | 1 39 | 3 33 | 0s 2 | 0 44 | 4 35 | 0 48 | 23 35 | 0 5 | 4 57 | 2 6 | 14 29 | 0 21 | 15 52 | 1 48 | 7 34 | 12 28 | 3 51 | 4 28 | 5 53 | 8 13 | 1 8 |
| F 18 | 10 40 | 0 24 | 0 48 | 1 53 | 3 41 | 0 33 | 0 42 | 4 19 | 0 48 | 23 35 | 0 5 | 4 54 | 2 6 | 14 30 | 0 21 | 15 52 | 1 48 | 7 33 | 12 28 | 3 50 | 4 27 | 5 50 | 8 12 | 1 8 |
| S 19 | 10 19 | 5n15 | 0n16 | 2 5 | 3 48 | 1 4 | 0 39 | 4 4 | 0 48 | 23 35 | 0 5 | 4 51 | 2 6 | 14 30 | 0 21 | 15 52 | 1 48 | 7 33 | 12 29 | 3 50 | 4 26 | 5 47 | 8 11 | 1 8 |
| S 20 | 9 58 | 10 46 | 1 20 | 2 14 | 3 54 | 1 36 | 0 37 | 3 48 | 0 47 | 23 35 | 0 5 | 4 48 | 2 6 | 14 31 | 0 21 | 15 52 | 1 48 | 7 33 | 12 29 | 3 51 | 4 24 | 5 43 | 8 10 | 1 8 |
| M21 | 9 36 | 15 57 | 2 21 | 2 20 | 4 0 | 2 7 | 0 34 | 3 32 | 0 47 | 23 35 | 0 5 | 4 45 | 2 6 | 14 32 | 0 21 | 15 52 | 1 48 | 7 33 | 12 29 | 3 51 | 4 23 | 5 40 | 8 10 | 1 8 |
| T 22 | 9 15 | 20 35 | 3 17 | 2 23 | 4 5 | 2 38 | 0 31 | 3 16 | 0 46 | 23 35 | 0 6 | 4 42 | 2 6 | 14 32 | 0 21 | 15 52 | 1 48 | 7 32 | 12 29 | 3 52 | 4 22 | 5 36 | 8 9 | 1 8 |
| W23 | 8 53 | 24 27 | 4 5 | 2 22 | 4 9 | 3 9 | 0 29 | 3 0 | 0 46 | 23 35 | 0 6 | 4 39 | 2 6 | 14 33 | 0 21 | 15 52 | 1 48 | 7 32 | 12 29 | 3 52 | 4 21 | 5 33 | 8 8 | 1 8 |
| T 24 | 8 31 | 27 13 | 4 42 | 2 18 | 4 11 | 3 41 | 0 26 | 2 44 | 0 45 | 23 36 | 0 6 | 4 37 | 2 6 | 14 34 | 0 21 | 15 52 | 1 48 | 7 32 | 12 30 | 3 52 | 4 19 | 5 30 | 8 7 | 1 8 |
| F 25 | 8 9 | 28 35 | 5 6 | 2 10 | 4 12 | 4 12 | 0 23 | 2 28 | 0 45 | 23 36 | 0 6 | 4 34 | 2 6 | 14 34 | 0 21 | 15 51 | 1 48 | 7 32 | 12 30 | 3 52 | 4 18 | 5 26 | 8 6 | 1 8 |
| S 26 | 7 47 | 28 17 | 5 13 | 1 58 | 4 12 | 4 43 | 0 20 | 2 12 | 0 44 | 23 36 | 0 6 | 4 31 | 2 6 | 14 35 | 0 21 | 15 51 | 1 48 | 7 31 | 12 30 | 3 51 | 4 17 | 5 23 | 8 6 | 1 8 |
| S 27 | 7 25 | 26 11 | 5 3 | 1 42 | 4 10 | 5 14 | 0 17 | 1 56 | 0 44 | 23 36 | 0 6 | 4 28 | 2 6 | 14 36 | 0 21 | 15 51 | 1 48 | 7 31 | 12 30 | 3 49 | 4 16 | 5 20 | 8 5 | 1 8 |
| M28 | 7 3 | 22 18 | 4 32 | 1 22 | 4 7 | 5 45 | 0 14 | 1 40 | 0 43 | 23 36 | 0 6 | 4 25 | 2 6 | 14 37 | 0 21 | 15 51 | 1 48 | 7 31 | 12 31 | 3 48 | 4 14 | 5 16 | 8 4 | 1 8 |
| T 29 | 6 40 | 16 55 | 3 43 | 0 58 | 4 2 | 6 15 | 0 11 | 1 24 | 0 43 | 23 36 | 0 6 | 4 22 | 2 6 | 14 37 | 0 21 | 15 51 | 1 49 | 7 31 | 12 31 | 3 46 | 4 13 | 5 13 | 8 3 | 1 8 |
| W30 | 6 18 | 10 25 | 2 37 | 0 30 | 3 55 | 6 46 | 0 8 | 1 8 | 0 42 | 23 36 | 0 6 | 4 19 | 2 6 | 14 38 | 0 21 | 15 51 | 1 49 | 7 30 | 12 31 | 3 45 | 4 12 | 5 9 | 8 2 | 1 8 |
| T 31 | 5n55 | 3n17 | 1n20 | 0n 2 | 3s45 | 7s17 | 0n 5 | 0n52 | 0n42 | 23s37 | 0s 6 | 4n16 | 2n 6 | 14s39 | 0n21 | 15n50 | 1s49 | 7n30 | 12s31 | 3n45 | 4n11 | 5s 6 | 8n 1 | 1n 7 |

Julian Day Number = 2229332.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'12, Lahiri = 15°22'12 Julian Calendar 1 Aug. 1391 == Greg. Calendar 9 Aug. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## SEPTEMBER 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 11 28 | 15♍59'50 | 9♎55 | 20°R14 | 19♎54 | 0♎ 5 | 27♐47 | 24♍13 | 10♏26 | 19°R11 | 27°R43 | 9°D24 | 10♈28 | 21♓15 | 17°R41 | F 1 |
| S 2 | 23 15 25 | 16°58'28 | 24°47 | 19♍10 | 21° 6 | 0°45 | 27°50 | 24°21 | 10°28 | 19♉11 | 27♉43 | 9♈25 | 10°25 | 21°21 | 17♈39 | S 2 |
| S 3 | 23 19 21 | 17°57'08 | 9♏19 | 18° 6 | 22°19 | 1°24 | 27°53 | 24°28 | 10°31 | 19°10 | 27°42 | 9°26 | 10°22 | 21°28 | 17°37 | S 3 |
| M 4 | 23 23 18 | 18°55'49 | 23°25 | 17° 3 | 23°31 | 2° 3 | 27°57 | 24°36 | 10°33 | 19°10 | 27°42 | 9°27 | 10°18 | 21°35 | 17°34 | M 4 |
| T 5 | 23 27 15 | 19°54'33 | 7♐ 7 | 16° 2 | 24°43 | 2°43 | 28° 0 | 24°43 | 10°36 | 19° 9 | 27°42 | 9°29 | 10°15 | 21°41 | 17°32 | T 5 |
| W 6 | 23 31 11 | 20°53'17 | 20°23 | 15° 6 | 25°55 | 3°22 | 28° 4 | 24°50 | 10°39 | 19° 8 | 27°41 | 9°R29 | 10°12 | 21°48 | 17°29 | W 6 |
| T 7 | 23 35 8 | 21°52'04 | 3♑17 | 14°15 | 27° 7 | 4° 2 | 28° 8 | 24°58 | 10°41 | 19° 8 | 27°41 | 9°29 | 10° 9 | 21°55 | 17°27 | T 7 |
| F 8 | 23 39 4 | 22°50'53 | 15°53 | 13°30 | 28°19 | 4°41 | 28°12 | 25° 5 | 10°44 | 19° 7 | 27°41 | 9°27 | 10° 6 | 22° 1 | 17°24 | F 8 |
| S 9 | 23 43 1 | 23°49'43 | 28°13 | 12°54 | 29°31 | 5°21 | 28°16 | 25°12 | 10°47 | 19° 6 | 27°40 | 9°26 | 10° 3 | 22° 8 | 17°22 | S 9 |
| S 10 | 23 46 57 | 24°48'35 | 10♒21 | 12°27 | 0♏43 | 6° 1 | 28°21 | 25°20 | 10°50 | 19° 5 | 27°40 | 9°23 | 9°59 | 22°15 | 17°19 | S 10 |
| M11 | 23 50 54 | 25°47'28 | 22°20 | 12°10 | 1°55 | 6°40 | 28°25 | 25°27 | 10°53 | 19° 4 | 27°39 | 9°21 | 9°56 | 22°21 | 17°17 | M11 |
| T 12 | 23 54 50 | 26°46'24 | 4♓13 | 12°D 3 | 3° 7 | 7°20 | 28°30 | 25°35 | 10°56 | 19° 3 | 27°39 | 9°19 | 9°53 | 22°28 | 17°14 | T 12 |
| W13 | 23 58 47 | 27°45'22 | 16° 2 | 12° 6 | 4°19 | 8° 0 | 28°35 | 25°42 | 10°59 | 19° 3 | 27°38 | 9°18 | 9°50 | 22°35 | 17°11 | W13 |
| T 14 | 0 2 44 | 28°44'21 | 27°51 | 12°19 | 5°31 | 8°40 | 28°40 | 25°49 | 11° 1 | 19° 2 | 27°38 | 9°17 | 9°47 | 22°41 | 17° 9 | T 14 |
| F 15 | 0 6 40 | 29°43'23 | 9♈40 | 12°42 | 6°43 | 9°20 | 28°46 | 25°57 | 11° 4 | 19° 1 | 27°37 | 9°D17 | 9°44 | 22°48 | 17° 6 | F 15 |
| S 16 | 0 10 37 | 0♎42'26 | 21°32 | 13°15 | 7°55 | 10° 0 | 28°51 | 26° 4 | 11° 8 | 19° 0 | 27°37 | 9°17 | 9°40 | 22°54 | 17° 3 | S 16 |
| S 17 | 0 14 33 | 1°41'32 | 3♉30 | 13°57 | 9° 6 | 10°40 | 28°57 | 26°12 | 11°11 | 18°59 | 27°36 | 9°18 | 9°37 | 23° 1 | 17° 1 | S 17 |
| M18 | 0 18 30 | 2°40'40 | 15°35 | 14°48 | 10°18 | 11°20 | 29° 2 | 26°19 | 11°14 | 18°58 | 27°36 | 9°18 | 9°34 | 23° 8 | 16°58 | M18 |
| T 19 | 0 22 26 | 3°39'51 | 27°52 | 15°46 | 11°30 | 12° 0 | 29° 8 | 26°26 | 11°17 | 18°57 | 27°35 | 9°19 | 9°31 | 23°14 | 16°55 | T 19 |
| W20 | 0 26 23 | 4°39'03 | 10♊23 | 16°51 | 12°41 | 12°40 | 29°15 | 26°34 | 11°20 | 18°55 | 27°34 | 9°20 | 9°28 | 23°21 | 16°52 | W20 |
| T 21 | 0 30 19 | 5°38'19 | 23°11 | 18° 3 | 13°53 | 13°20 | 29°21 | 26°41 | 11°23 | 18°54 | 27°34 | 9°20 | 9°24 | 23°28 | 16°49 | T 21 |
| F 22 | 0 34 16 | 6°37'36 | 6♋19 | 19°20 | 15° 4 | 14° 0 | 29°27 | 26°48 | 11°26 | 18°53 | 27°33 | 9°R20 | 9°21 | 23°34 | 16°47 | F 22 |
| S 23 | 0 38 12 | 7°36'56 | 19°51 | 20°42 | 16°16 | 14°40 | 29°34 | 26°56 | 11°30 | 18°52 | 27°32 | 9°20 | 9°18 | 23°41 | 16°44 | S 23 |
| S 24 | 0 42 9 | 8°36'18 | 3♌47 | 22° 8 | 17°27 | 15°21 | 29°41 | 27° 3 | 11°33 | 18°51 | 27°32 | 9°20 | 9°15 | 23°48 | 16°41 | S 24 |
| M25 | 0 46 6 | 9°35'43 | 18° 8 | 23°38 | 18°38 | 16° 1 | 29°47 | 27°10 | 11°36 | 18°50 | 27°31 | 9°D20 | 9°12 | 23°54 | 16°38 | M25 |
| T 26 | 0 50 2 | 10°35'10 | 2♍50 | 25°10 | 19°50 | 16°41 | 29°54 | 27°18 | 11°39 | 18°48 | 27°30 | 9°20 | 9° 9 | 24° 1 | 16°35 | T 26 |
| W27 | 0 53 59 | 11°34'39 | 17°48 | 26°45 | 21° 1 | 17°22 | 0♑ 2 | 27°25 | 11°43 | 18°47 | 27°30 | 9°20 | 9° 5 | 24° 8 | 16°32 | W27 |
| T 28 | 0 57 55 | 12°34'10 | 2♎55 | 28°22 | 22°12 | 18° 2 | 0° 9 | 27°32 | 11°46 | 18°46 | 27°29 | 9°R20 | 9° 2 | 24°14 | 16°29 | T 28 |
| F 29 | 1 1 52 | 13°33'43 | 18° 3 | 0♎ 1 | 23°23 | 18°43 | 0°16 | 27°39 | 11°50 | 18°45 | 27°28 | 9°20 | 8°59 | 24°21 | 16°27 | F 29 |
| S 30 | 1 5 48 | 14♎33'19 | 3♏ 1 | 1♎41 | 24♏34 | 19♎23 | 0♑24 | 27♍47 | 11♏53 | 18♉43 | 27♉27 | 9♈20 | 8♈56 | 24♓28 | 16♈24 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n32 | 3s59 | 0s 3 | 0n36 | 3s34 | 7s47 | 0n 2 | 0n36 | 0n41 | 23s37 | 0s 7 | 4n13 | 2n 6 | 14s40 | 0n21 | 15n50 | 1s49 | 7n30 | 12s31 | 3n44 | 4n 9 | 5s 3 | 8n 0 | 1n 7 |
| S 2 | 5 10 | 10 56 | 1 24 | 1 13 | 3 21 | 8 17 | 0s 2 | 0 20 | 0 41 | 23 37 | 0 7 | 4 10 | 2 6 | 14 41 | 0 21 | 15 50 | 1 49 | 7 30 | 12 32 | 3 45 | 4 8 | 4 59 | 7 59 | 1 7 |
| S 3 | 4 47 | 17 8 | 2 38 | 1 51 | 3 7 | 8 47 | 0 5 | 0 3 | 0 40 | 23 37 | 0 7 | 4 7 | 2 6 | 14 42 | 0 21 | 15 50 | 1 49 | 7 29 | 12 32 | 3 45 | 4 7 | 4 56 | 7 58 | 1 7 |
| M 4 | 4 24 | 22 14 | 3 40 | 2 31 | 2 50 | 9 17 | 0 8 | 0s13 | 0 40 | 23 37 | 0 7 | 4 5 | 2 6 | 14 42 | 0 21 | 15 50 | 1 49 | 7 29 | 12 32 | 3 46 | 4 6 | 4 52 | 7 57 | 1 7 |
| T 5 | 4 1 | 25 58 | 4 27 | 3 11 | 2 33 | 9 47 | 0 11 | 0 29 | 0 39 | 23 37 | 0 7 | 4 2 | 2 6 | 14 43 | 0 21 | 15 49 | 1 49 | 7 29 | 12 32 | 3 46 | 4 4 | 4 49 | 7 56 | 1 7 |
| W 6 | 3 37 | 28 8 | 4 59 | 3 50 | 2 14 | 10 16 | 0 14 | 0 45 | 0 39 | 23 38 | 0 7 | 3 59 | 2 6 | 14 44 | 0 21 | 15 49 | 1 49 | 7 29 | 12 33 | 3 46 | 4 3 | 4 46 | 7 55 | 1 7 |
| T 7 | 3 14 | 28 43 | 5 14 | 4 28 | 1 54 | 10 45 | 0 18 | 1 1 | 0 38 | 23 38 | 0 7 | 3 56 | 2 6 | 14 45 | 0 21 | 15 49 | 1 49 | 7 28 | 12 33 | 3 46 | 4 2 | 4 42 | 7 54 | 1 7 |
| F 8 | 2 51 | 27 46 | 5 14 | 5 3 | 1 34 | 11 15 | 0 21 | 1 18 | 0 38 | 23 38 | 0 7 | 3 53 | 2 6 | 14 46 | 0 21 | 15 49 | 1 49 | 7 28 | 12 33 | 3 46 | 4 1 | 4 39 | 7 53 | 1 7 |
| S 9 | 2 28 | 25 28 | 4 59 | 5 36 | 1 14 | 11 43 | 0 24 | 1 34 | 0 37 | 23 38 | 0 7 | 3 50 | 2 6 | 14 47 | 0 21 | 15 48 | 1 49 | 7 28 | 12 33 | 3 45 | 3 59 | 4 35 | 7 52 | 1 7 |
| S 10 | 2 4 | 22 3 | 4 31 | 6 5 | 0 54 | 12 12 | 0 28 | 1 50 | 0 37 | 23 38 | 0 8 | 3 47 | 2 6 | 14 48 | 0 21 | 15 48 | 1 49 | 7 27 | 12 33 | 3 44 | 3 58 | 4 32 | 7 51 | 1 7 |
| M11 | 1 41 | 17 46 | 3 52 | 6 29 | 0 35 | 12 40 | 0 31 | 2 6 | 0 36 | 23 38 | 0 8 | 3 44 | 2 6 | 14 49 | 0 21 | 15 48 | 1 49 | 7 27 | 12 34 | 3 43 | 3 57 | 4 28 | 7 50 | 1 7 |
| T 12 | 1 17 | 12 49 | 3 2 | 6 49 | 0 16 | 13 8 | 0 34 | 2 23 | 0 36 | 23 38 | 0 8 | 3 41 | 2 6 | 14 49 | 0 21 | 15 48 | 1 49 | 7 27 | 12 34 | 3 42 | 3 56 | 4 25 | 7 49 | 1 7 |
| W13 | 0 54 | 7 27 | 2 5 | 7 5 | 0n 2 | 13 36 | 0 38 | 2 39 | 0 35 | 23 39 | 0 8 | 3 38 | 2 6 | 14 50 | 0 21 | 15 47 | 1 49 | 7 27 | 12 34 | 3 42 | 3 54 | 4 22 | 7 48 | 1 7 |
| T 14 | 0 30 | 1 49 | 1 3 | 7 15 | 0 19 | 14 3 | 0 41 | 2 55 | 0 35 | 23 39 | 0 8 | 3 35 | 2 6 | 14 51 | 0 21 | 15 47 | 1 49 | 7 26 | 12 34 | 3 41 | 3 53 | 4 18 | 7 47 | 1 7 |
| F 15 | 0 7 | 3n52 | 0n 2 | 7 20 | 0 34 | 14 30 | 0 45 | 3 11 | 0 34 | 23 39 | 0 8 | 3 32 | 2 6 | 14 52 | 0 21 | 15 47 | 1 49 | 7 26 | 12 34 | 3 41 | 3 52 | 4 15 | 7 46 | 1 7 |
| S 16 | 0s17 | 9 28 | 1 8 | 7 21 | 0 48 | 14 57 | 0 48 | 3 27 | 0 34 | 23 39 | 0 8 | 3 30 | 2 6 | 14 53 | 0 21 | 15 46 | 1 49 | 7 26 | 12 35 | 3 41 | 3 51 | 4 11 | 7 45 | 1 7 |
| S 17 | 0 41 | 14 46 | 2 10 | 7 16 | 1 1 | 15 23 | 0 51 | 3 44 | 0 33 | 23 39 | 0 8 | 3 27 | 2 6 | 14 54 | 0 21 | 15 46 | 1 49 | 7 25 | 12 35 | 3 42 | 3 49 | 4 8 | 7 44 | 1 7 |
| M18 | 1 4 | 19 34 | 3 8 | 7 7 | 1 13 | 15 49 | 0 55 | 4 0 | 0 33 | 23 39 | 0 8 | 3 24 | 2 6 | 14 55 | 0 21 | 15 46 | 1 50 | 7 25 | 12 35 | 3 42 | 3 48 | 4 5 | 7 43 | 1 7 |
| T 19 | 1 28 | 23 37 | 3 58 | 6 54 | 1 23 | 16 15 | 0 58 | 4 16 | 0 32 | 23 39 | 0 8 | 3 21 | 2 6 | 14 56 | 0 21 | 15 45 | 1 50 | 7 25 | 12 35 | 3 42 | 3 47 | 4 1 | 7 41 | 1 6 |
| W20 | 1 51 | 26 40 | 4 38 | 6 37 | 1 31 | 16 40 | 1 2 | 4 32 | 0 32 | 23 40 | 0 8 | 3 18 | 2 6 | 14 57 | 0 21 | 15 45 | 1 50 | 7 24 | 12 35 | 3 42 | 3 46 | 3 58 | 7 40 | 1 6 |
| T 21 | 2 15 | 28 26 | 5 5 | 6 15 | 1 39 | 17 5 | 1 5 | 4 48 | 0 31 | 23 40 | 0 9 | 3 15 | 2 6 | 14 58 | 0 21 | 15 45 | 1 50 | 7 24 | 12 35 | 3 43 | 3 44 | 3 54 | 7 39 | 1 6 |
| F 22 | 2 38 | 28 39 | 5 17 | 5 51 | 1 45 | 17 30 | 1 8 | 5 4 | 0 30 | 23 40 | 0 9 | 3 12 | 2 6 | 14 59 | 0 21 | 15 44 | 1 50 | 7 24 | 12 36 | 3 43 | 3 43 | 3 51 | 7 38 | 1 6 |
| S 23 | 3 2 | 27 12 | 5 12 | 5 23 | 1 50 | 17 54 | 1 12 | 5 21 | 0 30 | 23 40 | 0 9 | 3 9 | 2 6 | 15 0 | 0 21 | 15 44 | 1 50 | 7 24 | 12 36 | 3 43 | 3 42 | 3 47 | 7 37 | 1 6 |
| S 24 | 3 25 | 24 3 | 4 49 | 4 52 | 1 54 | 18 18 | 1 15 | 5 37 | 0 29 | 23 40 | 0 9 | 3 7 | 2 6 | 15 1 | 0 21 | 15 44 | 1 50 | 7 23 | 12 36 | 3 43 | 3 41 | 3 44 | 7 36 | 1 6 |
| M25 | 3 49 | 19 23 | 4 8 | 4 19 | 1 56 | 18 41 | 1 18 | 5 53 | 0 29 | 23 40 | 0 9 | 3 4 | 2 7 | 15 2 | 0 21 | 15 43 | 1 50 | 7 23 | 12 36 | 3 43 | 3 39 | 3 41 | 7 35 | 1 6 |
| T 26 | 4 12 | 13 27 | 3 9 | 3 44 | 1 58 | 19 4 | 1 22 | 6 9 | 0 28 | 23 40 | 0 9 | 3 1 | 2 7 | 15 3 | 0 21 | 15 43 | 1 50 | 7 23 | 12 36 | 3 43 | 3 38 | 3 37 | 7 33 | 1 6 |
| W27 | 4 36 | 6 38 | 1 57 | 3 6 | 1 59 | 19 26 | 1 25 | 6 25 | 0 28 | 23 40 | 0 9 | 2 58 | 2 7 | 15 4 | 0 21 | 15 43 | 1 50 | 7 22 | 12 37 | 3 43 | 3 37 | 3 34 | 7 32 | 1 6 |
| T 28 | 4 59 | 0s37 | 0 36 | 2 28 | 1 59 | 19 48 | 1 28 | 6 41 | 0 27 | 23 40 | 0 9 | 2 55 | 2 7 | 15 5 | 0 21 | 15 42 | 1 50 | 7 22 | 12 37 | 3 43 | 3 36 | 3 30 | 7 31 | 1 6 |
| F 29 | 5 22 | 7 51 | 0s48 | 1 48 | 1 58 | 20 9 | 1 31 | 6 57 | 0 27 | 23 40 | 0 9 | 2 52 | 2 7 | 15 7 | 0 21 | 15 42 | 1 50 | 7 22 | 12 37 | 3 43 | 3 34 | 3 27 | 7 30 | 1 6 |
| S 30 | 5s45 | 14s34 | 2s 8 | 1n 6 | 1n56 | 20s30 | 1s35 | 7s13 | 0n26 | 23s41 | 0s 9 | 2n50 | 2n 7 | 15s 8 | 0n21 | 15n41 | 1s50 | 7n21 | 12s37 | 3n43 | 3n33 | 3s23 | 7n29 | 1n 6 |

Julian Day Number = 2229363.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'16, Lahiri = 15°22'16 Julian Calendar 1 Sept. 1391 == Greg. Calendar 9 Sept. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## OCTOBER 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 9 45 | 15♎32'56 | 17♏42 | 3♎22 | 25♏46 | 20♎ 4 | 0♑32 | 27♍54 | 11♏56 | 18°R42 | 27°R27 | 9°R19 | 8♈53 | 24♓34 | 16°R21 | S 1 |
| M 2 | 1 13 41 | 16°32'35 | 2♐ 0 | 5° 3 | 26°57 | 20°44 | 0°40 | 28° 1 | 12° 0 | 18♉41 | 27♉26 | 9♈18 | 8°50 | 24°41 | 16♈18 | M 2 |
| T 3 | 1 17 38 | 17°32'17 | 15°51 | 6°45 | 28° 8 | 21°25 | 0°48 | 28° 8 | 12° 3 | 18°39 | 27°25 | 9°18 | 8°46 | 24°48 | 16°15 | T 3 |
| W 4 | 1 21 35 | 18°32'00 | 29°16 | 8°27 | 29°18 | 22° 6 | 0°56 | 28°15 | 12° 7 | 18°38 | 27°24 | 9°17 | 8°43 | 24°54 | 16°12 | W 4 |
| T 5 | 1 25 31 | 19°31'44 | 12♑14 | 10° 9 | 0♐29 | 22°47 | 1° 4 | 28°22 | 12°10 | 18°36 | 27°23 | 9°16 | 8°40 | 25° 1 | 16° 9 | T 5 |
| F 6 | 1 29 28 | 20°31'31 | 24°51 | 11°52 | 1°40 | 23°27 | 1°13 | 28°29 | 12°14 | 18°35 | 27°22 | 9°D16 | 8°37 | 25° 7 | 16° 6 | F 6 |
| S 7 | 1 33 24 | 21°31'19 | 7♒ 8 | 13°34 | 2°51 | 24° 8 | 1°21 | 28°36 | 12°17 | 18°33 | 27°22 | 9°17 | 8°34 | 25°14 | 16° 4 | S 7 |
| S 8 | 1 37 21 | 22°31'09 | 19°12 | 15°16 | 4° 1 | 24°49 | 1°30 | 28°43 | 12°21 | 18°32 | 27°21 | 9°18 | 8°30 | 25°21 | 16° 1 | S 8 |
| M 9 | 1 41 17 | 23°31'00 | 1♓ 6 | 16°57 | 5°12 | 25°30 | 1°39 | 28°50 | 12°24 | 18°30 | 27°20 | 9°19 | 8°27 | 25°27 | 15°58 | M 9 |
| T 10 | 1 45 14 | 24°30'53 | 12°55 | 18°38 | 6°22 | 26°11 | 1°48 | 28°57 | 12°28 | 18°29 | 27°19 | 9°20 | 8°24 | 25°34 | 15°55 | T 10 |
| W11 | 1 49 10 | 25°30'48 | 24°43 | 20°19 | 7°33 | 26°52 | 1°57 | 29° 4 | 12°32 | 18°27 | 27°18 | 9°21 | 8°21 | 25°41 | 15°52 | W11 |
| T 12 | 1 53 7 | 26°30'45 | 6♈32 | 22° 0 | 8°43 | 27°33 | 2° 6 | 29°11 | 12°35 | 18°26 | 27°17 | 9°R22 | 8°18 | 25°47 | 15°49 | T 12 |
| F 13 | 1 57 4 | 27°30'44 | 18°26 | 23°40 | 9°53 | 28°14 | 2°15 | 29°18 | 12°39 | 18°24 | 27°16 | 9°22 | 8°15 | 25°54 | 15°46 | F 13 |
| S 14 | 2 1 0 | 28°30'44 | 0♉27 | 25°19 | 11° 4 | 28°56 | 2°25 | 29°25 | 12°42 | 18°23 | 27°15 | 9°21 | 8°11 | 26° 1 | 15°44 | S 14 |
| S 15 | 2 4 57 | 29°30'47 | 12°36 | 26°59 | 12°14 | 29°37 | 2°35 | 29°31 | 12°46 | 18°21 | 27°14 | 9°18 | 8° 8 | 26° 7 | 15°41 | S 15 |
| M16 | 2 8 53 | 0♏30'52 | 24°56 | 28°37 | 13°24 | 0♏18 | 2°44 | 29°38 | 12°50 | 18°20 | 27°13 | 9°15 | 8° 5 | 26°14 | 15°38 | M16 |
| T 17 | 2 12 50 | 1°30'58 | 7♊26 | 0♏16 | 14°33 | 0°59 | 2°54 | 29°45 | 12°53 | 18°18 | 27°12 | 9°12 | 8° 2 | 26°21 | 15°35 | T 17 |
| W18 | 2 16 46 | 2°31'07 | 20°10 | 1°53 | 15°43 | 1°41 | 3° 4 | 29°52 | 12°57 | 18°16 | 27°11 | 9° 8 | 7°59 | 26°27 | 15°33 | W18 |
| T 19 | 2 20 43 | 3°31'17 | 3♋ 7 | 3°31 | 16°53 | 2°22 | 3°14 | 29°58 | 13° 1 | 18°15 | 27°10 | 9° 5 | 7°55 | 26°34 | 15°30 | T 19 |
| F 20 | 2 24 39 | 4°31'30 | 16°20 | 5° 8 | 18° 3 | 3° 4 | 3°24 | 0♎ 5 | 13° 5 | 18°13 | 27° 9 | 9° 2 | 7°52 | 26°41 | 15°27 | F 20 |
| S 21 | 2 28 36 | 5°31'45 | 29°49 | 6°45 | 19°12 | 3°45 | 3°34 | 0°11 | 13° 8 | 18°11 | 27° 8 | 9°D 1 | 7°49 | 26°47 | 15°25 | S 21 |
| S 22 | 2 32 33 | 6°32'02 | 13♌35 | 8°21 | 20°22 | 4°27 | 3°45 | 0°18 | 13°12 | 18°10 | 27° 7 | 9° 1 | 7°46 | 26°54 | 15°22 | S 22 |
| M23 | 2 36 29 | 7°32'21 | 27°40 | 9°57 | 21°31 | 5° 8 | 3°55 | 0°24 | 13°16 | 18° 8 | 27° 6 | 9° 2 | 7°43 | 27° 0 | 15°19 | M23 |
| T 24 | 2 40 26 | 8°32'42 | 12♍ 1 | 11°32 | 22°40 | 5°50 | 4° 6 | 0°31 | 13°19 | 18° 7 | 27° 5 | 9° 4 | 7°40 | 27° 7 | 15°17 | T 24 |
| W25 | 2 44 22 | 9°33'05 | 26°37 | 13° 7 | 23°49 | 6°32 | 4°17 | 0°37 | 13°23 | 18° 5 | 27° 4 | 9° 5 | 7°36 | 27°14 | 15°14 | W25 |
| T 26 | 2 48 19 | 10°33'30 | 11♎24 | 14°42 | 24°58 | 7°13 | 4°27 | 0°43 | 13°27 | 18° 3 | 27° 3 | 9°R 6 | 7°33 | 27°20 | 15°12 | T 26 |
| F 27 | 2 52 15 | 11°33'56 | 26°15 | 16°17 | 26° 7 | 7°55 | 4°38 | 0°49 | 13°31 | 18° 1 | 27° 1 | 9° 4 | 7°30 | 27°27 | 15° 9 | F 27 |
| S 28 | 2 56 12 | 12°34'25 | 11♏ 2 | 17°51 | 27°16 | 8°37 | 4°49 | 0°55 | 13°34 | 18° 0 | 27° 0 | 9° 2 | 7°27 | 27°34 | 15° 7 | S 28 |
| S 29 | 3 0 8 | 13°34'55 | 25°39 | 19°25 | 28°25 | 9°19 | 5° 0 | 1° 2 | 13°38 | 17°58 | 26°59 | 8°57 | 7°24 | 27°40 | 15° 4 | S 29 |
| M30 | 3 4 5 | 14°35'27 | 9♐58 | 20°59 | 29°33 | 10° 1 | 5°11 | 1° 8 | 13°42 | 17°56 | 26°58 | 8°52 | 7°21 | 27°47 | 15° 2 | M30 |
| T 31 | 3 8 2 | 15♏36'00 | 23♐54 | 22♏32 | 0♑41 | 10♏43 | 5♑23 | 1♎14 | 13♏46 | 17♉55 | 26♉57 | 8♈46 | 7♈17 | 27♓54 | 14♈59 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s 8 | 20s20 | 3s17 | 0n24 | 1n54 | 20s51 | 1s38 | 7s28 | 0n26 | 23s41 | 0s 9 | 2n47 | 2n 7 | 15s 9 | 0n21 | 15n41 | 1s50 | 7n21 | 12s37 | 3n42 | 3n32 | 3s20 | 7n27 | 1n 6 |
| M 2 | 6 32 | 24 45 | 4 13 | 0s19 | 1 51 | 21 11 | 1 41 | 7 44 | 0 25 | 23 41 | 0 10 | 2 44 | 2 7 | 15 10 | 0 20 | 15 41 | 1 50 | 7 21 | 12 37 | 3 42 | 3 31 | 3 17 | 7 26 | 1 5 |
| T 3 | 6 54 | 27 36 | 4 51 | 1 2 | 1 48 | 21 30 | 1 44 | 8 0 | 0 25 | 23 41 | 0 10 | 2 41 | 2 7 | 15 11 | 0 20 | 15 40 | 1 50 | 7 20 | 12 37 | 3 42 | 3 29 | 3 13 | 7 25 | 1 5 |
| W 4 | 7 17 | 28 44 | 5 13 | 1 46 | 1 44 | 21 49 | 1 47 | 8 16 | 0 24 | 23 41 | 0 10 | 2 39 | 2 7 | 15 12 | 0 20 | 15 40 | 1 50 | 7 20 | 12 38 | 3 41 | 3 28 | 3 10 | 7 24 | 1 5 |
| T 5 | 7 40 | 28 13 | 5 17 | 2 30 | 1 40 | 22 7 | 1 50 | 8 32 | 0 23 | 23 41 | 0 10 | 2 36 | 2 7 | 15 13 | 0 20 | 15 39 | 1 50 | 7 20 | 12 38 | 3 41 | 3 27 | 3 6 | 7 23 | 1 5 |
| F 6 | 8 3 | 26 15 | 5 6 | 3 14 | 1 36 | 22 25 | 1 53 | 8 47 | 0 23 | 23 41 | 0 10 | 2 33 | 2 8 | 15 14 | 0 20 | 15 39 | 1 50 | 7 19 | 12 38 | 3 41 | 3 26 | 3 3 | 7 21 | 1 5 |
| S 7 | 8 25 | 23 4 | 4 41 | 3 59 | 1 31 | 22 42 | 1 56 | 9 3 | 0 22 | 23 41 | 0 10 | 2 30 | 2 8 | 15 15 | 0 20 | 15 38 | 1 50 | 7 19 | 12 38 | 3 41 | 3 24 | 2 59 | 7 20 | 1 5 |
| S 8 | 8 48 | 18 58 | 4 4 | 4 43 | 1 26 | 22 58 | 1 59 | 9 18 | 0 22 | 23 41 | 0 10 | 2 28 | 2 8 | 15 16 | 0 20 | 15 38 | 1 50 | 7 19 | 12 38 | 3 42 | 3 23 | 2 56 | 7 19 | 1 5 |
| M 9 | 9 10 | 14 11 | 3 17 | 5 27 | 1 20 | 23 14 | 2 2 | 9 34 | 0 21 | 23 41 | 0 10 | 2 25 | 2 8 | 15 17 | 0 20 | 15 38 | 1 50 | 7 19 | 12 38 | 3 42 | 3 22 | 2 53 | 7 18 | 1 5 |
| T 10 | 9 32 | 8 54 | 2 21 | 6 11 | 1 15 | 23 29 | 2 4 | 9 49 | 0 21 | 23 41 | 0 10 | 2 22 | 2 8 | 15 18 | 0 20 | 15 37 | 1 50 | 7 18 | 12 38 | 3 43 | 3 21 | 2 49 | 7 17 | 1 5 |
| W11 | 9 54 | 3 20 | 1 20 | 6 54 | 1 9 | 23 44 | 2 7 | 10 5 | 0 20 | 23 41 | 0 10 | 2 20 | 2 8 | 15 20 | 0 20 | 15 37 | 1 50 | 7 18 | 12 38 | 3 43 | 3 19 | 2 46 | 7 16 | 1 5 |
| T 12 | 10 16 | 2n22 | 0 16 | 7 38 | 1 3 | 23 58 | 2 10 | 10 20 | 0 20 | 23 41 | 0 10 | 2 17 | 2 8 | 15 21 | 0 20 | 15 36 | 1 50 | 7 18 | 12 39 | 3 43 | 3 18 | 2 42 | 7 14 | 1 5 |
| F 13 | 10 37 | 8 1 | 0n50 | 8 21 | 0 56 | 24 11 | 2 12 | 10 35 | 0 19 | 23 41 | 0 10 | 2 15 | 2 8 | 15 22 | 0 20 | 15 36 | 1 50 | 7 17 | 12 39 | 3 43 | 3 17 | 2 39 | 7 13 | 1 5 |
| S 14 | 10 59 | 13 27 | 1 54 | 9 3 | 0 50 | 24 24 | 2 15 | 10 51 | 0 18 | 23 40 | 0 11 | 2 12 | 2 9 | 15 23 | 0 20 | 15 35 | 1 50 | 7 17 | 12 39 | 3 43 | 3 16 | 2 35 | 7 12 | 1 4 |
| S 15 | 11 20 | 18 25 | 2 53 | 9 45 | 0 44 | 24 36 | 2 17 | 11 6 | 0 18 | 23 40 | 0 11 | 2 9 | 2 9 | 15 24 | 0 20 | 15 35 | 1 50 | 7 17 | 12 39 | 3 42 | 3 14 | 2 32 | 7 11 | 1 4 |
| M16 | 11 41 | 22 42 | 3 45 | 10 26 | 0 37 | 24 48 | 2 20 | 11 21 | 0 17 | 23 40 | 0 11 | 2 7 | 2 9 | 15 25 | 0 20 | 15 34 | 1 50 | 7 16 | 12 39 | 3 41 | 3 13 | 2 28 | 7 10 | 1 4 |
| T 17 | 12 2 | 26 1 | 4 28 | 11 7 | 0 31 | 24 58 | 2 22 | 11 36 | 0 17 | 23 40 | 0 11 | 2 4 | 2 9 | 15 26 | 0 20 | 15 34 | 1 50 | 7 16 | 12 39 | 3 39 | 3 12 | 2 25 | 7 9 | 1 4 |
| W18 | 12 23 | 28 6 | 4 57 | 11 48 | 0 24 | 25 9 | 2 24 | 11 51 | 0 16 | 23 40 | 0 11 | 2 2 | 2 9 | 15 27 | 0 20 | 15 34 | 1 50 | 7 16 | 12 39 | 3 38 | 3 11 | 2 22 | 7 7 | 1 4 |
| T 19 | 12 44 | 28 42 | 5 13 | 12 27 | 0 17 | 25 18 | 2 26 | 12 6 | 0 16 | 23 40 | 0 11 | 1 59 | 2 9 | 15 29 | 0 20 | 15 33 | 1 50 | 7 16 | 12 39 | 3 37 | 3 9 | 2 18 | 7 6 | 1 4 |
| F 20 | 13 4 | 27 40 | 5 12 | 13 7 | 0 11 | 25 27 | 2 28 | 12 20 | 0 15 | 23 40 | 0 11 | 1 57 | 2 9 | 15 30 | 0 20 | 15 33 | 1 50 | 7 15 | 12 39 | 3 36 | 3 8 | 2 15 | 7 5 | 1 4 |
| S 21 | 13 25 | 25 3 | 4 54 | 13 45 | 0 4 | 25 35 | 2 30 | 12 35 | 0 14 | 23 39 | 0 11 | 1 54 | 2 10 | 15 31 | 0 20 | 15 32 | 1 50 | 7 15 | 12 39 | 3 35 | 3 7 | 2 11 | 7 4 | 1 4 |
| S 22 | 13 45 | 20 56 | 4 19 | 14 23 | 0s 3 | 25 42 | 2 32 | 12 50 | 0 14 | 23 39 | 0 11 | 1 52 | 2 10 | 15 32 | 0 20 | 15 32 | 1 50 | 7 15 | 12 39 | 3 35 | 3 5 | 2 8 | 7 3 | 1 4 |
| M23 | 14 4 | 15 35 | 3 28 | 15 0 | 0 9 | 25 49 | 2 34 | 13 4 | 0 13 | 23 39 | 0 11 | 1 49 | 2 10 | 15 33 | 0 20 | 15 31 | 1 50 | 7 14 | 12 39 | 3 36 | 3 4 | 2 4 | 7 2 | 1 4 |
| T 24 | 14 24 | 9 17 | 2 23 | 15 36 | 0 16 | 25 55 | 2 36 | 13 19 | 0 13 | 23 39 | 0 11 | 1 47 | 2 10 | 15 34 | 0 20 | 15 31 | 1 51 | 7 14 | 12 39 | 3 36 | 3 3 | 2 1 | 7 1 | 1 3 |
| W25 | 14 43 | 2 23 | 1 8 | 16 11 | 0 23 | 26 0 | 2 38 | 13 33 | 0 12 | 23 38 | 0 11 | 1 45 | 2 10 | 15 35 | 0 20 | 15 30 | 1 51 | 7 14 | 12 40 | 3 37 | 3 2 | 1 57 | 7 0 | 1 3 |
| T 26 | 15 2 | 4s43 | 0s13 | 16 46 | 0 29 | 26 5 | 2 39 | 13 47 | 0 12 | 23 38 | 0 11 | 1 42 | 2 10 | 15 36 | 0 20 | 15 30 | 1 51 | 7 14 | 12 40 | 3 37 | 3 0 | 1 54 | 6 58 | 1 3 |
| F 27 | 15 21 | 11 36 | 1 33 | 17 20 | 0 36 | 26 8 | 2 41 | 14 1 | 0 11 | 23 38 | 0 12 | 1 40 | 2 11 | 15 38 | 0 20 | 15 29 | 1 51 | 7 13 | 12 40 | 3 37 | 2 59 | 1 51 | 6 57 | 1 3 |
| S 28 | 15 40 | 17 49 | 2 46 | 17 53 | 0 42 | 26 12 | 2 42 | 14 16 | 0 10 | 23 38 | 0 12 | 1 38 | 2 11 | 15 39 | 0 20 | 15 29 | 1 51 | 7 13 | 12 40 | 3 35 | 2 58 | 1 47 | 6 56 | 1 3 |
| S 29 | 15 58 | 22 55 | 3 47 | 18 25 | 0 48 | 26 14 | 2 43 | 14 29 | 0 10 | 23 37 | 0 12 | 1 35 | 2 11 | 15 40 | 0 20 | 15 28 | 1 51 | 7 13 | 12 40 | 3 34 | 2 57 | 1 44 | 6 55 | 1 3 |
| M30 | 16 16 | 26 31 | 4 33 | 18 56 | 0 55 | 26 16 | 2 44 | 14 43 | 0 9 | 23 37 | 0 12 | 1 33 | 2 11 | 15 41 | 0 20 | 15 28 | 1 51 | 7 12 | 12 40 | 3 32 | 2 55 | 1 40 | 6 54 | 1 3 |
| T 31 | 16s34 | 28s23 | 5s 1 | 19s27 | 1s 1 | 26s17 | 2s45 | 14s57 | 0n 9 | 23s37 | 0s12 | 1n31 | 2n11 | 15s42 | 0n20 | 15n27 | 1s51 | 7n12 | 12s40 | 3n29 | 2n54 | 1s37 | 6n53 | 1n 3 |

Julian Day Number = 2229393.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'20, Lahiri = 15°22'20 Julian Calendar 1 Oct. 1391 == Greg. Calendar 9 Oct. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## NOVEMBER 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 11 58 | 16♏36'35 | 7♑24 | 24♏ 5 | 1♑50 | 11♏25 | 5♑34 | 1♎20 | 13♏49 | 17°R53 | 26°R56 | 8°R40 | 7♈14 | 28♓ 0 | 14°R57 | W 1 |
| T 2 | 3 15 55 | 17°37'11 | 20°28 | 25°38 | 2°58 | 12° 7 | 5°46 | 1°26 | 13°53 | 17♉51 | 26♉55 | 8♈35 | 7°11 | 28° 7 | 14♈55 | T 2 |
| F 3 | 3 19 51 | 18°37'48 | 3♒ 8 | 27°11 | 4° 6 | 12°49 | 5°57 | 1°31 | 13°57 | 17°50 | 26°54 | 8°32 | 7° 8 | 28°14 | 14°52 | F 3 |
| S 4 | 3 23 48 | 19°38'27 | 15°28 | 28°43 | 5°14 | 13°31 | 6° 9 | 1°37 | 14° 0 | 17°48 | 26°53 | 8°D31 | 7° 5 | 28°20 | 14°50 | S 4 |
| S 5 | 3 27 44 | 20°39'06 | 27°32 | 0♐16 | 6°21 | 14°13 | 6°20 | 1°43 | 14° 4 | 17°46 | 26°51 | 8°31 | 7° 1 | 28°27 | 14°48 | S 5 |
| M 6 | 3 31 41 | 21°39'47 | 9♓25 | 1°48 | 7°29 | 14°56 | 6°32 | 1°48 | 14° 8 | 17°45 | 26°50 | 8°32 | 6°58 | 28°34 | 14°46 | M 6 |
| T 7 | 3 35 37 | 22°40'29 | 21°13 | 3°20 | 8°36 | 15°38 | 6°44 | 1°54 | 14°12 | 17°43 | 26°49 | 8°34 | 6°55 | 28°40 | 14°44 | T 7 |
| W 8 | 3 39 34 | 23°41'11 | 3♈ 1 | 4°52 | 9°43 | 16°20 | 6°56 | 2° 0 | 14°15 | 17°41 | 26°48 | 8°R35 | 6°52 | 28°47 | 14°41 | W 8 |
| T 9 | 3 43 31 | 24°41'56 | 14°53 | 6°23 | 10°50 | 17° 3 | 7° 8 | 2° 5 | 14°19 | 17°39 | 26°47 | 8°35 | 6°49 | 28°53 | 14°39 | T 9 |
| F 10 | 3 47 27 | 25°42'41 | 26°52 | 7°55 | 11°57 | 17°45 | 7°20 | 2°10 | 14°23 | 17°38 | 26°46 | 8°33 | 6°46 | 29° 0 | 14°37 | F 10 |
| S 11 | 3 51 24 | 26°43'27 | 9♉ 3 | 9°26 | 13° 3 | 18°28 | 7°32 | 2°16 | 14°26 | 17°36 | 26°45 | 8°29 | 6°42 | 29° 7 | 14°35 | S 11 |
| S 12 | 3 55 20 | 27°44'15 | 21°26 | 10°57 | 14°10 | 19°10 | 7°45 | 2°21 | 14°30 | 17°34 | 26°44 | 8°22 | 6°39 | 29°13 | 14°34 | S 12 |
| M13 | 3 59 17 | 28°45'04 | 4♊ 4 | 12°27 | 15°16 | 19°53 | 7°57 | 2°26 | 14°34 | 17°33 | 26°42 | 8°14 | 6°36 | 29°20 | 14°32 | M13 |
| T 14 | 4 3 13 | 29°45'54 | 16°55 | 13°58 | 16°22 | 20°35 | 8°10 | 2°31 | 14°37 | 17°31 | 26°41 | 8° 5 | 6°33 | 29°27 | 14°30 | T 14 |
| W15 | 4 7 10 | 0♐46'46 | 29°59 | 15°28 | 17°27 | 21°18 | 8°22 | 2°36 | 14°41 | 17°29 | 26°40 | 7°55 | 6°30 | 29°33 | 14°28 | W15 |
| T 16 | 4 11 6 | 1°47'39 | 13♋17 | 16°57 | 18°33 | 22° 1 | 8°35 | 2°41 | 14°45 | 17°28 | 26°39 | 7°46 | 6°27 | 29°40 | 14°26 | T 16 |
| F 17 | 4 15 3 | 2°48'33 | 26°45 | 18°27 | 19°38 | 22°43 | 8°47 | 2°46 | 14°48 | 17°26 | 26°38 | 7°39 | 6°23 | 29°47 | 14°25 | F 17 |
| S 18 | 4 19 0 | 3°49'28 | 10♌24 | 19°55 | 20°43 | 23°26 | 9° 0 | 2°51 | 14°52 | 17°25 | 26°37 | 7°34 | 6°20 | 29°53 | 14°23 | S 18 |
| S 19 | 4 22 56 | 4°50'25 | 24°12 | 21°24 | 21°48 | 24° 9 | 9°13 | 2°56 | 14°55 | 17°23 | 26°36 | 7°31 | 6°17 | 29°59 | 14°21 | S 19 |
| M20 | 4 26 53 | 5°51'22 | 8♍10 | 22°51 | 22°52 | 24°52 | 9°25 | 3° 0 | 14°59 | 17°21 | 26°34 | 7°D31 | 6°14 | 0♈ 7 | 14°20 | M20 |
| T 21 | 4 30 49 | 6°52'22 | 22°16 | 24°18 | 23°56 | 25°35 | 9°38 | 3° 5 | 15° 2 | 17°20 | 26°33 | 7°31 | 6°11 | 0°13 | 14°18 | T 21 |
| W22 | 4 34 46 | 7°53'22 | 6♎30 | 25°44 | 25° 0 | 26°18 | 9°51 | 3° 9 | 15° 6 | 17°18 | 26°32 | 7°R32 | 6° 7 | 0°20 | 14°17 | W22 |
| T 23 | 4 38 42 | 8°54'24 | 20°51 | 27° 8 | 26° 4 | 27° 1 | 10° 4 | 3°14 | 15° 9 | 17°17 | 26°31 | 7°31 | 6° 4 | 0°27 | 14°15 | T 23 |
| F 24 | 4 42 39 | 9°55'26 | 5♏15 | 28°32 | 27° 7 | 27°44 | 10°17 | 3°18 | 15°13 | 17°15 | 26°30 | 7°28 | 6° 1 | 0°33 | 14°14 | F 24 |
| S 25 | 4 46 36 | 10°56'30 | 19°38 | 29°54 | 28°10 | 28°27 | 10°30 | 3°22 | 15°16 | 17°14 | 26°29 | 7°22 | 5°58 | 0°40 | 14°13 | S 25 |
| S 26 | 4 50 32 | 11°57'35 | 3♐55 | 1♑14 | 29°12 | 29°10 | 10°43 | 3°26 | 15°20 | 17°12 | 26°28 | 7°14 | 5°55 | 0°46 | 14°12 | S 26 |
| M27 | 4 54 29 | 12°58'41 | 18° 0 | 2°32 | 0♒15 | 29°54 | 10°57 | 3°30 | 15°23 | 17°11 | 26°27 | 7° 3 | 5°52 | 0°53 | 14°10 | M27 |
| T 28 | 4 58 25 | 13°59'47 | 1♑47 | 3°48 | 1°17 | 0♐37 | 11°10 | 3°34 | 15°27 | 17° 9 | 26°26 | 6°51 | 5°48 | 1° 0 | 14° 9 | T 28 |
| W29 | 5 2 22 | 15° 0'54 | 15°13 | 5° 0 | 2°18 | 1°20 | 11°23 | 3°38 | 15°30 | 17° 8 | 26°25 | 6°40 | 5°45 | 1° 6 | 14° 8 | W29 |
| T 30 | 5 6 18 | 16♐ 2'01 | 28♑17 | 6♑10 | 3♒19 | 2♐ 4 | 11♑37 | 3♎42 | 15♏33 | 17♉ 6 | 26♉24 | 6♈30 | 5♈42 | 1♈13 | 14♈ 7 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s52 | 28s29 | 5s11 | 19s56 | 1s 7 | 26s17 | 2s46 | 15s11 | 0n 8 | 23s36 | 0s12 | 1n29 | 2n11 | 15s43 | 0n20 | 15n27 | 1s51 | 7n12 | 12s40 | 3n27 | 2n53 | 1s33 | 6n52 | 1n 3 |
| T 2 | 17 9 | 26 58 | 5 4 | 20 24 | 1 13 | 26 16 | 2 47 | 15 24 | 0 7 | 23 36 | 0 12 | 1 27 | 2 12 | 15 44 | 0 20 | 15 27 | 1 51 | 7 12 | 12 40 | 3 25 | 2 52 | 1 30 | 6 51 | 1 2 |
| F 3 | 17 26 | 24 6 | 4 43 | 20 52 | 1 18 | 26 15 | 2 48 | 15 38 | 0 7 | 23 35 | 0 12 | 1 24 | 2 12 | 15 45 | 0 20 | 15 26 | 1 51 | 7 11 | 12 40 | 3 24 | 2 50 | 1 26 | 6 50 | 1 2 |
| S 4 | 17 42 | 20 13 | 4 9 | 21 18 | 1 24 | 26 13 | 2 49 | 15 51 | 0 6 | 23 35 | 0 12 | 1 22 | 2 12 | 15 47 | 0 20 | 15 26 | 1 51 | 7 11 | 12 40 | 3 23 | 2 49 | 1 23 | 6 49 | 1 2 |
| S 5 | 17 59 | 15 34 | 3 24 | 21 44 | 1 29 | 26 11 | 2 49 | 16 4 | 0 6 | 23 34 | 0 12 | 1 20 | 2 12 | 15 48 | 0 20 | 15 25 | 1 51 | 7 11 | 12 40 | 3 23 | 2 48 | 1 19 | 6 48 | 1 2 |
| M 6 | 18 15 | 10 24 | 2 32 | 22 8 | 1 34 | 26 8 | 2 49 | 16 17 | 0 5 | 23 34 | 0 12 | 1 18 | 2 12 | 15 49 | 0 20 | 15 25 | 1 51 | 7 11 | 12 40 | 3 24 | 2 47 | 1 16 | 6 47 | 1 2 |
| T 7 | 18 30 | 4 55 | 1 33 | 22 31 | 1 39 | 26 4 | 2 50 | 16 30 | 0 4 | 23 33 | 0 12 | 1 16 | 2 13 | 15 50 | 0 20 | 15 24 | 1 50 | 7 10 | 12 40 | 3 24 | 2 45 | 1 13 | 6 46 | 1 2 |
| W 8 | 18 46 | 0n44 | 0 30 | 22 53 | 1 44 | 25 59 | 2 50 | 16 43 | 0 4 | 23 33 | 0 13 | 1 14 | 2 13 | 15 51 | 0 20 | 15 24 | 1 50 | 7 10 | 12 40 | 3 25 | 2 44 | 1 9 | 6 45 | 1 2 |
| T 9 | 19 0 | 6 24 | 0n34 | 23 14 | 1 49 | 25 54 | 2 50 | 16 56 | 0 3 | 23 32 | 0 13 | 1 12 | 2 13 | 15 52 | 0 20 | 15 23 | 1 50 | 7 10 | 12 40 | 3 25 | 2 43 | 1 6 | 6 44 | 1 2 |
| F 10 | 19 15 | 11 54 | 1 37 | 23 34 | 1 53 | 25 48 | 2 50 | 17 8 | 0 3 | 23 32 | 0 13 | 1 10 | 2 13 | 15 53 | 0 20 | 15 23 | 1 50 | 7 10 | 12 40 | 3 24 | 2 42 | 1 2 | 6 44 | 1 1 |
| S 11 | 19 29 | 17 2 | 2 37 | 23 52 | 1 57 | 25 41 | 2 49 | 17 21 | 0 2 | 23 31 | 0 13 | 1 8 | 2 13 | 15 54 | 0 20 | 15 22 | 1 50 | 7 10 | 12 40 | 3 22 | 2 40 | 0 59 | 6 43 | 1 1 |
| S 12 | 19 43 | 21 33 | 3 30 | 24 10 | 2 1 | 25 34 | 2 49 | 17 33 | 0 1 | 23 30 | 0 13 | 1 6 | 2 14 | 15 55 | 0 20 | 15 22 | 1 50 | 7 9 | 12 40 | 3 20 | 2 39 | 0 55 | 6 42 | 1 1 |
| M13 | 19 57 | 25 11 | 4 14 | 24 26 | 2 5 | 25 26 | 2 48 | 17 45 | 0 1 | 23 30 | 0 13 | 1 4 | 2 14 | 15 56 | 0 20 | 15 21 | 1 50 | 7 9 | 12 40 | 3 17 | 2 38 | 0 52 | 6 41 | 1 1 |
| T 14 | 20 10 | 27 37 | 4 45 | 24 40 | 2 8 | 25 17 | 2 48 | 17 57 | 0 0 | 23 29 | 0 13 | 1 3 | 2 14 | 15 58 | 0 20 | 15 21 | 1 50 | 7 9 | 12 40 | 3 13 | 2 37 | 0 48 | 6 40 | 1 1 |
| W15 | 20 23 | 28 34 | 5 3 | 24 54 | 2 11 | 25 8 | 2 47 | 18 9 | 0s 0 | 23 28 | 0 13 | 1 1 | 2 14 | 15 59 | 0 20 | 15 21 | 1 50 | 7 9 | 12 39 | 3 9 | 2 35 | 0 45 | 6 39 | 1 1 |
| T 16 | 20 35 | 27 54 | 5 4 | 25 6 | 2 14 | 24 58 | 2 46 | 18 21 | 0 1 | 23 28 | 0 13 | 0 59 | 2 14 | 16 0 | 0 20 | 15 20 | 1 50 | 7 9 | 12 39 | 3 5 | 2 34 | 0 41 | 6 39 | 1 1 |
| F 17 | 20 48 | 25 36 | 4 49 | 25 16 | 2 16 | 24 48 | 2 45 | 18 33 | 0 2 | 23 27 | 0 13 | 0 57 | 2 15 | 16 1 | 0 20 | 15 20 | 1 50 | 7 8 | 12 39 | 3 3 | 2 33 | 0 38 | 6 38 | 1 1 |
| S 18 | 20 59 | 21 49 | 4 17 | 25 25 | 2 18 | 24 37 | 2 43 | 18 44 | 0 2 | 23 26 | 0 13 | 0 56 | 2 15 | 16 2 | 0 20 | 15 19 | 1 50 | 7 8 | 12 39 | 3 1 | 2 31 | 0 35 | 6 37 | 1 0 |
| S 19 | 21 11 | 16 48 | 3 30 | 25 33 | 2 19 | 24 25 | 2 42 | 18 55 | 0 3 | 23 25 | 0 13 | 0 54 | 2 15 | 16 3 | 0 20 | 15 19 | 1 50 | 7 8 | 12 39 | 3 0 | 2 30 | 0 31 | 6 36 | 1 0 |
| M20 | 21 21 | 10 52 | 2 30 | 25 39 | 2 20 | 24 13 | 2 40 | 19 6 | 0 4 | 23 25 | 0 13 | 0 52 | 2 15 | 16 4 | 0 20 | 15 18 | 1 50 | 7 8 | 12 39 | 2 59 | 2 29 | 0 28 | 6 36 | 1 0 |
| T 21 | 21 32 | 4 19 | 1 21 | 25 44 | 2 20 | 24 0 | 2 39 | 19 17 | 0 4 | 23 24 | 0 14 | 0 51 | 2 16 | 16 5 | 0 20 | 15 18 | 1 50 | 7 8 | 12 39 | 3 0 | 2 28 | 0 24 | 6 35 | 1 0 |
| W22 | 21 42 | 2s30 | 0 5 | 25 47 | 2 20 | 23 46 | 2 37 | 19 28 | 0 5 | 23 23 | 0 14 | 0 49 | 2 16 | 16 6 | 0 20 | 15 18 | 1 50 | 7 8 | 12 39 | 3 0 | 2 26 | 0 21 | 6 34 | 1 0 |
| T 23 | 21 52 | 9 15 | 1s11 | 25 49 | 2 20 | 23 32 | 2 35 | 19 39 | 0 5 | 23 22 | 0 14 | 0 48 | 2 16 | 16 7 | 0 20 | 15 17 | 1 50 | 7 7 | 12 39 | 3 0 | 2 25 | 0 17 | 6 34 | 1 0 |
| F 24 | 22 1 | 15 33 | 2 22 | 25 49 | 2 19 | 23 18 | 2 32 | 19 49 | 0 6 | 23 21 | 0 14 | 0 46 | 2 16 | 16 8 | 0 20 | 15 17 | 1 50 | 7 7 | 12 39 | 2 58 | 2 24 | 0 14 | 6 33 | 1 0 |
| S 25 | 22 10 | 20 59 | 3 25 | 25 48 | 2 17 | 23 3 | 2 30 | 19 59 | 0 7 | 23 20 | 0 14 | 0 45 | 2 17 | 16 9 | 0 20 | 15 16 | 1 50 | 7 7 | 12 39 | 2 56 | 2 23 | 0 10 | 6 32 | 1 0 |
| S 26 | 22 18 | 25 9 | 4 14 | 25 45 | 2 14 | 22 47 | 2 27 | 20 10 | 0 7 | 23 19 | 0 14 | 0 43 | 2 17 | 16 10 | 0 20 | 15 16 | 1 50 | 7 7 | 12 39 | 2 53 | 2 21 | 0 7 | 6 32 | 0 59 |
| M27 | 22 26 | 27 44 | 4 46 | 25 41 | 2 11 | 22 31 | 2 25 | 20 20 | 0 8 | 23 18 | 0 14 | 0 42 | 2 17 | 16 11 | 0 20 | 15 16 | 1 50 | 7 7 | 12 38 | 2 48 | 2 20 | 0 3 | 6 31 | 0 59 |
| T 28 | 22 33 | 28 32 | 5 1 | 25 35 | 2 7 | 22 15 | 2 22 | 20 29 | 0 9 | 23 17 | 0 14 | 0 40 | 2 17 | 16 12 | 0 20 | 15 15 | 1 50 | 7 7 | 12 38 | 2 44 | 2 19 | 0n 0 | 6 31 | 0 59 |
| W29 | 22 41 | 27 36 | 4 59 | 25 28 | 2 2 | 21 58 | 2 19 | 20 39 | 0 9 | 23 16 | 0 14 | 0 39 | 2 18 | 16 13 | 0 20 | 15 15 | 1 50 | 7 7 | 12 38 | 2 39 | 2 18 | 0 4 | 6 30 | 0 59 |
| T 30 | 22s47 | 25s10 | 4s41 | 25s19 | 1s56 | 21s40 | 2s15 | 20s48 | 0s10 | 23s15 | 0s14 | 0n38 | 2n18 | 16s14 | 0n20 | 15n14 | 1s50 | 7n 7 | 12s38 | 2n35 | 2n16 | 0n 7 | 6n29 | 0n59 |

Julian Day Number = 2229424.5, Delta T = 08m06s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'24, Lahiri = 15°22'25 Julian Calendar 1 Nov. 1391 == Greg. Calendar 9 Nov. 1391


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# ASTRODIENST EPHEMERIS for the year 1391
# geocentric

## DECEMBER 1391 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 10 15 | 17♐ 3'09 | 10♒58 | 7♑16 | 4♒20 | 2♐47 | 11♑50 | 3♎46 | 15♏37 | 17°R 5 | 26°R22 | 6°R22 | 5♈39 | 1♈20 | 14°R 6 | F 1 |
| S 2 | 5 14 11 | 18° 4'17 | 23°20 | 8°17 | 5°21 | 3°30 | 12° 3 | 3°49 | 15°40 | 17♉ 3 | 26♉21 | 6♈16 | 5°36 | 1°26 | 14♈ 5 | S 2 |
| S 3 | 5 18 8 | 19° 5'26 | 5♓25 | 9°13 | 6°21 | 4°14 | 12°17 | 3°53 | 15°43 | 17° 2 | 26°20 | 6°13 | 5°33 | 1°33 | 14° 5 | S 3 |
| M 4 | 5 22 5 | 20° 6'34 | 17°19 | 10° 4 | 7°20 | 4°57 | 12°30 | 3°56 | 15°47 | 17° 1 | 26°19 | 6°D12 | 5°29 | 1°40 | 14° 4 | M 4 |
| T 5 | 5 26 1 | 21° 7'43 | 29° 7 | 10°48 | 8°19 | 5°41 | 12°44 | 4° 0 | 15°50 | 16°59 | 26°18 | 6°13 | 5°26 | 1°46 | 14° 3 | T 5 |
| W 6 | 5 29 58 | 22° 8'52 | 10♈55 | 11°24 | 9°18 | 6°25 | 12°58 | 4° 3 | 15°53 | 16°58 | 26°17 | 6°R13 | 5°23 | 1°53 | 14° 2 | W 6 |
| T 7 | 5 33 54 | 23°10'01 | 22°48 | 11°52 | 10°16 | 7° 8 | 13°11 | 4° 6 | 15°56 | 16°57 | 26°16 | 6°11 | 5°20 | 2° 0 | 14° 2 | T 7 |
| F 8 | 5 37 51 | 24°11'10 | 4♉51 | 12°11 | 11°13 | 7°52 | 13°25 | 4° 9 | 15°59 | 16°55 | 26°15 | 6° 8 | 5°17 | 2° 6 | 14° 1 | F 8 |
| S 9 | 5 41 47 | 25°12'20 | 17° 9 | 12°R19 | 12°10 | 8°36 | 13°39 | 4°12 | 16° 2 | 16°54 | 26°14 | 6° 2 | 5°13 | 2°13 | 14° 1 | S 9 |
| S 10 | 5 45 44 | 26°13'29 | 29°44 | 12°17 | 13° 7 | 9°20 | 13°52 | 4°15 | 16° 6 | 16°53 | 26°13 | 5°53 | 5°10 | 2°20 | 14° 0 | S 10 |
| M11 | 5 49 40 | 27°14'39 | 12♊38 | 12° 3 | 14° 2 | 10° 3 | 14° 6 | 4°18 | 16° 9 | 16°52 | 26°12 | 5°42 | 5° 7 | 2°26 | 14° 0 | M11 |
| T 12 | 5 53 37 | 28°15'49 | 25°50 | 11°37 | 14°58 | 10°47 | 14°20 | 4°20 | 16°12 | 16°50 | 26°11 | 5°29 | 5° 4 | 2°33 | 14° 0 | T 12 |
| W13 | 5 57 34 | 29°16'59 | 9♋20 | 10°59 | 15°52 | 11°31 | 14°34 | 4°23 | 16°15 | 16°49 | 26°11 | 5°15 | 5° 1 | 2°39 | 13°59 | W13 |
| T 14 | 6 1 30 | 0♑18'09 | 23° 3 | 10°10 | 16°46 | 12°15 | 14°48 | 4°25 | 16°18 | 16°48 | 26°10 | 5° 3 | 4°58 | 2°46 | 13°59 | T 14 |
| F 15 | 6 5 27 | 1°19'19 | 6♌57 | 9°11 | 17°39 | 12°59 | 15° 2 | 4°28 | 16°20 | 16°47 | 26° 9 | 4°53 | 4°54 | 2°53 | 13°59 | F 15 |
| S 16 | 6 9 23 | 2°20'30 | 20°58 | 8° 3 | 18°32 | 13°43 | 15°16 | 4°30 | 16°23 | 16°46 | 26° 8 | 4°45 | 4°51 | 2°59 | 13°59 | S 16 |
| S 17 | 6 13 20 | 3°21'40 | 5♍ 1 | 6°48 | 19°24 | 14°27 | 15°29 | 4°32 | 16°26 | 16°45 | 26° 7 | 4°41 | 4°48 | 3° 6 | 13°D59 | S 17 |
| M18 | 6 17 16 | 4°22'51 | 19° 7 | 5°29 | 20°15 | 15°12 | 15°43 | 4°34 | 16°29 | 16°44 | 26° 6 | 4°39 | 4°45 | 3°13 | 13°59 | M18 |
| T 19 | 6 21 13 | 5°24'02 | 3♎11 | 4° 8 | 21° 5 | 15°56 | 15°57 | 4°36 | 16°32 | 16°43 | 26° 5 | 4°38 | 4°42 | 3°19 | 13°59 | T 19 |
| W20 | 6 25 9 | 6°25'14 | 17°15 | 2°48 | 21°54 | 16°40 | 16°11 | 4°38 | 16°35 | 16°42 | 26° 4 | 4°38 | 4°39 | 3°26 | 13°59 | W20 |
| T 21 | 6 29 6 | 7°26'25 | 1♏18 | 1°31 | 22°43 | 17°24 | 16°25 | 4°40 | 16°37 | 16°41 | 26° 3 | 4°37 | 4°35 | 3°33 | 13°59 | T 21 |
| F 22 | 6 33 3 | 8°27'37 | 15°18 | 0°20 | 23°30 | 18° 9 | 16°39 | 4°41 | 16°40 | 16°40 | 26° 3 | 4°33 | 4°32 | 3°39 | 14° 0 | F 22 |
| S 23 | 6 36 59 | 9°28'49 | 29°13 | 29♐16 | 24°17 | 18°53 | 16°54 | 4°43 | 16°43 | 16°39 | 26° 2 | 4°26 | 4°29 | 3°46 | 14° 0 | S 23 |
| S 24 | 6 40 56 | 10°30'00 | 13♐ 3 | 28°20 | 25° 3 | 19°37 | 17° 8 | 4°44 | 16°45 | 16°38 | 26° 1 | 4°17 | 4°26 | 3°53 | 14° 0 | S 24 |
| M25 | 6 44 52 | 11°31'12 | 26°42 | 27°34 | 25°48 | 20°22 | 17°22 | 4°46 | 16°48 | 16°37 | 26° 0 | 4° 5 | 4°23 | 3°59 | 14° 1 | M25 |
| T 26 | 6 48 49 | 12°32'23 | 10♑ 9 | 26°58 | 26°31 | 21° 6 | 17°36 | 4°47 | 16°50 | 16°37 | 26° 0 | 3°51 | 4°19 | 4° 6 | 14° 1 | T 26 |
| W27 | 6 52 45 | 13°33'34 | 23°19 | 26°31 | 27°14 | 21°51 | 17°50 | 4°48 | 16°53 | 16°36 | 25°59 | 3°38 | 4°16 | 4°13 | 14° 2 | W27 |
| T 28 | 6 56 42 | 14°34'45 | 6♒13 | 26°14 | 27°56 | 22°35 | 18° 4 | 4°49 | 16°55 | 16°35 | 25°58 | 3°26 | 4°13 | 4°19 | 14° 2 | T 28 |
| F 29 | 7 0 39 | 15°35'54 | 18°48 | 26°D 7 | 28°36 | 23°20 | 18°18 | 4°50 | 16°57 | 16°34 | 25°57 | 3°16 | 4°10 | 4°26 | 14° 3 | F 29 |
| S 30 | 7 4 35 | 16°37'04 | 1♓ 6 | 26° 8 | 29°15 | 24° 5 | 18°32 | 4°51 | 17° 0 | 16°34 | 25°57 | 3° 9 | 4° 7 | 4°32 | 14° 4 | S 30 |
| S 31 | 7 8 32 | 17♑38'12 | 13♓10 | 26♐17 | 29♒53 | 24♐49 | 18♑46 | 4♎51 | 17♏ 2 | 16♉33 | 25♉56 | 3♈ 5 | 4♈ 4 | 4♈39 | 14♈ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s53 | 21s32 | 4s10 | 25s 9 | 1s50 | 21s23 | 2s12 | 20s57 | 0s10 | 23s14 | 0s14 | 0n37 | 2n18 | 16s15 | 0n20 | 15n14 | 1s50 | 7n 6 | 12s38 | 2n32 | 2n15 | 0n10 | 6n29 | 0n59 |
| S 2 | 22 59 | 17 3 | 3 27 | 24 57 | 1 42 | 21 4 | 2 8 | 21 6 | 0 11 | 23 13 | 0 14 | 0 35 | 2 18 | 16 16 | 0 20 | 15 14 | 1 50 | 7 6 | 12 38 | 2 30 | 2 14 | 0 14 | 6 29 | 0 59 |
| S 3 | 23 4 | 11 58 | 2 36 | 24 45 | 1 33 | 20 46 | 2 5 | 21 15 | 0 12 | 23 12 | 0 15 | 0 34 | 2 19 | 16 17 | 0 20 | 15 13 | 1 50 | 7 6 | 12 38 | 2 29 | 2 13 | 0 17 | 6 28 | 0 59 |
| M 4 | 23 9 | 6 32 | 1 39 | 24 31 | 1 23 | 20 27 | 2 1 | 21 24 | 0 12 | 23 10 | 0 15 | 0 33 | 2 19 | 16 18 | 0 20 | 15 13 | 1 50 | 7 6 | 12 38 | 2 28 | 2 11 | 0 21 | 6 28 | 0 58 |
| T 5 | 23 13 | 0 56 | 0 38 | 24 16 | 1 12 | 20 7 | 1 56 | 21 32 | 0 13 | 23 9 | 0 15 | 0 32 | 2 19 | 16 19 | 0 20 | 15 13 | 1 50 | 7 6 | 12 37 | 2 28 | 2 10 | 0 24 | 6 27 | 0 58 |
| W 6 | 23 17 | 4n43 | 0n25 | 24 1 | 0 59 | 19 47 | 1 52 | 21 41 | 0 14 | 23 8 | 0 15 | 0 31 | 2 19 | 16 20 | 0 20 | 15 12 | 1 50 | 7 6 | 12 37 | 2 28 | 2 9 | 0 28 | 6 27 | 0 58 |
| T 7 | 23 21 | 10 14 | 1 27 | 23 45 | 0 46 | 19 27 | 1 47 | 21 49 | 0 14 | 23 7 | 0 15 | 0 30 | 2 20 | 16 21 | 0 20 | 15 12 | 1 50 | 7 6 | 12 37 | 2 28 | 2 7 | 0 31 | 6 26 | 0 58 |
| F 8 | 23 24 | 15 28 | 2 26 | 23 28 | 0 31 | 19 7 | 1 43 | 21 56 | 0 15 | 23 5 | 0 15 | 0 29 | 2 20 | 16 22 | 0 20 | 15 12 | 1 50 | 7 6 | 12 37 | 2 27 | 2 6 | 0 35 | 6 26 | 0 58 |
| S 9 | 23 26 | 20 11 | 3 19 | 23 12 | 0 15 | 18 46 | 1 38 | 22 4 | 0 16 | 23 4 | 0 15 | 0 28 | 2 20 | 16 22 | 0 20 | 15 11 | 1 50 | 7 6 | 12 37 | 2 24 | 2 5 | 0 38 | 6 26 | 0 58 |
| S 10 | 23 28 | 24 7 | 4 3 | 22 55 | 0n 3 | 18 25 | 1 32 | 22 11 | 0 16 | 23 3 | 0 15 | 0 27 | 2 20 | 16 23 | 0 20 | 15 11 | 1 50 | 7 6 | 12 37 | 2 21 | 2 4 | 0 42 | 6 26 | 0 58 |
| M11 | 23 30 | 26 57 | 4 37 | 22 38 | 0 21 | 18 4 | 1 27 | 22 19 | 0 17 | 23 1 | 0 15 | 0 26 | 2 21 | 16 24 | 0 20 | 15 11 | 1 50 | 7 6 | 12 36 | 2 16 | 2 2 | 0 45 | 6 25 | 0 57 |
| T 12 | 23 31 | 28 23 | 4 56 | 22 21 | 0 40 | 17 42 | 1 21 | 22 26 | 0 17 | 23 0 | 0 15 | 0 26 | 2 21 | 16 25 | 0 20 | 15 10 | 1 49 | 7 6 | 12 36 | 2 11 | 2 1 | 0 48 | 6 25 | 0 57 |
| W13 | 23 31 | 28 10 | 4 59 | 22 5 | 0 59 | 17 20 | 1 16 | 22 32 | 0 18 | 22 59 | 0 15 | 0 25 | 2 21 | 16 26 | 0 20 | 15 10 | 1 49 | 7 6 | 12 36 | 2 6 | 2 0 | 0 52 | 6 25 | 0 57 |
| T 14 | 23 31 | 26 14 | 4 46 | 21 49 | 1 19 | 16 58 | 1 10 | 22 39 | 0 19 | 22 57 | 0 16 | 0 24 | 2 22 | 16 27 | 0 20 | 15 10 | 1 49 | 7 6 | 12 36 | 2 1 | 1 59 | 0 55 | 6 25 | 0 57 |
| F 15 | 23 31 | 22 42 | 4 15 | 21 34 | 1 39 | 16 36 | 1 3 | 22 45 | 0 19 | 22 56 | 0 16 | 0 23 | 2 22 | 16 28 | 0 20 | 15 10 | 1 49 | 7 6 | 12 36 | 1 57 | 1 57 | 0 59 | 6 24 | 0 57 |
| S 16 | 23 30 | 17 51 | 3 29 | 21 19 | 1 57 | 16 14 | 0 57 | 22 51 | 0 20 | 22 54 | 0 16 | 0 23 | 2 22 | 16 28 | 0 20 | 15 9 | 1 49 | 7 6 | 12 36 | 1 54 | 1 56 | 1 2 | 6 24 | 0 57 |
| S 17 | 23 29 | 12 1 | 2 30 | 21 6 | 2 15 | 15 51 | 0 50 | 22 57 | 0 21 | 22 53 | 0 16 | 0 22 | 2 22 | 16 29 | 0 20 | 15 9 | 1 49 | 7 6 | 12 35 | 1 52 | 1 55 | 1 6 | 6 24 | 0 57 |
| M18 | 23 27 | 5 34 | 1 21 | 20 53 | 2 31 | 15 28 | 0 43 | 23 3 | 0 21 | 22 51 | 0 16 | 0 22 | 2 23 | 16 30 | 0 20 | 15 9 | 1 49 | 7 6 | 12 35 | 1 51 | 1 54 | 1 9 | 6 24 | 0 57 |
| T 19 | 23 25 | 1s 9 | 0 8 | 20 42 | 2 45 | 15 6 | 0 36 | 23 8 | 0 22 | 22 50 | 0 16 | 0 21 | 2 23 | 16 31 | 0 20 | 15 9 | 1 49 | 7 6 | 12 35 | 1 51 | 1 52 | 1 13 | 6 24 | 0 56 |
| W20 | 23 22 | 7 49 | 1s 6 | 20 33 | 2 57 | 14 43 | 0 29 | 23 13 | 0 23 | 22 48 | 0 16 | 0 21 | 2 23 | 16 32 | 0 20 | 15 8 | 1 49 | 7 6 | 12 35 | 1 51 | 1 51 | 1 16 | 6 24 | 0 56 |
| T 21 | 23 19 | 14 5 | 2 16 | 20 25 | 3 6 | 14 20 | 0 21 | 23 18 | 0 23 | 22 46 | 0 16 | 0 20 | 2 24 | 16 32 | 0 20 | 15 8 | 1 49 | 7 6 | 12 35 | 1 50 | 1 50 | 1 20 | 6 24 | 0 56 |
| F 22 | 23 15 | 19 37 | 3 17 | 20 18 | 3 13 | 13 57 | 0 14 | 23 23 | 0 24 | 22 45 | 0 16 | 0 20 | 2 24 | 16 33 | 0 20 | 15 8 | 1 49 | 7 6 | 12 34 | 1 49 | 1 49 | 1 23 | 6 24 | 0 56 |
| S 23 | 23 11 | 24 3 | 4 6 | 20 14 | 3 17 | 13 33 | 0 6 | 23 28 | 0 25 | 22 43 | 0 16 | 0 19 | 2 24 | 16 34 | 0 20 | 15 8 | 1 49 | 7 6 | 12 34 | 1 46 | 1 47 | 1 27 | 6 24 | 0 56 |
| S 24 | 23 6 | 27 4 | 4 40 | 20 11 | 3 19 | 13 10 | 0n 3 | 23 32 | 0 25 | 22 41 | 0 16 | 0 19 | 2 24 | 16 35 | 0 20 | 15 8 | 1 49 | 7 6 | 12 34 | 1 42 | 1 46 | 1 30 | 6 24 | 0 56 |
| M25 | 23 1 | 28 26 | 4 58 | 20 11 | 3 19 | 12 47 | 0 11 | 23 36 | 0 26 | 22 40 | 0 17 | 0 19 | 2 25 | 16 35 | 0 20 | 15 7 | 1 49 | 7 6 | 12 34 | 1 38 | 1 45 | 1 33 | 6 24 | 0 56 |
| T 26 | 22 56 | 28 5 | 4 58 | 20 12 | 3 17 | 12 24 | 0 20 | 23 40 | 0 26 | 22 38 | 0 17 | 0 19 | 2 25 | 16 36 | 0 20 | 15 7 | 1 49 | 7 6 | 12 33 | 1 32 | 1 43 | 1 37 | 6 24 | 0 55 |
| W27 | 22 50 | 26 9 | 4 43 | 20 15 | 3 14 | 12 1 | 0 29 | 23 43 | 0 27 | 22 36 | 0 17 | 0 18 | 2 25 | 16 37 | 0 20 | 15 7 | 1 49 | 7 6 | 12 33 | 1 27 | 1 42 | 1 40 | 6 24 | 0 55 |
| T 28 | 22 43 | 22 52 | 4 13 | 20 20 | 3 9 | 11 38 | 0 38 | 23 46 | 0 28 | 22 34 | 0 17 | 0 18 | 2 26 | 16 37 | 0 20 | 15 7 | 1 49 | 7 6 | 12 33 | 1 22 | 1 41 | 1 44 | 6 24 | 0 55 |
| F 29 | 22 36 | 18 35 | 3 32 | 20 26 | 3 2 | 11 15 | 0 48 | 23 50 | 0 28 | 22 33 | 0 17 | 0 18 | 2 26 | 16 38 | 0 20 | 15 7 | 1 49 | 7 6 | 12 33 | 1 18 | 1 40 | 1 47 | 6 24 | 0 55 |
| S 30 | 22 29 | 13 37 | 2 41 | 20 33 | 2 55 | 10 53 | 0 58 | 23 52 | 0 29 | 22 31 | 0 17 | 0 18 | 2 26 | 16 39 | 0 20 | 15 7 | 1 49 | 7 6 | 12 32 | 1 15 | 1 38 | 1 51 | 6 25 | 0 55 |
| S 31 | 22s21 | 8s13 | 1s43 | 20s41 | 2n47 | 10s30 | 1n 8 | 23s55 | 0s30 | 22s29 | 0s17 | 0n18 | 2n26 | 16s39 | 0n20 | 15n 7 | 1s48 | 7n 6 | 12s32 | 1n14 | 1n37 | 1n54 | 6n25 | 0n55 |

Julian Day Number = 2229454.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'28, Lahiri = 15°22'29 Julian Calendar 1 Dec. 1391 == Greg. Calendar 9 Dec. 1391


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## JANUARY 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 12 28 | 18♑39'19 | 25♓ 4 | 26♐33 | 0♓29 | 25♐34 | 19♑ 1 | 4♎52 | 17♏ 4 | 16°R32 | 25°R56 | 3°R 3 | 4♈ 0 | 4♈46 | 14♈ 6 | M 1 |
| T 2 | 7 16 25 | 19°40'26 | 6♈52 | 26°57 | 1° 4 | 26°19 | 19°15 | 4°52 | 17° 7 | 16♉32 | 25♉55 | 3°D 3 | 3°57 | 4°52 | 14° 6 | T 2 |
| W 3 | 7 20 21 | 20°41'32 | 18°40 | 27°26 | 1°38 | 27° 4 | 19°29 | 4°53 | 17° 9 | 16°31 | 25°54 | 3°R 3 | 3°54 | 4°59 | 14° 7 | W 3 |
| T 4 | 7 24 18 | 21°42'37 | 0♉32 | 28° 1 | 2°10 | 27°48 | 19°43 | 4°53 | 17°11 | 16°31 | 25°54 | 3♈ 3 | 3°51 | 5° 6 | 14° 8 | T 4 |
| F 5 | 7 28 14 | 22°43'41 | 12°36 | 28°42 | 2°41 | 28°33 | 19°57 | 4°53 | 17°13 | 16°30 | 25°53 | 3° 1 | 3°48 | 5°12 | 14°10 | F 5 |
| S 6 | 7 32 11 | 23°44'43 | 24°55 | 29°27 | 3°10 | 29°18 | 20°11 | 4°R53 | 17°15 | 16°30 | 25°53 | 2°56 | 3°45 | 5°19 | 14°11 | S 6 |
| S 7 | 7 36 8 | 24°45'45 | 7♊34 | 0♑16 | 3°37 | 0♑ 3 | 20°25 | 4°53 | 17°17 | 16°29 | 25°52 | 2°49 | 3°41 | 5°26 | 14°12 | S 7 |
| M 8 | 7 40 4 | 25°46'46 | 20°36 | 1° 9 | 4° 2 | 0°48 | 20°39 | 4°53 | 17°19 | 16°29 | 25°52 | 2°40 | 3°38 | 5°32 | 14°13 | M 8 |
| T 9 | 7 44 1 | 26°47'46 | 4♋ 2 | 2° 5 | 4°26 | 1°33 | 20°54 | 4°53 | 17°21 | 16°29 | 25°51 | 2°29 | 3°35 | 5°39 | 14°14 | T 9 |
| W10 | 7 47 57 | 27°48'45 | 17°50 | 3° 4 | 4°48 | 2°18 | 21° 8 | 4°52 | 17°23 | 16°28 | 25°51 | 2°18 | 3°32 | 5°46 | 14°16 | W10 |
| T 11 | 7 51 54 | 28°49'43 | 1♌57 | 4° 6 | 5° 7 | 3° 3 | 21°22 | 4°52 | 17°24 | 16°28 | 25°50 | 2° 7 | 3°29 | 5°52 | 14°17 | T 11 |
| F 12 | 7 55 50 | 29°50'40 | 16°18 | 5°11 | 5°25 | 3°48 | 21°36 | 4°51 | 17°26 | 16°28 | 25°50 | 1°59 | 3°25 | 5°59 | 14°19 | F 12 |
| S 13 | 7 59 47 | 0♒51'36 | 0♍46 | 6°18 | 5°41 | 4°34 | 21°50 | 4°50 | 17°28 | 16°28 | 25°49 | 1°52 | 3°22 | 6° 5 | 14°20 | S 13 |
| S 14 | 8 3 43 | 1°52'31 | 15°16 | 7°27 | 5°54 | 5°19 | 22° 4 | 4°50 | 17°29 | 16°27 | 25°49 | 1°49 | 3°19 | 6°12 | 14°22 | S 14 |
| M15 | 8 7 40 | 2°53'25 | 29°43 | 8°39 | 6° 6 | 6° 4 | 22°18 | 4°49 | 17°31 | 16°27 | 25°49 | 1°D48 | 3°16 | 6°19 | 14°23 | M15 |
| T 16 | 8 11 37 | 3°54'18 | 14♎ 2 | 9°51 | 6°15 | 6°49 | 22°32 | 4°48 | 17°32 | 16°27 | 25°48 | 1°48 | 3°13 | 6°25 | 14°25 | T 16 |
| W17 | 8 15 33 | 4°55'11 | 28°11 | 11° 6 | 6°22 | 7°35 | 22°46 | 4°47 | 17°34 | 16°27 | 25°48 | 1°R49 | 3°10 | 6°32 | 14°27 | W17 |
| T 18 | 8 19 30 | 5°56'03 | 12♏ 9 | 12°22 | 6°26 | 8°20 | 23° 0 | 4°45 | 17°35 | 16°27 | 25°48 | 1°49 | 3° 6 | 6°39 | 14°29 | T 18 |
| F 19 | 8 23 26 | 6°56'53 | 25°57 | 13°40 | 6°R28 | 9° 5 | 23°14 | 4°44 | 17°37 | 16°D27 | 25°47 | 1°47 | 3° 3 | 6°45 | 14°30 | F 19 |
| S 20 | 8 27 23 | 7°57'43 | 9♐34 | 14°59 | 6°28 | 9°51 | 23°28 | 4°43 | 17°38 | 16°27 | 25°47 | 1°43 | 3° 0 | 6°52 | 14°32 | S 20 |
| S 21 | 8 31 19 | 8°58'33 | 22°59 | 16°19 | 6°25 | 10°36 | 23°42 | 4°41 | 17°39 | 16°27 | 25°47 | 1°36 | 2°57 | 6°59 | 14°34 | S 21 |
| M22 | 8 35 16 | 9°59'20 | 6♑13 | 17°41 | 6°20 | 11°22 | 23°56 | 4°39 | 17°41 | 16°27 | 25°47 | 1°28 | 2°54 | 7° 5 | 14°36 | M22 |
| T 23 | 8 39 12 | 11° 0'07 | 19°15 | 19° 4 | 6°12 | 12° 7 | 24°10 | 4°38 | 17°42 | 16°27 | 25°46 | 1°19 | 2°51 | 7°12 | 14°38 | T 23 |
| W24 | 8 43 9 | 12° 0'53 | 2♒ 4 | 20°28 | 6° 1 | 12°53 | 24°23 | 4°36 | 17°43 | 16°28 | 25°46 | 1° 9 | 2°47 | 7°19 | 14°40 | W24 |
| T 25 | 8 47 6 | 13° 1'37 | 14°39 | 21°53 | 5°48 | 13°38 | 24°37 | 4°34 | 17°44 | 16°28 | 25°46 | 1° 1 | 2°44 | 7°25 | 14°43 | T 25 |
| F 26 | 8 51 2 | 14° 2'20 | 27° 2 | 23°19 | 5°33 | 14°24 | 24°51 | 4°32 | 17°45 | 16°28 | 25°46 | 0°54 | 2°41 | 7°32 | 14°45 | F 26 |
| S 27 | 8 54 59 | 15° 3'01 | 9♓12 | 24°46 | 5°15 | 15° 9 | 25° 5 | 4°30 | 17°46 | 16°28 | 25°46 | 0°49 | 2°38 | 7°39 | 14°47 | S 27 |
| S 28 | 8 58 55 | 16° 3'40 | 21°11 | 26°13 | 4°55 | 15°55 | 25°19 | 4°27 | 17°47 | 16°29 | 25°46 | 0°46 | 2°35 | 7°45 | 14°49 | S 28 |
| M29 | 9 2 52 | 17° 4'18 | 3♈ 3 | 27°42 | 4°32 | 16°41 | 25°32 | 4°25 | 17°48 | 16°29 | 25°46 | 0°D46 | 2°31 | 7°52 | 14°52 | M29 |
| T 30 | 9 6 48 | 18° 4'54 | 14°50 | 29°12 | 4° 8 | 17°26 | 25°46 | 4°23 | 17°48 | 16°29 | 25°46 | 0°47 | 2°28 | 7°58 | 14°54 | T 30 |
| W31 | 9 10 45 | 19♒ 5'29 | 26♈37 | 0♒43 | 3♓41 | 18♑12 | 25♑59 | 4♎20 | 17♏49 | 16♉30 | 25♉46 | 0♈48 | 2♈25 | 8♈ 5 | 14♈56 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s13 | 2s37 | 0s42 | 20s50 | 2n38 | 10s 7 | 1n18 | 23s57 | 0s30 | 22s27 | 0s17 | 0n18 | 2n27 | 16s40 | 0n20 | 15n 6 | 1s48 | 7n 6 | 12s32 | 1n13 | 1n36 | 1n58 | 6n25 | 0n55 |
| T 2 | 22 4 | 3n 3 | 0n20 | 21 0 | 2 29 | 9 45 | 1 28 | 23 59 | 0 31 | 22 25 | 0 17 | 0 18 | 2 27 | 16 41 | 0 20 | 15 6 | 1 48 | 7 6 | 12 32 | 1 13 | 1 35 | 2 1 | 6 25 | 0 55 |
| W 3 | 21 55 | 8 36 | 1 22 | 21 10 | 2 20 | 9 23 | 1 39 | 24 1 | 0 32 | 22 23 | 0 17 | 0 18 | 2 27 | 16 41 | 0 20 | 15 6 | 1 48 | 7 7 | 12 31 | 1 13 | 1 33 | 2 5 | 6 25 | 0 54 |
| T 4 | 21 46 | 13 54 | 2 21 | 21 20 | 2 10 | 9 2 | 1 50 | 24 2 | 0 32 | 22 21 | 0 17 | 0 19 | 2 28 | 16 42 | 0 20 | 15 6 | 1 48 | 7 7 | 12 31 | 1 13 | 1 32 | 2 8 | 6 26 | 0 54 |
| F 5 | 21 36 | 18 45 | 3 14 | 21 31 | 2 0 | 8 40 | 2 1 | 24 4 | 0 33 | 22 19 | 0 18 | 0 19 | 2 28 | 16 42 | 0 20 | 15 6 | 1 48 | 7 7 | 12 31 | 1 12 | 1 31 | 2 11 | 6 26 | 0 54 |
| S 6 | 21 26 | 22 56 | 3 59 | 21 41 | 1 50 | 8 19 | 2 13 | 24 5 | 0 34 | 22 17 | 0 18 | 0 19 | 2 28 | 16 43 | 0 20 | 15 6 | 1 48 | 7 7 | 12 31 | 1 10 | 1 30 | 2 15 | 6 26 | 0 54 |
| S 7 | 21 15 | 26 9 | 4 34 | 21 51 | 1 40 | 7 58 | 2 24 | 24 5 | 0 34 | 22 15 | 0 18 | 0 19 | 2 28 | 16 44 | 0 20 | 15 6 | 1 48 | 7 7 | 12 30 | 1 8 | 1 28 | 2 18 | 6 27 | 0 54 |
| M 8 | 21 4 | 28 7 | 4 56 | 22 1 | 1 30 | 7 38 | 2 36 | 24 6 | 0 35 | 22 13 | 0 18 | 0 20 | 2 29 | 16 44 | 0 20 | 15 6 | 1 48 | 7 7 | 12 30 | 1 4 | 1 27 | 2 22 | 6 27 | 0 54 |
| T 9 | 20 52 | 28 30 | 5 3 | 22 10 | 1 20 | 7 18 | 2 48 | 24 6 | 0 36 | 22 11 | 0 18 | 0 20 | 2 29 | 16 45 | 0 20 | 15 6 | 1 48 | 7 7 | 12 30 | 1 0 | 1 26 | 2 25 | 6 27 | 0 54 |
| W10 | 20 40 | 27 9 | 4 52 | 22 19 | 1 10 | 6 59 | 3 1 | 24 6 | 0 36 | 22 9 | 0 18 | 0 20 | 2 29 | 16 45 | 0 20 | 15 6 | 1 48 | 7 8 | 12 30 | 0 55 | 1 24 | 2 29 | 6 28 | 0 53 |
| T 11 | 20 28 | 24 4 | 4 23 | 22 27 | 1 1 | 6 40 | 3 13 | 24 6 | 0 37 | 22 7 | 0 18 | 0 21 | 2 30 | 16 46 | 0 20 | 15 6 | 1 48 | 7 8 | 12 29 | 0 51 | 1 23 | 2 32 | 6 28 | 0 53 |
| F 12 | 20 15 | 19 28 | 3 38 | 22 34 | 0 51 | 6 22 | 3 26 | 24 5 | 0 37 | 22 5 | 0 18 | 0 21 | 2 30 | 16 46 | 0 20 | 15 6 | 1 48 | 7 8 | 12 29 | 0 47 | 1 22 | 2 36 | 6 29 | 0 53 |
| S 13 | 20 2 | 13 41 | 2 38 | 22 41 | 0 41 | 6 4 | 3 39 | 24 5 | 0 38 | 22 3 | 0 18 | 0 22 | 2 30 | 16 47 | 0 20 | 15 6 | 1 48 | 7 8 | 12 29 | 0 45 | 1 21 | 2 39 | 6 29 | 0 53 |
| S 14 | 19 49 | 7 10 | 1 27 | 22 47 | 0 32 | 5 47 | 3 52 | 24 4 | 0 39 | 22 1 | 0 18 | 0 23 | 2 30 | 16 47 | 0 20 | 15 6 | 1 48 | 7 8 | 12 29 | 0 43 | 1 19 | 2 43 | 6 30 | 0 53 |
| M15 | 19 35 | 0 17 | 0 11 | 22 52 | 0 23 | 5 30 | 4 5 | 24 2 | 0 39 | 21 58 | 0 19 | 0 23 | 2 31 | 16 47 | 0 20 | 15 6 | 1 48 | 7 8 | 12 28 | 0 43 | 1 18 | 2 46 | 6 30 | 0 53 |
| T 16 | 19 21 | 6s33 | 1s 5 | 22 56 | 0 14 | 5 14 | 4 19 | 24 1 | 0 40 | 21 56 | 0 19 | 0 24 | 2 31 | 16 48 | 0 20 | 15 6 | 1 48 | 7 9 | 12 28 | 0 43 | 1 17 | 2 49 | 6 31 | 0 53 |
| W17 | 19 6 | 12 59 | 2 17 | 22 58 | 0 5 | 4 59 | 4 32 | 23 59 | 0 41 | 21 54 | 0 19 | 0 25 | 2 31 | 16 48 | 0 20 | 15 6 | 1 47 | 7 9 | 12 28 | 0 43 | 1 16 | 2 53 | 6 31 | 0 53 |
| T 18 | 18 51 | 18 41 | 3 19 | 23 0 | 0s 4 | 4 45 | 4 46 | 23 57 | 0 41 | 21 52 | 0 19 | 0 25 | 2 32 | 16 49 | 0 20 | 15 6 | 1 47 | 7 9 | 12 27 | 0 43 | 1 14 | 2 56 | 6 32 | 0 52 |
| F 19 | 18 36 | 23 20 | 4 9 | 23 1 | 0 12 | 4 32 | 4 59 | 23 54 | 0 42 | 21 50 | 0 19 | 0 26 | 2 32 | 16 49 | 0 20 | 15 6 | 1 47 | 7 9 | 12 27 | 0 43 | 1 13 | 3 0 | 6 33 | 0 52 |
| S 20 | 18 20 | 26 38 | 4 44 | 23 1 | 0 20 | 4 19 | 5 13 | 23 52 | 0 43 | 21 47 | 0 19 | 0 27 | 2 32 | 16 49 | 0 20 | 15 6 | 1 47 | 7 9 | 12 27 | 0 41 | 1 12 | 3 3 | 6 33 | 0 52 |
| S 21 | 18 4 | 28 22 | 5 3 | 22 59 | 0 28 | 4 7 | 5 27 | 23 49 | 0 43 | 21 45 | 0 19 | 0 28 | 2 32 | 16 50 | 0 20 | 15 6 | 1 47 | 7 10 | 12 27 | 0 38 | 1 11 | 3 7 | 6 34 | 0 52 |
| M22 | 17 48 | 28 27 | 5 5 | 22 56 | 0 36 | 3 57 | 5 40 | 23 46 | 0 44 | 21 43 | 0 19 | 0 29 | 2 33 | 16 50 | 0 20 | 15 6 | 1 47 | 7 10 | 12 26 | 0 35 | 1 9 | 3 10 | 6 34 | 0 52 |
| T 23 | 17 32 | 26 57 | 4 52 | 22 52 | 0 43 | 3 47 | 5 54 | 23 42 | 0 44 | 21 40 | 0 19 | 0 30 | 2 33 | 16 50 | 0 20 | 15 6 | 1 47 | 7 10 | 12 26 | 0 31 | 1 8 | 3 14 | 6 35 | 0 52 |
| W24 | 17 15 | 24 2 | 4 23 | 22 47 | 0 50 | 3 38 | 6 7 | 23 39 | 0 45 | 21 38 | 0 20 | 0 31 | 2 33 | 16 51 | 0 20 | 15 6 | 1 47 | 7 10 | 12 26 | 0 28 | 1 7 | 3 17 | 6 36 | 0 52 |
| T 25 | 16 58 | 20 2 | 3 43 | 22 41 | 0 57 | 3 31 | 6 20 | 23 35 | 0 46 | 21 36 | 0 20 | 0 32 | 2 33 | 16 51 | 0 20 | 15 7 | 1 47 | 7 11 | 12 25 | 0 24 | 1 6 | 3 20 | 6 37 | 0 52 |
| F 26 | 16 40 | 15 14 | 2 52 | 22 33 | 1 4 | 3 24 | 6 33 | 23 30 | 0 46 | 21 33 | 0 20 | 0 33 | 2 34 | 16 51 | 0 20 | 15 7 | 1 47 | 7 11 | 12 25 | 0 21 | 1 4 | 3 24 | 6 37 | 0 52 |
| S 27 | 16 23 | 9 55 | 1 54 | 22 24 | 1 10 | 3 19 | 6 46 | 23 26 | 0 47 | 21 31 | 0 20 | 0 34 | 2 34 | 16 52 | 0 20 | 15 7 | 1 47 | 7 11 | 12 25 | 0 20 | 1 3 | 3 27 | 6 38 | 0 51 |
| S 28 | 16 5 | 4 18 | 0 52 | 22 13 | 1 16 | 3 15 | 6 58 | 23 21 | 0 48 | 21 29 | 0 20 | 0 35 | 2 34 | 16 52 | 0 20 | 15 7 | 1 47 | 7 11 | 12 25 | 0 19 | 1 2 | 3 31 | 6 39 | 0 51 |
| M29 | 15 46 | 1n24 | 0n12 | 22 2 | 1 22 | 3 12 | 7 10 | 23 16 | 0 48 | 21 26 | 0 20 | 0 36 | 2 34 | 16 52 | 0 20 | 15 7 | 1 47 | 7 12 | 12 24 | 0 18 | 1 0 | 3 34 | 6 40 | 0 51 |
| T 30 | 15 28 | 7 2 | 1 16 | 21 49 | 1 27 | 3 10 | 7 22 | 23 11 | 0 49 | 21 24 | 0 20 | 0 37 | 2 35 | 16 52 | 0 20 | 15 7 | 1 47 | 7 12 | 12 24 | 0 19 | 0 59 | 3 38 | 6 40 | 0 51 |
| W31 | 15s 9 | 12n25 | 2n16 | 21s34 | 1s33 | 3s 9 | 7n33 | 23s 6 | 0s49 | 21s21 | 0s20 | 0n38 | 2n35 | 16s52 | 0n20 | 15n 7 | 1s47 | 7n12 | 12s24 | 0n19 | 0n58 | 3n41 | 6n41 | 0n51 |

Julian Day Number = 2229485.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'14, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'33, Lahiri = 15°22'33 Julian Calendar 1 Jan. 1392 == Greg. Calendar 9 Jan. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## FEBRUARY 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 14 41 | 20♒ 6'01 | 8♉29 | 2♒15 | 3°R12 | 18♏58 | 26♏13 | 4°R18 | 17♏50 | 16♉30 | 25°D46 | 0♈50 | 2♈22 | 8♈12 | 14♈59 | T 1 |
| F 2 | 9 18 38 | 21° 6'32 | 20°31 | 3°48 | 2♓41 | 19°44 | 26°27 | 4♎15 | 17°50 | 16°31 | 25♉46 | 0°R51 | 2°19 | 8°18 | 15° 1 | F 2 |
| S 3 | 9 22 35 | 22° 7'01 | 2♊47 | 5°21 | 2° 9 | 20°29 | 26°40 | 4°12 | 17°51 | 16°31 | 25°46 | 0°50 | 2°16 | 8°25 | 15° 4 | S 3 |
| S 4 | 9 26 31 | 23° 7'28 | 15°24 | 6°56 | 1°35 | 21°15 | 26°54 | 4° 9 | 17°52 | 16°32 | 25°46 | 0°48 | 2°12 | 8°32 | 15° 6 | S 4 |
| M 5 | 9 30 28 | 24° 7'54 | 28°25 | 8°32 | 1° 0 | 22° 1 | 27° 7 | 4° 6 | 17°52 | 16°32 | 25°46 | 0°44 | 2° 9 | 8°38 | 15° 9 | M 5 |
| T 6 | 9 34 24 | 25° 8'17 | 11♋52 | 10° 8 | 0°24 | 22°47 | 27°20 | 4° 3 | 17°52 | 16°33 | 25°46 | 0°39 | 2° 6 | 8°45 | 15°12 | T 6 |
| W 7 | 9 38 21 | 26° 8'38 | 25°46 | 11°46 | 29♒47 | 23°33 | 27°34 | 4° 0 | 17°53 | 16°34 | 25°46 | 0°33 | 2° 3 | 8°52 | 15°14 | W 7 |
| T 8 | 9 42 17 | 27° 8'58 | 10♌ 4 | 13°24 | 29°10 | 24°19 | 27°47 | 3°57 | 17°53 | 16°34 | 25°46 | 0°28 | 2° 0 | 8°58 | 15°17 | T 8 |
| F 9 | 9 46 14 | 28° 9'16 | 24°42 | 15° 3 | 28°32 | 25° 5 | 28° 0 | 3°54 | 17°53 | 16°35 | 25°46 | 0°23 | 1°57 | 9° 5 | 15°20 | F 9 |
| S 10 | 9 50 10 | 29° 9'31 | 9♍33 | 16°44 | 27°54 | 25°51 | 28°13 | 3°50 | 17°54 | 16°36 | 25°47 | 0°20 | 1°53 | 9°12 | 15°23 | S 10 |
| S 11 | 9 54 7 | 0♓ 9'45 | 24°28 | 18°25 | 27°17 | 26°37 | 28°26 | 3°47 | 17°54 | 16°36 | 25°47 | 0°D19 | 1°50 | 9°18 | 15°26 | S 11 |
| M12 | 9 58 4 | 1° 9'58 | 9♎21 | 20° 8 | 26°40 | 27°23 | 28°39 | 3°43 | 17°54 | 16°37 | 25°47 | 0°19 | 1°47 | 9°25 | 15°29 | M12 |
| T 13 | 10 2 0 | 2°10'08 | 24° 3 | 21°51 | 26° 4 | 28° 9 | 28°52 | 3°40 | 17°R54 | 16°38 | 25°47 | 0°20 | 1°44 | 9°31 | 15°32 | T 13 |
| W14 | 10 5 57 | 3°10'17 | 8♏30 | 23°36 | 25°29 | 28°55 | 29° 5 | 3°36 | 17°54 | 16°39 | 25°48 | 0°22 | 1°41 | 9°38 | 15°34 | W14 |
| T 15 | 10 9 53 | 4°10'25 | 22°39 | 25°21 | 24°55 | 29°41 | 29°18 | 3°32 | 17°54 | 16°40 | 25°48 | 0°23 | 1°37 | 9°45 | 15°38 | T 15 |
| F 16 | 10 13 50 | 5°10'31 | 6♐29 | 27° 8 | 24°22 | 0♒27 | 29°31 | 3°29 | 17°54 | 16°41 | 25°48 | 0°R23 | 1°34 | 9°51 | 15°41 | F 16 |
| S 17 | 10 17 46 | 6°10'36 | 19°59 | 28°56 | 23°51 | 1°13 | 29°44 | 3°25 | 17°53 | 16°42 | 25°49 | 0°23 | 1°31 | 9°58 | 15°44 | S 17 |
| S 18 | 10 21 43 | 7°10'39 | 3♑12 | 0♓45 | 23°22 | 1°59 | 29°56 | 3°21 | 17°53 | 16°43 | 25°49 | 0°21 | 1°28 | 10° 5 | 15°47 | S 18 |
| M19 | 10 25 39 | 8°10'40 | 16° 9 | 2°35 | 22°55 | 2°45 | 0♒ 9 | 3°17 | 17°53 | 16°44 | 25°49 | 0°18 | 1°25 | 10°11 | 15°50 | M19 |
| T 20 | 10 29 36 | 9°10'40 | 28°51 | 4°26 | 22°30 | 3°32 | 0°22 | 3°13 | 17°53 | 16°45 | 25°50 | 0°15 | 1°22 | 10°18 | 15°53 | T 20 |
| W21 | 10 33 33 | 10°10'38 | 11♒20 | 6°18 | 22° 8 | 4°18 | 0°34 | 3° 9 | 17°52 | 16°46 | 25°50 | 0°11 | 1°18 | 10°25 | 15°56 | W21 |
| T 22 | 10 37 29 | 11°10'34 | 23°37 | 8°11 | 21°47 | 5° 4 | 0°47 | 3° 5 | 17°52 | 16°47 | 25°51 | 0° 8 | 1°15 | 10°31 | 15°59 | T 22 |
| F 23 | 10 41 26 | 12°10'28 | 5♓45 | 10° 5 | 21°29 | 5°50 | 0°59 | 3° 1 | 17°51 | 16°48 | 25°51 | 0° 6 | 1°12 | 10°38 | 16° 3 | F 23 |
| S 24 | 10 45 22 | 13°10'20 | 17°44 | 12° 1 | 21°13 | 6°36 | 1°11 | 2°56 | 17°51 | 16°49 | 25°52 | 0° 5 | 1° 9 | 10°45 | 16° 6 | S 24 |
| S 25 | 10 49 19 | 14°10'10 | 29°37 | 13°57 | 21° 0 | 7°23 | 1°24 | 2°52 | 17°50 | 16°51 | 25°52 | 0°D 4 | 1° 6 | 10°51 | 16° 9 | S 25 |
| M26 | 10 53 15 | 15° 9'58 | 11♈26 | 15°54 | 20°49 | 8° 9 | 1°36 | 2°48 | 17°49 | 16°52 | 25°53 | 0° 4 | 1° 3 | 10°58 | 16°13 | M26 |
| T 27 | 10 57 12 | 16° 9'43 | 23°13 | 17°52 | 20°41 | 8°55 | 1°48 | 2°44 | 17°49 | 16°53 | 25°53 | 0° 5 | 0°59 | 11° 5 | 16°16 | T 27 |
| W28 | 11 1 8 | 17° 9'27 | 5♉ 1 | 19°51 | 20°35 | 9°42 | 2° 0 | 2°39 | 17°48 | 16°55 | 25°54 | 0° 7 | 0°56 | 11°11 | 16°19 | W28 |
| T 29 | 11 5 5 | 18♓ 9'09 | 16♉54 | 21♓51 | 20♒31 | 10♒28 | 2♒12 | 2♎35 | 17♏47 | 16♉56 | 25♉54 | 0♈ 8 | 0♈53 | 11♈18 | 16♈23 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s50 | 17n23 | 3n11 | 21s18 | 1s37 | 3s10 | 7n43 | 23s 0 | 0s50 | 21s19 | 0s20 | 0n40 | 2n35 | 16s53 | 0n20 | 15n 8 | 1s46 | 7n13 | 12s23 | 0n20 | 0n57 | 3n45 | 6n42 | 0n51 |
| F 2 | 14 31 | 21 45 | 3 58 | 21 1 | 1 42 | 3 12 | 7 53 | 22 54 | 0 51 | 21 16 | 0 21 | 0 41 | 2 35 | 16 53 | 0 20 | 15 8 | 1 46 | 7 13 | 12 23 | 0 20 | 0 55 | 3 48 | 6 43 | 0 51 |
| S 3 | 14 11 | 25 17 | 4 35 | 20 42 | 1 46 | 3 15 | 8 2 | 22 48 | 0 51 | 21 14 | 0 21 | 0 42 | 2 36 | 16 53 | 0 20 | 15 8 | 1 46 | 7 13 | 12 23 | 0 20 | 0 54 | 3 51 | 6 44 | 0 51 |
| S 4 | 13 51 | 27 42 | 5 0 | 20 22 | 1 50 | 3 19 | 8 10 | 22 41 | 0 52 | 21 11 | 0 21 | 0 44 | 2 36 | 16 53 | 0 20 | 15 8 | 1 46 | 7 13 | 12 22 | 0 19 | 0 53 | 3 55 | 6 45 | 0 50 |
| M 5 | 13 31 | 28 42 | 5 11 | 20 1 | 1 53 | 3 24 | 8 17 | 22 35 | 0 52 | 21 9 | 0 21 | 0 45 | 2 36 | 16 53 | 0 21 | 15 8 | 1 46 | 7 14 | 12 22 | 0 17 | 0 52 | 3 58 | 6 46 | 0 50 |
| T 6 | 13 11 | 28 4 | 5 6 | 19 38 | 1 56 | 3 30 | 8 24 | 22 28 | 0 53 | 21 6 | 0 21 | 0 46 | 2 36 | 16 53 | 0 21 | 15 9 | 1 46 | 7 14 | 12 22 | 0 15 | 0 50 | 4 2 | 6 47 | 0 50 |
| W 7 | 12 51 | 25 41 | 4 42 | 19 14 | 1 59 | 3 38 | 8 29 | 22 20 | 0 54 | 21 4 | 0 21 | 0 48 | 2 36 | 16 53 | 0 21 | 15 9 | 1 46 | 7 14 | 12 22 | 0 13 | 0 49 | 4 5 | 6 48 | 0 50 |
| T 8 | 12 30 | 21 39 | 4 1 | 18 48 | 2 2 | 3 46 | 8 34 | 22 13 | 0 54 | 21 1 | 0 21 | 0 49 | 2 37 | 16 53 | 0 21 | 15 9 | 1 46 | 7 15 | 12 21 | 0 11 | 0 48 | 4 9 | 6 49 | 0 50 |
| F 9 | 12 9 | 16 12 | 3 3 | 18 21 | 2 4 | 3 56 | 8 37 | 22 5 | 0 55 | 20 59 | 0 21 | 0 51 | 2 37 | 16 54 | 0 21 | 15 9 | 1 46 | 7 15 | 12 21 | 0 9 | 0 47 | 4 12 | 6 50 | 0 50 |
| S 10 | 11 48 | 9 44 | 1 51 | 17 52 | 2 5 | 4 6 | 8 40 | 21 57 | 0 55 | 20 56 | 0 22 | 0 52 | 2 37 | 16 54 | 0 21 | 15 10 | 1 46 | 7 15 | 12 21 | 0 8 | 0 45 | 4 15 | 6 51 | 0 50 |
| S 11 | 11 27 | 2 42 | 0 32 | 17 22 | 2 7 | 4 17 | 8 42 | 21 49 | 0 56 | 20 54 | 0 22 | 0 54 | 2 37 | 16 54 | 0 21 | 15 10 | 1 46 | 7 16 | 12 20 | 0 8 | 0 44 | 4 19 | 6 52 | 0 50 |
| M12 | 11 6 | 4s28 | 0s49 | 16 50 | 2 7 | 4 28 | 8 43 | 21 41 | 0 57 | 20 51 | 0 22 | 0 55 | 2 38 | 16 54 | 0 21 | 15 10 | 1 46 | 7 16 | 12 20 | 0 8 | 0 43 | 4 22 | 6 53 | 0 50 |
| T 13 | 10 44 | 11 19 | 2 7 | 16 17 | 2 8 | 4 40 | 8 42 | 21 32 | 0 57 | 20 49 | 0 22 | 0 57 | 2 38 | 16 54 | 0 21 | 15 11 | 1 46 | 7 16 | 12 20 | 0 8 | 0 41 | 4 26 | 6 54 | 0 49 |
| W14 | 10 23 | 17 27 | 3 15 | 15 42 | 2 8 | 4 53 | 8 41 | 21 23 | 0 58 | 20 46 | 0 22 | 0 59 | 2 38 | 16 54 | 0 21 | 15 11 | 1 46 | 7 17 | 12 20 | 0 9 | 0 40 | 4 29 | 6 55 | 0 49 |
| T 15 | 10 1 | 22 30 | 4 9 | 15 6 | 2 7 | 5 6 | 8 39 | 21 14 | 0 58 | 20 44 | 0 22 | 1 0 | 2 38 | 16 54 | 0 21 | 15 11 | 1 46 | 7 17 | 12 19 | 0 9 | 0 39 | 4 33 | 6 56 | 0 49 |
| F 16 | 9 39 | 26 11 | 4 48 | 14 29 | 2 6 | 5 19 | 8 36 | 21 5 | 0 59 | 20 41 | 0 22 | 1 2 | 2 38 | 16 54 | 0 21 | 15 12 | 1 46 | 7 17 | 12 19 | 0 9 | 0 38 | 4 36 | 6 57 | 0 49 |
| S 17 | 9 17 | 28 17 | 5 10 | 13 50 | 2 5 | 5 33 | 8 32 | 20 55 | 0 59 | 20 39 | 0 22 | 1 4 | 2 38 | 16 53 | 0 21 | 15 12 | 1 45 | 7 18 | 12 19 | 0 9 | 0 36 | 4 39 | 6 58 | 0 49 |
| S 18 | 8 54 | 28 43 | 5 14 | 13 10 | 2 3 | 5 47 | 8 27 | 20 46 | 1 0 | 20 36 | 0 23 | 1 5 | 2 39 | 16 53 | 0 21 | 15 12 | 1 45 | 7 18 | 12 18 | 0 8 | 0 35 | 4 43 | 6 59 | 0 49 |
| M19 | 8 32 | 27 33 | 5 3 | 12 28 | 2 1 | 6 0 | 8 22 | 20 36 | 1 1 | 20 33 | 0 23 | 1 7 | 2 39 | 16 53 | 0 21 | 15 13 | 1 45 | 7 19 | 12 18 | 0 7 | 0 34 | 4 46 | 7 0 | 0 49 |
| T 20 | 8 9 | 24 58 | 4 37 | 11 45 | 1 58 | 6 14 | 8 16 | 20 25 | 1 1 | 20 31 | 0 23 | 1 9 | 2 39 | 16 53 | 0 21 | 15 13 | 1 45 | 7 19 | 12 18 | 0 6 | 0 33 | 4 50 | 7 1 | 0 49 |
| W21 | 7 47 | 21 14 | 3 58 | 11 0 | 1 54 | 6 28 | 8 9 | 20 15 | 1 2 | 20 28 | 0 23 | 1 11 | 2 39 | 16 53 | 0 21 | 15 13 | 1 45 | 7 19 | 12 17 | 0 5 | 0 31 | 4 53 | 7 2 | 0 49 |
| T 22 | 7 24 | 16 39 | 3 8 | 10 14 | 1 50 | 6 41 | 8 1 | 20 4 | 1 2 | 20 26 | 0 23 | 1 12 | 2 39 | 16 53 | 0 21 | 15 14 | 1 45 | 7 20 | 12 17 | 0 3 | 0 30 | 4 57 | 7 4 | 0 49 |
| F 23 | 7 1 | 11 27 | 2 10 | 9 27 | 1 46 | 6 55 | 7 53 | 19 53 | 1 3 | 20 23 | 0 23 | 1 14 | 2 39 | 16 53 | 0 21 | 15 14 | 1 45 | 7 20 | 12 17 | 0 2 | 0 29 | 5 0 | 7 5 | 0 48 |
| S 24 | 6 38 | 5 54 | 1 8 | 8 38 | 1 41 | 7 8 | 7 45 | 19 42 | 1 3 | 20 21 | 0 23 | 1 16 | 2 40 | 16 53 | 0 21 | 15 14 | 1 45 | 7 20 | 12 17 | 0 2 | 0 27 | 5 3 | 7 6 | 0 48 |
| S 25 | 6 15 | 0 11 | 0 2 | 7 48 | 1 35 | 7 20 | 7 36 | 19 31 | 1 4 | 20 18 | 0 24 | 1 18 | 2 40 | 16 52 | 0 21 | 15 15 | 1 45 | 7 21 | 12 16 | 0 2 | 0 26 | 5 7 | 7 7 | 0 48 |
| M26 | 5 52 | 5n30 | 1n 3 | 6 57 | 1 29 | 7 32 | 7 27 | 19 20 | 1 4 | 20 15 | 0 24 | 1 20 | 2 40 | 16 52 | 0 21 | 15 15 | 1 45 | 7 21 | 12 16 | 0 2 | 0 25 | 5 10 | 7 8 | 0 48 |
| T 27 | 5 29 | 10 59 | 2 5 | 6 4 | 1 22 | 7 44 | 7 17 | 19 8 | 1 5 | 20 13 | 0 24 | 1 21 | 2 40 | 16 52 | 0 21 | 15 16 | 1 45 | 7 22 | 12 16 | 0 2 | 0 24 | 5 14 | 7 9 | 0 48 |
| W28 | 5 5 | 16 5 | 3 2 | 5 11 | 1 15 | 7 56 | 7 7 | 18 56 | 1 5 | 20 10 | 0 24 | 1 23 | 2 40 | 16 52 | 0 21 | 15 16 | 1 45 | 7 22 | 12 16 | 0 3 | 0 22 | 5 17 | 7 11 | 0 48 |
| T 29 | 4s42 | 20n38 | 3n52 | 4s17 | 1s 7 | 8s 6 | 6n57 | 18s44 | 1s 6 | 20s 8 | 0s24 | 1n25 | 2n40 | 16s52 | 0n21 | 15n17 | 1s45 | 7n22 | 12s15 | 0n 3 | 0n21 | 5n20 | 7n12 | 0n48 |

Julian Day Number = 2229516.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'37, Lahiri = 15°22'37 Julian Calendar 1 Feb. 1392 == Greg. Calendar 9 Feb. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## MARCH 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 9 2 | 19♓ 8'48 | 28♉56 | 23♓50 | 20°D30 | 11♒14 | 2♒24 | 2°R30 | 17°R46 | 16♉57 | 25♉55 | 0♈ 9 | 0♈50 | 11♈24 | 16♈26 | F 1 |
| S 2 | 11 12 58 | 20° 8'25 | 11♊11 | 25°51 | 20♒31 | 12° 0 | 2°35 | 2♎26 | 17♏45 | 16°59 | 25°56 | 0° 9 | 0°47 | 11°31 | 16°30 | S 2 |
| S 3 | 11 16 55 | 21° 8'00 | 23°44 | 27°51 | 20°35 | 12°47 | 2°47 | 2°21 | 17°44 | 17° 0 | 25°56 | 0°R10 | 0°43 | 11°38 | 16°33 | S 3 |
| M 4 | 11 20 51 | 22° 7'32 | 6♋39 | 29°51 | 20°41 | 13°33 | 2°59 | 2°17 | 17°43 | 17° 1 | 25°57 | 0° 9 | 0°40 | 11°44 | 16°37 | M 4 |
| T 5 | 11 24 48 | 23° 7'02 | 19°59 | 1♈51 | 20°49 | 14°19 | 3°10 | 2°12 | 17°42 | 17° 3 | 25°58 | 0° 9 | 0°37 | 11°51 | 16°40 | T 5 |
| W 6 | 11 28 44 | 24° 6'30 | 3♌47 | 3°51 | 21° 0 | 15° 6 | 3°21 | 2° 8 | 17°41 | 17° 4 | 25°58 | 0° 8 | 0°34 | 11°58 | 16°44 | W 6 |
| T 7 | 11 32 41 | 25° 5'55 | 18° 1 | 5°49 | 21°12 | 15°52 | 3°33 | 2° 3 | 17°40 | 17° 6 | 25°59 | 0° 7 | 0°31 | 12° 4 | 16°47 | T 7 |
| F 8 | 11 36 37 | 26° 5'18 | 2♍40 | 7°46 | 21°27 | 16°38 | 3°44 | 1°58 | 17°39 | 17° 7 | 26° 0 | 0° 7 | 0°28 | 12°11 | 16°51 | F 8 |
| S 9 | 11 40 34 | 27° 4'39 | 17°38 | 9°41 | 21°43 | 17°25 | 3°55 | 1°54 | 17°38 | 17° 9 | 26° 0 | 0° 7 | 0°24 | 12°18 | 16°54 | S 9 |
| S 10 | 11 44 31 | 28° 3'57 | 2♎47 | 11°34 | 22° 2 | 18°11 | 4° 6 | 1°49 | 17°36 | 17°11 | 26° 1 | 0°D 7 | 0°21 | 12°24 | 16°58 | S 10 |
| M11 | 11 48 27 | 29° 3'14 | 17°57 | 13°24 | 22°22 | 18°57 | 4°17 | 1°44 | 17°35 | 17°12 | 26° 2 | 0° 7 | 0°18 | 12°31 | 17° 2 | M11 |
| T 12 | 11 52 24 | 0♈ 2'29 | 3♏ 1 | 15°11 | 22°45 | 19°44 | 4°28 | 1°40 | 17°34 | 17°14 | 26° 3 | 0°R 7 | 0°15 | 12°38 | 17° 5 | T 12 |
| W13 | 11 56 20 | 1° 1'41 | 17°49 | 16°55 | 23° 9 | 20°30 | 4°39 | 1°35 | 17°32 | 17°16 | 26° 4 | 0° 7 | 0°12 | 12°44 | 17° 9 | W13 |
| T 14 | 12 0 17 | 2° 0'52 | 2♐15 | 18°36 | 23°34 | 21°17 | 4°49 | 1°30 | 17°31 | 17°17 | 26° 5 | 0° 7 | 0° 8 | 12°51 | 17°13 | T 14 |
| F 15 | 12 4 13 | 3° 0'02 | 16°16 | 20°12 | 24° 2 | 22° 3 | 5° 0 | 1°26 | 17°29 | 17°19 | 26° 5 | 0° 6 | 0° 5 | 12°58 | 17°16 | F 15 |
| S 16 | 12 8 10 | 3°59'09 | 29°52 | 21°44 | 24°31 | 22°49 | 5°10 | 1°21 | 17°28 | 17°21 | 26° 6 | 0°D 6 | 0° 2 | 13° 4 | 17°20 | S 16 |
| S 17 | 12 12 6 | 4°58'15 | 13♑ 4 | 23°10 | 25° 1 | 23°36 | 5°21 | 1°17 | 17°26 | 17°22 | 26° 7 | 0° 6 | 29♓59 | 13°11 | 17°24 | S 17 |
| M18 | 12 16 3 | 5°57'19 | 25°54 | 24°32 | 25°33 | 24°22 | 5°31 | 1°12 | 17°24 | 17°24 | 26° 8 | 0° 7 | 29°56 | 13°17 | 17°28 | M18 |
| T 19 | 12 20 0 | 6°56'21 | 8♒26 | 25°48 | 26° 7 | 25° 8 | 5°41 | 1° 7 | 17°23 | 17°26 | 26° 9 | 0° 7 | 29°53 | 13°24 | 17°31 | T 19 |
| W20 | 12 23 56 | 7°55'21 | 20°42 | 26°59 | 26°41 | 25°55 | 5°51 | 1° 3 | 17°21 | 17°28 | 26°10 | 0° 8 | 29°49 | 13°31 | 17°35 | W20 |
| T 21 | 12 27 53 | 8°54'20 | 2♓47 | 28° 4 | 27°17 | 26°41 | 6° 1 | 0°58 | 17°19 | 17°30 | 26°11 | 0° 9 | 29°46 | 13°37 | 17°39 | T 21 |
| F 22 | 12 31 49 | 9°53'16 | 14°44 | 29° 3 | 27°55 | 27°28 | 6°11 | 0°53 | 17°17 | 17°31 | 26°12 | 0° 9 | 29°43 | 13°44 | 17°42 | F 22 |
| S 23 | 12 35 46 | 10°52'10 | 26°35 | 29°56 | 28°33 | 28°14 | 6°21 | 0°49 | 17°16 | 17°33 | 26°13 | 0°R10 | 29°40 | 13°51 | 17°46 | S 23 |
| S 24 | 12 39 42 | 11°51'03 | 8♈23 | 0♉42 | 29°13 | 29° 0 | 6°30 | 0°44 | 17°14 | 17°35 | 26°14 | 0°10 | 29°37 | 13°57 | 17°50 | S 24 |
| M25 | 12 43 39 | 12°49'53 | 20°10 | 1°23 | 29°53 | 29°47 | 6°40 | 0°40 | 17°12 | 17°37 | 26°15 | 0° 9 | 29°34 | 14° 4 | 17°54 | M25 |
| T 26 | 12 47 35 | 13°48'42 | 1♉59 | 1°56 | 0♓35 | 0♓33 | 6°49 | 0°35 | 17°10 | 17°39 | 26°16 | 0° 8 | 29°30 | 14°11 | 17°58 | T 26 |
| W27 | 12 51 32 | 14°47'28 | 13°51 | 2°24 | 1°18 | 1°19 | 6°58 | 0°31 | 17° 8 | 17°41 | 26°17 | 0° 6 | 29°27 | 14°17 | 18° 1 | W27 |
| T 28 | 12 55 28 | 15°46'12 | 25°49 | 2°45 | 2° 1 | 2° 6 | 7° 7 | 0°26 | 17° 6 | 17°43 | 26°18 | 0° 3 | 29°24 | 14°24 | 18° 5 | T 28 |
| F 29 | 12 59 25 | 16°44'55 | 7♊56 | 2°59 | 2°46 | 2°52 | 7°16 | 0°22 | 17° 4 | 17°45 | 26°19 | 0° 1 | 29°21 | 14°31 | 18° 9 | F 29 |
| S 30 | 13 3 22 | 17°43'35 | 20°15 | 3° 8 | 3°32 | 3°38 | 7°25 | 0°18 | 17° 2 | 17°47 | 26°20 | 29♓58 | 29°18 | 14°37 | 18°13 | S 30 |
| S 31 | 13 7 18 | 18♈42'12 | 2♋49 | 3°R10 | 4♓18 | 4♓24 | 7♒34 | 0♎13 | 17♏ 0 | 17♉49 | 26♉21 | 29♓57 | 29♓14 | 14♈44 | 18♈16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s19 | 24n24 | 4n32 | 3s21 | 0s59 | 8s17 | 6n46 | 18s32 | 1s 6 | 20s 5 | 0s24 | 1n27 | 2n40 | 16s51 | 0n21 | 15n17 | 1s45 | 7n23 | 12s15 | 0n 4 | 0n20 | 5n24 | 7n13 | 0n48 |
| S 2 | 3 55 | 27 9 | 5 0 | 2 25 | 0 50 | 8 27 | 6 35 | 18 19 | 1 7 | 20 3 | 0 24 | 1 29 | 2 40 | 16 51 | 0 21 | 15 17 | 1 45 | 7 23 | 12 15 | 0 4 | 0 19 | 5 27 | 7 14 | 0 48 |
| S 3 | 3 32 | 28 38 | 5 16 | 1 29 | 0 40 | 8 36 | 6 25 | 18 7 | 1 7 | 20 0 | 0 25 | 1 31 | 2 40 | 16 51 | 0 21 | 15 18 | 1 45 | 7 24 | 12 14 | 0 4 | 0 17 | 5 31 | 7 16 | 0 48 |
| M 4 | 3 8 | 28 36 | 5 16 | 0 31 | 0 31 | 8 44 | 6 14 | 17 54 | 1 8 | 19 58 | 0 25 | 1 33 | 2 41 | 16 51 | 0 21 | 15 18 | 1 45 | 7 24 | 12 14 | 0 4 | 0 16 | 5 34 | 7 17 | 0 47 |
| T 5 | 2 44 | 26 57 | 4 59 | 0n26 | 0 20 | 8 52 | 6 2 | 17 41 | 1 8 | 19 55 | 0 25 | 1 35 | 2 41 | 16 50 | 0 21 | 15 19 | 1 45 | 7 24 | 12 14 | 0 3 | 0 15 | 5 38 | 7 18 | 0 47 |
| W 6 | 2 21 | 23 39 | 4 25 | 1 23 | 0 9 | 9 0 | 5 51 | 17 28 | 1 9 | 19 53 | 0 25 | 1 36 | 2 41 | 16 50 | 0 21 | 15 19 | 1 44 | 7 25 | 12 14 | 0 3 | 0 14 | 5 41 | 7 19 | 0 47 |
| T 7 | 1 57 | 18 52 | 3 33 | 2 21 | 0n 2 | 9 6 | 5 40 | 17 14 | 1 9 | 19 50 | 0 25 | 1 38 | 2 41 | 16 50 | 0 21 | 15 20 | 1 44 | 7 25 | 12 13 | 0 3 | 0 12 | 5 44 | 7 21 | 0 47 |
| F 8 | 1 34 | 12 50 | 2 27 | 3 18 | 0 13 | 9 12 | 5 29 | 17 1 | 1 10 | 19 48 | 0 25 | 1 40 | 2 41 | 16 49 | 0 21 | 15 20 | 1 44 | 7 26 | 12 13 | 0 3 | 0 11 | 5 48 | 7 22 | 0 47 |
| S 9 | 1 10 | 5 58 | 1 9 | 4 14 | 0 25 | 9 18 | 5 18 | 16 47 | 1 10 | 19 45 | 0 26 | 1 42 | 2 41 | 16 49 | 0 21 | 15 21 | 1 44 | 7 26 | 12 13 | 0 3 | 0 10 | 5 51 | 7 23 | 0 47 |
| S 10 | 0 46 | 1s20 | 0s15 | 5 9 | 0 37 | 9 22 | 5 7 | 16 33 | 1 11 | 19 43 | 0 26 | 1 44 | 2 41 | 16 49 | 0 21 | 15 21 | 1 44 | 7 27 | 12 13 | 0 3 | 0 8 | 5 55 | 7 25 | 0 47 |
| M11 | 0 23 | 8 34 | 1 38 | 6 4 | 0 49 | 9 26 | 4 56 | 16 19 | 1 11 | 19 40 | 0 26 | 1 46 | 2 41 | 16 48 | 0 21 | 15 22 | 1 44 | 7 27 | 12 12 | 0 3 | 0 7 | 5 58 | 7 26 | 0 47 |
| T 12 | 0n 1 | 15 16 | 2 53 | 6 57 | 1 1 | 9 30 | 4 45 | 16 5 | 1 12 | 19 38 | 0 26 | 1 48 | 2 41 | 16 48 | 0 21 | 15 22 | 1 44 | 7 27 | 12 12 | 0 3 | 0 6 | 6 1 | 7 27 | 0 47 |
| W13 | 0 25 | 20 58 | 3 55 | 7 48 | 1 13 | 9 32 | 4 34 | 15 51 | 1 12 | 19 35 | 0 26 | 1 50 | 2 41 | 16 47 | 0 21 | 15 23 | 1 44 | 7 28 | 12 12 | 0 3 | 0 5 | 6 5 | 7 29 | 0 47 |
| T 14 | 0 48 | 25 16 | 4 41 | 8 38 | 1 25 | 9 34 | 4 23 | 15 36 | 1 13 | 19 33 | 0 26 | 1 52 | 2 41 | 16 47 | 0 21 | 15 23 | 1 44 | 7 28 | 12 12 | 0 3 | 0 3 | 6 8 | 7 30 | 0 47 |
| F 15 | 1 12 | 27 56 | 5 9 | 9 25 | 1 37 | 9 36 | 4 12 | 15 22 | 1 13 | 19 31 | 0 27 | 1 54 | 2 41 | 16 46 | 0 21 | 15 24 | 1 44 | 7 29 | 12 11 | 0 3 | 0 2 | 6 12 | 7 31 | 0 47 |
| S 16 | 1 35 | 28 49 | 5 18 | 10 10 | 1 48 | 9 36 | 4 1 | 15 7 | 1 14 | 19 28 | 0 27 | 1 55 | 2 41 | 16 46 | 0 21 | 15 24 | 1 44 | 7 29 | 12 11 | 0 2 | 0 1 | 6 15 | 7 33 | 0 46 |
| S 17 | 1 59 | 28 1 | 5 10 | 10 53 | 1 59 | 9 36 | 3 51 | 14 52 | 1 14 | 19 26 | 0 27 | 1 57 | 2 41 | 16 46 | 0 21 | 15 25 | 1 44 | 7 29 | 12 11 | 0 2 | 0s 0 | 6 18 | 7 34 | 0 46 |
| M18 | 2 22 | 25 43 | 4 46 | 11 33 | 2 9 | 9 35 | 3 40 | 14 37 | 1 14 | 19 23 | 0 27 | 1 59 | 2 41 | 16 45 | 0 21 | 15 25 | 1 44 | 7 30 | 12 11 | 0 3 | 0 2 | 6 22 | 7 35 | 0 46 |
| T 19 | 2 46 | 22 14 | 4 10 | 12 10 | 2 19 | 9 34 | 3 30 | 14 21 | 1 15 | 19 21 | 0 27 | 2 1 | 2 41 | 16 45 | 0 21 | 15 26 | 1 44 | 7 30 | 12 10 | 0 3 | 0 3 | 6 25 | 7 37 | 0 46 |
| W20 | 3 9 | 17 50 | 3 22 | 12 44 | 2 28 | 9 32 | 3 20 | 14 6 | 1 15 | 19 19 | 0 27 | 2 3 | 2 41 | 16 44 | 0 21 | 15 26 | 1 44 | 7 31 | 12 10 | 0 3 | 0 4 | 6 28 | 7 38 | 0 46 |
| T 21 | 3 33 | 12 47 | 2 26 | 13 15 | 2 36 | 9 29 | 3 10 | 13 51 | 1 16 | 19 17 | 0 28 | 2 5 | 2 41 | 16 44 | 0 21 | 15 27 | 1 44 | 7 31 | 12 10 | 0 3 | 0 5 | 6 32 | 7 39 | 0 46 |
| F 22 | 3 56 | 7 20 | 1 25 | 13 43 | 2 44 | 9 25 | 3 0 | 13 35 | 1 16 | 19 14 | 0 28 | 2 6 | 2 41 | 16 43 | 0 21 | 15 28 | 1 44 | 7 32 | 12 10 | 0 4 | 0 7 | 6 35 | 7 41 | 0 46 |
| S 23 | 4 19 | 1 40 | 0 20 | 14 8 | 2 50 | 9 21 | 2 50 | 13 19 | 1 16 | 19 12 | 0 28 | 2 8 | 2 41 | 16 43 | 0 21 | 15 28 | 1 44 | 7 32 | 12 10 | 0 4 | 0 8 | 6 39 | 7 42 | 0 46 |
| S 24 | 4 42 | 4n 2 | 0n45 | 14 30 | 2 56 | 9 17 | 2 41 | 13 3 | 1 17 | 19 10 | 0 28 | 2 10 | 2 41 | 16 42 | 0 21 | 15 29 | 1 44 | 7 32 | 12 9 | 0 4 | 0 9 | 6 42 | 7 44 | 0 46 |
| M25 | 5 5 | 9 35 | 1 49 | 14 48 | 3 0 | 9 11 | 2 31 | 12 47 | 1 17 | 19 8 | 0 28 | 2 12 | 2 41 | 16 42 | 0 21 | 15 29 | 1 44 | 7 33 | 12 9 | 0 4 | 0 11 | 6 45 | 7 45 | 0 46 |
| T 26 | 5 28 | 14 49 | 2 47 | 15 3 | 3 4 | 9 5 | 2 22 | 12 31 | 1 17 | 19 5 | 0 28 | 2 14 | 2 41 | 16 41 | 0 21 | 15 30 | 1 44 | 7 33 | 12 9 | 0 3 | 0 12 | 6 49 | 7 46 | 0 46 |
| W27 | 5 51 | 19 32 | 3 39 | 15 15 | 3 6 | 8 59 | 2 13 | 12 15 | 1 18 | 19 3 | 0 29 | 2 15 | 2 41 | 16 40 | 0 21 | 15 30 | 1 44 | 7 34 | 12 9 | 0 2 | 0 13 | 6 52 | 7 48 | 0 46 |
| T 28 | 6 14 | 23 30 | 4 21 | 15 23 | 3 6 | 8 52 | 2 4 | 11 59 | 1 18 | 19 1 | 0 29 | 2 17 | 2 41 | 16 40 | 0 21 | 15 31 | 1 44 | 7 34 | 12 9 | 0 1 | 0 14 | 6 56 | 7 49 | 0 45 |
| F 29 | 6 36 | 26 31 | 4 53 | 15 28 | 3 6 | 8 44 | 1 55 | 11 42 | 1 18 | 18 59 | 0 29 | 2 19 | 2 41 | 16 39 | 0 21 | 15 32 | 1 44 | 7 35 | 12 8 | 0 0 | 0 16 | 6 59 | 7 50 | 0 45 |
| S 30 | 6 59 | 28 20 | 5 11 | 15 29 | 3 4 | 8 36 | 1 46 | 11 26 | 1 19 | 18 57 | 0 29 | 2 20 | 2 41 | 16 39 | 0 21 | 15 32 | 1 43 | 7 35 | 12 8 | 0s 1 | 0 17 | 7 2 | 7 52 | 0 45 |
| S 31 | 7n21 | 28n45 | 5n15 | 15n27 | 3n 1 | 8s27 | 1n38 | 11s 9 | 1s19 | 18s55 | 0s29 | 2n22 | 2n41 | 16s38 | 0n21 | 15n33 | 1s43 | 7n35 | 12s 8 | 0s 1 | 0s18 | 7n 6 | 7n53 | 0n45 |

Julian Day Number = 2229545.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'41, Lahiri = 15°22'41 Julian Calendar 1 March 1392 == Greg. Calendar 9 March 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## APRIL 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 11 15 | 19♈40'48 | 15♋41 | 3°R 6 | 5♓ 5 | 5♓11 | 7♒43 | 0°R 9 | 16°R58 | 17♉51 | 26♉23 | 29°D56 | 29♓11 | 14♈51 | 18♈20 | M 1 |
| T 2 | 13 15 11 | 20°39'21 | 28°54 | 2♉56 | 5°53 | 5°57 | 7°51 | 0♎ 5 | 16♏56 | 17°53 | 26°24 | 29♓56 | 29° 8 | 14°57 | 18°24 | T 2 |
| W 3 | 13 19 8 | 21°37'53 | 12♌31 | 2°41 | 6°42 | 6°43 | 7°59 | 0° 1 | 16°53 | 17°55 | 26°25 | 29°57 | 29° 5 | 15° 4 | 18°28 | W 3 |
| T 4 | 13 23 4 | 22°36'21 | 26°33 | 2°21 | 7°31 | 7°29 | 8° 8 | 29♍57 | 16°51 | 17°57 | 26°26 | 29°59 | 29° 2 | 15°11 | 18°32 | T 4 |
| F 5 | 13 27 1 | 23°34'48 | 11♍ 0 | 1°56 | 8°22 | 8°16 | 8°16 | 29°52 | 16°49 | 17°59 | 26°27 | 29°59 | 28°59 | 15°17 | 18°35 | F 5 |
| S 6 | 13 30 57 | 24°33'12 | 25°49 | 1°28 | 9°12 | 9° 2 | 8°23 | 29°48 | 16°47 | 18° 1 | 26°28 | 0°R 1 | 28°55 | 15°24 | 18°39 | S 6 |
| S 7 | 13 34 54 | 25°31'35 | 10♎54 | 0°55 | 10° 4 | 9°48 | 8°31 | 29°44 | 16°45 | 18° 3 | 26°29 | 0♈ 0 | 28°52 | 15°30 | 18°43 | S 7 |
| M 8 | 13 38 51 | 26°29'55 | 26° 7 | 0°20 | 10°56 | 10°34 | 8°39 | 29°41 | 16°42 | 18° 6 | 26°31 | 29♓59 | 28°49 | 15°37 | 18°47 | M 8 |
| T 9 | 13 42 47 | 27°28'14 | 11♏18 | 29♈43 | 11°49 | 11°20 | 8°46 | 29°37 | 16°40 | 18° 8 | 26°32 | 29°56 | 28°46 | 15°44 | 18°50 | T 9 |
| W10 | 13 46 44 | 28°26'31 | 26°17 | 29° 4 | 12°42 | 12° 6 | 8°54 | 29°33 | 16°38 | 18°10 | 26°33 | 29°52 | 28°43 | 15°50 | 18°54 | W10 |
| T 11 | 13 50 40 | 29°24'46 | 10♐57 | 28°24 | 13°36 | 12°52 | 9° 1 | 29°29 | 16°35 | 18°12 | 26°34 | 29°48 | 28°40 | 15°57 | 18°58 | T 11 |
| F 12 | 13 54 37 | 0♉23'00 | 25°11 | 27°45 | 14°31 | 13°39 | 9° 8 | 29°25 | 16°33 | 18°14 | 26°36 | 29°44 | 28°36 | 16° 4 | 19° 2 | F 12 |
| S 13 | 13 58 33 | 1°21'12 | 8♑56 | 27° 6 | 15°26 | 14°25 | 9°15 | 29°22 | 16°31 | 18°16 | 26°37 | 29°41 | 28°33 | 16°10 | 19° 5 | S 13 |
| S 14 | 14 2 30 | 2°19'23 | 22°14 | 26°28 | 16°21 | 15°11 | 9°22 | 29°18 | 16°28 | 18°18 | 26°38 | 29°39 | 28°30 | 16°17 | 19° 9 | S 14 |
| M15 | 14 6 27 | 3°17'32 | 5♒ 5 | 25°53 | 17°17 | 15°57 | 9°28 | 29°15 | 16°26 | 18°21 | 26°39 | 29°D39 | 28°27 | 16°24 | 19°13 | M15 |
| T 16 | 14 10 23 | 4°15'40 | 17°35 | 25°19 | 18°14 | 16°43 | 9°35 | 29°11 | 16°23 | 18°23 | 26°41 | 29°40 | 28°24 | 16°30 | 19°17 | T 16 |
| W17 | 14 14 20 | 5°13'46 | 29°47 | 24°49 | 19°11 | 17°29 | 9°41 | 29° 8 | 16°21 | 18°25 | 26°42 | 29°41 | 28°20 | 16°37 | 19°20 | W17 |
| T 18 | 14 18 16 | 6°11'51 | 11♓46 | 24°23 | 20° 8 | 18°15 | 9°47 | 29° 5 | 16°18 | 18°27 | 26°43 | 29°43 | 28°17 | 16°44 | 19°24 | T 18 |
| F 19 | 14 22 13 | 7° 9'54 | 23°37 | 24° 0 | 21° 6 | 19° 0 | 9°53 | 29° 2 | 16°16 | 18°29 | 26°44 | 29°44 | 28°14 | 16°50 | 19°28 | F 19 |
| S 20 | 14 26 9 | 8° 7'56 | 5♈24 | 23°41 | 22° 4 | 19°46 | 9°59 | 28°59 | 16°13 | 18°32 | 26°46 | 29°R44 | 28°11 | 16°57 | 19°31 | S 20 |
| S 21 | 14 30 6 | 9° 5'56 | 17°10 | 23°27 | 23° 3 | 20°32 | 10° 5 | 28°56 | 16°11 | 18°34 | 26°47 | 29°42 | 28° 8 | 17° 4 | 19°35 | S 21 |
| M22 | 14 34 2 | 10° 3'55 | 28°59 | 23°17 | 24° 2 | 21°18 | 10°10 | 28°53 | 16° 8 | 18°36 | 26°48 | 29°39 | 28° 5 | 17°10 | 19°38 | M22 |
| T 23 | 14 37 59 | 11° 1'52 | 10♉53 | 23°12 | 25° 1 | 22° 4 | 10°16 | 28°50 | 16° 6 | 18°38 | 26°50 | 29°33 | 28° 1 | 17°17 | 19°42 | T 23 |
| W24 | 14 41 55 | 11°59'48 | 22°53 | 23°D11 | 26° 1 | 22°50 | 10°21 | 28°47 | 16° 3 | 18°41 | 26°51 | 29°26 | 27°58 | 17°24 | 19°46 | W24 |
| T 25 | 14 45 52 | 12°57'42 | 5♊ 2 | 23°15 | 27° 1 | 23°35 | 10°26 | 28°44 | 16° 1 | 18°43 | 26°52 | 29°19 | 27°55 | 17°30 | 19°49 | T 25 |
| F 26 | 14 49 49 | 13°55'35 | 17°20 | 23°24 | 28° 1 | 24°21 | 10°31 | 28°42 | 15°58 | 18°45 | 26°54 | 29°11 | 27°52 | 17°37 | 19°53 | F 26 |
| S 27 | 14 53 45 | 14°53'26 | 29°49 | 23°37 | 29° 2 | 25° 7 | 10°35 | 28°39 | 15°56 | 18°47 | 26°55 | 29° 3 | 27°49 | 17°44 | 19°56 | S 27 |
| S 28 | 14 57 42 | 15°51'15 | 12♋31 | 23°55 | 0♈ 2 | 25°52 | 10°40 | 28°37 | 15°53 | 18°50 | 26°56 | 28°57 | 27°46 | 17°50 | 20° 0 | S 28 |
| M29 | 15 1 38 | 16°49'03 | 25°27 | 24°17 | 1° 4 | 26°38 | 10°44 | 28°34 | 15°51 | 18°52 | 26°58 | 28°53 | 27°42 | 17°57 | 20° 3 | M29 |
| T 30 | 15 5 35 | 17♉46'49 | 8♌40 | 24♈44 | 2♈ 5 | 27♓23 | 10♒48 | 28♍32 | 15♏48 | 18♉54 | 26♉59 | 28♓51 | 27♓39 | 18♈ 4 | 20♈ 7 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n43 | 27n38 | 5n 4 | 15n21 | 2n56 | 8s18 | 1n29 | 10s53 | 1s19 | 18s53 | 0s30 | 2n24 | 2n41 | 16s38 | 0n21 | 15n33 | 1s43 | 7n36 | 12s 8 | 0s 2 | 0s19 | 7n 9 | 7n55 | 0n45 |
| T 2 | 8 6 | 24 57 | 4 36 | 15 12 | 2 50 | 8 8 | 1 21 | 10 36 | 1 20 | 18 51 | 0 30 | 2 25 | 2 41 | 16 37 | 0 21 | 15 34 | 1 43 | 7 36 | 12 8 | 0 1 | 0 21 | 7 12 | 7 56 | 0 45 |
| W 3 | 8 28 | 20 50 | 3 53 | 15 0 | 2 43 | 7 57 | 1 13 | 10 19 | 1 20 | 18 49 | 0 30 | 2 27 | 2 41 | 16 36 | 0 21 | 15 34 | 1 43 | 7 37 | 12 7 | 0 1 | 0 22 | 7 16 | 7 57 | 0 45 |
| T 4 | 8 49 | 15 26 | 2 54 | 14 44 | 2 34 | 7 46 | 1 5 | 10 2 | 1 20 | 18 47 | 0 30 | 2 29 | 2 41 | 16 36 | 0 21 | 15 35 | 1 43 | 7 37 | 12 7 | 0 1 | 0 23 | 7 19 | 7 59 | 0 45 |
| F 5 | 9 11 | 9 3 | 1 43 | 14 26 | 2 24 | 7 35 | 0 57 | 9 45 | 1 21 | 18 45 | 0 30 | 2 30 | 2 40 | 16 35 | 0 21 | 15 36 | 1 43 | 7 38 | 12 7 | 0 0 | 0 25 | 7 22 | 8 0 | 0 45 |
| S 6 | 9 33 | 2 1 | 0 23 | 14 6 | 2 13 | 7 22 | 0 50 | 9 28 | 1 21 | 18 43 | 0 30 | 2 32 | 2 40 | 16 34 | 0 21 | 15 36 | 1 43 | 7 38 | 12 7 | 0n 0 | 0 26 | 7 26 | 8 1 | 0 45 |
| S 7 | 9 54 | 5s14 | 1s 0 | 13 42 | 2 0 | 7 10 | 0 42 | 9 10 | 1 21 | 18 41 | 0 31 | 2 33 | 2 40 | 16 34 | 0 21 | 15 37 | 1 43 | 7 38 | 12 7 | 0 0 | 0 27 | 7 29 | 8 3 | 0 45 |
| M 8 | 10 15 | 12 16 | 2 19 | 13 17 | 1 46 | 6 57 | 0 35 | 8 53 | 1 21 | 18 39 | 0 31 | 2 35 | 2 40 | 16 33 | 0 21 | 15 38 | 1 43 | 7 39 | 12 7 | 0s 0 | 0 28 | 7 33 | 8 4 | 0 45 |
| T 9 | 10 36 | 18 33 | 3 28 | 12 50 | 1 32 | 6 43 | 0 28 | 8 36 | 1 22 | 18 38 | 0 31 | 2 36 | 2 40 | 16 32 | 0 21 | 15 38 | 1 43 | 7 39 | 12 6 | 0 2 | 0 30 | 7 36 | 8 6 | 0 45 |
| W10 | 10 57 | 23 37 | 4 21 | 12 22 | 1 16 | 6 29 | 0 21 | 8 18 | 1 22 | 18 36 | 0 31 | 2 37 | 2 40 | 16 32 | 0 21 | 15 39 | 1 43 | 7 40 | 12 6 | 0 3 | 0 31 | 7 39 | 8 7 | 0 45 |
| T 11 | 11 18 | 27 3 | 4 57 | 11 53 | 1 0 | 6 15 | 0 14 | 8 1 | 1 22 | 18 34 | 0 31 | 2 39 | 2 40 | 16 31 | 0 21 | 15 39 | 1 43 | 7 40 | 12 6 | 0 5 | 0 32 | 7 43 | 8 8 | 0 44 |
| F 12 | 11 39 | 28 38 | 5 12 | 11 23 | 0 43 | 6 0 | 0 8 | 7 43 | 1 22 | 18 33 | 0 32 | 2 40 | 2 40 | 16 30 | 0 21 | 15 40 | 1 43 | 7 41 | 12 6 | 0 6 | 0 33 | 7 46 | 8 10 | 0 44 |
| S 13 | 11 59 | 28 22 | 5 9 | 10 53 | 0 26 | 5 44 | 0 1 | 7 26 | 1 23 | 18 31 | 0 32 | 2 41 | 2 40 | 16 30 | 0 21 | 15 41 | 1 43 | 7 41 | 12 6 | 0 8 | 0 35 | 7 49 | 8 11 | 0 44 |
| S 14 | 12 19 | 26 26 | 4 49 | 10 23 | 0 9 | 5 29 | 0s 5 | 7 8 | 1 23 | 18 29 | 0 32 | 2 43 | 2 39 | 16 29 | 0 21 | 15 41 | 1 43 | 7 41 | 12 6 | 0 8 | 0 36 | 7 53 | 8 12 | 0 44 |
| M15 | 12 39 | 23 11 | 4 15 | 9 54 | 0s 8 | 5 12 | 0 11 | 6 50 | 1 23 | 18 28 | 0 32 | 2 44 | 2 39 | 16 28 | 0 21 | 15 42 | 1 43 | 7 42 | 12 5 | 0 8 | 0 37 | 7 56 | 8 14 | 0 44 |
| T 16 | 12 59 | 18 57 | 3 30 | 9 26 | 0 25 | 4 56 | 0 17 | 6 33 | 1 23 | 18 26 | 0 33 | 2 45 | 2 39 | 16 28 | 0 21 | 15 42 | 1 43 | 7 42 | 12 5 | 0 8 | 0 38 | 7 59 | 8 15 | 0 44 |
| W17 | 13 19 | 14 2 | 2 36 | 9 0 | 0 42 | 4 39 | 0 23 | 6 15 | 1 24 | 18 25 | 0 33 | 2 46 | 2 39 | 16 27 | 0 21 | 15 43 | 1 43 | 7 43 | 12 5 | 0 8 | 0 40 | 8 3 | 8 16 | 0 44 |
| T 18 | 13 38 | 8 40 | 1 37 | 8 35 | 0 58 | 4 22 | 0 29 | 5 57 | 1 24 | 18 23 | 0 33 | 2 48 | 2 39 | 16 26 | 0 21 | 15 44 | 1 43 | 7 43 | 12 5 | 0 7 | 0 41 | 8 6 | 8 18 | 0 44 |
| F 19 | 13 57 | 3 3 | 0 33 | 8 12 | 1 14 | 4 4 | 0 34 | 5 39 | 1 24 | 18 22 | 0 33 | 2 49 | 2 39 | 16 26 | 0 21 | 15 44 | 1 43 | 7 43 | 12 5 | 0 6 | 0 42 | 8 9 | 8 19 | 0 44 |
| S 20 | 14 16 | 2n37 | 0n31 | 7 51 | 1 29 | 3 46 | 0 39 | 5 21 | 1 24 | 18 20 | 0 33 | 2 50 | 2 39 | 16 25 | 0 21 | 15 45 | 1 43 | 7 44 | 12 5 | 0 6 | 0 44 | 8 13 | 8 20 | 0 44 |
| S 21 | 14 35 | 8 12 | 1 34 | 7 33 | 1 43 | 3 27 | 0 45 | 5 3 | 1 24 | 18 19 | 0 34 | 2 51 | 2 38 | 16 24 | 0 21 | 15 46 | 1 43 | 7 44 | 12 5 | 0 7 | 0 45 | 8 16 | 8 22 | 0 44 |
| M22 | 14 53 | 13 31 | 2 32 | 7 17 | 1 56 | 3 8 | 0 50 | 4 45 | 1 24 | 18 18 | 0 34 | 2 52 | 2 38 | 16 24 | 0 21 | 15 46 | 1 43 | 7 45 | 12 5 | 0 8 | 0 46 | 8 19 | 8 23 | 0 44 |
| T 23 | 15 11 | 18 23 | 3 25 | 7 3 | 2 9 | 2 49 | 0 55 | 4 27 | 1 24 | 18 17 | 0 34 | 2 53 | 2 38 | 16 23 | 0 21 | 15 47 | 1 43 | 7 45 | 12 5 | 0 11 | 0 47 | 8 23 | 8 24 | 0 44 |
| W24 | 15 29 | 22 33 | 4 8 | 6 52 | 2 20 | 2 30 | 0 59 | 4 9 | 1 25 | 18 15 | 0 34 | 2 54 | 2 38 | 16 22 | 0 21 | 15 47 | 1 43 | 7 45 | 12 4 | 0 13 | 0 49 | 8 26 | 8 26 | 0 44 |
| T 25 | 15 47 | 25 49 | 4 41 | 6 44 | 2 31 | 2 10 | 1 4 | 3 51 | 1 25 | 18 14 | 0 34 | 2 55 | 2 38 | 16 21 | 0 21 | 15 48 | 1 43 | 7 46 | 12 4 | 0 17 | 0 50 | 8 29 | 8 27 | 0 44 |
| F 26 | 16 4 | 27 55 | 5 2 | 6 38 | 2 41 | 1 50 | 1 9 | 3 33 | 1 25 | 18 13 | 0 35 | 2 56 | 2 37 | 16 21 | 0 21 | 15 49 | 1 43 | 7 46 | 12 4 | 0 20 | 0 51 | 8 33 | 8 28 | 0 44 |
| S 27 | 16 22 | 28 39 | 5 8 | 6 35 | 2 49 | 1 30 | 1 13 | 3 15 | 1 25 | 18 12 | 0 35 | 2 56 | 2 37 | 16 20 | 0 21 | 15 49 | 1 43 | 7 46 | 12 4 | 0 23 | 0 52 | 8 36 | 8 30 | 0 43 |
| S 28 | 16 38 | 27 54 | 5 0 | 6 34 | 2 57 | 1 10 | 1 17 | 2 57 | 1 25 | 18 11 | 0 35 | 2 57 | 2 37 | 16 19 | 0 21 | 15 50 | 1 43 | 7 47 | 12 4 | 0 25 | 0 54 | 8 39 | 8 31 | 0 43 |
| M29 | 16 55 | 25 38 | 4 36 | 6 36 | 3 4 | 0 49 | 1 21 | 2 39 | 1 25 | 18 10 | 0 35 | 2 58 | 2 37 | 16 19 | 0 21 | 15 51 | 1 43 | 7 47 | 12 4 | 0 27 | 0 55 | 8 43 | 8 32 | 0 43 |
| T 30 | 17n11 | 21n58 | 3n57 | 6n40 | 3s10 | 0s28 | 1s25 | 2s21 | 1s25 | 18s 9 | 0s36 | 2n59 | 2n37 | 16s18 | 0n21 | 15n51 | 1s43 | 7n48 | 12s 4 | 0s28 | 0s56 | 8n46 | 8n33 | 0n43 |

Julian Day Number = 2229576.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'45, Lahiri = 15°22'45 Julian Calendar 1 Apr. 1392 == Greg. Calendar 9 Apr. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## MAY 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 9 31 | 18♉44'33 | 22♌11 | 25♈14 | 3♈ 7 | 28♓ 9 | 10♒52 | 28°R30 | 15°R46 | 18♉56 | 27♉ 0 | 28°D50 | 27♓36 | 18♈10 | 20♈10 | W 1 |
| T 2 | 15 13 28 | 19°42'15 | 6♍ 2 | 25°49 | 4° 9 | 28°54 | 10°56 | 28♍28 | 15♏43 | 18°59 | 27° 2 | 28♓51 | 27°33 | 18°17 | 20°14 | T 2 |
| F 3 | 15 17 24 | 20°39'56 | 20°14 | 26°27 | 5°11 | 29°40 | 11° 0 | 28°26 | 15°41 | 19° 1 | 27° 3 | 28°52 | 27°30 | 18°23 | 20°17 | F 3 |
| S 4 | 15 21 21 | 21°37'35 | 4♎46 | 27°10 | 6°14 | 0♈25 | 11° 3 | 28°24 | 15°38 | 19° 3 | 27° 4 | 28°R52 | 27°26 | 18°30 | 20°20 | S 4 |
| S 5 | 15 25 18 | 22°35'13 | 19°34 | 27°56 | 7°17 | 1°10 | 11° 7 | 28°22 | 15°36 | 19° 5 | 27° 6 | 28°51 | 27°23 | 18°37 | 20°24 | S 5 |
| M 6 | 15 29 14 | 23°32'49 | 4♏33 | 28°45 | 8°20 | 1°56 | 11°10 | 28°21 | 15°33 | 19° 8 | 27° 7 | 28°47 | 27°20 | 18°43 | 20°27 | M 6 |
| T 7 | 15 33 11 | 24°30'24 | 19°35 | 29°38 | 9°23 | 2°41 | 11°13 | 28°19 | 15°31 | 19°10 | 27° 8 | 28°41 | 27°17 | 18°50 | 20°30 | T 7 |
| W 8 | 15 37 7 | 25°27'57 | 4♐31 | 0♉35 | 10°27 | 3°26 | 11°15 | 28°17 | 15°29 | 19°12 | 27°10 | 28°33 | 27°14 | 18°57 | 20°34 | W 8 |
| T 9 | 15 41 4 | 26°25'30 | 19°11 | 1°35 | 11°30 | 4°11 | 11°18 | 28°16 | 15°26 | 19°14 | 27°11 | 28°24 | 27°11 | 19° 3 | 20°37 | T 9 |
| F 10 | 15 45 0 | 27°23'02 | 3♑28 | 2°38 | 12°34 | 4°56 | 11°20 | 28°15 | 15°24 | 19°16 | 27°13 | 28°15 | 27° 7 | 19°10 | 20°40 | F 10 |
| S 11 | 15 48 57 | 28°20'32 | 17°19 | 3°44 | 13°39 | 5°41 | 11°22 | 28°14 | 15°21 | 19°19 | 27°14 | 28° 8 | 27° 4 | 19°17 | 20°43 | S 11 |
| S 12 | 15 52 54 | 29°18'02 | 0♒41 | 4°53 | 14°43 | 6°26 | 11°24 | 28°12 | 15°19 | 19°21 | 27°15 | 28° 2 | 27° 1 | 19°23 | 20°46 | S 12 |
| M13 | 15 56 50 | 0♊15'31 | 13°37 | 6° 5 | 15°48 | 7°11 | 11°26 | 28°11 | 15°16 | 19°23 | 27°17 | 27°59 | 26°58 | 19°30 | 20°50 | M13 |
| T 14 | 16 0 47 | 1°12'59 | 26° 8 | 7°20 | 16°52 | 7°56 | 11°28 | 28°10 | 15°14 | 19°25 | 27°18 | 27°D57 | 26°55 | 19°37 | 20°53 | T 14 |
| W15 | 16 4 43 | 2°10'26 | 8♓21 | 8°38 | 17°57 | 8°41 | 11°29 | 28°10 | 15°12 | 19°28 | 27°19 | 27°57 | 26°52 | 19°43 | 20°56 | W15 |
| T 16 | 16 8 40 | 3° 7'52 | 20°20 | 9°58 | 19° 2 | 9°26 | 11°31 | 28° 9 | 15° 9 | 19°30 | 27°21 | 27°58 | 26°48 | 19°50 | 20°59 | T 16 |
| F 17 | 16 12 36 | 4° 5'18 | 2♈10 | 11°22 | 20° 8 | 10°11 | 11°32 | 28° 8 | 15° 7 | 19°32 | 27°22 | 27°R58 | 26°45 | 19°57 | 21° 2 | F 17 |
| S 18 | 16 16 33 | 5° 2'43 | 13°57 | 12°48 | 21°13 | 10°56 | 11°32 | 28° 8 | 15° 5 | 19°34 | 27°23 | 27°57 | 26°42 | 20° 3 | 21° 5 | S 18 |
| S 19 | 16 20 29 | 6° 0'07 | 25°45 | 14°17 | 22°19 | 11°40 | 11°33 | 28° 7 | 15° 2 | 19°36 | 27°25 | 27°53 | 26°39 | 20°10 | 21° 8 | S 19 |
| M20 | 16 24 26 | 6°57'31 | 7♉38 | 15°48 | 23°25 | 12°25 | 11°34 | 28° 7 | 15° 0 | 19°39 | 27°26 | 27°47 | 26°36 | 20°17 | 21°11 | M20 |
| T 21 | 16 28 23 | 7°54'54 | 19°39 | 17°23 | 24°31 | 13°10 | 11°34 | 28° 7 | 14°58 | 19°41 | 27°27 | 27°39 | 26°32 | 20°23 | 21°13 | T 21 |
| W22 | 16 32 19 | 8°52'16 | 1♊49 | 19° 0 | 25°37 | 13°54 | 11°R34 | 28° 7 | 14°56 | 19°43 | 27°29 | 27°28 | 26°29 | 20°30 | 21°16 | W22 |
| T 23 | 16 36 16 | 9°49'37 | 14°12 | 20°39 | 26°43 | 14°39 | 11°34 | 28°D 7 | 14°53 | 19°45 | 27°30 | 27°16 | 26°26 | 20°37 | 21°19 | T 23 |
| F 24 | 16 40 12 | 10°46'58 | 26°46 | 22°22 | 27°49 | 15°23 | 11°34 | 28° 7 | 14°51 | 19°47 | 27°32 | 27° 3 | 26°23 | 20°43 | 21°22 | F 24 |
| S 25 | 16 44 9 | 11°44'18 | 9♋31 | 24° 7 | 28°56 | 16° 7 | 11°33 | 28° 7 | 14°49 | 19°49 | 27°33 | 26°52 | 26°20 | 20°50 | 21°25 | S 25 |
| S 26 | 16 48 5 | 12°41'37 | 22°29 | 25°54 | 0♉ 3 | 16°51 | 11°32 | 28° 7 | 14°47 | 19°51 | 27°34 | 26°42 | 26°17 | 20°57 | 21°27 | S 26 |
| M27 | 16 52 2 | 13°38'55 | 5♌39 | 27°44 | 1° 9 | 17°36 | 11°32 | 28° 8 | 14°45 | 19°53 | 27°35 | 26°35 | 26°13 | 21° 3 | 21°30 | M27 |
| T 28 | 16 55 58 | 14°36'13 | 19° 1 | 29°37 | 2°16 | 18°20 | 11°30 | 28° 8 | 14°43 | 19°56 | 27°37 | 26°30 | 26°10 | 21°10 | 21°32 | T 28 |
| W29 | 16 59 55 | 15°33'29 | 2♍35 | 1♊32 | 3°23 | 19° 4 | 11°29 | 28° 9 | 14°41 | 19°58 | 27°38 | 26°28 | 26° 7 | 21°17 | 21°35 | W29 |
| T 30 | 17 3 52 | 16°30'45 | 16°24 | 3°29 | 4°31 | 19°48 | 11°28 | 28° 9 | 14°39 | 20° 0 | 27°39 | 26°D28 | 26° 4 | 21°23 | 21°38 | T 30 |
| F 31 | 17 7 48 | 17♊27'59 | 0♎26 | 5♊29 | 5♉38 | 20♈32 | 11♒26 | 28♍10 | 14♏37 | 20♉ 2 | 27♉41 | 26°R28 | 26♓ 1 | 21♈30 | 21♈40 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n27 | 17n 4 | 3n 5 | 6n46 | 3s15 | 0s 7 | 1s29 | 2s 3 | 1s25 | 18s 8 | 0s36 | 2n59 | 2n37 | 16s17 | 0n21 | 15n52 | 1s43 | 7n48 | 12s 4 | 0s28 | 0s57 | 8n49 | 8n35 | 0n43 |
| T 2 | 17 43 | 11 11 | 2 0 | 6 55 | 3 19 | 0n15 | 1 32 | 1 44 | 1 25 | 18 7 | 0 36 | 3 0 | 2 36 | 16 16 | 0 21 | 15 52 | 1 43 | 7 48 | 12 4 | 0 27 | 0 59 | 8 53 | 8 36 | 0 43 |
| F 3 | 17 59 | 4 35 | 0 46 | 7 6 | 3 22 | 0 36 | 1 36 | 1 26 | 1 25 | 18 7 | 0 36 | 3 1 | 2 36 | 16 16 | 0 21 | 15 53 | 1 43 | 7 49 | 12 4 | 0 27 | 1 0 | 8 56 | 8 37 | 0 43 |
| S 4 | 18 14 | 2s23 | 0s32 | 7 19 | 3 24 | 0 58 | 1 39 | 1 8 | 1 25 | 18 6 | 0 36 | 3 1 | 2 36 | 16 15 | 0 21 | 15 54 | 1 43 | 7 49 | 12 4 | 0 27 | 1 1 | 8 59 | 8 38 | 0 43 |
| S 5 | 18 29 | 9 22 | 1 49 | 7 34 | 3 26 | 1 20 | 1 42 | 0 50 | 1 25 | 18 5 | 0 37 | 3 2 | 2 36 | 16 14 | 0 21 | 15 54 | 1 43 | 7 49 | 12 4 | 0 28 | 1 3 | 9 3 | 8 39 | 0 43 |
| M 6 | 18 43 | 15 54 | 2 59 | 7 51 | 3 27 | 1 42 | 1 45 | 0 32 | 1 25 | 18 5 | 0 37 | 3 2 | 2 36 | 16 14 | 0 21 | 15 55 | 1 43 | 7 50 | 12 4 | 0 29 | 1 4 | 9 6 | 8 41 | 0 43 |
| T 7 | 18 58 | 21 30 | 3 58 | 8 10 | 3 27 | 2 4 | 1 48 | 0 14 | 1 25 | 18 4 | 0 37 | 3 3 | 2 35 | 16 13 | 0 21 | 15 55 | 1 43 | 7 50 | 12 3 | 0 32 | 1 5 | 9 9 | 8 42 | 0 43 |
| W 8 | 19 12 | 25 41 | 4 39 | 8 30 | 3 26 | 2 27 | 1 51 | 0n 4 | 1 25 | 18 4 | 0 37 | 3 3 | 2 35 | 16 12 | 0 21 | 15 56 | 1 43 | 7 50 | 12 3 | 0 35 | 1 6 | 9 13 | 8 43 | 0 43 |
| T 9 | 19 25 | 28 5 | 5 1 | 8 52 | 3 24 | 2 49 | 1 54 | 0 22 | 1 25 | 18 3 | 0 38 | 3 4 | 2 35 | 16 11 | 0 21 | 15 57 | 1 43 | 7 51 | 12 3 | 0 38 | 1 8 | 9 16 | 8 44 | 0 43 |
| F 10 | 19 39 | 28 32 | 5 4 | 9 16 | 3 22 | 3 12 | 1 56 | 0 40 | 1 25 | 18 3 | 0 38 | 3 4 | 2 35 | 16 11 | 0 21 | 15 57 | 1 43 | 7 51 | 12 3 | 0 42 | 1 9 | 9 19 | 8 45 | 0 43 |
| S 11 | 19 51 | 27 10 | 4 48 | 9 41 | 3 19 | 3 35 | 1 59 | 0 58 | 1 25 | 18 2 | 0 38 | 3 4 | 2 34 | 16 10 | 0 21 | 15 58 | 1 43 | 7 51 | 12 3 | 0 45 | 1 10 | 9 22 | 8 47 | 0 43 |
| S 12 | 20 4 | 24 15 | 4 17 | 10 8 | 3 15 | 3 58 | 2 1 | 1 16 | 1 25 | 18 2 | 0 38 | 3 4 | 2 34 | 16 9 | 0 21 | 15 58 | 1 43 | 7 52 | 12 3 | 0 47 | 1 11 | 9 26 | 8 48 | 0 43 |
| M13 | 20 16 | 20 13 | 3 34 | 10 35 | 3 11 | 4 21 | 2 3 | 1 33 | 1 25 | 18 2 | 0 39 | 3 5 | 2 34 | 16 9 | 0 21 | 15 59 | 1 43 | 7 52 | 12 3 | 0 48 | 1 13 | 9 29 | 8 49 | 0 43 |
| T 14 | 20 28 | 15 23 | 2 42 | 11 4 | 3 6 | 4 44 | 2 5 | 1 51 | 1 25 | 18 1 | 0 39 | 3 5 | 2 34 | 16 8 | 0 21 | 16 0 | 1 43 | 7 52 | 12 3 | 0 49 | 1 14 | 9 32 | 8 50 | 0 43 |
| W15 | 20 40 | 10 3 | 1 43 | 11 35 | 3 0 | 5 7 | 2 7 | 2 9 | 1 25 | 18 1 | 0 39 | 3 5 | 2 34 | 16 7 | 0 21 | 16 0 | 1 43 | 7 53 | 12 3 | 0 49 | 1 15 | 9 36 | 8 51 | 0 43 |
| T 16 | 20 51 | 4 28 | 0 41 | 12 6 | 2 54 | 5 30 | 2 9 | 2 27 | 1 25 | 18 1 | 0 39 | 3 5 | 2 33 | 16 7 | 0 21 | 16 1 | 1 43 | 7 53 | 12 3 | 0 49 | 1 16 | 9 39 | 8 52 | 0 42 |
| F 17 | 21 2 | 1n12 | 0n22 | 12 38 | 2 48 | 5 53 | 2 10 | 2 45 | 1 25 | 18 1 | 0 40 | 3 5 | 2 33 | 16 6 | 0 20 | 16 1 | 1 43 | 7 53 | 12 3 | 0 49 | 1 18 | 9 42 | 8 53 | 0 42 |
| S 18 | 21 13 | 6 49 | 1 24 | 13 11 | 2 40 | 6 16 | 2 12 | 3 2 | 1 25 | 18 1 | 0 40 | 3 5 | 2 33 | 16 5 | 0 20 | 16 2 | 1 43 | 7 53 | 12 3 | 0 49 | 1 19 | 9 45 | 8 54 | 0 42 |
| S 19 | 21 23 | 12 11 | 2 22 | 13 45 | 2 33 | 6 39 | 2 13 | 3 20 | 1 25 | 18 1 | 0 40 | 3 5 | 2 33 | 16 5 | 0 20 | 16 3 | 1 43 | 7 54 | 12 3 | 0 51 | 1 20 | 9 49 | 8 55 | 0 42 |
| M20 | 21 33 | 17 10 | 3 14 | 14 19 | 2 24 | 7 3 | 2 14 | 3 37 | 1 25 | 18 1 | 0 40 | 3 5 | 2 32 | 16 4 | 0 20 | 16 3 | 1 43 | 7 54 | 12 3 | 0 53 | 1 22 | 9 52 | 8 56 | 0 42 |
| T 21 | 21 42 | 21 32 | 3 58 | 14 54 | 2 16 | 7 26 | 2 15 | 3 55 | 1 25 | 18 1 | 0 41 | 3 5 | 2 32 | 16 3 | 0 20 | 16 4 | 1 43 | 7 54 | 12 3 | 0 56 | 1 23 | 9 55 | 8 58 | 0 42 |
| W22 | 21 51 | 25 2 | 4 32 | 15 30 | 2 7 | 7 49 | 2 16 | 4 12 | 1 24 | 18 2 | 0 41 | 3 5 | 2 32 | 16 3 | 0 20 | 16 4 | 1 43 | 7 55 | 12 3 | 1 1 | 1 24 | 9 59 | 8 59 | 0 42 |
| T 23 | 22 0 | 27 26 | 4 54 | 16 6 | 1 57 | 8 12 | 2 17 | 4 30 | 1 24 | 18 2 | 0 41 | 3 4 | 2 32 | 16 2 | 0 20 | 16 5 | 1 43 | 7 55 | 12 3 | 1 5 | 1 25 | 10 2 | 9 0 | 0 42 |
| F 24 | 22 8 | 28 30 | 5 1 | 16 42 | 1 47 | 8 35 | 2 18 | 4 47 | 1 24 | 18 2 | 0 41 | 3 4 | 2 32 | 16 1 | 0 20 | 16 5 | 1 43 | 7 55 | 12 3 | 1 10 | 1 27 | 10 5 | 9 1 | 0 42 |
| S 25 | 22 16 | 28 4 | 4 54 | 17 18 | 1 37 | 8 58 | 2 19 | 5 4 | 1 24 | 18 3 | 0 42 | 3 4 | 2 31 | 16 1 | 0 20 | 16 6 | 1 43 | 7 55 | 12 3 | 1 15 | 1 28 | 10 8 | 9 2 | 0 42 |
| S 26 | 22 24 | 26 6 | 4 32 | 17 54 | 1 27 | 9 21 | 2 19 | 5 21 | 1 24 | 18 3 | 0 42 | 3 4 | 2 31 | 16 0 | 0 20 | 16 6 | 1 43 | 7 56 | 12 3 | 1 19 | 1 29 | 10 12 | 9 2 | 0 42 |
| M27 | 22 31 | 22 43 | 3 55 | 18 29 | 1 16 | 9 44 | 2 20 | 5 38 | 1 24 | 18 3 | 0 42 | 3 3 | 2 31 | 16 0 | 0 20 | 16 7 | 1 43 | 7 56 | 12 3 | 1 22 | 1 30 | 10 15 | 9 3 | 0 42 |
| T 28 | 22 38 | 18 5 | 3 4 | 19 5 | 1 5 | 10 7 | 2 20 | 5 56 | 1 23 | 18 4 | 0 42 | 3 3 | 2 31 | 15 59 | 0 20 | 16 8 | 1 43 | 7 56 | 12 3 | 1 24 | 1 32 | 10 18 | 9 4 | 0 42 |
| W29 | 22 44 | 12 30 | 2 3 | 19 40 | 0 54 | 10 29 | 2 20 | 6 12 | 1 23 | 18 5 | 0 43 | 3 2 | 2 30 | 15 58 | 0 20 | 16 8 | 1 43 | 7 56 | 12 3 | 1 24 | 1 33 | 10 21 | 9 5 | 0 42 |
| T 30 | 22 50 | 6 12 | 0 53 | 20 14 | 0 43 | 10 52 | 2 20 | 6 29 | 1 23 | 18 5 | 0 43 | 3 2 | 2 30 | 15 58 | 0 20 | 16 9 | 1 43 | 7 57 | 12 3 | 1 25 | 1 34 | 10 25 | 9 6 | 0 42 |
| F 31 | 22n56 | 0s30 | 0s21 | 20n47 | 0s31 | 11n14 | 2s20 | 6n46 | 1s23 | 18s 6 | 0s43 | 3n 1 | 2n30 | 15s57 | 0n20 | 16n 9 | 1s43 | 7n57 | 12s 4 | 1s25 | 1s35 | 10n28 | 9n 7 | 0n42 |

Julian Day Number = 2229606.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'15, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'49, Lahiri = 15°22'50 Julian Calendar 1 May 1392 == Greg. Calendar 9 May 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## JUNE 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 11 45 | 18♊25'13 | 14♎42 | 7♊31 | 6♉45 | 21♈16 | 11°R24 | 28♍11 | 14°R35 | 20♉ 4 | 27♉42 | 26°R27 | 25♓57 | 21♈37 | 21♈42 | S 1 |
| S 2 | 17 15 41 | 19°22'26 | 29°11 | 9°34 | 7°53 | 22° 0 | 11♒22 | 28°12 | 14♏33 | 20° 6 | 27°43 | 26♓24 | 25°54 | 21°43 | 21°45 | S 2 |
| M 3 | 17 19 38 | 20°19'39 | 13♏48 | 11°40 | 9° 0 | 22°43 | 11°20 | 28°13 | 14°31 | 20° 8 | 27°45 | 26°19 | 25°51 | 21°50 | 21°47 | M 3 |
| T 4 | 17 23 34 | 21°16'50 | 28°29 | 13°47 | 10° 8 | 23°27 | 11°18 | 28°14 | 14°29 | 20°10 | 27°46 | 26°11 | 25°48 | 21°57 | 21°50 | T 4 |
| W 5 | 17 27 31 | 22°14'02 | 13♐ 6 | 15°55 | 11°16 | 24°11 | 11°15 | 28°16 | 14°27 | 20°12 | 27°47 | 26° 1 | 25°45 | 22° 3 | 21°52 | W 5 |
| T 6 | 17 31 27 | 23°11'13 | 27°32 | 18° 5 | 12°24 | 24°54 | 11°12 | 28°17 | 14°26 | 20°14 | 27°48 | 25°50 | 25°42 | 22°10 | 21°54 | T 6 |
| F 7 | 17 35 24 | 24° 8'24 | 11♑40 | 20°15 | 13°32 | 25°38 | 11° 9 | 28°18 | 14°24 | 20°16 | 27°50 | 25°38 | 25°38 | 22°17 | 21°56 | F 7 |
| S 8 | 17 39 21 | 25° 5'34 | 25°25 | 22°26 | 14°40 | 26°21 | 11° 6 | 28°20 | 14°22 | 20°18 | 27°51 | 25°28 | 25°35 | 22°23 | 21°58 | S 8 |
| S 9 | 17 43 17 | 26° 2'45 | 8♒46 | 24°37 | 15°49 | 27° 4 | 11° 3 | 28°22 | 14°20 | 20°20 | 27°52 | 25°20 | 25°32 | 22°30 | 22° 1 | S 9 |
| M10 | 17 47 14 | 26°59'55 | 21°41 | 26°48 | 16°57 | 27°48 | 11° 0 | 28°23 | 14°19 | 20°21 | 27°53 | 25°15 | 25°29 | 22°36 | 22° 3 | M10 |
| T 11 | 17 51 10 | 27°57'05 | 4♓14 | 28°59 | 18° 6 | 28°31 | 10°56 | 28°25 | 14°17 | 20°23 | 27°55 | 25°12 | 25°26 | 22°43 | 22° 5 | T 11 |
| W12 | 17 55 7 | 28°54'16 | 16°28 | 1♋ 9 | 19°14 | 29°14 | 10°52 | 28°27 | 14°16 | 20°25 | 27°56 | 25°11 | 25°23 | 22°50 | 22° 7 | W12 |
| T 13 | 17 59 3 | 29°51'26 | 28°28 | 3°19 | 20°23 | 29°57 | 10°48 | 28°29 | 14°14 | 20°27 | 27°57 | 25°11 | 25°19 | 22°56 | 22° 8 | T 13 |
| F 14 | 18 3 0 | 0♋48'37 | 10♈20 | 5°27 | 21°32 | 0♉40 | 10°44 | 28°31 | 14°13 | 20°29 | 27°58 | 25°10 | 25°16 | 23° 3 | 22°10 | F 14 |
| S 15 | 18 6 56 | 1°45'48 | 22° 8 | 7°34 | 22°41 | 1°23 | 10°40 | 28°34 | 14°11 | 20°31 | 27°59 | 25° 9 | 25°13 | 23°10 | 22°12 | S 15 |
| S 16 | 18 10 53 | 2°42'59 | 3♉59 | 9°40 | 23°50 | 2° 5 | 10°35 | 28°36 | 14°10 | 20°32 | 28° 0 | 25° 6 | 25°10 | 23°16 | 22°14 | S 16 |
| M17 | 18 14 50 | 3°40'10 | 15°56 | 11°45 | 24°59 | 2°48 | 10°30 | 28°38 | 14° 9 | 20°34 | 28° 2 | 25° 0 | 25° 7 | 23°23 | 22°16 | M17 |
| T 18 | 18 18 46 | 4°37'22 | 28° 4 | 13°48 | 26° 8 | 3°31 | 10°26 | 28°41 | 14° 7 | 20°36 | 28° 3 | 24°51 | 25° 3 | 23°30 | 22°17 | T 18 |
| W19 | 18 22 43 | 5°34'34 | 10♊25 | 15°49 | 27°17 | 4°13 | 10°21 | 28°44 | 14° 6 | 20°38 | 28° 4 | 24°41 | 25° 0 | 23°36 | 22°19 | W19 |
| T 20 | 18 26 39 | 6°31'46 | 23° 1 | 17°49 | 28°26 | 4°56 | 10°16 | 28°46 | 14° 5 | 20°39 | 28° 5 | 24°29 | 24°57 | 23°43 | 22°20 | T 20 |
| F 21 | 18 30 36 | 7°28'59 | 5♋52 | 19°46 | 29°36 | 5°38 | 10°10 | 28°49 | 14° 4 | 20°41 | 28° 6 | 24°16 | 24°54 | 23°50 | 22°22 | F 21 |
| S 22 | 18 34 32 | 8°26'11 | 18°58 | 21°42 | 0♊45 | 6°20 | 10° 5 | 28°52 | 14° 2 | 20°43 | 28° 7 | 24° 5 | 24°51 | 23°56 | 22°23 | S 22 |
| S 23 | 18 38 29 | 9°23'24 | 2♌18 | 23°36 | 1°55 | 7° 3 | 9°59 | 28°55 | 14° 1 | 20°44 | 28° 8 | 23°55 | 24°48 | 24° 3 | 22°25 | S 23 |
| M24 | 18 42 26 | 10°20'37 | 15°48 | 25°28 | 3° 5 | 7°45 | 9°54 | 28°58 | 14° 0 | 20°46 | 28° 9 | 23°47 | 24°44 | 24°10 | 22°26 | M24 |
| T 25 | 18 46 22 | 11°17'50 | 29°29 | 27°18 | 4°14 | 8°27 | 9°48 | 29° 1 | 13°59 | 20°48 | 28°10 | 23°43 | 24°41 | 24°16 | 22°28 | T 25 |
| W26 | 18 50 19 | 12°15'03 | 13♍18 | 29° 7 | 5°24 | 9° 9 | 9°42 | 29° 5 | 13°58 | 20°49 | 28°11 | 23°41 | 24°38 | 24°23 | 22°29 | W26 |
| T 27 | 18 54 15 | 13°12'15 | 27°14 | 0♌53 | 6°34 | 9°51 | 9°36 | 29° 8 | 13°58 | 20°51 | 28°12 | 23°D41 | 24°35 | 24°30 | 22°30 | T 27 |
| F 28 | 18 58 12 | 14° 9'28 | 11♎17 | 2°38 | 7°44 | 10°32 | 9°29 | 29°11 | 13°57 | 20°52 | 28°13 | 23°R41 | 24°32 | 24°36 | 22°31 | F 28 |
| S 29 | 19 2 8 | 15° 6'42 | 25°26 | 4°20 | 8°54 | 11°14 | 9°23 | 29°15 | 13°56 | 20°54 | 28°14 | 23°40 | 24°29 | 24°43 | 22°32 | S 29 |
| S 30 | 19 6 5 | 16♋ 3'55 | 9♏40 | 6♌ 1 | 10♊ 4 | 11♉55 | 9♒16 | 29♍18 | 13♏55 | 20♉55 | 28♉15 | 23♓38 | 24♓25 | 24♈50 | 22♈33 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n 1 | 7s16 | 1s35 | 21n18 | 0s20 | 11n36 | 2s20 | 7n 3 | 1s23 | 18s 7 | 0s43 | 3n 1 | 2n30 | 15s57 | 0n20 | 16n10 | 1s43 | 7n57 | 12s 4 | 1s25 | 1s37 | 10n31 | 9n 8 | 0n42 |
| S 2 | 23 6 | 13 46 | 2 44 | 21 49 | 0 9 | 11 58 | 2 20 | 7 19 | 1 22 | 18 7 | 0 44 | 3 0 | 2 29 | 15 56 | 0 20 | 16 10 | 1 43 | 7 57 | 12 4 | 1 26 | 1 38 | 10 34 | 9 9 | 0 42 |
| M 3 | 23 10 | 19 34 | 3 42 | 22 18 | 0n 2 | 12 20 | 2 20 | 7 36 | 1 22 | 18 8 | 0 44 | 2 59 | 2 29 | 15 56 | 0 20 | 16 11 | 1 43 | 7 57 | 12 4 | 1 28 | 1 39 | 10 38 | 9 10 | 0 42 |
| T 4 | 23 14 | 24 13 | 4 27 | 22 45 | 0 13 | 12 42 | 2 19 | 7 52 | 1 22 | 18 9 | 0 44 | 2 59 | 2 29 | 15 55 | 0 20 | 16 11 | 1 43 | 7 58 | 12 4 | 1 31 | 1 41 | 10 41 | 9 11 | 0 42 |
| W 5 | 23 18 | 27 17 | 4 53 | 23 10 | 0 24 | 13 4 | 2 19 | 8 9 | 1 21 | 18 10 | 0 44 | 2 58 | 2 29 | 15 55 | 0 20 | 16 12 | 1 43 | 7 58 | 12 4 | 1 35 | 1 42 | 10 44 | 9 11 | 0 42 |
| T 6 | 23 21 | 28 30 | 5 0 | 23 33 | 0 34 | 13 25 | 2 18 | 8 25 | 1 21 | 18 11 | 0 45 | 2 57 | 2 29 | 15 54 | 0 20 | 16 12 | 1 43 | 7 58 | 12 4 | 1 40 | 1 43 | 10 47 | 9 12 | 0 41 |
| F 7 | 23 23 | 27 48 | 4 49 | 23 53 | 0 43 | 13 46 | 2 18 | 8 41 | 1 21 | 18 12 | 0 45 | 2 56 | 2 28 | 15 54 | 0 20 | 16 13 | 1 43 | 7 58 | 12 4 | 1 44 | 1 44 | 10 51 | 9 13 | 0 41 |
| S 8 | 23 26 | 25 24 | 4 21 | 24 11 | 0 53 | 14 7 | 2 17 | 8 57 | 1 21 | 18 13 | 0 45 | 2 56 | 2 28 | 15 53 | 0 20 | 16 13 | 1 43 | 7 58 | 12 4 | 1 48 | 1 46 | 10 54 | 9 14 | 0 41 |
| S 9 | 23 28 | 21 39 | 3 39 | 24 26 | 1 1 | 14 27 | 2 16 | 9 13 | 1 20 | 18 14 | 0 45 | 2 55 | 2 28 | 15 53 | 0 20 | 16 14 | 1 43 | 7 59 | 12 4 | 1 52 | 1 47 | 10 57 | 9 14 | 0 41 |
| M10 | 23 29 | 16 58 | 2 47 | 24 38 | 1 10 | 14 48 | 2 15 | 9 29 | 1 20 | 18 16 | 0 45 | 2 54 | 2 28 | 15 52 | 0 20 | 16 14 | 1 43 | 7 59 | 12 4 | 1 54 | 1 48 | 11 0 | 9 15 | 0 41 |
| T 11 | 23 30 | 11 40 | 1 48 | 24 48 | 1 17 | 15 8 | 2 14 | 9 45 | 1 20 | 18 17 | 0 46 | 2 53 | 2 27 | 15 52 | 0 20 | 16 15 | 1 43 | 7 59 | 12 4 | 1 55 | 1 49 | 11 4 | 9 16 | 0 41 |
| W12 | 23 31 | 6 4 | 0 46 | 24 55 | 1 24 | 15 28 | 2 13 | 10 0 | 1 19 | 18 18 | 0 46 | 2 52 | 2 27 | 15 51 | 0 20 | 16 15 | 1 44 | 7 59 | 12 4 | 1 55 | 1 51 | 11 7 | 9 17 | 0 41 |
| T 13 | 23 31 | 0 21 | 0n17 | 24 59 | 1 30 | 15 47 | 2 12 | 10 16 | 1 19 | 18 19 | 0 46 | 2 51 | 2 27 | 15 51 | 0 20 | 16 16 | 1 44 | 7 59 | 12 4 | 1 55 | 1 52 | 11 10 | 9 17 | 0 41 |
| F 14 | 23 31 | 5n19 | 1 19 | 25 0 | 1 35 | 16 6 | 2 10 | 10 31 | 1 19 | 18 21 | 0 46 | 2 50 | 2 27 | 15 50 | 0 20 | 16 16 | 1 44 | 7 59 | 12 5 | 1 55 | 1 53 | 11 13 | 9 18 | 0 41 |
| S 15 | 23 31 | 10 47 | 2 18 | 24 58 | 1 40 | 16 25 | 2 9 | 10 46 | 1 18 | 18 22 | 0 47 | 2 49 | 2 26 | 15 50 | 0 20 | 16 16 | 1 44 | 8 0 | 12 5 | 1 56 | 1 54 | 11 16 | 9 19 | 0 41 |
| S 16 | 23 30 | 15 52 | 3 10 | 24 54 | 1 44 | 16 44 | 2 8 | 11 1 | 1 18 | 18 24 | 0 47 | 2 48 | 2 26 | 15 50 | 0 20 | 16 17 | 1 44 | 8 0 | 12 5 | 1 57 | 1 56 | 11 20 | 9 19 | 0 41 |
| M17 | 23 28 | 20 24 | 3 55 | 24 47 | 1 47 | 17 2 | 2 6 | 11 16 | 1 17 | 18 25 | 0 47 | 2 46 | 2 26 | 15 49 | 0 20 | 16 17 | 1 44 | 8 0 | 12 5 | 2 0 | 1 57 | 11 23 | 9 20 | 0 41 |
| T 18 | 23 26 | 24 10 | 4 29 | 24 37 | 1 50 | 17 20 | 2 4 | 11 31 | 1 17 | 18 27 | 0 47 | 2 45 | 2 26 | 15 49 | 0 20 | 16 18 | 1 44 | 8 0 | 12 5 | 2 3 | 1 58 | 11 26 | 9 20 | 0 41 |
| W19 | 23 24 | 26 54 | 4 52 | 24 25 | 1 51 | 17 38 | 2 3 | 11 46 | 1 17 | 18 28 | 0 48 | 2 44 | 2 26 | 15 49 | 0 20 | 16 18 | 1 44 | 8 0 | 12 5 | 2 7 | 1 59 | 11 29 | 9 21 | 0 41 |
| T 20 | 23 22 | 28 20 | 5 1 | 24 11 | 1 52 | 17 55 | 2 1 | 12 1 | 1 16 | 18 30 | 0 48 | 2 43 | 2 25 | 15 48 | 0 20 | 16 19 | 1 44 | 8 0 | 12 5 | 2 12 | 2 1 | 11 32 | 9 21 | 0 41 |
| F 21 | 23 19 | 28 18 | 4 55 | 23 55 | 1 53 | 18 12 | 1 59 | 12 15 | 1 16 | 18 32 | 0 48 | 2 41 | 2 25 | 15 48 | 0 20 | 16 19 | 1 44 | 8 0 | 12 5 | 2 17 | 2 2 | 11 36 | 9 22 | 0 41 |
| S 22 | 23 15 | 26 41 | 4 33 | 23 37 | 1 52 | 18 28 | 1 57 | 12 30 | 1 15 | 18 33 | 0 48 | 2 40 | 2 25 | 15 48 | 0 20 | 16 19 | 1 44 | 8 0 | 12 5 | 2 22 | 2 3 | 11 39 | 9 23 | 0 41 |
| S 23 | 23 11 | 23 33 | 3 57 | 23 17 | 1 51 | 18 44 | 1 55 | 12 44 | 1 15 | 18 35 | 0 48 | 2 39 | 2 25 | 15 47 | 0 20 | 16 20 | 1 44 | 8 0 | 12 6 | 2 26 | 2 5 | 11 42 | 9 23 | 0 41 |
| M24 | 23 7 | 19 7 | 3 6 | 22 55 | 1 50 | 18 59 | 1 53 | 12 58 | 1 14 | 18 37 | 0 49 | 2 37 | 2 24 | 15 47 | 0 20 | 16 20 | 1 44 | 8 1 | 12 6 | 2 28 | 2 6 | 11 45 | 9 23 | 0 41 |
| T 25 | 23 2 | 13 38 | 2 5 | 22 31 | 1 47 | 19 14 | 1 51 | 13 12 | 1 14 | 18 38 | 0 49 | 2 36 | 2 24 | 15 47 | 0 20 | 16 20 | 1 44 | 8 1 | 12 6 | 2 30 | 2 7 | 11 48 | 9 24 | 0 41 |
| W26 | 22 57 | 7 26 | 0 55 | 22 7 | 1 44 | 19 29 | 1 49 | 13 26 | 1 13 | 18 40 | 0 49 | 2 34 | 2 24 | 15 46 | 0 20 | 16 21 | 1 44 | 8 1 | 12 6 | 2 31 | 2 8 | 11 52 | 9 24 | 0 41 |
| T 27 | 22 52 | 0 49 | 0s19 | 21 40 | 1 41 | 19 43 | 1 47 | 13 40 | 1 13 | 18 42 | 0 49 | 2 33 | 2 24 | 15 46 | 0 20 | 16 21 | 1 44 | 8 1 | 12 6 | 2 31 | 2 10 | 11 55 | 9 25 | 0 41 |
| F 28 | 22 46 | 5s53 | 1 32 | 21 13 | 1 37 | 19 57 | 1 45 | 13 53 | 1 12 | 18 44 | 0 50 | 2 31 | 2 24 | 15 46 | 0 20 | 16 22 | 1 44 | 8 1 | 12 6 | 2 31 | 2 11 | 11 58 | 9 25 | 0 41 |
| S 29 | 22 40 | 12 21 | 2 40 | 20 44 | 1 33 | 20 10 | 1 42 | 14 7 | 1 12 | 18 46 | 0 50 | 2 30 | 2 23 | 15 46 | 0 20 | 16 22 | 1 44 | 8 1 | 12 6 | 2 31 | 2 12 | 12 1 | 9 26 | 0 41 |
| S 30 | 22n33 | 18s13 | 3s39 | 20n15 | 1n28 | 20n23 | 1s40 | 14n20 | 1s11 | 18s48 | 0s50 | 2n28 | 2n23 | 15s46 | 0n20 | 16n22 | 1s44 | 8n 1 | 12s 7 | 2s32 | 2s13 | 12n 4 | 9n26 | 0n41 |

Julian Day Number = 2229637.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'53, Lahiri = 15°22'54 Julian Calendar 1 June 1392 == Greg. Calendar 9 June 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## JULY 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 10 1 | 17♋ 1'08 | 23♏56 | 7♌39 | 11♊14 | 12♉37 | 9°R10 | 29♍22 | 13°R54 | 20♉57 | 28♉16 | 23°R34 | 24♓22 | 24♈56 | 22♈34 | M 1 |
| T 2 | 19 13 58 | 17°58'22 | 8♐12 | 9°16 | 12°24 | 13°18 | 9♒ 3 | 29°26 | 13♏54 | 20°58 | 28°17 | 23♓27 | 24°19 | 25° 3 | 22°35 | T 2 |
| W 3 | 19 17 55 | 18°55'36 | 22°23 | 10°51 | 13°35 | 13°59 | 8°56 | 29°30 | 13°53 | 20°59 | 28°18 | 23°19 | 24°16 | 25°10 | 22°36 | W 3 |
| T 4 | 19 21 51 | 19°52'51 | 6♑25 | 12°24 | 14°45 | 14°41 | 8°49 | 29°34 | 13°53 | 21° 1 | 28°19 | 23° 9 | 24°13 | 25°16 | 22°37 | T 4 |
| F 5 | 19 25 48 | 20°50'06 | 20°12 | 13°55 | 15°56 | 15°22 | 8°42 | 29°38 | 13°52 | 21° 2 | 28°20 | 22°59 | 24°10 | 25°23 | 22°38 | F 5 |
| S 6 | 19 29 44 | 21°47'22 | 3♒42 | 15°25 | 17° 6 | 16° 3 | 8°35 | 29°42 | 13°52 | 21° 3 | 28°21 | 22°50 | 24° 6 | 25°30 | 22°39 | S 6 |
| S 7 | 19 33 41 | 22°44'38 | 16°51 | 16°52 | 18°17 | 16°43 | 8°28 | 29°46 | 13°51 | 21° 5 | 28°22 | 22°43 | 24° 3 | 25°36 | 22°39 | S 7 |
| M 8 | 19 37 37 | 23°41'55 | 29°40 | 18°17 | 19°28 | 17°24 | 8°21 | 29°50 | 13°51 | 21° 6 | 28°23 | 22°38 | 24° 0 | 25°43 | 22°40 | M 8 |
| T 9 | 19 41 34 | 24°39'13 | 12♓ 9 | 19°40 | 20°38 | 18° 5 | 8°14 | 29°54 | 13°51 | 21° 7 | 28°23 | 22°36 | 23°57 | 25°50 | 22°40 | T 9 |
| W10 | 19 45 30 | 25°36'32 | 24°22 | 21° 2 | 21°49 | 18°45 | 8° 6 | 29°59 | 13°50 | 21° 8 | 28°24 | 22°D35 | 23°54 | 25°56 | 22°41 | W10 |
| T 11 | 19 49 27 | 26°33'51 | 6♈23 | 22°21 | 23° 0 | 19°26 | 7°59 | 0♎ 3 | 13°50 | 21°10 | 28°25 | 22°36 | 23°50 | 26° 3 | 22°41 | T 11 |
| F 12 | 19 53 24 | 27°31'12 | 18°15 | 23°38 | 24°11 | 20° 6 | 7°51 | 0° 8 | 13°50 | 21°11 | 28°26 | 22°37 | 23°47 | 26°10 | 22°42 | F 12 |
| S 13 | 19 57 20 | 28°28'34 | 0♉ 5 | 24°53 | 25°22 | 20°46 | 7°44 | 0°12 | 13°50 | 21°12 | 28°27 | 22°R37 | 23°44 | 26°16 | 22°42 | S 13 |
| S 14 | 20 1 17 | 29°25'57 | 11°57 | 26° 5 | 26°33 | 21°26 | 7°36 | 0°17 | 13°D50 | 21°13 | 28°27 | 22°36 | 23°41 | 26°23 | 22°42 | S 14 |
| M15 | 20 5 13 | 0♌23'22 | 23°57 | 27°16 | 27°44 | 22° 6 | 7°28 | 0°22 | 13°50 | 21°14 | 28°28 | 22°33 | 23°38 | 26°30 | 22°43 | M15 |
| T 16 | 20 9 10 | 1°20'47 | 6♊ 9 | 28°24 | 28°56 | 22°46 | 7°20 | 0°27 | 13°50 | 21°15 | 28°29 | 22°29 | 23°35 | 26°36 | 22°43 | T 16 |
| W17 | 20 13 6 | 2°18'14 | 18°36 | 29°29 | 0♋ 7 | 23°26 | 7°13 | 0°31 | 13°50 | 21°16 | 28°30 | 22°22 | 23°31 | 26°43 | 22°43 | W17 |
| T 18 | 20 17 3 | 3°15'42 | 1♋22 | 0♍32 | 1°18 | 24° 5 | 7° 5 | 0°36 | 13°50 | 21°17 | 28°30 | 22°14 | 23°28 | 26°50 | 22°43 | T 18 |
| F 19 | 20 20 59 | 4°13'11 | 14°27 | 1°32 | 2°30 | 24°45 | 6°57 | 0°41 | 13°51 | 21°18 | 28°31 | 22° 6 | 23°25 | 26°56 | 22°R43 | F 19 |
| S 20 | 20 24 56 | 5°10'42 | 27°52 | 2°30 | 3°41 | 25°24 | 6°49 | 0°47 | 13°51 | 21°19 | 28°32 | 21°58 | 23°22 | 27° 3 | 22°43 | S 20 |
| S 21 | 20 28 53 | 6° 8'13 | 11♌33 | 3°25 | 4°53 | 26° 4 | 6°42 | 0°52 | 13°51 | 21°20 | 28°32 | 21°52 | 23°19 | 27°10 | 22°43 | S 21 |
| M22 | 20 32 49 | 7° 5'45 | 25°28 | 4°16 | 6° 5 | 26°43 | 6°34 | 0°57 | 13°51 | 21°21 | 28°33 | 21°47 | 23°16 | 27°16 | 22°43 | M22 |
| T 23 | 20 36 46 | 8° 3'18 | 9♍34 | 5° 5 | 7°16 | 27°22 | 6°26 | 1° 2 | 13°52 | 21°21 | 28°33 | 21°44 | 23°12 | 27°23 | 22°42 | T 23 |
| W24 | 20 40 42 | 9° 0'53 | 23°45 | 5°50 | 8°28 | 28° 1 | 6°18 | 1° 8 | 13°52 | 21°22 | 28°34 | 21°D44 | 23° 9 | 27°30 | 22°42 | W24 |
| T 25 | 20 44 39 | 9°58'28 | 8♎ 0 | 6°31 | 9°40 | 28°39 | 6°10 | 1°13 | 13°53 | 21°23 | 28°35 | 21°45 | 23° 6 | 27°36 | 22°42 | T 25 |
| F 26 | 20 48 35 | 10°56'04 | 22°15 | 7° 9 | 10°52 | 29°18 | 6° 2 | 1°18 | 13°53 | 21°24 | 28°35 | 21°46 | 23° 3 | 27°43 | 22°41 | F 26 |
| S 27 | 20 52 32 | 11°53'41 | 6♏28 | 7°43 | 12° 4 | 29°56 | 5°55 | 1°24 | 13°54 | 21°24 | 28°36 | 21°R47 | 23° 0 | 27°50 | 22°41 | S 27 |
| S 28 | 20 56 28 | 12°51'19 | 20°36 | 8°12 | 13°16 | 0♊35 | 5°47 | 1°30 | 13°55 | 21°25 | 28°36 | 21°47 | 22°56 | 27°56 | 22°40 | S 28 |
| M29 | 21 0 25 | 13°48'59 | 4♐39 | 8°37 | 14°28 | 1°13 | 5°39 | 1°35 | 13°56 | 21°26 | 28°37 | 21°45 | 22°53 | 28° 3 | 22°40 | M29 |
| T 30 | 21 4 22 | 14°46'39 | 18°35 | 8°58 | 15°40 | 1°51 | 5°32 | 1°41 | 13°56 | 21°26 | 28°37 | 21°42 | 22°50 | 28°10 | 22°39 | T 30 |
| W31 | 21 8 18 | 15♌44'20 | 2♑21 | 9♍14 | 16♋52 | 2♊29 | 5♒24 | 1♎47 | 13♏57 | 21♉27 | 28♉37 | 21♓37 | 22♓47 | 28♈17 | 22♈39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n26 | 23s 5 | 4s24 | 19n44 | 1n22 | 20n35 | 1s38 | 14n33 | 1s11 | 18s50 | 0s50 | 2n26 | 2n23 | 15s45 | 0n20 | 16n23 | 1s44 | 8n 1 | 12s 7 | 2s34 | 2s15 | 12n 8 | 9n26 | 0n40 |
| T 2 | 22 19 | 26 34 | 4 53 | 19 13 | 1 16 | 20 47 | 1 35 | 14 46 | 1 10 | 18 52 | 0 50 | 2 25 | 2 23 | 15 45 | 0 20 | 16 23 | 1 44 | 8 1 | 12 7 | 2 36 | 2 16 | 12 11 | 9 27 | 0 40 |
| W 3 | 22 11 | 28 21 | 5 3 | 18 41 | 1 10 | 20 58 | 1 33 | 14 59 | 1 10 | 18 54 | 0 51 | 2 23 | 2 23 | 15 45 | 0 19 | 16 23 | 1 44 | 8 1 | 12 7 | 2 40 | 2 17 | 12 14 | 9 27 | 0 40 |
| T 4 | 22 3 | 28 17 | 4 55 | 18 9 | 1 3 | 21 9 | 1 30 | 15 12 | 1 9 | 18 56 | 0 51 | 2 21 | 2 22 | 15 45 | 0 19 | 16 24 | 1 44 | 8 1 | 12 7 | 2 44 | 2 18 | 12 17 | 9 27 | 0 40 |
| F 5 | 21 54 | 26 27 | 4 30 | 17 36 | 0 56 | 21 19 | 1 28 | 15 24 | 1 9 | 18 58 | 0 51 | 2 19 | 2 22 | 15 45 | 0 19 | 16 24 | 1 44 | 8 1 | 12 7 | 2 48 | 2 20 | 12 20 | 9 27 | 0 40 |
| S 6 | 21 45 | 23 7 | 3 50 | 17 2 | 0 48 | 21 29 | 1 25 | 15 37 | 1 8 | 19 0 | 0 51 | 2 18 | 2 22 | 15 45 | 0 19 | 16 24 | 1 44 | 8 1 | 12 8 | 2 51 | 2 21 | 12 23 | 9 28 | 0 40 |
| S 7 | 21 36 | 18 41 | 2 59 | 16 28 | 0 40 | 21 38 | 1 22 | 15 49 | 1 7 | 19 2 | 0 51 | 2 16 | 2 22 | 15 45 | 0 19 | 16 24 | 1 45 | 8 1 | 12 8 | 2 54 | 2 22 | 12 27 | 9 28 | 0 40 |
| M 8 | 21 26 | 13 29 | 2 0 | 15 54 | 0 32 | 21 47 | 1 20 | 16 1 | 1 7 | 19 4 | 0 51 | 2 14 | 2 22 | 15 45 | 0 19 | 16 25 | 1 45 | 8 1 | 12 8 | 2 56 | 2 23 | 12 30 | 9 28 | 0 40 |
| T 9 | 21 16 | 7 53 | 0 56 | 15 20 | 0 23 | 21 55 | 1 17 | 16 13 | 1 6 | 19 6 | 0 52 | 2 12 | 2 21 | 15 44 | 0 19 | 16 25 | 1 45 | 8 1 | 12 8 | 2 57 | 2 25 | 12 33 | 9 28 | 0 40 |
| W10 | 21 6 | 2 6 | 0n10 | 14 46 | 0 14 | 22 2 | 1 14 | 16 25 | 1 5 | 19 8 | 0 52 | 2 10 | 2 21 | 15 44 | 0 19 | 16 25 | 1 45 | 8 1 | 12 8 | 2 57 | 2 26 | 12 36 | 9 28 | 0 40 |
| T 11 | 20 55 | 3n40 | 1 13 | 14 11 | 0 5 | 22 9 | 1 11 | 16 36 | 1 5 | 19 10 | 0 52 | 2 8 | 2 21 | 15 44 | 0 19 | 16 26 | 1 45 | 8 1 | 12 8 | 2 57 | 2 27 | 12 39 | 9 29 | 0 40 |
| F 12 | 20 44 | 9 14 | 2 13 | 13 37 | 0s 5 | 22 15 | 1 9 | 16 48 | 1 4 | 19 12 | 0 52 | 2 6 | 2 21 | 15 44 | 0 19 | 16 26 | 1 45 | 8 1 | 12 9 | 2 56 | 2 29 | 12 42 | 9 29 | 0 40 |
| S 13 | 20 32 | 14 28 | 3 7 | 13 3 | 0 15 | 22 21 | 1 6 | 16 59 | 1 4 | 19 15 | 0 52 | 2 4 | 2 21 | 15 44 | 0 19 | 16 26 | 1 45 | 8 1 | 12 9 | 2 56 | 2 30 | 12 45 | 9 29 | 0 40 |
| S 14 | 20 20 | 19 10 | 3 54 | 12 29 | 0 25 | 22 26 | 1 3 | 17 10 | 1 3 | 19 17 | 0 53 | 2 2 | 2 20 | 15 44 | 0 19 | 16 26 | 1 45 | 8 1 | 12 9 | 2 57 | 2 31 | 12 49 | 9 29 | 0 40 |
| M15 | 20 8 | 23 11 | 4 30 | 11 55 | 0 35 | 22 30 | 1 0 | 17 21 | 1 2 | 19 19 | 0 53 | 2 0 | 2 20 | 15 44 | 0 19 | 16 26 | 1 45 | 8 1 | 12 9 | 2 58 | 2 32 | 12 52 | 9 29 | 0 40 |
| T 16 | 19 56 | 26 15 | 4 55 | 11 21 | 0 46 | 22 34 | 0 57 | 17 32 | 1 1 | 19 21 | 0 53 | 1 58 | 2 20 | 15 44 | 0 19 | 16 27 | 1 45 | 8 1 | 12 9 | 3 0 | 2 34 | 12 55 | 9 29 | 0 40 |
| W17 | 19 43 | 28 7 | 5 6 | 10 49 | 0 57 | 22 37 | 0 54 | 17 43 | 1 1 | 19 23 | 0 53 | 1 56 | 2 20 | 15 44 | 0 19 | 16 27 | 1 45 | 8 1 | 12 10 | 3 2 | 2 35 | 12 58 | 9 29 | 0 40 |
| T 18 | 19 30 | 28 34 | 5 3 | 10 16 | 1 7 | 22 40 | 0 51 | 17 53 | 1 0 | 19 25 | 0 53 | 1 54 | 2 20 | 15 45 | 0 19 | 16 27 | 1 45 | 8 1 | 12 10 | 3 5 | 2 36 | 13 1 | 9 29 | 0 40 |
| F 19 | 19 16 | 27 27 | 4 44 | 9 44 | 1 19 | 22 42 | 0 48 | 18 4 | 0 59 | 19 27 | 0 53 | 1 51 | 2 20 | 15 45 | 0 19 | 16 27 | 1 45 | 8 1 | 12 10 | 3 9 | 2 37 | 13 4 | 9 29 | 0 40 |
| S 20 | 19 2 | 24 44 | 4 10 | 9 13 | 1 30 | 22 43 | 0 45 | 18 14 | 0 59 | 19 29 | 0 53 | 1 49 | 2 19 | 15 45 | 0 19 | 16 27 | 1 45 | 8 1 | 12 10 | 3 12 | 2 39 | 13 7 | 9 29 | 0 40 |
| S 21 | 18 48 | 20 34 | 3 20 | 8 43 | 1 41 | 22 43 | 0 42 | 18 24 | 0 58 | 19 32 | 0 54 | 1 47 | 2 19 | 15 45 | 0 19 | 16 28 | 1 45 | 8 1 | 12 10 | 3 14 | 2 40 | 13 10 | 9 29 | 0 40 |
| M22 | 18 34 | 15 14 | 2 17 | 8 14 | 1 53 | 22 43 | 0 39 | 18 34 | 0 57 | 19 34 | 0 54 | 1 45 | 2 19 | 15 45 | 0 19 | 16 28 | 1 45 | 8 1 | 12 11 | 3 16 | 2 41 | 13 14 | 9 29 | 0 40 |
| T 23 | 18 19 | 9 1 | 1 5 | 7 45 | 2 4 | 22 43 | 0 36 | 18 43 | 0 56 | 19 36 | 0 54 | 1 43 | 2 19 | 15 45 | 0 19 | 16 28 | 1 45 | 8 1 | 12 11 | 3 17 | 2 42 | 13 17 | 9 28 | 0 40 |
| W24 | 18 4 | 2 19 | 0s11 | 7 18 | 2 16 | 22 42 | 0 33 | 18 53 | 0 56 | 19 38 | 0 54 | 1 40 | 2 19 | 15 45 | 0 19 | 16 28 | 1 45 | 8 1 | 12 11 | 3 17 | 2 44 | 13 20 | 9 28 | 0 40 |
| T 25 | 17 48 | 4s31 | 1 27 | 6 52 | 2 27 | 22 40 | 0 30 | 19 2 | 0 55 | 19 40 | 0 54 | 1 38 | 2 19 | 15 46 | 0 19 | 16 28 | 1 45 | 8 0 | 12 11 | 3 17 | 2 45 | 13 23 | 9 28 | 0 39 |
| F 26 | 17 33 | 11 8 | 2 38 | 6 28 | 2 38 | 22 37 | 0 28 | 19 11 | 0 54 | 19 42 | 0 54 | 1 36 | 2 18 | 15 46 | 0 19 | 16 28 | 1 46 | 8 0 | 12 11 | 3 17 | 2 46 | 13 26 | 9 28 | 0 39 |
| S 27 | 17 17 | 17 10 | 3 39 | 6 5 | 2 50 | 22 34 | 0 25 | 19 20 | 0 53 | 19 44 | 0 54 | 1 33 | 2 18 | 15 46 | 0 19 | 16 29 | 1 46 | 8 0 | 12 12 | 3 16 | 2 47 | 13 29 | 9 28 | 0 39 |
| S 28 | 17 1 | 22 14 | 4 26 | 5 44 | 3 1 | 22 30 | 0 22 | 19 29 | 0 52 | 19 46 | 0 54 | 1 31 | 2 18 | 15 46 | 0 19 | 16 29 | 1 46 | 8 0 | 12 12 | 3 16 | 2 49 | 13 32 | 9 27 | 0 39 |
| M29 | 16 44 | 26 0 | 4 57 | 5 24 | 3 12 | 22 25 | 0 19 | 19 38 | 0 52 | 19 48 | 0 54 | 1 29 | 2 18 | 15 46 | 0 19 | 16 29 | 1 46 | 8 0 | 12 12 | 3 17 | 2 50 | 13 35 | 9 27 | 0 39 |
| T 30 | 16 27 | 28 11 | 5 10 | 5 6 | 3 22 | 22 20 | 0 16 | 19 46 | 0 51 | 19 50 | 0 55 | 1 26 | 2 18 | 15 47 | 0 19 | 16 29 | 1 46 | 8 0 | 12 12 | 3 18 | 2 51 | 13 38 | 9 27 | 0 39 |
| W31 | 16n10 | 28s35 | 5s 5 | 4n51 | 3s33 | 22n14 | 0s13 | 19n55 | 0s50 | 19s52 | 0s55 | 1n24 | 2n18 | 15s47 | 0n19 | 16n29 | 1s46 | 8n 0 | 12s12 | 3s20 | 2s52 | 13n41 | 9n27 | 0n39 |

Julian Day Number = 2229667.5, Delta T = 08m05s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°15'58, Lahiri = 15°22'58 Julian Calendar 1 July 1392 == Greg. Calendar 9 July 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## AUGUST 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 12 15 | 16♌42'03 | 15♉57 | 9♍24 | 18♋ 5 | 3♊ 6 | 5°R16 | 1♎53 | 13♏58 | 21♉27 | 28♉38 | 21°R32 | 22♓44 | 28♈23 | 22°R38 | T 1 |
| F 2 | 21 16 11 | 17°39'46 | 29°18 | 9°R30 | 19°17 | 3°44 | 5♒ 9 | 1°59 | 13°59 | 21°28 | 28°38 | 21♓26 | 22°41 | 28°30 | 22♈37 | F 2 |
| S 3 | 21 20 8 | 18°37'31 | 12♒26 | 9°30 | 20°29 | 4°21 | 5° 2 | 2° 4 | 14° 0 | 21°28 | 28°39 | 21°21 | 22°37 | 28°37 | 22°36 | S 3 |
| S 4 | 21 24 4 | 19°35'18 | 25°17 | 9°24 | 21°42 | 4°59 | 4°54 | 2°10 | 14° 1 | 21°29 | 28°39 | 21°18 | 22°34 | 28°43 | 22°35 | S 4 |
| M 5 | 21 28 1 | 20°33'05 | 7♓53 | 9°12 | 22°54 | 5°36 | 4°47 | 2°16 | 14° 2 | 21°29 | 28°39 | 21°15 | 22°31 | 28°50 | 22°34 | M 5 |
| T 6 | 21 31 58 | 21°30'55 | 20°14 | 8°55 | 24° 7 | 6°13 | 4°40 | 2°23 | 14° 3 | 21°29 | 28°40 | 21°D14 | 22°28 | 28°57 | 22°33 | T 6 |
| W 7 | 21 35 54 | 22°28'45 | 2♈22 | 8°32 | 25°19 | 6°50 | 4°33 | 2°29 | 14° 4 | 21°30 | 28°40 | 21°15 | 22°25 | 29° 3 | 22°32 | W 7 |
| T 8 | 21 39 51 | 23°26'38 | 14°20 | 8° 3 | 26°32 | 7°26 | 4°26 | 2°35 | 14° 6 | 21°30 | 28°40 | 21°16 | 22°21 | 29°10 | 22°31 | T 8 |
| F 9 | 21 43 47 | 24°24'32 | 26°12 | 7°28 | 27°45 | 8° 3 | 4°19 | 2°41 | 14° 7 | 21°30 | 28°40 | 21°18 | 22°18 | 29°17 | 22°30 | F 9 |
| S 10 | 21 47 44 | 25°22'29 | 8♉ 1 | 6°48 | 28°58 | 8°39 | 4°12 | 2°47 | 14° 8 | 21°30 | 28°41 | 21°20 | 22°15 | 29°23 | 22°29 | S 10 |
| S 11 | 21 51 40 | 26°20'27 | 19°54 | 6° 3 | 0♌10 | 9°16 | 4° 5 | 2°54 | 14°10 | 21°31 | 28°41 | 21°21 | 22°12 | 29°30 | 22°28 | S 11 |
| M12 | 21 55 37 | 27°18'27 | 1♊53 | 5°14 | 1°23 | 9°52 | 3°59 | 3° 0 | 14°11 | 21°31 | 28°41 | 21°R21 | 22° 9 | 29°37 | 22°26 | M12 |
| T 13 | 21 59 33 | 28°16'29 | 14° 5 | 4°21 | 2°36 | 10°27 | 3°52 | 3° 7 | 14°13 | 21°31 | 28°41 | 21°20 | 22° 6 | 29°43 | 22°25 | T 13 |
| W14 | 22 3 30 | 29°14'33 | 26°34 | 3°26 | 3°49 | 11° 3 | 3°46 | 3°13 | 14°14 | 21°31 | 28°41 | 21°18 | 22° 2 | 29°50 | 22°24 | W14 |
| T 15 | 22 7 26 | 0♍12'39 | 9♋22 | 2°29 | 5° 3 | 11°39 | 3°39 | 3°20 | 14°16 | 21°31 | 28°41 | 21°15 | 21°59 | 29°57 | 22°22 | T 15 |
| F 16 | 22 11 23 | 1°10'46 | 22°34 | 1°32 | 6°16 | 12°14 | 3°33 | 3°26 | 14°17 | 21°R31 | 28°42 | 21°12 | 21°56 | 0♉ 3 | 22°21 | F 16 |
| S 17 | 22 15 20 | 2° 8'56 | 6♌ 8 | 0°35 | 7°29 | 12°49 | 3°27 | 3°33 | 14°19 | 21°31 | 28°42 | 21°10 | 21°53 | 0°10 | 22°19 | S 17 |
| S 18 | 22 19 16 | 3° 7'08 | 20° 5 | 29♌40 | 8°42 | 13°24 | 3°21 | 3°39 | 14°21 | 21°31 | 28°42 | 21° 7 | 21°50 | 0°17 | 22°17 | S 18 |
| M19 | 22 23 13 | 4° 5'21 | 4♍21 | 28°49 | 9°55 | 13°59 | 3°16 | 3°46 | 14°23 | 21°31 | 28°42 | 21° 6 | 21°47 | 0°23 | 22°16 | M19 |
| T 20 | 22 27 9 | 5° 3'36 | 18°51 | 28° 2 | 11° 9 | 14°34 | 3°10 | 3°53 | 14°24 | 21°31 | 28°R42 | 21°D 5 | 21°43 | 0°30 | 22°14 | T 20 |
| W21 | 22 31 6 | 6° 1'52 | 3♎29 | 27°21 | 12°22 | 15° 8 | 3° 5 | 3°59 | 14°26 | 21°31 | 28°42 | 21° 6 | 21°40 | 0°37 | 22°12 | W21 |
| T 22 | 22 35 2 | 7° 0'11 | 18° 9 | 26°46 | 13°36 | 15°42 | 2°59 | 4° 6 | 14°28 | 21°31 | 28°42 | 21° 6 | 21°37 | 0°43 | 22°11 | T 22 |
| F 23 | 22 38 59 | 7°58'31 | 2♏46 | 26°19 | 14°49 | 16°16 | 2°54 | 4°13 | 14°30 | 21°30 | 28°42 | 21° 7 | 21°34 | 0°50 | 22° 9 | F 23 |
| S 24 | 22 42 55 | 8°56'52 | 17°13 | 26° 0 | 16° 3 | 16°50 | 2°49 | 4°20 | 14°32 | 21°30 | 28°42 | 21° 8 | 21°31 | 0°57 | 22° 7 | S 24 |
| S 25 | 22 46 52 | 9°55'15 | 1♐28 | 25°50 | 17°16 | 17°23 | 2°44 | 4°27 | 14°34 | 21°30 | 28°42 | 21° 9 | 21°27 | 1° 3 | 22° 5 | S 25 |
| M26 | 22 50 49 | 10°53'40 | 15°28 | 25°D49 | 18°30 | 17°57 | 2°40 | 4°34 | 14°36 | 21°30 | 28°41 | 21°R 9 | 21°24 | 1°10 | 22° 3 | M26 |
| T 27 | 22 54 45 | 11°52'07 | 29°12 | 25°57 | 19°44 | 18°30 | 2°35 | 4°40 | 14°38 | 21°29 | 28°41 | 21° 9 | 21°21 | 1°17 | 22° 1 | T 27 |
| W28 | 22 58 42 | 12°50'35 | 12♑41 | 26°14 | 20°57 | 19° 3 | 2°31 | 4°47 | 14°41 | 21°29 | 28°41 | 21° 8 | 21°18 | 1°23 | 21°59 | W28 |
| T 29 | 23 2 38 | 13°49'04 | 25°54 | 26°41 | 22°11 | 19°35 | 2°27 | 4°54 | 14°43 | 21°29 | 28°41 | 21° 7 | 21°15 | 1°30 | 21°57 | T 29 |
| F 30 | 23 6 35 | 14°47'36 | 8♒53 | 27°17 | 23°25 | 20° 8 | 2°23 | 5° 1 | 14°45 | 21°28 | 28°41 | 21° 6 | 21°12 | 1°37 | 21°55 | F 30 |
| S 31 | 23 10 31 | 15♍46'09 | 21♒37 | 28♌ 1 | 24♌39 | 20♊40 | 2♒19 | 5♎ 8 | 14♏47 | 21♉28 | 28♉41 | 21♓ 5 | 21♓ 8 | 1♉43 | 21♈52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15n53 | 27s15 | 4s43 | 4n38 | 3s43 | 22n 8 | 0s10 | 20n 3 | 0s49 | 19s54 | 0s55 | 1n21 | 2n18 | 15s47 | 0n19 | 16n29 | 1s46 | 8n 0 | 12s13 | 3s22 | 2s54 | 13n44 | 9n26 | 0n39 |
| F 2 | 15 35 | 24 22 | 4 6 | 4 27 | 3 52 | 22 1 | 0 7 | 20 11 | 0 48 | 19 56 | 0 55 | 1 19 | 2 17 | 15 48 | 0 19 | 16 29 | 1 46 | 8 0 | 12 13 | 3 24 | 2 55 | 13 48 | 9 26 | 0 39 |
| S 3 | 15 18 | 20 16 | 3 16 | 4 19 | 4 1 | 21 53 | 0 4 | 20 19 | 0 47 | 19 58 | 0 55 | 1 16 | 2 17 | 15 48 | 0 19 | 16 29 | 1 46 | 7 59 | 12 13 | 3 26 | 2 56 | 13 51 | 9 26 | 0 39 |
| S 4 | 15 0 | 15 17 | 2 17 | 4 14 | 4 9 | 21 45 | 0 1 | 20 26 | 0 46 | 20 0 | 0 55 | 1 14 | 2 17 | 15 48 | 0 19 | 16 29 | 1 46 | 7 59 | 12 13 | 3 28 | 2 57 | 13 54 | 9 25 | 0 39 |
| M 5 | 14 41 | 9 46 | 1 13 | 4 12 | 4 16 | 21 36 | 0n 2 | 20 34 | 0 45 | 20 1 | 0 55 | 1 11 | 2 17 | 15 49 | 0 19 | 16 29 | 1 46 | 7 59 | 12 14 | 3 29 | 2 59 | 13 57 | 9 25 | 0 39 |
| T 6 | 14 23 | 3 58 | 0 6 | 4 13 | 4 22 | 21 26 | 0 5 | 20 41 | 0 44 | 20 3 | 0 55 | 1 9 | 2 17 | 15 49 | 0 19 | 16 29 | 1 46 | 7 59 | 12 14 | 3 29 | 3 0 | 14 0 | 9 24 | 0 39 |
| W 7 | 14 4 | 1n52 | 1n 1 | 4 17 | 4 27 | 21 16 | 0 7 | 20 49 | 0 44 | 20 5 | 0 55 | 1 6 | 2 17 | 15 49 | 0 19 | 16 29 | 1 46 | 7 59 | 12 14 | 3 29 | 3 1 | 14 3 | 9 24 | 0 39 |
| T 8 | 13 45 | 7 34 | 2 3 | 4 24 | 4 30 | 21 5 | 0 10 | 20 56 | 0 43 | 20 7 | 0 55 | 1 4 | 2 17 | 15 50 | 0 19 | 16 29 | 1 46 | 7 59 | 12 14 | 3 28 | 3 3 | 14 6 | 9 24 | 0 39 |
| F 9 | 13 26 | 12 57 | 3 0 | 4 35 | 4 33 | 20 54 | 0 13 | 21 2 | 0 42 | 20 8 | 0 55 | 1 1 | 2 17 | 15 50 | 0 19 | 16 29 | 1 46 | 7 59 | 12 14 | 3 28 | 3 4 | 14 9 | 9 23 | 0 39 |
| S 10 | 13 6 | 17 51 | 3 49 | 4 49 | 4 33 | 20 42 | 0 16 | 21 9 | 0 41 | 20 10 | 0 55 | 0 58 | 2 17 | 15 50 | 0 19 | 16 29 | 1 46 | 7 58 | 12 15 | 3 27 | 3 5 | 14 12 | 9 23 | 0 39 |
| S 11 | 12 47 | 22 5 | 4 29 | 5 6 | 4 32 | 20 29 | 0 19 | 21 16 | 0 40 | 20 12 | 0 55 | 0 56 | 2 16 | 15 51 | 0 18 | 16 29 | 1 46 | 7 58 | 12 15 | 3 27 | 3 6 | 14 15 | 9 22 | 0 39 |
| M12 | 12 27 | 25 27 | 4 57 | 5 27 | 4 29 | 20 16 | 0 21 | 21 22 | 0 39 | 20 13 | 0 55 | 0 53 | 2 16 | 15 51 | 0 18 | 16 29 | 1 46 | 7 58 | 12 15 | 3 27 | 3 8 | 14 18 | 9 22 | 0 39 |
| T 13 | 12 7 | 27 44 | 5 12 | 5 50 | 4 24 | 20 2 | 0 24 | 21 28 | 0 38 | 20 15 | 0 55 | 0 50 | 2 16 | 15 52 | 0 18 | 16 29 | 1 47 | 7 58 | 12 15 | 3 27 | 3 9 | 14 21 | 9 21 | 0 39 |
| W14 | 11 47 | 28 42 | 5 14 | 6 17 | 4 18 | 19 47 | 0 26 | 21 34 | 0 37 | 20 17 | 0 55 | 0 48 | 2 16 | 15 52 | 0 18 | 16 29 | 1 47 | 7 58 | 12 16 | 3 28 | 3 10 | 14 24 | 9 20 | 0 39 |
| T 15 | 11 26 | 28 10 | 4 59 | 6 45 | 4 9 | 19 32 | 0 29 | 21 40 | 0 36 | 20 18 | 0 55 | 0 45 | 2 16 | 15 53 | 0 18 | 16 29 | 1 47 | 7 57 | 12 16 | 3 29 | 3 11 | 14 27 | 9 20 | 0 39 |
| F 16 | 11 6 | 26 3 | 4 29 | 7 15 | 3 58 | 19 17 | 0 32 | 21 46 | 0 35 | 20 19 | 0 56 | 0 42 | 2 16 | 15 53 | 0 18 | 16 29 | 1 47 | 7 57 | 12 16 | 3 30 | 3 13 | 14 30 | 9 19 | 0 38 |
| S 17 | 10 45 | 22 24 | 3 43 | 7 47 | 3 46 | 19 1 | 0 34 | 21 51 | 0 34 | 20 21 | 0 56 | 0 40 | 2 16 | 15 54 | 0 18 | 16 29 | 1 47 | 7 57 | 12 16 | 3 31 | 3 14 | 14 33 | 9 19 | 0 38 |
| S 18 | 10 24 | 17 25 | 2 43 | 8 19 | 3 32 | 18 44 | 0 37 | 21 57 | 0 32 | 20 22 | 0 56 | 0 37 | 2 16 | 15 54 | 0 18 | 16 29 | 1 47 | 7 57 | 12 16 | 3 32 | 3 15 | 14 36 | 9 18 | 0 38 |
| M19 | 10 3 | 11 22 | 1 31 | 8 51 | 3 16 | 18 27 | 0 39 | 22 2 | 0 31 | 20 24 | 0 56 | 0 34 | 2 16 | 15 55 | 0 18 | 16 29 | 1 47 | 7 57 | 12 17 | 3 32 | 3 16 | 14 39 | 9 17 | 0 38 |
| T 20 | 9 41 | 4 37 | 0 12 | 9 23 | 3 0 | 18 9 | 0 41 | 22 7 | 0 30 | 20 25 | 0 56 | 0 32 | 2 16 | 15 56 | 0 18 | 16 29 | 1 47 | 7 56 | 12 17 | 3 33 | 3 18 | 14 42 | 9 17 | 0 38 |
| W21 | 9 20 | 2s26 | 1s 8 | 9 54 | 2 42 | 17 51 | 0 44 | 22 12 | 0 29 | 20 26 | 0 56 | 0 29 | 2 15 | 15 56 | 0 18 | 16 29 | 1 47 | 7 56 | 12 17 | 3 33 | 3 19 | 14 45 | 9 16 | 0 38 |
| T 22 | 8 58 | 9 22 | 2 24 | 10 23 | 2 23 | 17 32 | 0 46 | 22 17 | 0 28 | 20 28 | 0 56 | 0 26 | 2 15 | 15 57 | 0 18 | 16 29 | 1 47 | 7 56 | 12 17 | 3 32 | 3 20 | 14 48 | 9 15 | 0 38 |
| F 23 | 8 36 | 15 46 | 3 31 | 10 50 | 2 4 | 17 13 | 0 48 | 22 22 | 0 27 | 20 29 | 0 56 | 0 23 | 2 15 | 15 57 | 0 18 | 16 29 | 1 47 | 7 56 | 12 18 | 3 32 | 3 21 | 14 51 | 9 14 | 0 38 |
| S 24 | 8 15 | 21 14 | 4 23 | 11 15 | 1 45 | 16 53 | 0 50 | 22 26 | 0 26 | 20 30 | 0 56 | 0 20 | 2 15 | 15 58 | 0 18 | 16 29 | 1 47 | 7 55 | 12 18 | 3 31 | 3 23 | 14 54 | 9 14 | 0 38 |
| S 25 | 7 52 | 25 23 | 4 58 | 11 37 | 1 25 | 16 33 | 0 52 | 22 31 | 0 25 | 20 31 | 0 56 | 0 18 | 2 15 | 15 59 | 0 18 | 16 28 | 1 47 | 7 55 | 12 18 | 3 31 | 3 24 | 14 57 | 9 13 | 0 38 |
| M26 | 7 30 | 27 57 | 5 15 | 11 55 | 1 6 | 16 12 | 0 55 | 22 35 | 0 23 | 20 32 | 0 56 | 0 15 | 2 15 | 15 59 | 0 18 | 16 28 | 1 47 | 7 55 | 12 18 | 3 31 | 3 25 | 15 0 | 9 12 | 0 38 |
| T 27 | 7 8 | 28 45 | 5 14 | 12 10 | 0 48 | 15 51 | 0 57 | 22 39 | 0 22 | 20 33 | 0 56 | 0 12 | 2 15 | 16 0 | 0 18 | 16 28 | 1 47 | 7 55 | 12 18 | 3 31 | 3 26 | 15 3 | 9 11 | 0 38 |
| W28 | 6 46 | 27 48 | 4 55 | 12 21 | 0 30 | 15 29 | 0 59 | 22 43 | 0 21 | 20 34 | 0 56 | 0 9 | 2 15 | 16 0 | 0 18 | 16 28 | 1 47 | 7 55 | 12 19 | 3 32 | 3 28 | 15 6 | 9 10 | 0 38 |
| T 29 | 6 23 | 25 18 | 4 20 | 12 28 | 0 13 | 15 7 | 1 0 | 22 47 | 0 20 | 20 35 | 0 56 | 0 6 | 2 15 | 16 1 | 0 18 | 16 28 | 1 47 | 7 54 | 12 19 | 3 32 | 3 29 | 15 9 | 9 10 | 0 38 |
| F 30 | 6 1 | 21 32 | 3 33 | 12 31 | 0n 4 | 14 44 | 1 2 | 22 51 | 0 19 | 20 36 | 0 56 | 0 4 | 2 15 | 16 2 | 0 18 | 16 28 | 1 48 | 7 54 | 12 19 | 3 32 | 3 30 | 15 12 | 9 9 | 0 38 |
| S 31 | 5n38 | 16s48 | 2s36 | 12n30 | 0n19 | 14n21 | 1n 4 | 22n54 | 0s17 | 20s37 | 0s56 | 0n 1 | 2n15 | 16s 3 | 0n18 | 16n28 | 1s48 | 7n54 | 12s19 | 3s33 | 3s31 | 15n15 | 9n 8 | 0n38 |

Julian Day Number = 2229698.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'02, Lahiri = 15°23'02 Julian Calendar 1 Aug. 1392 == Greg. Calendar 9 Aug. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## SEPTEMBER 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 14 28 | 16♍44'44 | 4♓ 9 | 28♌53 | 25♌53 | 21♊12 | 2°R16 | 5♎16 | 14♏50 | 21°R27 | 28°R40 | 21°R 5 | 21♓ 5 | 1♉50 | 21°R50 | S 1 |
| M 2 | 23 18 24 | 17°43'20 | 16°29 | 29°53 | 27° 7 | 21°44 | 2♒12 | 5°23 | 14°52 | 21♉27 | 28♉40 | 21°D 5 | 21° 2 | 1°57 | 21♈48 | M 2 |
| T 3 | 23 22 21 | 18°41'59 | 28°39 | 1♍ 0 | 28°21 | 22°15 | 2° 9 | 5°30 | 14°55 | 21°26 | 28°40 | 21♓ 5 | 20°59 | 2° 3 | 21°46 | T 3 |
| W 4 | 23 26 18 | 19°40'40 | 10♈40 | 2°14 | 29°35 | 22°47 | 2° 6 | 5°37 | 14°57 | 21°25 | 28°39 | 21° 5 | 20°56 | 2°10 | 21°43 | W 4 |
| T 5 | 23 30 14 | 20°39'22 | 22°34 | 3°33 | 0♍49 | 23°18 | 2° 3 | 5°44 | 15° 0 | 21°25 | 28°39 | 21°R 5 | 20°53 | 2°17 | 21°41 | T 5 |
| F 6 | 23 34 11 | 21°38'07 | 4♉25 | 4°57 | 2° 3 | 23°48 | 2° 0 | 5°51 | 15° 2 | 21°24 | 28°39 | 21° 5 | 20°49 | 2°23 | 21°39 | F 6 |
| S 7 | 23 38 7 | 22°36'54 | 16°14 | 6°27 | 3°17 | 24°19 | 1°58 | 5°58 | 15° 5 | 21°24 | 28°38 | 21° 5 | 20°46 | 2°30 | 21°36 | S 7 |
| S 8 | 23 42 4 | 23°35'44 | 28° 6 | 7°59 | 4°31 | 24°49 | 1°56 | 6° 5 | 15° 7 | 21°23 | 28°38 | 21° 5 | 20°43 | 2°37 | 21°34 | S 8 |
| M 9 | 23 46 0 | 24°34'36 | 10♊ 5 | 9°36 | 5°46 | 25°19 | 1°53 | 6°13 | 15°10 | 21°22 | 28°38 | 21° 4 | 20°40 | 2°44 | 21°31 | M 9 |
| T 10 | 23 49 57 | 25°33'30 | 22°14 | 11°15 | 7° 0 | 25°49 | 1°52 | 6°20 | 15°13 | 21°21 | 28°37 | 21°D 4 | 20°37 | 2°50 | 21°29 | T 10 |
| W11 | 23 53 53 | 26°32'26 | 4♋40 | 12°56 | 8°14 | 26°18 | 1°50 | 6°27 | 15°15 | 21°21 | 28°37 | 21° 4 | 20°33 | 2°57 | 21°26 | W11 |
| T 12 | 23 57 50 | 27°31'25 | 17°25 | 14°39 | 9°29 | 26°47 | 1°48 | 6°34 | 15°18 | 21°20 | 28°36 | 21° 5 | 20°30 | 3° 4 | 21°24 | T 12 |
| F 13 | 0 1 47 | 28°30'26 | 0♌33 | 16°24 | 10°43 | 27°16 | 1°47 | 6°42 | 15°21 | 21°19 | 28°36 | 21° 5 | 20°27 | 3°10 | 21°21 | F 13 |
| S 14 | 0 5 43 | 29°29'29 | 14° 7 | 18°10 | 11°58 | 27°45 | 1°46 | 6°49 | 15°24 | 21°18 | 28°35 | 21° 6 | 20°24 | 3°17 | 21°18 | S 14 |
| S 15 | 0 9 40 | 0♎28'34 | 28° 7 | 19°56 | 13°12 | 28°13 | 1°45 | 6°56 | 15°27 | 21°17 | 28°35 | 21° 7 | 20°21 | 3°24 | 21°16 | S 15 |
| M16 | 0 13 36 | 1°27'42 | 12♍32 | 21°43 | 14°27 | 28°41 | 1°44 | 7° 4 | 15°30 | 21°16 | 28°34 | 21° 7 | 20°18 | 3°30 | 21°13 | M16 |
| T 17 | 0 17 33 | 2°26'52 | 27°17 | 23°30 | 15°41 | 29° 8 | 1°44 | 7°11 | 15°32 | 21°15 | 28°34 | 21°R 7 | 20°14 | 3°37 | 21°10 | T 17 |
| W18 | 0 21 29 | 3°26'04 | 12♎16 | 25°18 | 16°56 | 29°36 | 1°43 | 7°18 | 15°35 | 21°14 | 28°33 | 21° 7 | 20°11 | 3°44 | 21° 8 | W18 |
| T 19 | 0 25 26 | 4°25'18 | 27°20 | 27° 5 | 18°11 | 0♋ 3 | 1°D43 | 7°25 | 15°38 | 21°13 | 28°33 | 21° 5 | 20° 8 | 3°50 | 21° 5 | T 19 |
| F 20 | 0 29 22 | 5°24'34 | 12♏21 | 28°52 | 19°25 | 0°29 | 1°43 | 7°33 | 15°41 | 21°12 | 28°32 | 21° 4 | 20° 5 | 3°57 | 21° 2 | F 20 |
| S 21 | 0 33 19 | 6°23'52 | 27° 9 | 0♎38 | 20°40 | 0°55 | 1°44 | 7°40 | 15°45 | 21°11 | 28°31 | 21° 2 | 20° 2 | 4° 4 | 20°59 | S 21 |
| S 22 | 0 37 16 | 7°23'11 | 11♐39 | 2°24 | 21°55 | 1°21 | 1°44 | 7°47 | 15°48 | 21°10 | 28°31 | 21° 0 | 19°58 | 4°10 | 20°56 | S 22 |
| M23 | 0 41 12 | 8°22'33 | 25°47 | 4°10 | 23° 9 | 1°47 | 1°45 | 7°55 | 15°51 | 21° 9 | 28°30 | 20°59 | 19°55 | 4°17 | 20°54 | M23 |
| T 24 | 0 45 9 | 9°21'56 | 9♑32 | 5°55 | 24°24 | 2°12 | 1°46 | 8° 2 | 15°54 | 21° 8 | 28°29 | 20°D59 | 19°52 | 4°24 | 20°51 | T 24 |
| W25 | 0 49 5 | 10°21'21 | 22°53 | 7°40 | 25°39 | 2°37 | 1°47 | 8° 9 | 15°57 | 21° 6 | 28°29 | 20°59 | 19°49 | 4°30 | 20°48 | W25 |
| T 26 | 0 53 2 | 11°20'48 | 5♒54 | 9°24 | 26°54 | 3° 1 | 1°48 | 8°17 | 16° 0 | 21° 5 | 28°28 | 21° 0 | 19°46 | 4°37 | 20°45 | T 26 |
| F 27 | 0 56 58 | 12°20'17 | 18°37 | 11° 7 | 28° 9 | 3°25 | 1°49 | 8°24 | 16° 4 | 21° 4 | 28°27 | 21° 2 | 19°43 | 4°44 | 20°42 | F 27 |
| S 28 | 1 0 55 | 13°19'47 | 1♓ 4 | 12°49 | 29°24 | 3°49 | 1°51 | 8°31 | 16° 7 | 21° 3 | 28°27 | 21° 3 | 19°39 | 4°50 | 20°39 | S 28 |
| S 29 | 1 4 51 | 14°19'19 | 13°20 | 14°31 | 0♎39 | 4°12 | 1°53 | 8°39 | 16°10 | 21° 1 | 28°26 | 21° 4 | 19°36 | 4°57 | 20°36 | S 29 |
| M30 | 1 8 48 | 15♎18'53 | 25♓26 | 16♎13 | 1♎54 | 4♋35 | 1♒55 | 8♎46 | 16♏13 | 21♉ 0 | 28♉25 | 21°R 4 | 19♓33 | 5♉ 4 | 20♈34 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n15 | 11s27 | 1s33 | 12n25 | 0n33 | 13n58 | 1n 6 | 22n58 | 0s16 | 20s37 | 0s55 | 0s 2 | 2n15 | 16s 3 | 0n18 | 16n27 | 1s48 | 7n54 | 12s20 | 3s33 | 3s33 | 15n18 | 9n 7 | 0n38 |
| M 2 | 4 52 | 5 44 | 0 25 | 12 16 | 0 46 | 13 34 | 1 8 | 23 1 | 0 15 | 20 38 | 0 55 | 0 5 | 2 15 | 16 4 | 0 18 | 16 27 | 1 48 | 7 53 | 12 20 | 3 33 | 3 34 | 15 21 | 9 6 | 0 37 |
| T 3 | 4 29 | 0n 6 | 0n42 | 12 4 | 0 58 | 13 10 | 1 9 | 23 4 | 0 14 | 20 39 | 0 55 | 0 8 | 2 15 | 16 5 | 0 18 | 16 27 | 1 48 | 7 53 | 12 20 | 3 33 | 3 35 | 15 24 | 9 5 | 0 37 |
| W 4 | 4 6 | 5 52 | 1 47 | 11 47 | 1 9 | 12 46 | 1 11 | 23 7 | 0 12 | 20 40 | 0 55 | 0 11 | 2 15 | 16 5 | 0 18 | 16 27 | 1 48 | 7 53 | 12 20 | 3 33 | 3 36 | 15 27 | 9 4 | 0 37 |
| T 5 | 3 43 | 11 23 | 2 46 | 11 27 | 1 18 | 12 21 | 1 12 | 23 10 | 0 11 | 20 40 | 0 55 | 0 14 | 2 15 | 16 6 | 0 18 | 16 27 | 1 48 | 7 52 | 12 20 | 3 33 | 3 38 | 15 30 | 9 3 | 0 37 |
| F 6 | 3 20 | 16 27 | 3 38 | 11 4 | 1 26 | 11 56 | 1 14 | 23 13 | 0 10 | 20 41 | 0 55 | 0 16 | 2 15 | 16 7 | 0 18 | 16 26 | 1 48 | 7 52 | 12 21 | 3 33 | 3 39 | 15 33 | 9 2 | 0 37 |
| S 7 | 2 56 | 20 54 | 4 21 | 10 37 | 1 33 | 11 30 | 1 15 | 23 16 | 0 8 | 20 41 | 0 55 | 0 19 | 2 15 | 16 8 | 0 18 | 16 26 | 1 48 | 7 52 | 12 21 | 3 33 | 3 40 | 15 36 | 9 1 | 0 37 |
| S 8 | 2 33 | 24 33 | 4 52 | 10 8 | 1 39 | 11 4 | 1 16 | 23 18 | 0 7 | 20 42 | 0 55 | 0 22 | 2 14 | 16 9 | 0 18 | 16 26 | 1 48 | 7 52 | 12 21 | 3 33 | 3 41 | 15 39 | 9 0 | 0 37 |
| M 9 | 2 10 | 27 10 | 5 11 | 9 36 | 1 44 | 10 38 | 1 18 | 23 21 | 0 5 | 20 42 | 0 55 | 0 25 | 2 14 | 16 9 | 0 18 | 16 26 | 1 48 | 7 51 | 12 21 | 3 33 | 3 43 | 15 42 | 8 59 | 0 37 |
| T 10 | 1 46 | 28 34 | 5 17 | 9 2 | 1 48 | 10 11 | 1 19 | 23 23 | 0 4 | 20 43 | 0 55 | 0 28 | 2 14 | 16 10 | 0 18 | 16 25 | 1 48 | 7 51 | 12 21 | 3 33 | 3 44 | 15 45 | 8 58 | 0 37 |
| W11 | 1 23 | 28 35 | 5 8 | 8 25 | 1 50 | 9 45 | 1 20 | 23 26 | 0 3 | 20 43 | 0 55 | 0 31 | 2 14 | 16 11 | 0 18 | 16 25 | 1 48 | 7 51 | 12 22 | 3 33 | 3 45 | 15 48 | 8 57 | 0 37 |
| T 12 | 0 59 | 27 5 | 4 44 | 7 47 | 1 52 | 9 18 | 1 21 | 23 28 | 0 1 | 20 43 | 0 55 | 0 34 | 2 14 | 16 12 | 0 18 | 16 25 | 1 48 | 7 50 | 12 22 | 3 33 | 3 46 | 15 51 | 8 56 | 0 37 |
| F 13 | 0 36 | 24 5 | 4 5 | 7 7 | 1 53 | 8 50 | 1 22 | 23 30 | 0n 0 | 20 43 | 0 55 | 0 37 | 2 14 | 16 13 | 0 18 | 16 25 | 1 48 | 7 50 | 12 22 | 3 33 | 3 48 | 15 54 | 8 55 | 0 37 |
| S 14 | 0 12 | 19 42 | 3 11 | 6 26 | 1 53 | 8 23 | 1 23 | 23 32 | 0 2 | 20 44 | 0 55 | 0 40 | 2 14 | 16 13 | 0 18 | 16 24 | 1 48 | 7 50 | 12 22 | 3 32 | 3 49 | 15 57 | 8 54 | 0 37 |
| S 15 | 0s11 | 14 7 | 2 4 | 5 44 | 1 53 | 7 55 | 1 24 | 23 34 | 0 3 | 20 44 | 0 55 | 0 42 | 2 14 | 16 14 | 0 18 | 16 24 | 1 48 | 7 50 | 12 22 | 3 32 | 3 50 | 15 59 | 8 53 | 0 37 |
| M16 | 0 35 | 7 37 | 0 47 | 5 0 | 1 52 | 7 27 | 1 25 | 23 36 | 0 5 | 20 44 | 0 55 | 0 45 | 2 14 | 16 15 | 0 18 | 16 24 | 1 48 | 7 49 | 12 23 | 3 32 | 3 52 | 16 2 | 8 52 | 0 37 |
| T 17 | 0 59 | 0 34 | 0s34 | 4 16 | 1 50 | 6 58 | 1 25 | 23 37 | 0 6 | 20 44 | 0 55 | 0 48 | 2 14 | 16 16 | 0 18 | 16 23 | 1 48 | 7 49 | 12 23 | 3 32 | 3 53 | 16 5 | 8 51 | 0 36 |
| W18 | 1 22 | 6s37 | 1 54 | 3 31 | 1 47 | 6 30 | 1 26 | 23 39 | 0 8 | 20 44 | 0 55 | 0 51 | 2 14 | 16 17 | 0 18 | 16 23 | 1 48 | 7 49 | 12 23 | 3 32 | 3 54 | 16 8 | 8 50 | 0 36 |
| T 19 | 1 46 | 13 28 | 3 7 | 2 46 | 1 44 | 6 1 | 1 27 | 23 41 | 0 9 | 20 44 | 0 55 | 0 54 | 2 14 | 16 18 | 0 18 | 16 23 | 1 48 | 7 48 | 12 23 | 3 33 | 3 55 | 16 11 | 8 49 | 0 36 |
| F 20 | 2 9 | 19 30 | 4 7 | 2 0 | 1 41 | 5 32 | 1 27 | 23 42 | 0 11 | 20 44 | 0 55 | 0 57 | 2 14 | 16 19 | 0 18 | 16 23 | 1 49 | 7 48 | 12 23 | 3 33 | 3 57 | 16 14 | 8 48 | 0 36 |
| S 21 | 2 33 | 24 16 | 4 49 | 1 14 | 1 37 | 5 3 | 1 28 | 23 44 | 0 13 | 20 44 | 0 55 | 1 0 | 2 14 | 16 20 | 0 18 | 16 22 | 1 49 | 7 48 | 12 24 | 3 34 | 3 58 | 16 17 | 8 47 | 0 36 |
| S 22 | 2 56 | 27 24 | 5 12 | 0 28 | 1 33 | 4 34 | 1 28 | 23 45 | 0 14 | 20 44 | 0 54 | 1 3 | 2 14 | 16 21 | 0 18 | 16 22 | 1 49 | 7 48 | 12 24 | 3 35 | 3 59 | 16 20 | 8 45 | 0 36 |
| M23 | 3 20 | 28 42 | 5 15 | 0s19 | 1 28 | 4 5 | 1 28 | 23 46 | 0 16 | 20 43 | 0 54 | 1 5 | 2 14 | 16 21 | 0 18 | 16 22 | 1 49 | 7 47 | 12 24 | 3 35 | 4 0 | 16 23 | 8 44 | 0 36 |
| T 24 | 3 43 | 28 9 | 5 0 | 1 5 | 1 23 | 3 35 | 1 29 | 23 48 | 0 18 | 20 43 | 0 54 | 1 8 | 2 14 | 16 22 | 0 18 | 16 21 | 1 49 | 7 47 | 12 24 | 3 35 | 4 2 | 16 26 | 8 43 | 0 36 |
| W25 | 4 7 | 25 59 | 4 28 | 1 51 | 1 18 | 3 5 | 1 29 | 23 49 | 0 19 | 20 43 | 0 54 | 1 11 | 2 14 | 16 23 | 0 18 | 16 21 | 1 49 | 7 47 | 12 24 | 3 35 | 4 3 | 16 28 | 8 42 | 0 36 |
| T 26 | 4 30 | 22 29 | 3 44 | 2 37 | 1 13 | 2 36 | 1 29 | 23 50 | 0 21 | 20 42 | 0 54 | 1 14 | 2 14 | 16 24 | 0 17 | 16 21 | 1 49 | 7 46 | 12 24 | 3 35 | 4 4 | 16 31 | 8 41 | 0 36 |
| F 27 | 4 54 | 17 59 | 2 50 | 3 23 | 1 7 | 2 6 | 1 29 | 23 51 | 0 23 | 20 42 | 0 54 | 1 17 | 2 15 | 16 25 | 0 17 | 16 20 | 1 49 | 7 46 | 12 24 | 3 34 | 4 5 | 16 34 | 8 40 | 0 36 |
| S 28 | 5 17 | 12 49 | 1 48 | 4 8 | 1 1 | 1 36 | 1 29 | 23 52 | 0 25 | 20 42 | 0 54 | 1 20 | 2 15 | 16 26 | 0 17 | 16 20 | 1 49 | 7 46 | 12 25 | 3 33 | 4 7 | 16 37 | 8 39 | 0 36 |
| S 29 | 5 40 | 7 14 | 0 43 | 4 54 | 0 55 | 1 6 | 1 29 | 23 54 | 0 26 | 20 41 | 0 54 | 1 23 | 2 15 | 16 27 | 0 17 | 16 19 | 1 49 | 7 45 | 12 25 | 3 33 | 4 8 | 16 40 | 8 37 | 0 36 |
| M30 | 6s 3 | 1s27 | 0n24 | 5s38 | 0n49 | 0n36 | 1n29 | 23n55 | 0n28 | 20s41 | 0s54 | 1s25 | 2n15 | 16s28 | 0n17 | 16n19 | 1s49 | 7n45 | 12s25 | 3s33 | 4s 9 | 16n43 | 8n36 | 0n35 |

Julian Day Number = 2229729.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'06, Lahiri = 15°23'07 Julian Calendar 1 Sept. 1392 == Greg. Calendar 9 Sept. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## OCTOBER 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 12 45 | 16♎18'29 | 7♈25 | 17♎53 | 3♎ 9 | 4♋57 | 1♒57 | 8♎53 | 16♏17 | 20°R59 | 28°R24 | 21°R 3 | 19♓30 | 5♉11 | 20°R31 | T 1 |
| W 2 | 1 16 41 | 17°18'07 | 19°19 | 19°33 | 4°23 | 5°19 | 2° 0 | 9° 0 | 16°20 | 20♉58 | 28♉23 | 21♓ 1 | 19°27 | 5°17 | 20♈28 | W 2 |
| T 3 | 1 20 38 | 18°17'47 | 1♉10 | 21°13 | 5°39 | 5°40 | 2° 2 | 9° 8 | 16°23 | 20°56 | 28°23 | 20°57 | 19°24 | 5°24 | 20°25 | T 3 |
| F 4 | 1 24 34 | 19°17'29 | 13° 0 | 22°51 | 6°54 | 6° 1 | 2° 5 | 9°15 | 16°27 | 20°55 | 28°22 | 20°52 | 19°20 | 5°31 | 20°22 | F 4 |
| S 5 | 1 28 31 | 20°17'14 | 24°51 | 24°29 | 8° 9 | 6°22 | 2° 8 | 9°22 | 16°30 | 20°53 | 28°21 | 20°47 | 19°17 | 5°37 | 20°19 | S 5 |
| S 6 | 1 32 27 | 21°17'00 | 6♊45 | 26° 7 | 9°24 | 6°42 | 2°11 | 9°29 | 16°34 | 20°52 | 28°20 | 20°42 | 19°14 | 5°44 | 20°16 | S 6 |
| M 7 | 1 36 24 | 22°16'49 | 18°45 | 27°44 | 10°39 | 7° 2 | 2°15 | 9°37 | 16°37 | 20°51 | 28°19 | 20°37 | 19°11 | 5°51 | 20°13 | M 7 |
| T 8 | 1 40 20 | 23°16'40 | 0♋55 | 29°20 | 11°54 | 7°21 | 2°18 | 9°44 | 16°41 | 20°49 | 28°18 | 20°33 | 19° 8 | 5°57 | 20°10 | T 8 |
| W 9 | 1 44 17 | 24°16'33 | 13°17 | 0♏56 | 13° 9 | 7°40 | 2°22 | 9°51 | 16°44 | 20°48 | 28°17 | 20°31 | 19° 4 | 6° 4 | 20° 7 | W 9 |
| T 10 | 1 48 14 | 25°16'28 | 25°56 | 2°32 | 14°24 | 7°58 | 2°26 | 9°58 | 16°48 | 20°46 | 28°16 | 20°D31 | 19° 1 | 6°11 | 20° 4 | T 10 |
| F 11 | 1 52 10 | 26°16'26 | 8♌57 | 4° 6 | 15°39 | 8°15 | 2°30 | 10° 5 | 16°51 | 20°45 | 28°15 | 20°31 | 18°58 | 6°17 | 20° 1 | F 11 |
| S 12 | 1 56 7 | 27°16'26 | 22°22 | 5°41 | 16°55 | 8°32 | 2°35 | 10°12 | 16°55 | 20°43 | 28°15 | 20°33 | 18°55 | 6°24 | 19°59 | S 12 |
| S 13 | 2 0 3 | 28°16'28 | 6♍13 | 7°15 | 18°10 | 8°49 | 2°39 | 10°20 | 16°58 | 20°42 | 28°14 | 20°34 | 18°52 | 6°31 | 19°56 | S 13 |
| M14 | 2 4 0 | 29°16'32 | 20°33 | 8°48 | 19°25 | 9° 5 | 2°44 | 10°27 | 17° 2 | 20°40 | 28°13 | 20°R35 | 18°49 | 6°37 | 19°53 | M14 |
| T 15 | 2 7 56 | 0♏16'38 | 5♎17 | 10°21 | 20°40 | 9°20 | 2°49 | 10°34 | 17° 5 | 20°39 | 28°12 | 20°34 | 18°45 | 6°44 | 19°50 | T 15 |
| W16 | 2 11 53 | 1°16'46 | 20°21 | 11°54 | 21°56 | 9°35 | 2°54 | 10°41 | 17° 9 | 20°37 | 28°11 | 20°31 | 18°42 | 6°51 | 19°47 | W16 |
| T 17 | 2 15 49 | 2°16'56 | 5♏37 | 13°26 | 23°11 | 9°49 | 2°59 | 10°48 | 17°13 | 20°35 | 28°10 | 20°26 | 18°39 | 6°58 | 19°44 | T 17 |
| F 18 | 2 19 46 | 3°17'08 | 20°54 | 14°57 | 24°26 | 10° 3 | 3° 4 | 10°55 | 17°16 | 20°34 | 28° 9 | 20°20 | 18°36 | 7° 4 | 19°41 | F 18 |
| S 19 | 2 23 42 | 4°17'22 | 6♐ 1 | 16°29 | 25°42 | 10°16 | 3°10 | 11° 2 | 17°20 | 20°32 | 28° 8 | 20°13 | 18°33 | 7°11 | 19°39 | S 19 |
| S 20 | 2 27 39 | 5°17'37 | 20°49 | 18° 0 | 26°57 | 10°28 | 3°16 | 11° 9 | 17°24 | 20°31 | 28° 7 | 20° 7 | 18°30 | 7°18 | 19°36 | S 20 |
| M21 | 2 31 36 | 6°17'54 | 5♑11 | 19°30 | 28°12 | 10°40 | 3°22 | 11°15 | 17°27 | 20°29 | 28° 6 | 20° 1 | 18°26 | 7°24 | 19°33 | M21 |
| T 22 | 2 35 32 | 7°18'13 | 19° 4 | 21° 0 | 29°28 | 10°51 | 3°28 | 11°22 | 17°31 | 20°27 | 28° 4 | 19°58 | 18°23 | 7°31 | 19°30 | T 22 |
| W23 | 2 39 29 | 8°18'33 | 2♒29 | 22°30 | 0♏43 | 11° 1 | 3°34 | 11°29 | 17°35 | 20°26 | 28° 3 | 19°D56 | 18°20 | 7°38 | 19°28 | W23 |
| T 24 | 2 43 25 | 9°18'54 | 15°28 | 23°59 | 1°59 | 11°11 | 3°40 | 11°36 | 17°38 | 20°24 | 28° 2 | 19°56 | 18°17 | 7°44 | 19°25 | T 24 |
| F 25 | 2 47 22 | 10°19'17 | 28° 5 | 25°28 | 3°14 | 11°20 | 3°47 | 11°43 | 17°42 | 20°22 | 28° 1 | 19°57 | 18°14 | 7°51 | 19°22 | F 25 |
| S 26 | 2 51 18 | 11°19'41 | 10♓23 | 26°56 | 4°29 | 11°28 | 3°54 | 11°49 | 17°46 | 20°21 | 28° 0 | 19°58 | 18°10 | 7°58 | 19°20 | S 26 |
| S 27 | 2 55 15 | 12°20'07 | 22°29 | 28°24 | 5°45 | 11°36 | 4° 1 | 11°56 | 17°49 | 20°19 | 27°59 | 19°R59 | 18° 7 | 8° 4 | 19°17 | S 27 |
| M28 | 2 59 11 | 13°20'33 | 4♈26 | 29°52 | 7° 0 | 11°43 | 4° 8 | 12° 3 | 17°53 | 20°17 | 27°58 | 19°57 | 18° 4 | 8°11 | 19°14 | M28 |
| T 29 | 3 3 8 | 14°21'02 | 16°18 | 1♐18 | 8°15 | 11°49 | 4°15 | 12° 9 | 17°57 | 20°16 | 27°57 | 19°54 | 18° 1 | 8°18 | 19°12 | T 29 |
| W30 | 3 7 5 | 15°21'32 | 28° 8 | 2°45 | 9°31 | 11°54 | 4°22 | 12°16 | 18° 1 | 20°14 | 27°56 | 19°48 | 17°58 | 8°25 | 19° 9 | W30 |
| T 31 | 3 11 1 | 16♏22'03 | 9♉58 | 4♐10 | 10♏46 | 11♋59 | 4♒30 | 12♎22 | 18♏ 4 | 20♉12 | 27♉55 | 19♓39 | 17♓55 | 8♉31 | 19♈ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s26 | 4n19 | 1n29 | 6s23 | 0n43 | 0n 6 | 1n28 | 23n56 | 0n30 | 20s40 | 0s54 | 1s28 | 2n15 | 16s29 | 0n17 | 16n19 | 1s49 | 7n45 | 12s25 | 3s33 | 4s10 | 16n46 | 8n35 | 0n35 |
| W 2 | 6 49 | 9 53 | 2 29 | 7 7 | 0 36 | 0s24 | 1 28 | 23 57 | 0 32 | 20 39 | 0 54 | 1 31 | 2 15 | 16 30 | 0 17 | 16 18 | 1 49 | 7 44 | 12 25 | 3 34 | 4 12 | 16 48 | 8 34 | 0 35 |
| T 3 | 7 12 | 15 5 | 3 22 | 7 50 | 0 30 | 0 54 | 1 28 | 23 58 | 0 34 | 20 39 | 0 54 | 1 34 | 2 15 | 16 31 | 0 17 | 16 18 | 1 49 | 7 44 | 12 25 | 3 36 | 4 13 | 16 51 | 8 33 | 0 35 |
| F 4 | 7 35 | 19 43 | 4 7 | 8 33 | 0 23 | 1 25 | 1 27 | 23 59 | 0 36 | 20 38 | 0 54 | 1 37 | 2 15 | 16 32 | 0 17 | 16 18 | 1 49 | 7 44 | 12 26 | 3 38 | 4 14 | 16 54 | 8 32 | 0 35 |
| S 5 | 7 57 | 23 35 | 4 41 | 9 16 | 0 17 | 1 55 | 1 27 | 23 59 | 0 38 | 20 37 | 0 54 | 1 40 | 2 15 | 16 33 | 0 17 | 16 17 | 1 49 | 7 44 | 12 26 | 3 40 | 4 15 | 16 57 | 8 30 | 0 35 |
| S 6 | 8 20 | 26 29 | 5 3 | 9 58 | 0 10 | 2 25 | 1 26 | 24 0 | 0 39 | 20 36 | 0 54 | 1 42 | 2 15 | 16 34 | 0 17 | 16 17 | 1 49 | 7 43 | 12 26 | 3 42 | 4 17 | 17 0 | 8 29 | 0 35 |
| M 7 | 8 42 | 28 13 | 5 12 | 10 39 | 0 3 | 2 55 | 1 26 | 24 1 | 0 41 | 20 36 | 0 53 | 1 45 | 2 15 | 16 35 | 0 17 | 16 16 | 1 49 | 7 43 | 12 26 | 3 44 | 4 18 | 17 3 | 8 28 | 0 35 |
| T 8 | 9 4 | 28 38 | 5 7 | 11 20 | 0s 4 | 3 25 | 1 25 | 24 2 | 0 43 | 20 35 | 0 53 | 1 48 | 2 15 | 16 36 | 0 17 | 16 16 | 1 49 | 7 43 | 12 26 | 3 45 | 4 19 | 17 6 | 8 27 | 0 35 |
| W 9 | 9 27 | 27 38 | 4 48 | 12 0 | 0 10 | 3 55 | 1 24 | 24 3 | 0 45 | 20 34 | 0 53 | 1 51 | 2 15 | 16 37 | 0 17 | 16 16 | 1 49 | 7 42 | 12 26 | 3 46 | 4 20 | 17 8 | 8 26 | 0 35 |
| T 10 | 9 49 | 25 12 | 4 15 | 12 39 | 0 17 | 4 25 | 1 23 | 24 4 | 0 48 | 20 33 | 0 53 | 1 53 | 2 15 | 16 38 | 0 17 | 16 15 | 1 49 | 7 42 | 12 26 | 3 46 | 4 22 | 17 11 | 8 24 | 0 35 |
| F 11 | 10 11 | 21 25 | 3 27 | 13 18 | 0 24 | 4 55 | 1 22 | 24 5 | 0 50 | 20 32 | 0 53 | 1 56 | 2 15 | 16 39 | 0 17 | 16 15 | 1 49 | 7 42 | 12 26 | 3 46 | 4 23 | 17 14 | 8 23 | 0 35 |
| S 12 | 10 32 | 16 26 | 2 28 | 13 56 | 0 30 | 5 25 | 1 22 | 24 6 | 0 52 | 20 31 | 0 53 | 1 59 | 2 15 | 16 40 | 0 17 | 16 14 | 1 49 | 7 41 | 12 26 | 3 46 | 4 24 | 17 17 | 8 22 | 0 34 |
| S 13 | 10 54 | 10 27 | 1 17 | 14 34 | 0 37 | 5 54 | 1 21 | 24 7 | 0 54 | 20 30 | 0 53 | 2 2 | 2 15 | 16 41 | 0 17 | 16 14 | 1 49 | 7 41 | 12 27 | 3 45 | 4 25 | 17 20 | 8 21 | 0 34 |
| M14 | 11 15 | 3 46 | 0 0 | 15 10 | 0 44 | 6 24 | 1 19 | 24 8 | 0 56 | 20 29 | 0 53 | 2 4 | 2 16 | 16 42 | 0 17 | 16 13 | 1 49 | 7 41 | 12 27 | 3 45 | 4 27 | 17 22 | 8 20 | 0 34 |
| T 15 | 11 36 | 3s19 | 1s19 | 15 46 | 0 50 | 6 53 | 1 18 | 24 10 | 0 58 | 20 27 | 0 53 | 2 7 | 2 16 | 16 43 | 0 17 | 16 13 | 1 49 | 7 41 | 12 27 | 3 45 | 4 28 | 17 25 | 8 19 | 0 34 |
| W16 | 11 58 | 10 22 | 2 34 | 16 21 | 0 57 | 7 23 | 1 17 | 24 11 | 1 0 | 20 26 | 0 53 | 2 10 | 2 16 | 16 44 | 0 17 | 16 13 | 1 49 | 7 40 | 12 27 | 3 46 | 4 29 | 17 28 | 8 17 | 0 34 |
| T 17 | 12 18 | 16 53 | 3 40 | 16 55 | 1 3 | 7 52 | 1 16 | 24 12 | 1 3 | 20 25 | 0 53 | 2 12 | 2 16 | 16 45 | 0 17 | 16 12 | 1 49 | 7 40 | 12 27 | 3 48 | 4 30 | 17 31 | 8 16 | 0 34 |
| F 18 | 12 39 | 22 22 | 4 29 | 17 29 | 1 9 | 8 21 | 1 15 | 24 13 | 1 5 | 20 23 | 0 53 | 2 15 | 2 16 | 16 46 | 0 17 | 16 12 | 1 49 | 7 40 | 12 27 | 3 50 | 4 32 | 17 34 | 8 15 | 0 34 |
| S 19 | 13 0 | 26 18 | 4 59 | 18 1 | 1 15 | 8 50 | 1 13 | 24 14 | 1 7 | 20 22 | 0 53 | 2 18 | 2 16 | 16 47 | 0 17 | 16 11 | 1 49 | 7 39 | 12 27 | 3 53 | 4 33 | 17 36 | 8 14 | 0 34 |
| S 20 | 13 20 | 28 20 | 5 9 | 18 33 | 1 21 | 9 18 | 1 12 | 24 16 | 1 10 | 20 21 | 0 52 | 2 20 | 2 16 | 16 48 | 0 17 | 16 11 | 1 49 | 7 39 | 12 27 | 3 56 | 4 34 | 17 39 | 8 13 | 0 34 |
| M21 | 13 40 | 28 23 | 4 58 | 19 4 | 1 27 | 9 47 | 1 10 | 24 17 | 1 12 | 20 19 | 0 52 | 2 23 | 2 16 | 16 49 | 0 17 | 16 10 | 1 49 | 7 39 | 12 27 | 3 58 | 4 35 | 17 42 | 8 12 | 0 34 |
| T 22 | 14 0 | 26 37 | 4 30 | 19 34 | 1 33 | 10 15 | 1 9 | 24 19 | 1 14 | 20 18 | 0 52 | 2 25 | 2 16 | 16 51 | 0 17 | 16 10 | 1 49 | 7 39 | 12 27 | 3 59 | 4 36 | 17 45 | 8 10 | 0 34 |
| W23 | 14 19 | 23 22 | 3 48 | 20 2 | 1 38 | 10 43 | 1 7 | 24 20 | 1 17 | 20 16 | 0 52 | 2 28 | 2 16 | 16 52 | 0 17 | 16 9 | 1 49 | 7 38 | 12 27 | 4 0 | 4 38 | 17 47 | 8 9 | 0 33 |
| T 24 | 14 39 | 19 2 | 2 55 | 20 30 | 1 44 | 11 10 | 1 6 | 24 22 | 1 19 | 20 15 | 0 52 | 2 30 | 2 17 | 16 53 | 0 17 | 16 9 | 1 49 | 7 38 | 12 27 | 4 0 | 4 39 | 17 50 | 8 8 | 0 33 |
| F 25 | 14 58 | 13 59 | 1 55 | 20 57 | 1 49 | 11 38 | 1 4 | 24 24 | 1 22 | 20 13 | 0 52 | 2 33 | 2 17 | 16 54 | 0 17 | 16 9 | 1 49 | 7 38 | 12 27 | 4 0 | 4 40 | 17 53 | 8 7 | 0 33 |
| S 26 | 15 17 | 8 29 | 0 51 | 21 23 | 1 54 | 12 5 | 1 3 | 24 25 | 1 24 | 20 11 | 0 52 | 2 36 | 2 17 | 16 55 | 0 17 | 16 8 | 1 49 | 7 37 | 12 27 | 3 59 | 4 41 | 17 56 | 8 6 | 0 33 |
| S 27 | 15 35 | 2 47 | 0n14 | 21 48 | 1 58 | 12 32 | 1 1 | 24 27 | 1 27 | 20 10 | 0 52 | 2 38 | 2 17 | 16 56 | 0 17 | 16 8 | 1 49 | 7 37 | 12 28 | 3 59 | 4 43 | 17 58 | 8 5 | 0 33 |
| M28 | 15 54 | 2n57 | 1 17 | 22 11 | 2 3 | 12 58 | 0 59 | 24 29 | 1 29 | 20 8 | 0 52 | 2 40 | 2 17 | 16 57 | 0 17 | 16 7 | 1 49 | 7 37 | 12 28 | 3 59 | 4 44 | 18 1 | 8 4 | 0 33 |
| T 29 | 16 12 | 8 32 | 2 16 | 22 34 | 2 7 | 13 24 | 0 57 | 24 31 | 1 32 | 20 6 | 0 52 | 2 43 | 2 17 | 16 58 | 0 17 | 16 7 | 1 49 | 7 37 | 12 28 | 4 1 | 4 45 | 18 4 | 8 3 | 0 33 |
| W30 | 16 30 | 13 48 | 3 10 | 22 55 | 2 11 | 13 50 | 0 55 | 24 33 | 1 35 | 20 4 | 0 52 | 2 45 | 2 17 | 16 59 | 0 17 | 16 6 | 1 49 | 7 36 | 12 28 | 4 3 | 4 46 | 18 7 | 8 2 | 0 33 |
| T 31 | 16s47 | 18n34 | 3n55 | 23s15 | 2s15 | 14s16 | 0n53 | 24n36 | 1n37 | 20s 2 | 0s52 | 2s48 | 2n17 | 17s 0 | 0n17 | 16n 6 | 1s49 | 7n36 | 12s28 | 4s 7 | 4s48 | 18n 9 | 8n 1 | 0n33 |

Julian Day Number = 2229759.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'15, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'10, Lahiri = 15°23'11 Julian Calendar 1 Oct. 1392 == Greg. Calendar 9 Oct. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## NOVEMBER 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 14 58 | 17♏22'36 | 21♉51 | 5♐35 | 12♏ 2 | 12♋ 3 | 4♒37 | 12♎29 | 18♏ 8 | 20°R11 | 27°R54 | 19°R28 | 17♓51 | 8♉38 | 19°R 4 | F 1 |
| S 2 | 3 18 54 | 18°23'11 | 3♊46 | 6°59 | 13°17 | 12° 6 | 4°45 | 12°35 | 18°12 | 20♉ 9 | 27♉52 | 19♓17 | 17°48 | 8°45 | 19♈ 2 | S 2 |
| S 3 | 3 22 51 | 19°23'47 | 15°47 | 8°23 | 14°33 | 12° 8 | 4°53 | 12°41 | 18°15 | 20° 7 | 27°51 | 19° 5 | 17°45 | 8°51 | 18°59 | S 3 |
| M 4 | 3 26 47 | 20°24'24 | 27°54 | 9°45 | 15°48 | 12°10 | 5° 1 | 12°48 | 18°19 | 20° 5 | 27°50 | 18°54 | 17°42 | 8°58 | 18°57 | M 4 |
| T 5 | 3 30 44 | 21°25'04 | 10♋ 9 | 11° 6 | 17° 4 | 12°R11 | 5°10 | 12°54 | 18°23 | 20° 4 | 27°49 | 18°44 | 17°39 | 9° 5 | 18°54 | T 5 |
| W 6 | 3 34 41 | 22°25'45 | 22°35 | 12°26 | 18°19 | 12°11 | 5°18 | 13° 0 | 18°27 | 20° 2 | 27°48 | 18°38 | 17°36 | 9°11 | 18°52 | W 6 |
| T 7 | 3 38 37 | 23°26'27 | 5♌14 | 13°44 | 19°35 | 12°10 | 5°27 | 13° 6 | 18°30 | 20° 0 | 27°47 | 18°34 | 17°32 | 9°18 | 18°50 | T 7 |
| F 8 | 3 42 34 | 24°27'12 | 18°10 | 15° 1 | 20°50 | 12° 8 | 5°35 | 13°13 | 18°34 | 19°59 | 27°46 | 18°32 | 17°29 | 9°25 | 18°48 | F 8 |
| S 9 | 3 46 30 | 25°27'57 | 1♍26 | 16°16 | 22° 6 | 12° 5 | 5°44 | 13°19 | 18°38 | 19°57 | 27°45 | 18°D32 | 17°26 | 9°31 | 18°45 | S 9 |
| S 10 | 3 50 27 | 26°28'45 | 15° 5 | 17°29 | 23°21 | 12° 2 | 5°53 | 13°25 | 18°41 | 19°55 | 27°43 | 18°R32 | 17°23 | 9°38 | 18°43 | S 10 |
| M11 | 3 54 23 | 27°29'34 | 29°10 | 18°39 | 24°37 | 11°58 | 6° 2 | 13°31 | 18°45 | 19°54 | 27°42 | 18°32 | 17°20 | 9°45 | 18°41 | M11 |
| T 12 | 3 58 20 | 28°30'24 | 13♎40 | 19°47 | 25°52 | 11°52 | 6°11 | 13°37 | 18°49 | 19°52 | 27°41 | 18°30 | 17°16 | 9°52 | 18°39 | T 12 |
| W13 | 4 2 16 | 29°31'16 | 28°32 | 20°51 | 27° 8 | 11°46 | 6°21 | 13°42 | 18°52 | 19°50 | 27°40 | 18°25 | 17°13 | 9°58 | 18°37 | W13 |
| T 14 | 4 6 13 | 0♐32'09 | 13♏40 | 21°51 | 28°23 | 11°39 | 6°30 | 13°48 | 18°56 | 19°49 | 27°39 | 18°17 | 17°10 | 10° 5 | 18°35 | T 14 |
| F 15 | 4 10 10 | 1°33'04 | 28°55 | 22°48 | 29°39 | 11°32 | 6°40 | 13°54 | 19° 0 | 19°47 | 27°38 | 18° 7 | 17° 7 | 10°12 | 18°33 | F 15 |
| S 16 | 4 14 6 | 2°34'00 | 14♐ 6 | 23°39 | 0♐54 | 11°23 | 6°50 | 14° 0 | 19° 3 | 19°45 | 27°37 | 17°56 | 17° 4 | 10°18 | 18°31 | S 16 |
| S 17 | 4 18 3 | 3°34'56 | 29° 2 | 24°26 | 2°10 | 11°13 | 7° 0 | 14° 5 | 19° 7 | 19°44 | 27°35 | 17°44 | 17° 1 | 10°25 | 18°29 | S 17 |
| M18 | 4 21 59 | 4°35'54 | 13♑34 | 25° 6 | 3°25 | 11° 3 | 7°10 | 14°11 | 19°11 | 19°42 | 27°34 | 17°35 | 16°57 | 10°32 | 18°27 | M18 |
| T 19 | 4 25 56 | 5°36'53 | 27°38 | 25°38 | 4°41 | 10°52 | 7°20 | 14°16 | 19°14 | 19°40 | 27°33 | 17°27 | 16°54 | 10°38 | 18°26 | T 19 |
| W20 | 4 29 52 | 6°37'52 | 11♒11 | 26° 4 | 5°56 | 10°40 | 7°30 | 14°22 | 19°18 | 19°39 | 27°32 | 17°22 | 16°51 | 10°45 | 18°24 | W20 |
| T 21 | 4 33 49 | 7°38'52 | 24°15 | 26°20 | 7°12 | 10°27 | 7°40 | 14°27 | 19°22 | 19°37 | 27°31 | 17°20 | 16°48 | 10°52 | 18°22 | T 21 |
| F 22 | 4 37 45 | 8°39'52 | 6♓54 | 26°R27 | 8°27 | 10°13 | 7°51 | 14°32 | 19°25 | 19°36 | 27°30 | 17°D20 | 16°45 | 10°59 | 18°21 | F 22 |
| S 23 | 4 41 42 | 9°40'53 | 19°13 | 26°23 | 9°43 | 9°59 | 8° 1 | 14°37 | 19°29 | 19°34 | 27°29 | 17°R20 | 16°42 | 11° 5 | 18°19 | S 23 |
| S 24 | 4 45 39 | 10°41'55 | 1♈17 | 26° 9 | 10°58 | 9°44 | 8°12 | 14°43 | 19°32 | 19°32 | 27°28 | 17°19 | 16°38 | 11°12 | 18°18 | S 24 |
| M25 | 4 49 35 | 11°42'57 | 13°11 | 25°43 | 12°14 | 9°28 | 8°23 | 14°48 | 19°36 | 19°31 | 27°27 | 17°17 | 16°35 | 11°19 | 18°16 | M25 |
| T 26 | 4 53 32 | 12°44'00 | 25° 0 | 25° 5 | 13°29 | 9°11 | 8°34 | 14°53 | 19°39 | 19°29 | 27°25 | 17°12 | 16°32 | 11°25 | 18°15 | T 26 |
| W27 | 4 57 28 | 13°45'03 | 6♉49 | 24°17 | 14°45 | 8°54 | 8°45 | 14°57 | 19°43 | 19°28 | 27°24 | 17° 4 | 16°29 | 11°32 | 18°13 | W27 |
| T 28 | 5 1 25 | 14°46'07 | 18°41 | 23°18 | 16° 0 | 8°36 | 8°56 | 15° 2 | 19°46 | 19°26 | 27°23 | 16°53 | 16°26 | 11°39 | 18°12 | T 28 |
| F 29 | 5 5 21 | 15°47'11 | 0♊37 | 22° 9 | 17°16 | 8°17 | 9° 7 | 15° 7 | 19°50 | 19°25 | 27°22 | 16°40 | 16°22 | 11°45 | 18°11 | F 29 |
| S 30 | 5 9 18 | 16♐48'16 | 12♊41 | 20♐54 | 18♐31 | 7♋58 | 9♒18 | 15♎12 | 19♏53 | 19♉23 | 27♉21 | 16♓25 | 16♓19 | 11♉52 | 18♈10 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17s 5 | 22n37 | 4n29 | 23s34 | 2s18 | 14s41 | 0n51 | 24n38 | 1n40 | 20s 0 | 0s52 | 2s50 | 2n18 | 17s 1 | 0n17 | 16n 5 | 1s49 | 7n36 | 12s28 | 4s11 | 4s49 | 18n12 | 8n 0 | 0n33 |
| S 2 | 17 22 | 25 46 | 4 52 | 23 52 | 2 21 | 15 6 | 0 50 | 24 40 | 1 43 | 19 59 | 0 52 | 2 53 | 2 18 | 17 2 | 0 17 | 16 5 | 1 49 | 7 36 | 12 28 | 4 16 | 4 50 | 18 15 | 7 59 | 0 32 |
| S 3 | 17 38 | 27 46 | 5 3 | 24 8 | 2 24 | 15 30 | 0 47 | 24 43 | 1 45 | 19 57 | 0 52 | 2 55 | 2 18 | 17 3 | 0 17 | 16 5 | 1 49 | 7 35 | 12 28 | 4 20 | 4 51 | 18 17 | 7 58 | 0 32 |
| M 4 | 17 55 | 28 30 | 5 0 | 24 23 | 2 26 | 15 54 | 0 45 | 24 45 | 1 48 | 19 54 | 0 51 | 2 57 | 2 18 | 17 4 | 0 17 | 16 4 | 1 49 | 7 35 | 12 28 | 4 25 | 4 53 | 18 20 | 7 57 | 0 32 |
| T 5 | 18 11 | 27 50 | 4 43 | 24 37 | 2 27 | 16 18 | 0 43 | 24 48 | 1 51 | 19 52 | 0 51 | 3 0 | 2 18 | 17 5 | 0 17 | 16 4 | 1 49 | 7 35 | 12 28 | 4 28 | 4 54 | 18 23 | 7 56 | 0 32 |
| W 6 | 18 26 | 25 46 | 4 12 | 24 49 | 2 29 | 16 41 | 0 41 | 24 51 | 1 54 | 19 50 | 0 51 | 3 2 | 2 18 | 17 6 | 0 17 | 16 3 | 1 49 | 7 35 | 12 28 | 4 31 | 4 55 | 18 26 | 7 55 | 0 32 |
| T 7 | 18 42 | 22 24 | 3 29 | 25 0 | 2 30 | 17 4 | 0 39 | 24 54 | 1 56 | 19 48 | 0 51 | 3 4 | 2 18 | 17 7 | 0 17 | 16 3 | 1 49 | 7 34 | 12 28 | 4 32 | 4 56 | 18 28 | 7 54 | 0 32 |
| F 8 | 18 57 | 17 53 | 2 34 | 25 9 | 2 30 | 17 26 | 0 37 | 24 57 | 1 59 | 19 46 | 0 51 | 3 6 | 2 19 | 17 8 | 0 17 | 16 2 | 1 49 | 7 34 | 12 28 | 4 33 | 4 58 | 18 31 | 7 53 | 0 32 |
| S 9 | 19 12 | 12 24 | 1 30 | 25 17 | 2 29 | 17 48 | 0 35 | 25 0 | 2 2 | 19 44 | 0 51 | 3 8 | 2 19 | 17 9 | 0 17 | 16 2 | 1 49 | 7 34 | 12 28 | 4 33 | 4 59 | 18 34 | 7 52 | 0 32 |
| S 10 | 19 26 | 6 11 | 0 18 | 25 23 | 2 28 | 18 9 | 0 33 | 25 3 | 2 5 | 19 41 | 0 51 | 3 11 | 2 19 | 17 10 | 0 17 | 16 1 | 1 49 | 7 34 | 12 28 | 4 33 | 5 0 | 18 36 | 7 51 | 0 32 |
| M11 | 19 40 | 0s31 | 0s56 | 25 28 | 2 27 | 18 30 | 0 30 | 25 6 | 2 8 | 19 39 | 0 51 | 3 13 | 2 19 | 17 11 | 0 17 | 16 1 | 1 49 | 7 34 | 12 28 | 4 33 | 5 1 | 18 39 | 7 50 | 0 32 |
| T 12 | 19 54 | 7 23 | 2 9 | 25 31 | 2 24 | 18 50 | 0 28 | 25 9 | 2 11 | 19 37 | 0 51 | 3 15 | 2 19 | 17 12 | 0 17 | 16 1 | 1 49 | 7 33 | 12 28 | 4 34 | 5 3 | 18 42 | 7 49 | 0 31 |
| W13 | 20 7 | 14 1 | 3 15 | 25 33 | 2 21 | 19 10 | 0 26 | 25 13 | 2 14 | 19 34 | 0 51 | 3 17 | 2 19 | 17 13 | 0 17 | 16 0 | 1 49 | 7 33 | 12 27 | 4 36 | 5 4 | 18 44 | 7 48 | 0 31 |
| T 14 | 20 20 | 19 57 | 4 9 | 25 33 | 2 17 | 19 29 | 0 23 | 25 16 | 2 16 | 19 32 | 0 51 | 3 19 | 2 20 | 17 14 | 0 17 | 16 0 | 1 49 | 7 33 | 12 27 | 4 39 | 5 5 | 18 47 | 7 47 | 0 31 |
| F 15 | 20 32 | 24 37 | 4 45 | 25 31 | 2 12 | 19 48 | 0 21 | 25 20 | 2 19 | 19 29 | 0 51 | 3 21 | 2 20 | 17 15 | 0 17 | 15 59 | 1 49 | 7 33 | 12 27 | 4 43 | 5 6 | 18 50 | 7 46 | 0 31 |
| S 16 | 20 45 | 27 32 | 5 0 | 25 27 | 2 5 | 20 6 | 0 19 | 25 24 | 2 22 | 19 27 | 0 51 | 3 23 | 2 20 | 17 16 | 0 17 | 15 59 | 1 49 | 7 33 | 12 27 | 4 47 | 5 8 | 18 52 | 7 46 | 0 31 |
| S 17 | 20 56 | 28 26 | 4 55 | 25 22 | 1 58 | 20 24 | 0 16 | 25 27 | 2 25 | 19 24 | 0 51 | 3 25 | 2 20 | 17 17 | 0 17 | 15 58 | 1 49 | 7 32 | 12 27 | 4 52 | 5 9 | 18 55 | 7 45 | 0 31 |
| M18 | 21 8 | 27 19 | 4 31 | 25 15 | 1 50 | 20 41 | 0 14 | 25 31 | 2 28 | 19 22 | 0 51 | 3 27 | 2 20 | 17 18 | 0 17 | 15 58 | 1 49 | 7 32 | 12 27 | 4 55 | 5 10 | 18 58 | 7 44 | 0 31 |
| T 19 | 21 19 | 24 28 | 3 51 | 25 7 | 1 40 | 20 57 | 0 12 | 25 35 | 2 31 | 19 19 | 0 51 | 3 29 | 2 21 | 17 19 | 0 17 | 15 58 | 1 49 | 7 32 | 12 27 | 4 58 | 5 11 | 19 0 | 7 43 | 0 31 |
| W20 | 21 29 | 20 20 | 2 59 | 24 57 | 1 29 | 21 13 | 0 9 | 25 39 | 2 34 | 19 16 | 0 51 | 3 31 | 2 21 | 17 20 | 0 17 | 15 57 | 1 49 | 7 32 | 12 27 | 5 0 | 5 13 | 19 3 | 7 42 | 0 31 |
| T 21 | 21 40 | 15 21 | 1 59 | 24 45 | 1 17 | 21 28 | 0 7 | 25 43 | 2 37 | 19 14 | 0 51 | 3 33 | 2 21 | 17 21 | 0 17 | 15 57 | 1 49 | 7 32 | 12 27 | 5 1 | 5 14 | 19 6 | 7 42 | 0 30 |
| F 22 | 21 49 | 9 51 | 0 55 | 24 31 | 1 3 | 21 43 | 0 5 | 25 47 | 2 39 | 19 11 | 0 51 | 3 35 | 2 21 | 17 22 | 0 17 | 15 56 | 1 49 | 7 32 | 12 27 | 5 1 | 5 15 | 19 8 | 7 41 | 0 30 |
| S 23 | 21 59 | 4 8 | 0n10 | 24 16 | 0 48 | 21 57 | 0 2 | 25 50 | 2 42 | 19 8 | 0 51 | 3 37 | 2 21 | 17 23 | 0 17 | 15 56 | 1 49 | 7 32 | 12 27 | 5 1 | 5 16 | 19 11 | 7 40 | 0 30 |
| S 24 | 22 8 | 1n38 | 1 13 | 23 59 | 0 31 | 22 10 | 0s 0 | 25 54 | 2 45 | 19 5 | 0 50 | 3 38 | 2 22 | 17 24 | 0 17 | 15 56 | 1 49 | 7 31 | 12 27 | 5 2 | 5 17 | 19 13 | 7 40 | 0 30 |
| M25 | 22 16 | 7 15 | 2 12 | 23 41 | 0 14 | 22 23 | 0 3 | 25 58 | 2 48 | 19 3 | 0 50 | 3 40 | 2 22 | 17 25 | 0 17 | 15 55 | 1 49 | 7 31 | 12 27 | 5 3 | 5 19 | 19 16 | 7 39 | 0 30 |
| T 26 | 22 24 | 12 35 | 3 5 | 23 21 | 0n 5 | 22 35 | 0 5 | 26 2 | 2 51 | 19 0 | 0 50 | 3 42 | 2 22 | 17 26 | 0 17 | 15 55 | 1 49 | 7 31 | 12 27 | 5 4 | 5 20 | 19 19 | 7 38 | 0 30 |
| W27 | 22 32 | 17 27 | 3 50 | 22 59 | 0 25 | 22 46 | 0 7 | 26 6 | 2 53 | 18 57 | 0 50 | 3 44 | 2 22 | 17 27 | 0 17 | 15 54 | 1 49 | 7 31 | 12 26 | 5 8 | 5 21 | 19 21 | 7 38 | 0 30 |
| T 28 | 22 39 | 21 40 | 4 24 | 22 36 | 0 45 | 22 57 | 0 10 | 26 10 | 2 56 | 18 54 | 0 50 | 3 45 | 2 22 | 17 28 | 0 17 | 15 54 | 1 49 | 7 31 | 12 26 | 5 12 | 5 22 | 19 24 | 7 37 | 0 30 |
| F 29 | 22 46 | 25 2 | 4 48 | 22 12 | 1 5 | 23 7 | 0 12 | 26 14 | 2 59 | 18 51 | 0 50 | 3 47 | 2 23 | 17 29 | 0 17 | 15 54 | 1 49 | 7 31 | 12 26 | 5 17 | 5 24 | 19 26 | 7 37 | 0 30 |
| S 30 | 22s52 | 27n20 | 4n58 | 21s48 | 1n25 | 23s16 | 0s14 | 26n18 | 3n 1 | 18s48 | 0s50 | 3s48 | 2n23 | 17s30 | 0n17 | 15n53 | 1s49 | 7n31 | 12s26 | 5s23 | 5s25 | 19n29 | 7n36 | 0n30 |

Julian Day Number = 2229790.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'14, Lahiri = 15°23'15 Julian Calendar 1 Nov. 1392 == Greg. Calendar 9 Nov. 1392


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# ASTRODIENST EPHEMERIS for the year 1392
# geocentric

## DECEMBER 1392 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 13 14 | 17♐49'22 | 24♊52 | 19°R33 | 19♐47 | 7°R38 | 9♒30 | 15♎16 | 19♏57 | 19°R22 | 27°R20 | 16°R10 | 16♓16 | 11♉59 | 18°R 8 | S 1 |
| M 2 | 5 17 11 | 18°50'28 | 7♋11 | 18♐10 | 21° 2 | 7♋17 | 9°41 | 15°21 | 20° 0 | 19♉20 | 27♉19 | 15♓56 | 16°13 | 12° 5 | 18♈ 7 | M 2 |
| T 3 | 5 21 8 | 19°51'35 | 19°40 | 16°48 | 22°18 | 6°56 | 9°53 | 15°25 | 20° 3 | 19°19 | 27°18 | 15°44 | 16°10 | 12°12 | 18° 6 | T 3 |
| W 4 | 5 25 4 | 20°52'42 | 2♌18 | 15°29 | 23°33 | 6°35 | 10° 4 | 15°30 | 20° 7 | 19°18 | 27°17 | 15°36 | 16° 7 | 12°19 | 18° 5 | W 4 |
| T 5 | 5 29 1 | 21°53'50 | 15° 7 | 14°16 | 24°49 | 6°13 | 10°16 | 15°34 | 20°10 | 19°16 | 27°16 | 15°30 | 16° 3 | 12°26 | 18° 4 | T 5 |
| F 6 | 5 32 57 | 22°54'59 | 28° 9 | 13°11 | 26° 4 | 5°50 | 10°28 | 15°38 | 20°13 | 19°15 | 27°15 | 15°27 | 16° 0 | 12°32 | 18° 4 | F 6 |
| S 7 | 5 36 54 | 23°56'08 | 11♍26 | 12°14 | 27°20 | 5°28 | 10°40 | 15°42 | 20°16 | 19°14 | 27°14 | 15°D26 | 15°57 | 12°39 | 18° 3 | S 7 |
| S 8 | 5 40 50 | 24°57'18 | 24°59 | 11°28 | 28°35 | 5° 5 | 10°52 | 15°46 | 20°20 | 19°12 | 27°13 | 15°R26 | 15°54 | 12°46 | 18° 2 | S 8 |
| M 9 | 5 44 47 | 25°58'28 | 8♎52 | 10°53 | 29°51 | 4°41 | 11° 4 | 15°50 | 20°23 | 19°11 | 27°12 | 15°25 | 15°51 | 12°52 | 18° 1 | M 9 |
| T 10 | 5 48 43 | 26°59'39 | 23° 5 | 10°28 | 1♏ 6 | 4°18 | 11°16 | 15°54 | 20°26 | 19°10 | 27°11 | 15°23 | 15°48 | 12°59 | 18° 1 | T 10 |
| W11 | 5 52 40 | 28° 0'51 | 7♏36 | 10°13 | 2°22 | 3°54 | 11°29 | 15°58 | 20°29 | 19° 8 | 27°10 | 15°19 | 15°44 | 13° 6 | 18° 0 | W11 |
| T 12 | 5 56 37 | 29° 2'03 | 22°22 | 10°D 9 | 3°37 | 3°30 | 11°41 | 16° 2 | 20°32 | 19° 7 | 27° 9 | 15°11 | 15°41 | 13°13 | 18° 0 | T 12 |
| F 13 | 6 0 33 | 0♏ 3'15 | 7♐17 | 10°14 | 4°53 | 3° 6 | 11°54 | 16° 5 | 20°35 | 19° 6 | 27° 8 | 15° 1 | 15°38 | 13°19 | 17°59 | F 13 |
| S 14 | 6 4 30 | 1° 4'28 | 22°12 | 10°27 | 6° 8 | 2°42 | 12° 6 | 16° 9 | 20°39 | 19° 5 | 27° 7 | 14°50 | 15°35 | 13°26 | 17°59 | S 14 |
| S 15 | 6 8 26 | 2° 5'41 | 6♏58 | 10°48 | 7°24 | 2°18 | 12°19 | 16°12 | 20°42 | 19° 4 | 27° 6 | 14°38 | 15°32 | 13°33 | 17°58 | S 15 |
| M16 | 6 12 23 | 3° 6'53 | 21°26 | 11°17 | 8°39 | 1°54 | 12°31 | 16°16 | 20°45 | 19° 3 | 27° 5 | 14°28 | 15°28 | 13°39 | 17°58 | M16 |
| T 17 | 6 16 19 | 4° 8'06 | 5♒30 | 11°52 | 9°54 | 1°30 | 12°44 | 16°19 | 20°48 | 19° 1 | 27° 4 | 14°20 | 15°25 | 13°46 | 17°58 | T 17 |
| W18 | 6 20 16 | 5° 9'18 | 19° 7 | 12°32 | 11°10 | 1° 7 | 12°57 | 16°22 | 20°51 | 19° 0 | 27° 4 | 14°14 | 15°22 | 13°53 | 17°58 | W18 |
| T 19 | 6 24 13 | 6°10'30 | 2♓17 | 13°18 | 12°25 | 0°43 | 13°10 | 16°25 | 20°53 | 18°59 | 27° 3 | 14°12 | 15°19 | 13°59 | 17°58 | T 19 |
| F 20 | 6 28 9 | 7°11'42 | 15° 1 | 14° 8 | 13°41 | 0°20 | 13°23 | 16°28 | 20°56 | 18°58 | 27° 2 | 14°D11 | 15°16 | 14° 6 | 17°D58 | F 20 |
| S 21 | 6 32 6 | 8°12'53 | 27°24 | 15° 2 | 14°56 | 29♊58 | 13°36 | 16°31 | 20°59 | 18°57 | 27° 1 | 14°12 | 15°13 | 14°13 | 17°58 | S 21 |
| S 22 | 6 36 2 | 9°14'04 | 9♈31 | 16° 0 | 16°12 | 29°35 | 13°49 | 16°34 | 21° 2 | 18°56 | 27° 0 | 14°R12 | 15° 9 | 14°20 | 17°58 | S 22 |
| M23 | 6 39 59 | 10°15'14 | 21°27 | 17° 1 | 17°27 | 29°13 | 14° 2 | 16°36 | 21° 5 | 18°55 | 26°59 | 14°11 | 15° 6 | 14°26 | 17°58 | M23 |
| T 24 | 6 43 55 | 11°16'23 | 3♉17 | 18° 5 | 18°42 | 28°51 | 14°15 | 16°39 | 21° 7 | 18°55 | 26°59 | 14° 8 | 15° 3 | 14°33 | 17°58 | T 24 |
| W25 | 6 47 52 | 12°17'32 | 15° 7 | 19°12 | 19°58 | 28°30 | 14°29 | 16°41 | 21°10 | 18°54 | 26°58 | 14° 3 | 15° 0 | 14°40 | 17°58 | W25 |
| T 26 | 6 51 48 | 13°18'41 | 27° 1 | 20°21 | 21°13 | 28°10 | 14°42 | 16°44 | 21°13 | 18°53 | 26°57 | 13°55 | 14°57 | 14°46 | 17°59 | T 26 |
| F 27 | 6 55 45 | 14°19'49 | 9♊ 2 | 21°32 | 22°29 | 27°50 | 14°55 | 16°46 | 21°15 | 18°52 | 26°56 | 13°46 | 14°54 | 14°53 | 17°59 | F 27 |
| S 28 | 6 59 42 | 15°20'56 | 21°13 | 22°45 | 23°44 | 27°30 | 15° 9 | 16°48 | 21°18 | 18°51 | 26°56 | 13°35 | 14°50 | 15° 0 | 18° 0 | S 28 |
| S 29 | 7 3 38 | 16°22'03 | 3♋35 | 24° 0 | 24°59 | 27°11 | 15°22 | 16°50 | 21°20 | 18°50 | 26°55 | 13°23 | 14°47 | 15° 6 | 18° 0 | S 29 |
| M30 | 7 7 35 | 17°23'09 | 16°10 | 25°17 | 26°15 | 26°53 | 15°36 | 16°52 | 21°23 | 18°50 | 26°54 | 13°12 | 14°44 | 15°13 | 18° 1 | M30 |
| T 31 | 7 11 31 | 18♏24'15 | 28♋56 | 26♐34 | 27♏30 | 26♊36 | 15♒49 | 16♎54 | 21♏25 | 18♉49 | 26♉54 | 13♓ 3 | 14♓41 | 15♉20 | 18♈ 1 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s58 | 28n21 | 4n56 | 21s23 | 1n44 | 23s24 | 0s17 | 26n21 | 3n 4 | 18s45 | 0s50 | 3s50 | 2n23 | 17s31 | 0n17 | 15n53 | 1s49 | 7n31 | 12s26 | 5s28 | 5s26 | 19n32 | 7n35 | 0n29 |
| M 2 | 23 3 | 27 58 | 4 39 | 20 59 | 2 1 | 23 32 | 0 19 | 26 25 | 3 6 | 18 41 | 0 50 | 3 52 | 2 23 | 17 32 | 0 17 | 15 53 | 1 49 | 7 30 | 12 26 | 5 34 | 5 27 | 19 34 | 7 35 | 0 29 |
| T 3 | 23 8 | 26 11 | 4 9 | 20 35 | 2 17 | 23 39 | 0 22 | 26 29 | 3 9 | 18 38 | 0 50 | 3 53 | 2 24 | 17 33 | 0 17 | 15 52 | 1 49 | 7 30 | 12 26 | 5 38 | 5 29 | 19 37 | 7 34 | 0 29 |
| W 4 | 23 12 | 23 4 | 3 26 | 20 14 | 2 31 | 23 46 | 0 24 | 26 32 | 3 11 | 18 35 | 0 50 | 3 55 | 2 24 | 17 34 | 0 17 | 15 52 | 1 49 | 7 30 | 12 26 | 5 42 | 5 30 | 19 39 | 7 34 | 0 29 |
| T 5 | 23 16 | 18 47 | 2 33 | 19 54 | 2 42 | 23 51 | 0 26 | 26 36 | 3 13 | 18 32 | 0 50 | 3 56 | 2 24 | 17 34 | 0 17 | 15 52 | 1 49 | 7 30 | 12 25 | 5 44 | 5 31 | 19 42 | 7 33 | 0 29 |
| F 6 | 23 20 | 13 34 | 1 30 | 19 38 | 2 51 | 23 56 | 0 28 | 26 39 | 3 16 | 18 29 | 0 50 | 3 57 | 2 24 | 17 35 | 0 17 | 15 51 | 1 49 | 7 30 | 12 25 | 5 45 | 5 32 | 19 44 | 7 33 | 0 29 |
| S 7 | 23 23 | 7 38 | 0 21 | 19 24 | 2 57 | 24 0 | 0 31 | 26 42 | 3 18 | 18 25 | 0 50 | 3 59 | 2 25 | 17 36 | 0 17 | 15 51 | 1 49 | 7 30 | 12 25 | 5 46 | 5 34 | 19 47 | 7 33 | 0 29 |
| S 8 | 23 25 | 1 14 | 0s50 | 19 14 | 3 2 | 24 4 | 0 33 | 26 45 | 3 20 | 18 22 | 0 50 | 4 0 | 2 25 | 17 37 | 0 17 | 15 51 | 1 49 | 7 30 | 12 25 | 5 46 | 5 35 | 19 49 | 7 32 | 0 29 |
| M 9 | 23 28 | 5s22 | 2 1 | 19 7 | 3 4 | 24 6 | 0 35 | 26 48 | 3 22 | 18 19 | 0 50 | 4 1 | 2 25 | 17 38 | 0 17 | 15 50 | 1 49 | 7 30 | 12 25 | 5 46 | 5 36 | 19 52 | 7 32 | 0 29 |
| T 10 | 23 29 | 11 52 | 3 5 | 19 3 | 3 4 | 24 8 | 0 37 | 26 51 | 3 24 | 18 15 | 0 50 | 4 3 | 2 25 | 17 39 | 0 17 | 15 50 | 1 49 | 7 30 | 12 25 | 5 47 | 5 37 | 19 54 | 7 32 | 0 28 |
| W11 | 23 30 | 17 51 | 3 59 | 19 3 | 3 3 | 24 9 | 0 39 | 26 53 | 3 25 | 18 12 | 0 50 | 4 4 | 2 25 | 17 40 | 0 17 | 15 50 | 1 49 | 7 30 | 12 24 | 5 49 | 5 39 | 19 57 | 7 31 | 0 28 |
| T 12 | 23 31 | 22 54 | 4 38 | 19 5 | 3 0 | 24 10 | 0 42 | 26 55 | 3 27 | 18 8 | 0 50 | 4 5 | 2 26 | 17 40 | 0 17 | 15 49 | 1 48 | 7 30 | 12 24 | 5 51 | 5 40 | 20 0 | 7 31 | 0 28 |
| F 13 | 23 31 | 26 30 | 4 58 | 19 10 | 2 56 | 24 10 | 0 44 | 26 58 | 3 29 | 18 5 | 0 50 | 4 6 | 2 26 | 17 41 | 0 17 | 15 49 | 1 48 | 7 30 | 12 24 | 5 55 | 5 41 | 20 2 | 7 31 | 0 28 |
| S 14 | 23 31 | 28 15 | 4 58 | 19 17 | 2 50 | 24 8 | 0 46 | 27 0 | 3 30 | 18 1 | 0 50 | 4 7 | 2 26 | 17 42 | 0 17 | 15 49 | 1 48 | 7 30 | 12 24 | 6 0 | 5 42 | 20 5 | 7 30 | 0 28 |
| S 15 | 23 30 | 27 58 | 4 39 | 19 26 | 2 44 | 24 7 | 0 48 | 27 2 | 3 32 | 17 58 | 0 50 | 4 8 | 2 26 | 17 43 | 0 17 | 15 49 | 1 48 | 7 30 | 12 24 | 6 4 | 5 43 | 20 7 | 7 30 | 0 28 |
| M16 | 23 29 | 25 47 | 4 1 | 19 36 | 2 37 | 24 4 | 0 50 | 27 4 | 3 33 | 17 54 | 0 50 | 4 9 | 2 27 | 17 44 | 0 17 | 15 48 | 1 48 | 7 30 | 12 24 | 6 8 | 5 45 | 20 10 | 7 30 | 0 28 |
| T 17 | 23 27 | 22 1 | 3 10 | 19 48 | 2 30 | 24 1 | 0 52 | 27 5 | 3 34 | 17 50 | 0 50 | 4 10 | 2 27 | 17 45 | 0 17 | 15 48 | 1 48 | 7 30 | 12 23 | 6 11 | 5 46 | 20 12 | 7 30 | 0 28 |
| W18 | 23 25 | 17 11 | 2 9 | 20 1 | 2 22 | 23 57 | 0 54 | 27 6 | 3 36 | 17 47 | 0 50 | 4 11 | 2 27 | 17 45 | 0 17 | 15 48 | 1 48 | 7 30 | 12 23 | 6 13 | 5 47 | 20 15 | 7 30 | 0 28 |
| T 19 | 23 23 | 11 41 | 1 3 | 20 15 | 2 14 | 23 52 | 0 56 | 27 8 | 3 37 | 17 43 | 0 50 | 4 12 | 2 28 | 17 46 | 0 17 | 15 48 | 1 48 | 7 30 | 12 23 | 6 14 | 5 48 | 20 17 | 7 30 | 0 27 |
| F 20 | 23 19 | 5 51 | 0n 4 | 20 30 | 2 6 | 23 46 | 0 58 | 27 9 | 3 38 | 17 39 | 0 50 | 4 13 | 2 28 | 17 47 | 0 17 | 15 47 | 1 48 | 7 30 | 12 23 | 6 15 | 5 50 | 20 20 | 7 29 | 0 27 |
| S 21 | 23 16 | 0n 2 | 1 10 | 20 44 | 1 57 | 23 40 | 0 59 | 27 10 | 3 38 | 17 36 | 0 50 | 4 14 | 2 28 | 17 48 | 0 17 | 15 47 | 1 48 | 7 30 | 12 23 | 6 14 | 5 51 | 20 22 | 7 29 | 0 27 |
| S 22 | 23 12 | 5 47 | 2 11 | 20 59 | 1 48 | 23 33 | 1 1 | 27 10 | 3 39 | 17 32 | 0 50 | 4 15 | 2 28 | 17 48 | 0 17 | 15 47 | 1 48 | 7 30 | 12 22 | 6 14 | 5 52 | 20 24 | 7 29 | 0 27 |
| M23 | 23 7 | 11 15 | 3 5 | 21 14 | 1 39 | 23 25 | 1 3 | 27 11 | 3 40 | 17 28 | 0 50 | 4 16 | 2 29 | 17 49 | 0 17 | 15 47 | 1 48 | 7 30 | 12 22 | 6 15 | 5 53 | 20 27 | 7 29 | 0 27 |
| T 24 | 23 2 | 16 16 | 3 51 | 21 29 | 1 30 | 23 17 | 1 5 | 27 11 | 3 40 | 17 24 | 0 50 | 4 16 | 2 29 | 17 50 | 0 17 | 15 46 | 1 48 | 7 30 | 12 22 | 6 16 | 5 55 | 20 29 | 7 29 | 0 27 |
| W25 | 22 57 | 20 40 | 4 26 | 21 44 | 1 21 | 23 7 | 1 6 | 27 12 | 3 41 | 17 20 | 0 50 | 4 17 | 2 29 | 17 50 | 0 17 | 15 46 | 1 48 | 7 30 | 12 22 | 6 18 | 5 56 | 20 32 | 7 29 | 0 27 |
| T 26 | 22 51 | 24 16 | 4 51 | 21 58 | 1 12 | 22 57 | 1 8 | 27 12 | 3 41 | 17 16 | 0 50 | 4 18 | 2 29 | 17 51 | 0 17 | 15 46 | 1 48 | 7 30 | 12 21 | 6 21 | 5 57 | 20 34 | 7 29 | 0 27 |
| F 27 | 22 45 | 26 52 | 5 3 | 22 12 | 1 3 | 22 47 | 1 9 | 27 12 | 3 42 | 17 12 | 0 50 | 4 18 | 2 30 | 17 52 | 0 17 | 15 46 | 1 48 | 7 30 | 12 21 | 6 24 | 5 58 | 20 37 | 7 29 | 0 27 |
| S 28 | 22 38 | 28 14 | 5 1 | 22 25 | 0 54 | 22 36 | 1 11 | 27 12 | 3 42 | 17 8 | 0 50 | 4 19 | 2 30 | 17 52 | 0 17 | 15 46 | 1 48 | 7 30 | 12 21 | 6 29 | 5 59 | 20 39 | 7 29 | 0 26 |
| S 29 | 22 31 | 28 14 | 4 45 | 22 38 | 0 46 | 22 24 | 1 12 | 27 11 | 3 42 | 17 4 | 0 50 | 4 19 | 2 30 | 17 53 | 0 17 | 15 46 | 1 48 | 7 30 | 12 21 | 6 33 | 6 1 | 20 42 | 7 29 | 0 26 |
| M30 | 22 23 | 26 46 | 4 16 | 22 49 | 0 37 | 22 11 | 1 14 | 27 11 | 3 42 | 17 0 | 0 50 | 4 20 | 2 30 | 17 54 | 0 17 | 15 45 | 1 48 | 7 30 | 12 20 | 6 37 | 6 2 | 20 44 | 7 30 | 0 26 |
| T 31 | 22s15 | 23n55 | 3n33 | 23s 0 | 0n28 | 21s58 | 1s15 | 27n11 | 3n42 | 16s56 | 0s50 | 4s20 | 2n31 | 17s54 | 0n17 | 15n45 | 1s48 | 7n30 | 12s20 | 6s41 | 6s 3 | 20n46 | 7n30 | 0n26 |

Julian Day Number = 2229820.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'19, Lahiri = 15°23'19 Julian Calendar 1 Dec. 1392 == Greg. Calendar 9 Dec. 1392


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## JANUARY 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 15 28 | 19♉25'20 | 11♌55 | 27♐54 | 28♉45 | 26°R19 | 16♒ 3 | 16♎56 | 21♏28 | 18°R48 | 26°R53 | 12°R57 | 14♓38 | 15♉27 | 18♈ 2 | W 1 |
| T 2 | 7 19 24 | 20°26'25 | 25° 4 | 29°14 | 0♒ 1 | 26♊ 3 | 16°17 | 16°57 | 21°30 | 18♉48 | 26♉52 | 12♓53 | 14°34 | 15°33 | 18° 3 | T 2 |
| F 3 | 7 23 21 | 21°27'29 | 8♍24 | 0♉35 | 1°16 | 25°47 | 16°30 | 16°59 | 21°32 | 18°47 | 26°52 | 12°D51 | 14°31 | 15°40 | 18° 4 | F 3 |
| S 4 | 7 27 17 | 22°28'32 | 21°55 | 1°58 | 2°31 | 25°32 | 16°44 | 17° 0 | 21°35 | 18°47 | 26°51 | 12°51 | 14°28 | 15°47 | 18° 4 | S 4 |
| S 5 | 7 31 14 | 23°29'35 | 5♎37 | 3°21 | 3°46 | 25°18 | 16°58 | 17° 2 | 21°37 | 18°46 | 26°51 | 12°52 | 14°25 | 15°53 | 18° 5 | S 5 |
| M 6 | 7 35 11 | 24°30'37 | 19°31 | 4°46 | 5° 2 | 25° 5 | 17°12 | 17° 3 | 21°39 | 18°46 | 26°50 | 12°R53 | 14°22 | 16° 0 | 18° 6 | M 6 |
| T 7 | 7 39 7 | 25°31'39 | 3♏35 | 6°11 | 6°17 | 24°53 | 17°26 | 17° 4 | 21°41 | 18°45 | 26°50 | 12°53 | 14°19 | 16° 7 | 18° 7 | T 7 |
| W 8 | 7 43 4 | 26°32'41 | 17°50 | 7°38 | 7°32 | 24°41 | 17°40 | 17° 5 | 21°43 | 18°45 | 26°49 | 12°51 | 14°15 | 16°14 | 18° 8 | W 8 |
| T 9 | 7 47 0 | 27°33'42 | 2♐13 | 9° 5 | 8°47 | 24°30 | 17°54 | 17° 6 | 21°45 | 18°44 | 26°49 | 12°47 | 14°12 | 16°20 | 18°10 | T 9 |
| F 10 | 7 50 57 | 28°34'43 | 16°40 | 10°32 | 10° 3 | 24°20 | 18° 8 | 17° 7 | 21°47 | 18°44 | 26°48 | 12°41 | 14° 9 | 16°27 | 18°11 | F 10 |
| S 11 | 7 54 53 | 29°35'42 | 1♑ 7 | 12° 1 | 11°18 | 24°11 | 18°22 | 17° 7 | 21°49 | 18°44 | 26°48 | 12°34 | 14° 6 | 16°34 | 18°12 | S 11 |
| S 12 | 7 58 50 | 0♒36'41 | 15°27 | 13°31 | 12°33 | 24° 2 | 18°36 | 17° 8 | 21°51 | 18°43 | 26°47 | 12°27 | 14° 3 | 16°40 | 18°13 | S 12 |
| M13 | 8 2 47 | 1°37'39 | 29°34 | 15° 1 | 13°48 | 23°55 | 18°50 | 17° 8 | 21°53 | 18°43 | 26°47 | 12°21 | 14° 0 | 16°47 | 18°15 | M13 |
| T 14 | 8 6 43 | 2°38'36 | 13♒24 | 16°32 | 15° 3 | 23°48 | 19° 4 | 17° 9 | 21°55 | 18°43 | 26°46 | 12°16 | 13°56 | 16°54 | 18°16 | T 14 |
| W15 | 8 10 40 | 3°39'32 | 26°53 | 18° 3 | 16°18 | 23°42 | 19°18 | 17° 9 | 21°57 | 18°43 | 26°46 | 12°13 | 13°53 | 17° 1 | 18°18 | W15 |
| T 16 | 8 14 36 | 4°40'26 | 9♓59 | 19°36 | 17°34 | 23°37 | 19°33 | 17° 9 | 21°58 | 18°42 | 26°46 | 12°D11 | 13°50 | 17° 7 | 18°19 | T 16 |
| F 17 | 8 18 33 | 5°41'19 | 22°44 | 21° 9 | 18°49 | 23°32 | 19°47 | 17°R 9 | 22° 0 | 18°42 | 26°45 | 12°12 | 13°47 | 17°14 | 18°21 | F 17 |
| S 18 | 8 22 29 | 6°42'11 | 5♈ 9 | 22°43 | 20° 4 | 23°29 | 20° 1 | 17° 9 | 22° 2 | 18°42 | 26°45 | 12°13 | 13°44 | 17°21 | 18°23 | S 18 |
| S 19 | 8 26 26 | 7°43'01 | 17°19 | 24°17 | 21°19 | 23°26 | 20°15 | 17° 9 | 22° 3 | 18°42 | 26°45 | 12°15 | 13°40 | 17°27 | 18°24 | S 19 |
| M20 | 8 30 22 | 8°43'50 | 29°18 | 25°52 | 22°34 | 23°24 | 20°30 | 17° 9 | 22° 5 | 18°D42 | 26°44 | 12°17 | 13°37 | 17°34 | 18°26 | M20 |
| T 21 | 8 34 19 | 9°44'37 | 11♉11 | 27°29 | 23°49 | 23°23 | 20°44 | 17° 9 | 22° 6 | 18°42 | 26°44 | 12°R17 | 13°34 | 17°41 | 18°28 | T 21 |
| W22 | 8 38 16 | 10°45'22 | 23° 2 | 29° 5 | 25° 4 | 23°D22 | 20°58 | 17° 8 | 22° 8 | 18°42 | 26°44 | 12°16 | 13°31 | 17°47 | 18°30 | W22 |
| T 23 | 8 42 12 | 11°46'07 | 4♊57 | 0♒43 | 26°19 | 23°23 | 21°13 | 17° 7 | 22° 9 | 18°42 | 26°44 | 12°14 | 13°28 | 17°54 | 18°32 | T 23 |
| F 24 | 8 46 9 | 12°46'49 | 17° 0 | 2°22 | 27°34 | 23°24 | 21°27 | 17° 7 | 22°10 | 18°42 | 26°44 | 12°10 | 13°25 | 18° 1 | 18°34 | F 24 |
| S 25 | 8 50 5 | 13°47'30 | 29°16 | 4° 1 | 28°49 | 23°26 | 21°41 | 17° 6 | 22°12 | 18°42 | 26°43 | 12° 6 | 13°21 | 18° 8 | 18°36 | S 25 |
| S 26 | 8 54 2 | 14°48'09 | 11♋45 | 5°41 | 0♓ 4 | 23°28 | 21°56 | 17° 5 | 22°13 | 18°43 | 26°43 | 12° 1 | 13°18 | 18°14 | 18°38 | S 26 |
| M27 | 8 57 58 | 15°48'47 | 24°31 | 7°22 | 1°19 | 23°31 | 22°10 | 17° 4 | 22°14 | 18°43 | 26°43 | 11°56 | 13°15 | 18°21 | 18°40 | M27 |
| T 28 | 9 1 55 | 16°49'23 | 7♌35 | 9° 4 | 2°34 | 23°35 | 22°25 | 17° 3 | 22°15 | 18°43 | 26°43 | 11°53 | 13°12 | 18°28 | 18°42 | T 28 |
| W29 | 9 5 51 | 17°49'58 | 20°54 | 10°46 | 3°48 | 23°40 | 22°39 | 17° 2 | 22°16 | 18°43 | 26°43 | 11°50 | 13° 9 | 18°34 | 18°44 | W29 |
| T 30 | 9 9 48 | 18°50'31 | 4♍29 | 12°30 | 5° 3 | 23°45 | 22°53 | 17° 1 | 22°17 | 18°44 | 26°43 | 11°49 | 13° 6 | 18°41 | 18°46 | T 30 |
| F 31 | 9 13 45 | 19♒51'02 | 18♍16 | 14♒14 | 6♓18 | 23♊51 | 23♒ 8 | 16♎59 | 22♏18 | 18♉44 | 26♉43 | 11°D49 | 13♓ 2 | 18♉48 | 18♈49 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s 7 | 19n48 | 2n38 | 23s10 | 0n20 | 21s44 | 1s16 | 27n10 | 3n42 | 16s52 | 0s50 | 4s21 | 2n31 | 17s55 | 0n17 | 15n45 | 1s47 | 7n31 | 12s20 | 6s43 | 6s 4 | 20n49 | 7n30 | 0n26 |
| T 2 | 21 58 | 14 41 | 1 34 | 23 19 | 0 12 | 21 29 | 1 18 | 27 9 | 3 42 | 16 48 | 0 50 | 4 21 | 2 31 | 17 56 | 0 17 | 15 45 | 1 47 | 7 31 | 12 20 | 6 45 | 6 6 | 20 51 | 7 30 | 0 26 |
| F 3 | 21 48 | 8 49 | 0 24 | 23 28 | 0 3 | 21 14 | 1 19 | 27 9 | 3 42 | 16 44 | 0 50 | 4 22 | 2 32 | 17 56 | 0 17 | 15 45 | 1 47 | 7 31 | 12 20 | 6 45 | 6 7 | 20 54 | 7 30 | 0 26 |
| S 4 | 21 38 | 2 28 | 0s49 | 23 35 | 0s 4 | 20 58 | 1 20 | 27 8 | 3 41 | 16 40 | 0 50 | 4 22 | 2 32 | 17 57 | 0 17 | 15 45 | 1 47 | 7 31 | 12 19 | 6 45 | 6 8 | 20 56 | 7 31 | 0 26 |
| S 5 | 21 28 | 4s 4 | 1 59 | 23 41 | 0 12 | 20 41 | 1 21 | 27 7 | 3 41 | 16 36 | 0 50 | 4 22 | 2 32 | 17 57 | 0 17 | 15 45 | 1 47 | 7 31 | 12 19 | 6 45 | 6 9 | 20 59 | 7 31 | 0 26 |
| M 6 | 21 18 | 10 30 | 3 4 | 23 46 | 0 20 | 20 24 | 1 22 | 27 6 | 3 40 | 16 32 | 0 50 | 4 22 | 2 32 | 17 58 | 0 17 | 15 45 | 1 47 | 7 31 | 12 19 | 6 45 | 6 11 | 21 1 | 7 31 | 0 26 |
| T 7 | 21 6 | 16 30 | 3 59 | 23 50 | 0 27 | 20 6 | 1 23 | 27 5 | 3 40 | 16 27 | 0 50 | 4 23 | 2 33 | 17 59 | 0 17 | 15 45 | 1 47 | 7 31 | 12 18 | 6 45 | 6 12 | 21 3 | 7 31 | 0 25 |
| W 8 | 20 55 | 21 40 | 4 40 | 23 52 | 0 34 | 19 48 | 1 24 | 27 4 | 3 39 | 16 23 | 0 50 | 4 23 | 2 33 | 17 59 | 0 17 | 15 45 | 1 47 | 7 31 | 12 18 | 6 45 | 6 13 | 21 6 | 7 32 | 0 25 |
| T 9 | 20 43 | 25 37 | 5 3 | 23 54 | 0 41 | 19 29 | 1 25 | 27 3 | 3 39 | 16 19 | 0 50 | 4 23 | 2 33 | 18 0 | 0 17 | 15 45 | 1 47 | 7 32 | 12 18 | 6 47 | 6 14 | 21 8 | 7 32 | 0 25 |
| F 10 | 20 31 | 27 57 | 5 7 | 23 54 | 0 48 | 19 10 | 1 26 | 27 2 | 3 38 | 16 14 | 0 50 | 4 23 | 2 34 | 18 0 | 0 17 | 15 44 | 1 47 | 7 32 | 12 18 | 6 49 | 6 15 | 21 10 | 7 32 | 0 25 |
| S 11 | 20 18 | 28 23 | 4 52 | 23 53 | 0 55 | 18 50 | 1 26 | 27 0 | 3 37 | 16 10 | 0 50 | 4 23 | 2 34 | 18 1 | 0 17 | 15 44 | 1 47 | 7 32 | 12 17 | 6 52 | 6 17 | 21 13 | 7 33 | 0 25 |
| S 12 | 20 5 | 26 55 | 4 19 | 23 51 | 1 1 | 18 29 | 1 27 | 26 59 | 3 36 | 16 6 | 0 50 | 4 23 | 2 34 | 18 1 | 0 17 | 15 44 | 1 47 | 7 32 | 12 17 | 6 55 | 6 18 | 21 15 | 7 33 | 0 25 |
| M13 | 19 52 | 23 44 | 3 30 | 23 47 | 1 7 | 18 8 | 1 28 | 26 58 | 3 36 | 16 1 | 0 50 | 4 23 | 2 34 | 18 2 | 0 17 | 15 44 | 1 47 | 7 32 | 12 17 | 6 57 | 6 19 | 21 17 | 7 34 | 0 25 |
| T 14 | 19 38 | 19 15 | 2 30 | 23 42 | 1 13 | 17 47 | 1 28 | 26 57 | 3 35 | 15 57 | 0 50 | 4 23 | 2 35 | 18 2 | 0 17 | 15 44 | 1 47 | 7 32 | 12 17 | 6 59 | 6 20 | 21 20 | 7 34 | 0 25 |
| W15 | 19 24 | 13 53 | 1 22 | 23 36 | 1 18 | 17 25 | 1 29 | 26 56 | 3 34 | 15 53 | 0 50 | 4 22 | 2 35 | 18 3 | 0 17 | 15 44 | 1 47 | 7 33 | 12 16 | 7 0 | 6 22 | 21 22 | 7 35 | 0 25 |
| T 16 | 19 10 | 8 2 | 0 12 | 23 28 | 1 24 | 17 2 | 1 29 | 26 55 | 3 33 | 15 48 | 0 50 | 4 22 | 2 35 | 18 3 | 0 17 | 15 44 | 1 47 | 7 33 | 12 16 | 7 1 | 6 23 | 21 24 | 7 35 | 0 25 |
| F 17 | 18 55 | 2 1 | 0n57 | 23 19 | 1 29 | 16 39 | 1 29 | 26 53 | 3 32 | 15 44 | 0 50 | 4 22 | 2 35 | 18 3 | 0 17 | 15 44 | 1 46 | 7 33 | 12 16 | 7 0 | 6 24 | 21 27 | 7 36 | 0 24 |
| S 18 | 18 40 | 3n55 | 2 2 | 23 8 | 1 33 | 16 16 | 1 30 | 26 52 | 3 31 | 15 39 | 0 50 | 4 22 | 2 36 | 18 4 | 0 17 | 15 45 | 1 46 | 7 33 | 12 16 | 7 0 | 6 25 | 21 29 | 7 36 | 0 24 |
| S 19 | 18 24 | 9 35 | 3 0 | 22 56 | 1 38 | 15 52 | 1 30 | 26 51 | 3 30 | 15 35 | 0 50 | 4 21 | 2 36 | 18 4 | 0 17 | 15 45 | 1 46 | 7 33 | 12 15 | 6 59 | 6 26 | 21 31 | 7 37 | 0 24 |
| M20 | 18 8 | 14 50 | 3 49 | 22 43 | 1 42 | 15 27 | 1 30 | 26 50 | 3 29 | 15 30 | 0 50 | 4 21 | 2 36 | 18 5 | 0 17 | 15 45 | 1 46 | 7 34 | 12 15 | 6 59 | 6 28 | 21 34 | 7 37 | 0 24 |
| T 21 | 17 52 | 19 28 | 4 28 | 22 28 | 1 46 | 15 2 | 1 30 | 26 49 | 3 28 | 15 26 | 0 50 | 4 21 | 2 37 | 18 5 | 0 17 | 15 45 | 1 46 | 7 34 | 12 15 | 6 59 | 6 29 | 21 36 | 7 38 | 0 24 |
| W22 | 17 36 | 23 21 | 4 55 | 22 12 | 1 49 | 14 37 | 1 30 | 26 48 | 3 27 | 15 21 | 0 50 | 4 20 | 2 37 | 18 5 | 0 17 | 15 45 | 1 46 | 7 34 | 12 14 | 6 59 | 6 30 | 21 38 | 7 38 | 0 24 |
| T 23 | 17 19 | 26 16 | 5 10 | 21 54 | 1 53 | 14 12 | 1 30 | 26 46 | 3 25 | 15 16 | 0 50 | 4 20 | 2 37 | 18 6 | 0 17 | 15 45 | 1 46 | 7 34 | 12 14 | 7 0 | 6 31 | 21 41 | 7 39 | 0 24 |
| F 24 | 17 2 | 28 3 | 5 11 | 21 34 | 1 55 | 13 46 | 1 30 | 26 45 | 3 24 | 15 12 | 0 51 | 4 19 | 2 37 | 18 6 | 0 17 | 15 45 | 1 46 | 7 35 | 12 14 | 7 1 | 6 33 | 21 43 | 7 40 | 0 24 |
| S 25 | 16 45 | 28 30 | 4 59 | 21 14 | 1 58 | 13 19 | 1 30 | 26 44 | 3 23 | 15 7 | 0 51 | 4 19 | 2 38 | 18 6 | 0 17 | 15 45 | 1 46 | 7 35 | 12 14 | 7 3 | 6 34 | 21 45 | 7 40 | 0 24 |
| S 26 | 16 27 | 27 31 | 4 32 | 20 51 | 2 0 | 12 53 | 1 29 | 26 43 | 3 22 | 15 3 | 0 51 | 4 18 | 2 38 | 18 7 | 0 17 | 15 45 | 1 46 | 7 35 | 12 13 | 7 5 | 6 35 | 21 48 | 7 41 | 0 23 |
| M27 | 16 9 | 25 4 | 3 51 | 20 27 | 2 2 | 12 26 | 1 29 | 26 42 | 3 21 | 14 58 | 0 51 | 4 18 | 2 38 | 18 7 | 0 17 | 15 45 | 1 46 | 7 35 | 12 13 | 7 6 | 6 36 | 21 50 | 7 42 | 0 23 |
| T 28 | 15 51 | 21 17 | 2 57 | 20 2 | 2 3 | 11 58 | 1 29 | 26 41 | 3 20 | 14 53 | 0 51 | 4 17 | 2 38 | 18 7 | 0 17 | 15 45 | 1 46 | 7 36 | 12 13 | 7 8 | 6 37 | 21 52 | 7 43 | 0 23 |
| W29 | 15 32 | 16 21 | 1 52 | 19 35 | 2 4 | 11 31 | 1 28 | 26 40 | 3 18 | 14 49 | 0 51 | 4 16 | 2 39 | 18 7 | 0 17 | 15 46 | 1 46 | 7 36 | 12 12 | 7 9 | 6 39 | 21 54 | 7 43 | 0 23 |
| T 30 | 15 14 | 10 31 | 0 40 | 19 7 | 2 5 | 11 3 | 1 28 | 26 39 | 3 17 | 14 44 | 0 51 | 4 15 | 2 39 | 18 8 | 0 17 | 15 46 | 1 46 | 7 36 | 12 12 | 7 9 | 6 40 | 21 57 | 7 44 | 0 23 |
| F 31 | 14s55 | 4n 7 | 0s35 | 18s36 | 2s 5 | 10s35 | 1s27 | 26n38 | 3n16 | 14s39 | 0s51 | 4s15 | 2n39 | 18s 8 | 0n17 | 15n46 | 1s46 | 7n36 | 12s12 | 7s 9 | 6s41 | 21n59 | 7n45 | 0n23 |

Julian Day Number = 2229851.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'23, Lahiri = 15°23'23 Julian Calendar 1 Jan. 1393 == Greg. Calendar 9 Jan. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## FEBRUARY 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 17 41 | 20♒51'32 | 2♎13 | 16♒ 0 | 7♓33 | 23♊58 | 23♒22 | 16°R58 | 22♏19 | 18♉44 | 26°D43 | 11♓50 | 12♓59 | 18♉55 | 18♈51 | S 1 |
| S 2 | 9 21 38 | 21°52'01 | 16°17 | 17°46 | 8°47 | 24° 5 | 23°37 | 16♎56 | 22°20 | 18°45 | 26♉43 | 11°51 | 12°56 | 19° 1 | 18°53 | S 2 |
| M 3 | 9 25 34 | 22°52'28 | 0♏26 | 19°33 | 10° 2 | 24°13 | 23°51 | 16°54 | 22°20 | 18°45 | 26°43 | 11°52 | 12°53 | 19° 8 | 18°56 | M 3 |
| T 4 | 9 29 31 | 23°52'54 | 14°37 | 21°21 | 11°17 | 24°21 | 24° 6 | 16°53 | 22°21 | 18°46 | 26°43 | 11°53 | 12°50 | 19°15 | 18°58 | T 4 |
| W 5 | 9 33 27 | 24°53'19 | 28°48 | 23°11 | 12°32 | 24°30 | 24°20 | 16°51 | 22°22 | 18°46 | 26°43 | 11°R53 | 12°46 | 19°21 | 19° 1 | W 5 |
| T 6 | 9 37 24 | 25°53'42 | 12♐58 | 25° 1 | 13°46 | 24°40 | 24°35 | 16°49 | 22°22 | 18°47 | 26°43 | 11°53 | 12°43 | 19°28 | 19° 4 | T 6 |
| F 7 | 9 41 20 | 26°54'04 | 27° 3 | 26°51 | 15° 1 | 24°50 | 24°49 | 16°47 | 22°23 | 18°48 | 26°43 | 11°51 | 12°40 | 19°35 | 19° 6 | F 7 |
| S 8 | 9 45 17 | 27°54'25 | 11♑ 2 | 28°43 | 16°15 | 25° 1 | 25° 3 | 16°45 | 22°24 | 18°48 | 26°44 | 11°50 | 12°37 | 19°42 | 19° 9 | S 8 |
| S 9 | 9 49 14 | 28°54'44 | 24°52 | 0♓36 | 17°30 | 25°12 | 25°18 | 16°42 | 22°24 | 18°49 | 26°44 | 11°48 | 12°34 | 19°48 | 19°12 | S 9 |
| M10 | 9 53 10 | 29°55'01 | 8♒31 | 2°29 | 18°45 | 25°24 | 25°32 | 16°40 | 22°24 | 18°50 | 26°44 | 11°46 | 12°31 | 19°55 | 19°14 | M10 |
| T 11 | 9 57 7 | 0♓55'17 | 21°55 | 4°23 | 19°59 | 25°37 | 25°47 | 16°37 | 22°25 | 18°50 | 26°44 | 11°45 | 12°27 | 20° 2 | 19°17 | T 11 |
| W12 | 10 1 3 | 1°55'31 | 5♓ 4 | 6°18 | 21°14 | 25°50 | 26° 1 | 16°35 | 22°25 | 18°51 | 26°44 | 11°44 | 12°24 | 20° 8 | 19°20 | W12 |
| T 13 | 10 5 0 | 2°55'43 | 17°57 | 8°13 | 22°28 | 26° 3 | 26°16 | 16°32 | 22°25 | 18°52 | 26°45 | 11°D44 | 12°21 | 20°15 | 19°23 | T 13 |
| F 14 | 10 8 56 | 3°55'53 | 0♈34 | 10° 9 | 23°42 | 26°17 | 26°30 | 16°30 | 22°25 | 18°53 | 26°45 | 11°45 | 12°18 | 20°22 | 19°26 | F 14 |
| S 15 | 10 12 53 | 4°56'01 | 12°56 | 12° 4 | 24°57 | 26°32 | 26°44 | 16°27 | 22°26 | 18°54 | 26°45 | 11°46 | 12°15 | 20°29 | 19°29 | S 15 |
| S 16 | 10 16 49 | 5°56'07 | 25° 6 | 14° 0 | 26°11 | 26°47 | 26°59 | 16°24 | 22°26 | 18°54 | 26°45 | 11°46 | 12°12 | 20°35 | 19°32 | S 16 |
| M17 | 10 20 46 | 6°56'11 | 7♉ 5 | 15°56 | 27°26 | 27° 2 | 27°13 | 16°21 | 22°R26 | 18°55 | 26°46 | 11°47 | 12° 8 | 20°42 | 19°35 | M17 |
| T 18 | 10 24 42 | 7°56'12 | 18°59 | 17°51 | 28°40 | 27°18 | 27°28 | 16°18 | 22°26 | 18°56 | 26°46 | 11°47 | 12° 5 | 20°49 | 19°38 | T 18 |
| W19 | 10 28 39 | 8°56'12 | 0♊51 | 19°46 | 29°54 | 27°35 | 27°42 | 16°15 | 22°25 | 18°57 | 26°47 | 11°47 | 12° 2 | 20°55 | 19°41 | W19 |
| T 20 | 10 32 36 | 9°56'09 | 12°46 | 21°39 | 1♈ 8 | 27°51 | 27°56 | 16°12 | 22°25 | 18°58 | 26°47 | 11°R47 | 11°59 | 21° 2 | 19°44 | T 20 |
| F 21 | 10 36 32 | 10°56'05 | 24°48 | 23°31 | 2°23 | 28° 9 | 28°10 | 16° 8 | 22°25 | 18°59 | 26°47 | 11°47 | 11°56 | 21° 9 | 19°47 | F 21 |
| S 22 | 10 40 29 | 11°55'58 | 7♋ 3 | 25°21 | 3°37 | 28°26 | 28°25 | 16° 5 | 22°25 | 19° 0 | 26°48 | 11°D47 | 11°52 | 21°16 | 19°50 | S 22 |
| S 23 | 10 44 25 | 12°55'49 | 19°34 | 27° 9 | 4°51 | 28°44 | 28°39 | 16° 2 | 22°25 | 19° 2 | 26°48 | 11°47 | 11°49 | 21°22 | 19°53 | S 23 |
| M24 | 10 48 22 | 13°55'37 | 2♌25 | 28°55 | 6° 5 | 29° 3 | 28°53 | 15°58 | 22°24 | 19° 3 | 26°49 | 11°48 | 11°46 | 21°29 | 19°57 | M24 |
| T 25 | 10 52 18 | 14°55'24 | 15°37 | 0♈37 | 7°19 | 29°22 | 29° 7 | 15°55 | 22°24 | 19° 4 | 26°49 | 11°48 | 11°43 | 21°36 | 20° 0 | T 25 |
| W26 | 10 56 15 | 15°55'08 | 29°11 | 2°15 | 8°33 | 29°41 | 29°22 | 15°51 | 22°23 | 19° 5 | 26°50 | 11°48 | 11°40 | 21°42 | 20° 3 | W26 |
| T 27 | 11 0 12 | 16°54'50 | 13♍ 5 | 3°49 | 9°47 | 0♋ 0 | 29°36 | 15°47 | 22°23 | 19° 6 | 26°50 | 11°R48 | 11°37 | 21°49 | 20° 6 | T 27 |
| F 28 | 11 4 8 | 17♓54'30 | 27♍18 | 5♈19 | 11♈ 1 | 0♋20 | 29♒50 | 15♎43 | 22♏22 | 19♉ 8 | 26♉51 | 11♓48 | 11♓33 | 21♉56 | 20♈10 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s35 | 2s34 | 1s50 | 18s 5 | 2s 5 | 10s 6 | 1s26 | 26n37 | 3n15 | 14s35 | 0s51 | 4s14 | 2n39 | 18s 8 | 0n17 | 15n46 | 1s45 | 7n37 | 12s11 | 7s 9 | 6s42 | 22n 1 | 7n46 | 0n23 |
| S 2 | 14 16 | 9 10 | 2 59 | 17 32 | 2 4 | 9 37 | 1 25 | 26 37 | 3 13 | 14 30 | 0 51 | 4 13 | 2 40 | 18 8 | 0 17 | 15 46 | 1 45 | 7 37 | 12 11 | 7 9 | 6 44 | 22 3 | 7 47 | 0 23 |
| M 3 | 13 56 | 15 21 | 3 57 | 16 57 | 2 3 | 9 8 | 1 25 | 26 36 | 3 12 | 14 25 | 0 51 | 4 12 | 2 40 | 18 9 | 0 17 | 15 46 | 1 45 | 7 37 | 12 11 | 7 8 | 6 45 | 22 6 | 7 47 | 0 23 |
| T 4 | 13 36 | 20 44 | 4 41 | 16 21 | 2 1 | 8 39 | 1 24 | 26 35 | 3 11 | 14 20 | 0 51 | 4 11 | 2 40 | 18 9 | 0 17 | 15 47 | 1 45 | 7 38 | 12 11 | 7 8 | 6 46 | 22 8 | 7 48 | 0 23 |
| W 5 | 13 16 | 24 57 | 5 7 | 15 43 | 1 59 | 8 9 | 1 23 | 26 34 | 3 10 | 14 16 | 0 51 | 4 10 | 2 40 | 18 9 | 0 17 | 15 47 | 1 45 | 7 38 | 12 10 | 7 8 | 6 47 | 22 10 | 7 49 | 0 23 |
| T 6 | 12 56 | 27 39 | 5 16 | 15 4 | 1 57 | 7 40 | 1 22 | 26 33 | 3 8 | 14 11 | 0 51 | 4 9 | 2 41 | 18 9 | 0 17 | 15 47 | 1 45 | 7 38 | 12 10 | 7 8 | 6 48 | 22 12 | 7 50 | 0 22 |
| F 7 | 12 35 | 28 34 | 5 5 | 14 23 | 1 53 | 7 10 | 1 21 | 26 32 | 3 7 | 14 6 | 0 51 | 4 8 | 2 41 | 18 9 | 0 17 | 15 47 | 1 45 | 7 39 | 12 10 | 7 8 | 6 50 | 22 14 | 7 51 | 0 22 |
| S 8 | 12 14 | 27 38 | 4 36 | 13 40 | 1 50 | 6 40 | 1 20 | 26 31 | 3 6 | 14 1 | 0 51 | 4 7 | 2 41 | 18 9 | 0 17 | 15 47 | 1 45 | 7 39 | 12 9 | 7 9 | 6 51 | 22 17 | 7 52 | 0 22 |
| S 9 | 11 54 | 25 1 | 3 51 | 12 57 | 1 45 | 6 10 | 1 18 | 26 31 | 3 5 | 13 56 | 0 51 | 4 6 | 2 41 | 18 9 | 0 17 | 15 48 | 1 45 | 7 39 | 12 9 | 7 10 | 6 52 | 22 19 | 7 53 | 0 22 |
| M10 | 11 32 | 20 59 | 2 54 | 12 11 | 1 41 | 5 39 | 1 17 | 26 30 | 3 3 | 13 52 | 0 52 | 4 5 | 2 42 | 18 9 | 0 17 | 15 48 | 1 45 | 7 39 | 12 9 | 7 10 | 6 53 | 22 21 | 7 54 | 0 22 |
| T 11 | 11 11 | 15 57 | 1 48 | 11 25 | 1 35 | 5 9 | 1 16 | 26 29 | 3 2 | 13 47 | 0 52 | 4 4 | 2 42 | 18 10 | 0 17 | 15 48 | 1 45 | 7 40 | 12 9 | 7 11 | 6 55 | 22 23 | 7 55 | 0 22 |
| W12 | 10 50 | 10 15 | 0 37 | 10 37 | 1 29 | 4 38 | 1 15 | 26 28 | 3 1 | 13 42 | 0 52 | 4 3 | 2 42 | 18 10 | 0 17 | 15 49 | 1 45 | 7 40 | 12 8 | 7 11 | 6 56 | 22 25 | 7 56 | 0 22 |
| T 13 | 10 28 | 4 15 | 0n34 | 9 48 | 1 23 | 4 7 | 1 13 | 26 27 | 3 0 | 13 37 | 0 52 | 4 1 | 2 42 | 18 10 | 0 17 | 15 49 | 1 45 | 7 40 | 12 8 | 7 11 | 6 57 | 22 27 | 7 57 | 0 22 |
| F 14 | 10 6 | 1n48 | 1 42 | 8 57 | 1 15 | 3 36 | 1 12 | 26 27 | 2 58 | 13 32 | 0 52 | 4 0 | 2 43 | 18 10 | 0 17 | 15 49 | 1 45 | 7 41 | 12 8 | 7 11 | 6 58 | 22 30 | 7 58 | 0 22 |
| S 15 | 9 44 | 7 39 | 2 44 | 8 6 | 1 8 | 3 5 | 1 10 | 26 26 | 2 57 | 13 27 | 0 52 | 3 59 | 2 43 | 18 10 | 0 17 | 15 49 | 1 45 | 7 41 | 12 7 | 7 11 | 6 59 | 22 32 | 7 59 | 0 22 |
| S 16 | 9 22 | 13 7 | 3 38 | 7 13 | 0 59 | 2 34 | 1 8 | 26 25 | 2 56 | 13 22 | 0 52 | 3 58 | 2 43 | 18 10 | 0 17 | 15 50 | 1 45 | 7 42 | 12 7 | 7 10 | 7 1 | 22 34 | 8 0 | 0 21 |
| M17 | 9 0 | 18 2 | 4 21 | 6 20 | 0 50 | 2 3 | 1 7 | 26 24 | 2 55 | 13 18 | 0 52 | 3 56 | 2 43 | 18 10 | 0 17 | 15 50 | 1 44 | 7 42 | 12 7 | 7 10 | 7 2 | 22 36 | 8 1 | 0 21 |
| T 18 | 8 37 | 22 12 | 4 52 | 5 26 | 0 40 | 1 31 | 1 5 | 26 23 | 2 54 | 13 13 | 0 52 | 3 55 | 2 43 | 18 10 | 0 17 | 15 50 | 1 44 | 7 42 | 12 7 | 7 10 | 7 3 | 22 38 | 8 2 | 0 21 |
| W19 | 8 15 | 25 28 | 5 11 | 4 32 | 0 30 | 1 0 | 1 3 | 26 22 | 2 52 | 13 8 | 0 52 | 3 54 | 2 44 | 18 10 | 0 17 | 15 51 | 1 44 | 7 43 | 12 6 | 7 10 | 7 4 | 22 40 | 8 3 | 0 21 |
| T 20 | 7 52 | 27 39 | 5 17 | 3 37 | 0 19 | 0 29 | 1 1 | 26 21 | 2 51 | 13 3 | 0 52 | 3 52 | 2 44 | 18 10 | 0 17 | 15 51 | 1 44 | 7 43 | 12 6 | 7 10 | 7 5 | 22 43 | 8 4 | 0 21 |
| F 21 | 7 29 | 28 34 | 5 9 | 2 42 | 0 8 | 0n 2 | 0 59 | 26 20 | 2 50 | 12 58 | 0 52 | 3 51 | 2 44 | 18 10 | 0 17 | 15 51 | 1 44 | 7 43 | 12 6 | 7 10 | 7 7 | 22 45 | 8 5 | 0 21 |
| S 22 | 7 7 | 28 6 | 4 47 | 1 48 | 0n 3 | 0 34 | 0 57 | 26 19 | 2 49 | 12 53 | 0 53 | 3 49 | 2 44 | 18 10 | 0 17 | 15 52 | 1 44 | 7 44 | 12 5 | 7 10 | 7 8 | 22 47 | 8 6 | 0 21 |
| S 23 | 6 44 | 26 13 | 4 11 | 0 54 | 0 16 | 1 5 | 0 55 | 26 18 | 2 48 | 12 48 | 0 53 | 3 48 | 2 44 | 18 9 | 0 17 | 15 52 | 1 44 | 7 44 | 12 5 | 7 10 | 7 9 | 22 49 | 8 7 | 0 21 |
| M24 | 6 21 | 22 57 | 3 22 | 0 0 | 0 28 | 1 36 | 0 53 | 26 17 | 2 46 | 12 43 | 0 53 | 3 46 | 2 45 | 18 9 | 0 17 | 15 52 | 1 44 | 7 44 | 12 5 | 7 10 | 7 10 | 22 51 | 8 9 | 0 21 |
| T 25 | 5 58 | 18 26 | 2 20 | 0n52 | 0 41 | 2 8 | 0 51 | 26 16 | 2 45 | 12 39 | 0 53 | 3 45 | 2 45 | 18 9 | 0 17 | 15 53 | 1 44 | 7 45 | 12 5 | 7 10 | 7 12 | 22 53 | 8 10 | 0 21 |
| W26 | 5 34 | 12 53 | 1 9 | 1 43 | 0 54 | 2 39 | 0 49 | 26 15 | 2 44 | 12 34 | 0 53 | 3 43 | 2 45 | 18 9 | 0 17 | 15 53 | 1 44 | 7 45 | 12 4 | 7 10 | 7 13 | 22 55 | 8 11 | 0 21 |
| T 27 | 5 11 | 6 33 | 0s 7 | 2 33 | 1 7 | 3 10 | 0 47 | 26 14 | 2 43 | 12 29 | 0 53 | 3 42 | 2 45 | 18 9 | 0 17 | 15 54 | 1 44 | 7 46 | 12 4 | 7 10 | 7 14 | 22 57 | 8 12 | 0 21 |
| F 28 | 4s48 | 0s13 | 1s25 | 3n20 | 1n20 | 3n41 | 0s45 | 26n13 | 2n42 | 12s24 | 0s53 | 3s40 | 2n45 | 18s 9 | 0n17 | 15n54 | 1s44 | 7n46 | 12s 4 | 7s10 | 7s15 | 22n59 | 8n13 | 0n20 |

Julian Day Number = 2229882.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'27, Lahiri = 15°23'28 Julian Calendar 1 Feb. 1393 == Greg. Calendar 9 Feb. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## MARCH 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 8 5 | 18♓54'08 | 11♎44 | 6♈43 | 12♈15 | 0♋40 | 0♓ 4 | 15°R40 | 22°R22 | 19♉ 9 | 26♉52 | 11°R48 | 11♓30 | 22♉ 3 | 20♈13 | S 1 |
| S 2 | 11 12 1 | 19°53'44 | 26°18 | 8° 2 | 13°28 | 1° 1 | 0°18 | 15♎36 | 22♏21 | 19°10 | 26°52 | 11♓47 | 11°27 | 22° 9 | 20°17 | S 2 |
| M 3 | 11 15 58 | 20°53'18 | 10♏52 | 9°14 | 14°42 | 1°22 | 0°32 | 15°32 | 22°20 | 19°12 | 26°53 | 11°46 | 11°24 | 22°16 | 20°20 | M 3 |
| T 4 | 11 19 54 | 21°52'51 | 25°23 | 10°21 | 15°56 | 1°43 | 0°46 | 15°28 | 22°19 | 19°13 | 26°53 | 11°45 | 11°21 | 22°23 | 20°24 | T 4 |
| W 5 | 11 23 51 | 22°52'22 | 9♐45 | 11°20 | 17°10 | 2° 5 | 1° 0 | 15°24 | 22°19 | 19°14 | 26°54 | 11°44 | 11°17 | 22°29 | 20°27 | W 5 |
| T 6 | 11 27 47 | 23°51'51 | 23°55 | 12°13 | 18°23 | 2°27 | 1°14 | 15°20 | 22°18 | 19°16 | 26°55 | 11°D44 | 11°14 | 22°36 | 20°31 | T 6 |
| F 7 | 11 31 44 | 24°51'18 | 7♑51 | 12°59 | 19°37 | 2°49 | 1°28 | 15°16 | 22°17 | 19°17 | 26°56 | 11°44 | 11°11 | 22°43 | 20°34 | F 7 |
| S 8 | 11 35 40 | 25°50'44 | 21°33 | 13°37 | 20°50 | 3°12 | 1°42 | 15°11 | 22°16 | 19°19 | 26°56 | 11°45 | 11° 8 | 22°50 | 20°38 | S 8 |
| S 9 | 11 39 37 | 26°50'08 | 4♒59 | 14° 7 | 22° 4 | 3°34 | 1°55 | 15° 7 | 22°15 | 19°20 | 26°57 | 11°46 | 11° 5 | 22°56 | 20°41 | S 9 |
| M10 | 11 43 34 | 27°49'29 | 18°12 | 14°30 | 23°17 | 3°57 | 2° 9 | 15° 3 | 22°14 | 19°22 | 26°58 | 11°47 | 11° 2 | 23° 3 | 20°45 | M10 |
| T 11 | 11 47 30 | 28°48'49 | 1♓11 | 14°45 | 24°31 | 4°21 | 2°23 | 14°59 | 22°13 | 19°23 | 26°59 | 11°48 | 10°58 | 23°10 | 20°48 | T 11 |
| W12 | 11 51 27 | 29°48'07 | 13°58 | 14°53 | 25°44 | 4°44 | 2°37 | 14°54 | 22°12 | 19°25 | 26°59 | 11°R48 | 10°55 | 23°16 | 20°52 | W12 |
| T 13 | 11 55 23 | 0♈47'23 | 26°32 | 14°R53 | 26°58 | 5° 8 | 2°50 | 14°50 | 22°10 | 19°26 | 27° 0 | 11°48 | 10°52 | 23°23 | 20°56 | T 13 |
| F 14 | 11 59 20 | 1°46'37 | 8♈56 | 14°47 | 28°11 | 5°32 | 3° 4 | 14°46 | 22° 9 | 19°28 | 27° 1 | 11°46 | 10°49 | 23°30 | 20°59 | F 14 |
| S 15 | 12 3 16 | 2°45'49 | 21° 9 | 14°33 | 29°24 | 5°57 | 3°17 | 14°41 | 22° 8 | 19°30 | 27° 2 | 11°43 | 10°46 | 23°37 | 21° 3 | S 15 |
| S 16 | 12 7 13 | 3°44'58 | 3♉13 | 14°13 | 0♉37 | 6°22 | 3°31 | 14°37 | 22° 6 | 19°31 | 27° 3 | 11°40 | 10°43 | 23°43 | 21° 7 | S 16 |
| M17 | 12 11 9 | 4°44'06 | 15°10 | 13°47 | 1°51 | 6°47 | 3°44 | 14°32 | 22° 5 | 19°33 | 27° 4 | 11°36 | 10°39 | 23°50 | 21°10 | M17 |
| T 18 | 12 15 6 | 5°43'11 | 27° 3 | 13°15 | 3° 4 | 7°12 | 3°58 | 14°28 | 22° 4 | 19°35 | 27° 4 | 11°32 | 10°36 | 23°57 | 21°14 | T 18 |
| W19 | 12 19 3 | 6°42'14 | 8♊55 | 12°40 | 4°17 | 7°37 | 4°11 | 14°23 | 22° 2 | 19°37 | 27° 5 | 11°29 | 10°33 | 24° 3 | 21°18 | W19 |
| T 20 | 12 22 59 | 7°41'15 | 20°49 | 12° 0 | 5°30 | 8° 3 | 4°24 | 14°19 | 22° 1 | 19°38 | 27° 6 | 11°26 | 10°30 | 24°10 | 21°22 | T 20 |
| F 21 | 12 26 56 | 8°40'13 | 2♋49 | 11°17 | 6°43 | 8°29 | 4°37 | 14°14 | 21°59 | 19°40 | 27° 7 | 11°25 | 10°27 | 24°17 | 21°25 | F 21 |
| S 22 | 12 30 52 | 9°39'10 | 15° 1 | 10°32 | 7°56 | 8°55 | 4°50 | 14° 9 | 21°58 | 19°42 | 27° 8 | 11°D25 | 10°23 | 24°24 | 21°29 | S 22 |
| S 23 | 12 34 49 | 10°38'04 | 27°29 | 9°46 | 9° 9 | 9°21 | 5° 4 | 14° 5 | 21°56 | 19°44 | 27° 9 | 11°26 | 10°20 | 24°30 | 21°33 | S 23 |
| M24 | 12 38 45 | 11°36'55 | 10♌17 | 9° 0 | 10°21 | 9°48 | 5°17 | 14° 0 | 21°54 | 19°46 | 27°10 | 11°28 | 10°17 | 24°37 | 21°37 | M24 |
| T 25 | 12 42 42 | 12°35'44 | 23°28 | 8°14 | 11°34 | 10°14 | 5°30 | 13°56 | 21°53 | 19°47 | 27°11 | 11°29 | 10°14 | 24°44 | 21°41 | T 25 |
| W26 | 12 46 38 | 13°34'31 | 7♍ 6 | 7°29 | 12°47 | 10°41 | 5°42 | 13°51 | 21°51 | 19°49 | 27°12 | 11°R30 | 10°11 | 24°50 | 21°44 | W26 |
| T 27 | 12 50 35 | 14°33'16 | 21°10 | 6°47 | 13°59 | 11° 8 | 5°55 | 13°46 | 21°49 | 19°51 | 27°13 | 11°30 | 10° 8 | 24°57 | 21°48 | T 27 |
| F 28 | 12 54 32 | 15°31'58 | 5♎38 | 6° 7 | 15°12 | 11°36 | 6° 8 | 13°42 | 21°47 | 19°53 | 27°14 | 11°28 | 10° 4 | 25° 4 | 21°52 | F 28 |
| S 29 | 12 58 28 | 16°30'39 | 20°25 | 5°31 | 16°24 | 12° 3 | 6°21 | 13°37 | 21°45 | 19°55 | 27°15 | 11°25 | 10° 1 | 25°11 | 21°56 | S 29 |
| S 30 | 13 2 25 | 17°29'17 | 5♏24 | 4°59 | 17°37 | 12°31 | 6°33 | 13°33 | 21°43 | 19°57 | 27°16 | 11°20 | 9°58 | 25°17 | 22° 0 | S 30 |
| M31 | 13 6 21 | 18♈27'54 | 20♏26 | 4♈31 | 18♉49 | 12♋59 | 6♓46 | 13♎28 | 21♏42 | 19♉59 | 27♉18 | 11♓15 | 9♓55 | 25♉24 | 22♈ 4 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s24 | 7s 5 | 2s38 | 4n 6 | 1n33 | 4n12 | 0s42 | 26n12 | 2n41 | 12s19 | 0s53 | 3s38 | 2n45 | 18s 9 | 0n17 | 15n54 | 1s44 | 7n46 | 12s 3 | 7s10 | 7s16 | 23n 1 | 8n15 | 0n20 |
| S 2 | 4 1 | 13 38 | 3 42 | 4 49 | 1 46 | 4 43 | 0 40 | 26 10 | 2 39 | 12 14 | 0 53 | 3 37 | 2 46 | 18 8 | 0 17 | 15 55 | 1 44 | 7 47 | 12 3 | 7 10 | 7 18 | 23 3 | 8 16 | 0 20 |
| M 3 | 3 37 | 19 26 | 4 32 | 5 29 | 1 58 | 5 14 | 0 37 | 26 9 | 2 38 | 12 9 | 0 54 | 3 35 | 2 46 | 18 8 | 0 17 | 15 55 | 1 44 | 7 47 | 12 3 | 7 11 | 7 19 | 23 6 | 8 17 | 0 20 |
| T 4 | 3 14 | 24 5 | 5 4 | 6 6 | 2 10 | 5 45 | 0 35 | 26 8 | 2 37 | 12 4 | 0 54 | 3 34 | 2 46 | 18 8 | 0 17 | 15 56 | 1 44 | 7 48 | 12 3 | 7 11 | 7 20 | 23 8 | 8 18 | 0 20 |
| W 5 | 2 50 | 27 12 | 5 16 | 6 41 | 2 22 | 6 16 | 0 33 | 26 6 | 2 36 | 12 0 | 0 54 | 3 32 | 2 46 | 18 8 | 0 17 | 15 56 | 1 44 | 7 48 | 12 2 | 7 11 | 7 21 | 23 10 | 8 19 | 0 20 |
| T 6 | 2 27 | 28 32 | 5 9 | 7 11 | 2 33 | 6 46 | 0 30 | 26 5 | 2 35 | 11 55 | 0 54 | 3 30 | 2 46 | 18 8 | 0 17 | 15 56 | 1 44 | 7 48 | 12 2 | 7 11 | 7 22 | 23 12 | 8 21 | 0 20 |
| F 7 | 2 3 | 28 1 | 4 44 | 7 38 | 2 43 | 7 17 | 0 27 | 26 3 | 2 34 | 11 50 | 0 54 | 3 28 | 2 46 | 18 7 | 0 17 | 15 57 | 1 43 | 7 49 | 12 2 | 7 11 | 7 24 | 23 14 | 8 22 | 0 20 |
| S 8 | 1 39 | 25 48 | 4 3 | 8 2 | 2 52 | 7 47 | 0 25 | 26 2 | 2 33 | 11 45 | 0 54 | 3 27 | 2 46 | 18 7 | 0 17 | 15 57 | 1 43 | 7 49 | 12 2 | 7 11 | 7 25 | 23 16 | 8 23 | 0 20 |
| S 9 | 1 16 | 22 9 | 3 10 | 8 21 | 3 1 | 8 17 | 0 22 | 26 0 | 2 32 | 11 40 | 0 54 | 3 25 | 2 46 | 18 7 | 0 17 | 15 58 | 1 43 | 7 50 | 12 1 | 7 10 | 7 26 | 23 18 | 8 24 | 0 20 |
| M10 | 0 52 | 17 26 | 2 7 | 8 37 | 3 8 | 8 47 | 0 20 | 25 58 | 2 30 | 11 35 | 0 54 | 3 23 | 2 47 | 18 7 | 0 17 | 15 58 | 1 43 | 7 50 | 12 1 | 7 10 | 7 27 | 23 20 | 8 26 | 0 20 |
| T 11 | 0 28 | 12 0 | 0 58 | 8 48 | 3 14 | 9 16 | 0 17 | 25 56 | 2 29 | 11 31 | 0 54 | 3 21 | 2 47 | 18 6 | 0 17 | 15 59 | 1 43 | 7 50 | 12 1 | 7 10 | 7 29 | 23 22 | 8 27 | 0 19 |
| W12 | 0 5 | 6 9 | 0n12 | 8 56 | 3 18 | 9 46 | 0 14 | 25 54 | 2 28 | 11 26 | 0 55 | 3 20 | 2 47 | 18 6 | 0 17 | 15 59 | 1 43 | 7 51 | 12 1 | 7 9 | 7 30 | 23 24 | 8 28 | 0 19 |
| T 13 | 0n19 | 0 9 | 1 20 | 8 59 | 3 22 | 10 15 | 0 11 | 25 52 | 2 27 | 11 21 | 0 55 | 3 18 | 2 47 | 18 6 | 0 17 | 16 0 | 1 43 | 7 51 | 12 0 | 7 10 | 7 31 | 23 26 | 8 30 | 0 19 |
| F 14 | 0 43 | 5n45 | 2 24 | 8 58 | 3 23 | 10 44 | 0 9 | 25 50 | 2 26 | 11 16 | 0 55 | 3 16 | 2 47 | 18 5 | 0 17 | 16 0 | 1 43 | 7 52 | 12 0 | 7 10 | 7 32 | 23 28 | 8 31 | 0 19 |
| S 15 | 1 6 | 11 22 | 3 20 | 8 53 | 3 24 | 11 12 | 0 6 | 25 48 | 2 25 | 11 11 | 0 55 | 3 14 | 2 47 | 18 5 | 0 17 | 16 1 | 1 43 | 7 52 | 12 0 | 7 11 | 7 33 | 23 30 | 8 32 | 0 19 |
| S 16 | 1 30 | 16 29 | 4 6 | 8 44 | 3 22 | 11 41 | 0 3 | 25 46 | 2 24 | 11 7 | 0 55 | 3 13 | 2 47 | 18 5 | 0 17 | 16 1 | 1 43 | 7 53 | 12 0 | 7 13 | 7 35 | 23 32 | 8 34 | 0 19 |
| M17 | 1 53 | 20 55 | 4 41 | 8 31 | 3 19 | 12 9 | 0 0 | 25 44 | 2 23 | 11 2 | 0 55 | 3 11 | 2 47 | 18 4 | 0 17 | 16 2 | 1 43 | 7 53 | 11 59 | 7 14 | 7 36 | 23 34 | 8 35 | 0 19 |
| T 18 | 2 17 | 24 29 | 5 4 | 8 14 | 3 14 | 12 37 | 0n 3 | 25 41 | 2 22 | 10 57 | 0 55 | 3 9 | 2 47 | 18 4 | 0 17 | 16 2 | 1 43 | 7 53 | 11 59 | 7 16 | 7 37 | 23 36 | 8 36 | 0 19 |
| W19 | 2 40 | 27 1 | 5 13 | 7 54 | 3 8 | 13 5 | 0 6 | 25 39 | 2 21 | 10 52 | 0 56 | 3 7 | 2 47 | 18 4 | 0 17 | 16 3 | 1 43 | 7 54 | 11 59 | 7 17 | 7 38 | 23 38 | 8 38 | 0 19 |
| T 20 | 3 4 | 28 21 | 5 9 | 7 31 | 3 0 | 13 32 | 0 8 | 25 36 | 2 20 | 10 48 | 0 56 | 3 5 | 2 47 | 18 3 | 0 17 | 16 3 | 1 43 | 7 54 | 11 59 | 7 18 | 7 39 | 23 40 | 8 39 | 0 19 |
| F 21 | 3 27 | 28 21 | 4 52 | 7 5 | 2 51 | 13 59 | 0 11 | 25 34 | 2 19 | 10 43 | 0 56 | 3 4 | 2 47 | 18 3 | 0 17 | 16 4 | 1 43 | 7 55 | 11 58 | 7 18 | 7 41 | 23 41 | 8 40 | 0 19 |
| S 22 | 3 50 | 27 0 | 4 21 | 6 38 | 2 40 | 14 25 | 0 14 | 25 31 | 2 18 | 10 38 | 0 56 | 3 2 | 2 47 | 18 2 | 0 17 | 16 4 | 1 43 | 7 55 | 11 58 | 7 18 | 7 42 | 23 43 | 8 42 | 0 19 |
| S 23 | 4 13 | 24 18 | 3 38 | 6 8 | 2 27 | 14 52 | 0 17 | 25 28 | 2 17 | 10 33 | 0 56 | 3 0 | 2 47 | 18 2 | 0 17 | 16 5 | 1 43 | 7 55 | 11 58 | 7 18 | 7 43 | 23 45 | 8 43 | 0 18 |
| M24 | 4 37 | 20 20 | 2 43 | 5 38 | 2 14 | 15 18 | 0 20 | 25 25 | 2 16 | 10 29 | 0 56 | 2 58 | 2 48 | 18 2 | 0 17 | 16 5 | 1 43 | 7 56 | 11 58 | 7 17 | 7 44 | 23 47 | 8 44 | 0 18 |
| T 25 | 5 0 | 15 16 | 1 37 | 5 6 | 1 59 | 15 43 | 0 23 | 25 22 | 2 15 | 10 24 | 0 56 | 2 56 | 2 48 | 18 1 | 0 17 | 16 6 | 1 43 | 7 56 | 11 58 | 7 17 | 7 45 | 23 49 | 8 46 | 0 18 |
| W26 | 5 22 | 9 19 | 0 24 | 4 35 | 1 44 | 16 8 | 0 26 | 25 19 | 2 14 | 10 20 | 0 57 | 2 55 | 2 48 | 18 1 | 0 17 | 16 6 | 1 43 | 7 57 | 11 57 | 7 16 | 7 47 | 23 51 | 8 47 | 0 18 |
| T 27 | 5 45 | 2 43 | 0s53 | 4 3 | 1 28 | 16 33 | 0 29 | 25 16 | 2 13 | 10 15 | 0 57 | 2 53 | 2 48 | 18 0 | 0 17 | 16 7 | 1 43 | 7 57 | 11 57 | 7 17 | 7 48 | 23 53 | 8 48 | 0 18 |
| F 28 | 6 8 | 4s12 | 2 8 | 3 33 | 1 12 | 16 57 | 0 32 | 25 12 | 2 12 | 10 10 | 0 57 | 2 51 | 2 48 | 18 0 | 0 17 | 16 7 | 1 43 | 7 58 | 11 57 | 7 17 | 7 49 | 23 55 | 8 50 | 0 18 |
| S 29 | 6 31 | 11 2 | 3 16 | 3 3 | 0 56 | 17 21 | 0 35 | 25 9 | 2 11 | 10 6 | 0 57 | 2 49 | 2 48 | 17 59 | 0 17 | 16 8 | 1 43 | 7 58 | 11 57 | 7 19 | 7 50 | 23 57 | 8 51 | 0 18 |
| S 30 | 6 53 | 17 19 | 4 12 | 2 35 | 0 39 | 17 45 | 0 38 | 25 5 | 2 10 | 10 1 | 0 57 | 2 47 | 2 48 | 17 59 | 0 17 | 16 9 | 1 42 | 7 58 | 11 57 | 7 20 | 7 51 | 23 59 | 8 52 | 0 18 |
| M31 | 7n16 | 22s34 | 4s50 | 2n 9 | 0n23 | 18n 8 | 0n41 | 25n 2 | 2n 9 | 9s57 | 0s57 | 2s46 | 2n48 | 17s58 | 0n17 | 16n 9 | 1s42 | 7n59 | 11s56 | 7s22 | 7s53 | 24n 1 | 8n54 | 0n18 |

Julian Day Number = 2229910.5, Delta T = 08m04s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'31, Lahiri = 15°23'31 Julian Calendar 1 March 1393 == Greg. Calendar 9 March 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## APRIL 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 10 18 | 19♈26'29 | 5♐21 | 4°R 8 | 20♉ 2 | 13♋27 | 6♓59 | 13°R23 | 21°R40 | 20♉ 1 | 27♉19 | 11°R 9 | 9♓52 | 25♉31 | 22♈ 7 | T 1 |
| W 2 | 13 14 14 | 20°25'02 | 20° 2 | 3♈50 | 21°14 | 13°55 | 7°11 | 13♎19 | 21♏38 | 20° 3 | 27°20 | 11♓ 5 | 9°49 | 25°37 | 22°11 | W 2 |
| T 3 | 13 18 11 | 21°23'34 | 4♑23 | 3°37 | 22°26 | 14°23 | 7°23 | 13°14 | 21°36 | 20° 5 | 27°21 | 11° 2 | 9°45 | 25°44 | 22°15 | T 3 |
| F 4 | 13 22 7 | 22°22'04 | 18°22 | 3°29 | 23°38 | 14°52 | 7°36 | 13°10 | 21°34 | 20° 7 | 27°22 | 11°D 1 | 9°42 | 25°51 | 22°19 | F 4 |
| S 5 | 13 26 4 | 23°20'32 | 1♒58 | 3°D26 | 24°50 | 15°20 | 7°48 | 13° 5 | 21°31 | 20° 9 | 27°23 | 11° 1 | 9°39 | 25°58 | 22°23 | S 5 |
| S 6 | 13 30 1 | 24°18'59 | 15°14 | 3°28 | 26° 2 | 15°49 | 8° 0 | 13° 1 | 21°29 | 20°11 | 27°24 | 11° 2 | 9°36 | 26° 4 | 22°27 | S 6 |
| M 7 | 13 33 57 | 25°17'24 | 28°11 | 3°34 | 27°14 | 16°18 | 8°12 | 12°56 | 21°27 | 20°13 | 27°25 | 11° 3 | 9°33 | 26°11 | 22°30 | M 7 |
| T 8 | 13 37 54 | 26°15'47 | 10♓52 | 3°46 | 28°26 | 16°47 | 8°24 | 12°52 | 21°25 | 20°15 | 27°27 | 11°R 4 | 9°29 | 26°18 | 22°34 | T 8 |
| W 9 | 13 41 50 | 27°14'09 | 23°20 | 4° 3 | 29°38 | 17°16 | 8°36 | 12°48 | 21°23 | 20°17 | 27°28 | 11° 3 | 9°26 | 26°25 | 22°38 | W 9 |
| T 10 | 13 45 47 | 28°12'29 | 5♈38 | 4°24 | 0♊50 | 17°46 | 8°48 | 12°43 | 21°21 | 20°19 | 27°29 | 11° 0 | 9°23 | 26°31 | 22°42 | T 10 |
| F 11 | 13 49 43 | 29°10'47 | 17°48 | 4°49 | 2° 2 | 18°15 | 8°59 | 12°39 | 21°18 | 20°22 | 27°30 | 10°55 | 9°20 | 26°38 | 22°46 | F 11 |
| S 12 | 13 53 40 | 0♉ 9'04 | 29°51 | 5°19 | 3°13 | 18°45 | 9°11 | 12°35 | 21°16 | 20°24 | 27°32 | 10°48 | 9°17 | 26°45 | 22°50 | S 12 |
| S 13 | 13 57 36 | 1° 7'18 | 11♉48 | 5°53 | 4°25 | 19°15 | 9°23 | 12°30 | 21°14 | 20°26 | 27°33 | 10°39 | 9°14 | 26°51 | 22°54 | S 13 |
| M14 | 14 1 33 | 2° 5'31 | 23°42 | 6°31 | 5°36 | 19°45 | 9°34 | 12°26 | 21°12 | 20°28 | 27°34 | 10°29 | 9°10 | 26°58 | 22°57 | M14 |
| T 15 | 14 5 30 | 3° 3'42 | 5♊34 | 7°13 | 6°48 | 20°15 | 9°45 | 12°22 | 21° 9 | 20°30 | 27°35 | 10°19 | 9° 7 | 27° 5 | 23° 1 | T 15 |
| W16 | 14 9 26 | 4° 1'52 | 17°26 | 7°58 | 7°59 | 20°45 | 9°57 | 12°18 | 21° 7 | 20°32 | 27°36 | 10°10 | 9° 4 | 27°12 | 23° 5 | W16 |
| T 17 | 14 13 23 | 4°59'59 | 29°20 | 8°47 | 9°11 | 21°16 | 10° 8 | 12°14 | 21° 5 | 20°34 | 27°38 | 10° 3 | 9° 1 | 27°18 | 23° 9 | T 17 |
| F 18 | 14 17 19 | 5°58'05 | 11♋20 | 9°39 | 10°22 | 21°46 | 10°19 | 12°10 | 21° 2 | 20°37 | 27°39 | 9°57 | 8°58 | 27°25 | 23°13 | F 18 |
| S 19 | 14 21 16 | 6°56'08 | 23°30 | 10°34 | 11°33 | 22°17 | 10°30 | 12° 6 | 21° 0 | 20°39 | 27°40 | 9°54 | 8°54 | 27°32 | 23°16 | S 19 |
| S 20 | 14 25 12 | 7°54'10 | 5♌54 | 11°32 | 12°44 | 22°48 | 10°41 | 12° 2 | 20°57 | 20°41 | 27°42 | 9°D53 | 8°51 | 27°38 | 23°20 | S 20 |
| M21 | 14 29 9 | 8°52'10 | 18°37 | 12°34 | 13°55 | 23°19 | 10°51 | 11°58 | 20°55 | 20°43 | 27°43 | 9°54 | 8°48 | 27°45 | 23°24 | M21 |
| T 22 | 14 33 5 | 9°50'07 | 1♍43 | 13°38 | 15° 6 | 23°50 | 11° 2 | 11°54 | 20°52 | 20°45 | 27°44 | 9°54 | 8°45 | 27°52 | 23°28 | T 22 |
| W23 | 14 37 2 | 10°48'03 | 15°15 | 14°45 | 16°17 | 24°21 | 11°13 | 11°50 | 20°50 | 20°48 | 27°46 | 9°R54 | 8°42 | 27°59 | 23°31 | W23 |
| T 24 | 14 40 59 | 11°45'57 | 29°17 | 15°55 | 17°28 | 24°52 | 11°23 | 11°47 | 20°48 | 20°50 | 27°47 | 9°53 | 8°39 | 28° 5 | 23°35 | T 24 |
| F 25 | 14 44 55 | 12°43'49 | 13♎47 | 17° 7 | 18°38 | 25°24 | 11°34 | 11°43 | 20°45 | 20°52 | 27°48 | 9°49 | 8°35 | 28°12 | 23°39 | F 25 |
| S 26 | 14 48 52 | 13°41'40 | 28°41 | 18°22 | 19°49 | 25°55 | 11°44 | 11°39 | 20°43 | 20°54 | 27°49 | 9°43 | 8°32 | 28°19 | 23°42 | S 26 |
| S 27 | 14 52 48 | 14°39'29 | 13♏52 | 19°39 | 20°59 | 26°27 | 11°54 | 11°36 | 20°40 | 20°57 | 27°51 | 9°35 | 8°29 | 28°26 | 23°46 | S 27 |
| M28 | 14 56 45 | 15°37'16 | 29°10 | 20°59 | 22°10 | 26°58 | 12° 4 | 11°33 | 20°38 | 20°59 | 27°52 | 9°25 | 8°26 | 28°32 | 23°50 | M28 |
| T 29 | 15 0 41 | 16°35'02 | 14♐23 | 22°22 | 23°20 | 27°30 | 12°14 | 11°29 | 20°35 | 21° 1 | 27°53 | 9°16 | 8°23 | 28°39 | 23°53 | T 29 |
| W30 | 15 4 38 | 17♉32'47 | 29♐22 | 23♈46 | 24♊30 | 28♋ 2 | 12♓24 | 11♎26 | 20♏33 | 21♉ 3 | 27♉55 | 9♓ 8 | 8♓20 | 28♉46 | 23♈57 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n38 | 26s19 | 5s 9 | 1n45 | 0n 6 | 18n31 | 0n44 | 24n58 | 2n 8 | 9s52 | 0s58 | 2s44 | 2n48 | 17s58 | 0n17 | 16n10 | 1s42 | 7n59 | 11s56 | 7s24 | 7s54 | 24n 2 | 8n55 | 0n18 |
| W 2 | 8 0 | 28 14 | 5 6 | 1 23 | 0s10 | 18 53 | 0 47 | 24 54 | 2 7 | 9 48 | 0 58 | 2 42 | 2 48 | 17 57 | 0 17 | 16 10 | 1 42 | 8 0 | 11 56 | 7 26 | 7 55 | 24 4 | 8 57 | 0 18 |
| T 3 | 8 22 | 28 12 | 4 45 | 1 4 | 0 25 | 19 14 | 0 50 | 24 50 | 2 6 | 9 43 | 0 58 | 2 40 | 2 47 | 17 57 | 0 17 | 16 11 | 1 42 | 8 0 | 11 56 | 7 27 | 7 56 | 24 6 | 8 58 | 0 18 |
| F 4 | 8 44 | 26 20 | 4 7 | 0 47 | 0 40 | 19 35 | 0 52 | 24 46 | 2 6 | 9 39 | 0 58 | 2 39 | 2 47 | 17 56 | 0 17 | 16 11 | 1 42 | 8 1 | 11 56 | 7 28 | 7 57 | 24 8 | 8 59 | 0 18 |
| S 5 | 9 6 | 22 58 | 3 16 | 0 32 | 0 54 | 19 56 | 0 55 | 24 42 | 2 5 | 9 34 | 0 58 | 2 37 | 2 47 | 17 56 | 0 17 | 16 12 | 1 42 | 8 1 | 11 55 | 7 28 | 7 59 | 24 10 | 9 1 | 0 17 |
| S 6 | 9 27 | 18 29 | 2 15 | 0 20 | 1 8 | 20 16 | 0 58 | 24 38 | 2 4 | 9 30 | 0 58 | 2 35 | 2 47 | 17 55 | 0 17 | 16 12 | 1 42 | 8 1 | 11 55 | 7 27 | 8 0 | 24 12 | 9 2 | 0 17 |
| M 7 | 9 49 | 13 14 | 1 9 | 0 11 | 1 21 | 20 36 | 1 1 | 24 33 | 2 3 | 9 26 | 0 59 | 2 34 | 2 47 | 17 55 | 0 17 | 16 13 | 1 42 | 8 2 | 11 55 | 7 27 | 8 1 | 24 14 | 9 3 | 0 17 |
| T 8 | 10 10 | 7 32 | 0 1 | 0 5 | 1 33 | 20 55 | 1 4 | 24 29 | 2 2 | 9 21 | 0 59 | 2 32 | 2 47 | 17 54 | 0 17 | 16 14 | 1 42 | 8 2 | 11 55 | 7 26 | 8 2 | 24 15 | 9 5 | 0 17 |
| W 9 | 10 31 | 1 39 | 1n 6 | 0 1 | 1 45 | 21 14 | 1 7 | 24 24 | 2 1 | 9 17 | 0 59 | 2 30 | 2 47 | 17 53 | 0 17 | 16 14 | 1 42 | 8 3 | 11 55 | 7 27 | 8 3 | 24 17 | 9 6 | 0 17 |
| T 10 | 10 52 | 4n13 | 2 9 | 0s 1 | 1 55 | 21 32 | 1 9 | 24 19 | 2 0 | 9 13 | 0 59 | 2 29 | 2 47 | 17 53 | 0 17 | 16 15 | 1 42 | 8 3 | 11 55 | 7 28 | 8 5 | 24 19 | 9 7 | 0 17 |
| F 11 | 11 13 | 9 51 | 3 5 | 0n 1 | 2 5 | 21 49 | 1 12 | 24 14 | 1 59 | 9 9 | 0 59 | 2 27 | 2 47 | 17 52 | 0 17 | 16 15 | 1 42 | 8 3 | 11 54 | 7 30 | 8 6 | 24 21 | 9 9 | 0 17 |
| S 12 | 11 34 | 15 4 | 3 52 | 0 4 | 2 14 | 22 6 | 1 15 | 24 9 | 1 58 | 9 4 | 1 0 | 2 25 | 2 47 | 17 52 | 0 17 | 16 16 | 1 42 | 8 4 | 11 54 | 7 33 | 8 7 | 24 23 | 9 10 | 0 17 |
| S 13 | 11 54 | 19 40 | 4 28 | 0 10 | 2 23 | 22 22 | 1 18 | 24 4 | 1 58 | 9 0 | 1 0 | 2 24 | 2 47 | 17 51 | 0 17 | 16 17 | 1 42 | 8 4 | 11 54 | 7 36 | 8 8 | 24 24 | 9 12 | 0 17 |
| M14 | 12 14 | 23 29 | 4 53 | 0 18 | 2 30 | 22 38 | 1 20 | 23 59 | 1 57 | 8 56 | 1 0 | 2 22 | 2 47 | 17 50 | 0 17 | 16 17 | 1 42 | 8 5 | 11 54 | 7 40 | 8 9 | 24 26 | 9 13 | 0 17 |
| T 15 | 12 34 | 26 18 | 5 4 | 0 28 | 2 37 | 22 53 | 1 23 | 23 54 | 1 56 | 8 52 | 1 0 | 2 21 | 2 47 | 17 50 | 0 17 | 16 18 | 1 42 | 8 5 | 11 54 | 7 43 | 8 11 | 24 28 | 9 14 | 0 17 |
| W16 | 12 54 | 27 57 | 5 3 | 0 41 | 2 43 | 23 7 | 1 25 | 23 48 | 1 55 | 8 48 | 1 0 | 2 19 | 2 47 | 17 49 | 0 17 | 16 18 | 1 42 | 8 5 | 11 54 | 7 47 | 8 12 | 24 30 | 9 16 | 0 17 |
| T 17 | 13 14 | 28 20 | 4 48 | 0 55 | 2 48 | 23 21 | 1 28 | 23 43 | 1 54 | 8 44 | 1 0 | 2 18 | 2 46 | 17 49 | 0 17 | 16 19 | 1 42 | 8 6 | 11 54 | 7 50 | 8 13 | 24 31 | 9 17 | 0 17 |
| F 18 | 13 33 | 27 22 | 4 21 | 1 11 | 2 53 | 23 34 | 1 30 | 23 37 | 1 53 | 8 40 | 1 1 | 2 16 | 2 46 | 17 48 | 0 17 | 16 20 | 1 42 | 8 6 | 11 53 | 7 52 | 8 14 | 24 33 | 9 18 | 0 17 |
| S 19 | 13 53 | 25 7 | 3 42 | 1 30 | 2 56 | 23 47 | 1 33 | 23 31 | 1 52 | 8 36 | 1 1 | 2 15 | 2 46 | 17 47 | 0 17 | 16 20 | 1 42 | 8 7 | 11 53 | 7 53 | 8 15 | 24 35 | 9 20 | 0 16 |
| S 20 | 14 11 | 21 38 | 2 51 | 1 50 | 2 59 | 23 59 | 1 35 | 23 25 | 1 52 | 8 32 | 1 1 | 2 13 | 2 46 | 17 47 | 0 17 | 16 21 | 1 42 | 8 7 | 11 53 | 7 53 | 8 17 | 24 37 | 9 21 | 0 16 |
| M21 | 14 30 | 17 4 | 1 51 | 2 11 | 3 2 | 24 10 | 1 38 | 23 19 | 1 51 | 8 28 | 1 1 | 2 12 | 2 46 | 17 46 | 0 17 | 16 21 | 1 42 | 8 7 | 11 53 | 7 53 | 8 18 | 24 38 | 9 22 | 0 16 |
| T 22 | 14 49 | 11 35 | 0 44 | 2 35 | 3 3 | 24 20 | 1 40 | 23 13 | 1 50 | 8 24 | 1 2 | 2 11 | 2 46 | 17 45 | 0 17 | 16 22 | 1 42 | 8 8 | 11 53 | 7 53 | 8 19 | 24 40 | 9 24 | 0 16 |
| W23 | 15 7 | 5 23 | 0s29 | 3 0 | 3 4 | 24 30 | 1 42 | 23 7 | 1 49 | 8 20 | 1 2 | 2 9 | 2 46 | 17 45 | 0 17 | 16 23 | 1 42 | 8 8 | 11 53 | 7 53 | 8 20 | 24 42 | 9 25 | 0 16 |
| T 24 | 15 25 | 1s16 | 1 41 | 3 26 | 3 5 | 24 39 | 1 44 | 23 0 | 1 48 | 8 16 | 1 2 | 2 8 | 2 46 | 17 44 | 0 17 | 16 23 | 1 42 | 8 9 | 11 53 | 7 53 | 8 21 | 24 44 | 9 26 | 0 16 |
| F 25 | 15 43 | 8 4 | 2 50 | 3 54 | 3 4 | 24 48 | 1 46 | 22 53 | 1 47 | 8 13 | 1 2 | 2 7 | 2 45 | 17 44 | 0 17 | 16 24 | 1 42 | 8 9 | 11 53 | 7 55 | 8 23 | 24 45 | 9 27 | 0 16 |
| S 26 | 16 0 | 14 36 | 3 49 | 4 24 | 3 3 | 24 56 | 1 49 | 22 47 | 1 47 | 8 9 | 1 2 | 2 5 | 2 45 | 17 43 | 0 17 | 16 24 | 1 42 | 8 9 | 11 53 | 7 57 | 8 24 | 24 47 | 9 29 | 0 16 |
| S 27 | 16 17 | 20 23 | 4 33 | 4 55 | 3 2 | 25 3 | 1 51 | 22 40 | 1 46 | 8 5 | 1 3 | 2 4 | 2 45 | 17 42 | 0 17 | 16 25 | 1 42 | 8 10 | 11 52 | 8 0 | 8 25 | 24 49 | 9 30 | 0 16 |
| M28 | 16 34 | 24 53 | 4 58 | 5 27 | 2 59 | 25 10 | 1 53 | 22 33 | 1 45 | 8 2 | 1 3 | 2 3 | 2 45 | 17 42 | 0 17 | 16 25 | 1 42 | 8 10 | 11 52 | 8 4 | 8 26 | 24 50 | 9 31 | 0 16 |
| T 29 | 16 51 | 27 35 | 5 1 | 6 0 | 2 57 | 25 15 | 1 54 | 22 26 | 1 44 | 7 58 | 1 3 | 2 2 | 2 45 | 17 41 | 0 17 | 16 26 | 1 42 | 8 10 | 11 52 | 8 7 | 8 27 | 24 52 | 9 33 | 0 16 |
| W30 | 17n 7 | 28s15 | 4s44 | 6n34 | 2s53 | 25n21 | 1n56 | 22n19 | 1n43 | 7s54 | 1s 3 | 2s 1 | 2n45 | 17s40 | 0n17 | 16n27 | 1s42 | 8n11 | 11s52 | 8s11 | 8s29 | 24n54 | 9n34 | 0n16 |

Julian Day Number = 2229941.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'14, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'35, Lahiri = 15°23'36 Julian Calendar 1 Apr. 1393 == Greg. Calendar 9 Apr. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## MAY 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 8 34 | 18♉30'31 | 13♋58 | 25♈13 | 25♊40 | 28♋34 | 12♓33 | 11°R23 | 20°R30 | 21♉ 6 | 27♉56 | 9°R 1 | 8♓16 | 28♉52 | 24♈ 1 | T 1 |
| F 2 | 15 12 31 | 19°28'14 | 28° 7 | 26°43 | 26°50 | 29° 6 | 12°43 | 11♎20 | 20♏28 | 21° 8 | 27°58 | 8♓57 | 8°13 | 28°59 | 24° 4 | F 2 |
| S 3 | 15 16 28 | 20°25'55 | 11♒49 | 28°14 | 28° 0 | 29°38 | 12°52 | 11°17 | 20°25 | 21°10 | 27°59 | 8°56 | 8°10 | 29° 6 | 24° 8 | S 3 |
| S 4 | 15 20 24 | 21°23'36 | 25° 3 | 29°48 | 29°10 | 0♌10 | 13° 2 | 11°14 | 20°23 | 21°12 | 28° 0 | 8°D55 | 8° 7 | 29°13 | 24°11 | S 4 |
| M 5 | 15 24 21 | 22°21'15 | 7♓55 | 1♉24 | 0♋20 | 0°43 | 13°11 | 11°11 | 20°20 | 21°15 | 28° 2 | 8°R56 | 8° 4 | 29°19 | 24°15 | M 5 |
| T 6 | 15 28 17 | 23°18'53 | 20°28 | 3° 3 | 1°30 | 1°15 | 13°20 | 11° 8 | 20°18 | 21°17 | 28° 3 | 8°55 | 8° 0 | 29°26 | 24°18 | T 6 |
| W 7 | 15 32 14 | 24°16'30 | 2♈46 | 4°44 | 2°39 | 1°48 | 13°29 | 11° 5 | 20°15 | 21°19 | 28° 4 | 8°53 | 7°57 | 29°33 | 24°22 | W 7 |
| T 8 | 15 36 10 | 25°14'07 | 14°54 | 6°27 | 3°49 | 2°20 | 13°38 | 11° 2 | 20°13 | 21°21 | 28° 6 | 8°48 | 7°54 | 29°39 | 24°25 | T 8 |
| F 9 | 15 40 7 | 26°11'42 | 26°54 | 8°12 | 4°58 | 2°53 | 13°46 | 11° 0 | 20°10 | 21°24 | 28° 7 | 8°41 | 7°51 | 29°46 | 24°29 | F 9 |
| S 10 | 15 44 3 | 27° 9'16 | 8♉50 | 9°59 | 6° 7 | 3°26 | 13°55 | 10°57 | 20° 8 | 21°26 | 28° 8 | 8°30 | 7°48 | 29°53 | 24°32 | S 10 |
| S 11 | 15 48 0 | 28° 6'49 | 20°42 | 11°49 | 7°16 | 3°59 | 14° 3 | 10°55 | 20° 5 | 21°28 | 28°10 | 8°18 | 7°45 | 29°59 | 24°35 | S 11 |
| M12 | 15 51 57 | 29° 4'21 | 2♊34 | 13°41 | 8°25 | 4°32 | 14°12 | 10°53 | 20° 3 | 21°30 | 28°11 | 8° 4 | 7°41 | 0♊ 6 | 24°39 | M12 |
| T 13 | 15 55 53 | 0♊ 1'52 | 14°26 | 15°35 | 9°34 | 5° 5 | 14°20 | 10°50 | 20° 0 | 21°33 | 28°12 | 7°51 | 7°38 | 0°13 | 24°42 | T 13 |
| W14 | 15 59 50 | 0°59'22 | 26°21 | 17°31 | 10°43 | 5°38 | 14°28 | 10°48 | 19°58 | 21°35 | 28°14 | 7°38 | 7°35 | 0°20 | 24°45 | W14 |
| T 15 | 16 3 46 | 1°56'51 | 8♋18 | 19°30 | 11°52 | 6°12 | 14°36 | 10°46 | 19°55 | 21°37 | 28°15 | 7°27 | 7°32 | 0°27 | 24°49 | T 15 |
| F 16 | 16 7 43 | 2°54'18 | 20°22 | 21°30 | 13° 1 | 6°45 | 14°44 | 10°44 | 19°53 | 21°39 | 28°17 | 7°19 | 7°29 | 0°33 | 24°52 | F 16 |
| S 17 | 16 11 39 | 3°51'45 | 2♌34 | 23°32 | 14° 9 | 7°18 | 14°51 | 10°42 | 19°51 | 21°41 | 28°18 | 7°13 | 7°26 | 0°40 | 24°55 | S 17 |
| S 18 | 16 15 36 | 4°49'10 | 14°59 | 25°37 | 15°17 | 7°52 | 14°59 | 10°41 | 19°48 | 21°44 | 28°19 | 7°10 | 7°22 | 0°47 | 24°58 | S 18 |
| M19 | 16 19 32 | 5°46'34 | 27°40 | 27°42 | 16°26 | 8°26 | 15° 6 | 10°39 | 19°46 | 21°46 | 28°21 | 7° 9 | 7°19 | 0°53 | 25° 1 | M19 |
| T 20 | 16 23 29 | 6°43'57 | 10♍42 | 29°50 | 17°34 | 8°59 | 15°13 | 10°37 | 19°44 | 21°48 | 28°22 | 7° 9 | 7°16 | 1° 0 | 25° 4 | T 20 |
| W21 | 16 27 26 | 7°41'18 | 24° 8 | 1♊59 | 18°42 | 9°33 | 15°20 | 10°36 | 19°41 | 21°50 | 28°23 | 7° 9 | 7°13 | 1° 7 | 25° 7 | W21 |
| T 22 | 16 31 22 | 8°38'39 | 8♎ 1 | 4° 9 | 19°50 | 10° 7 | 15°27 | 10°34 | 19°39 | 21°52 | 28°25 | 7° 7 | 7°10 | 1°14 | 25°11 | T 22 |
| F 23 | 16 35 19 | 9°35'58 | 22°22 | 6°19 | 20°57 | 10°41 | 15°34 | 10°33 | 19°37 | 21°55 | 28°26 | 7° 3 | 7° 6 | 1°20 | 25°14 | F 23 |
| S 24 | 16 39 15 | 10°33'16 | 7♏ 9 | 8°31 | 22° 5 | 11°15 | 15°40 | 10°32 | 19°34 | 21°57 | 28°27 | 6°56 | 7° 3 | 1°27 | 25°16 | S 24 |
| S 25 | 16 43 12 | 11°30'34 | 22°16 | 10°43 | 23°12 | 11°49 | 15°47 | 10°31 | 19°32 | 21°59 | 28°29 | 6°47 | 7° 0 | 1°34 | 25°19 | S 25 |
| M26 | 16 47 8 | 12°27'51 | 7♐34 | 12°55 | 24°19 | 12°23 | 15°53 | 10°30 | 19°30 | 22° 1 | 28°30 | 6°37 | 6°57 | 1°40 | 25°22 | M26 |
| T 27 | 16 51 5 | 13°25'07 | 22°52 | 15° 6 | 25°26 | 12°57 | 15°59 | 10°29 | 19°28 | 22° 3 | 28°31 | 6°26 | 6°54 | 1°47 | 25°25 | T 27 |
| W28 | 16 55 1 | 14°22'22 | 7♑58 | 17°18 | 26°33 | 13°31 | 16° 5 | 10°28 | 19°25 | 22° 5 | 28°33 | 6°16 | 6°51 | 1°54 | 25°28 | W28 |
| T 29 | 16 58 58 | 15°19'37 | 22°43 | 19°28 | 27°40 | 14° 6 | 16°11 | 10°27 | 19°23 | 22° 7 | 28°34 | 6° 9 | 6°47 | 2° 1 | 25°31 | T 29 |
| F 30 | 17 2 55 | 16°16'52 | 7♒ 2 | 21°38 | 28°47 | 14°40 | 16°16 | 10°27 | 19°21 | 22° 9 | 28°35 | 6° 4 | 6°44 | 2° 7 | 25°34 | F 30 |
| S 31 | 17 6 51 | 17♊14'06 | 20♒50 | 23♊47 | 29♋53 | 15♌15 | 16♓22 | 10♎26 | 19♏19 | 22♉12 | 28♉37 | 6♓ 2 | 6♓41 | 2♊14 | 25♈36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n24 | 26s54 | 4s 9 | 7n10 | 2s49 | 25n25 | 1n58 | 22n11 | 1n43 | 7s51 | 1s 3 | 2s 0 | 2n44 | 17s40 | 0n17 | 16n27 | 1s42 | 8n11 | 11s52 | 8s13 | 8s30 | 24n55 | 9n35 | 0n16 |
| F 2 | 17 39 | 23 51 | 3 19 | 7 47 | 2 45 | 25 29 | 2 0 | 22 4 | 1 42 | 7 47 | 1 4 | 1 59 | 2 44 | 17 39 | 0 17 | 16 28 | 1 42 | 8 11 | 11 52 | 8 14 | 8 31 | 24 57 | 9 36 | 0 16 |
| S 3 | 17 55 | 19 31 | 2 19 | 8 24 | 2 39 | 25 32 | 2 1 | 21 56 | 1 41 | 7 44 | 1 4 | 1 58 | 2 44 | 17 38 | 0 17 | 16 28 | 1 42 | 8 12 | 11 52 | 8 15 | 8 32 | 24 59 | 9 38 | 0 15 |
| S 4 | 18 10 | 14 21 | 1 13 | 9 3 | 2 34 | 25 34 | 2 3 | 21 49 | 1 40 | 7 41 | 1 4 | 1 57 | 2 44 | 17 38 | 0 17 | 16 29 | 1 42 | 8 12 | 11 52 | 8 15 | 8 33 | 25 0 | 9 39 | 0 15 |
| M 5 | 18 25 | 8 43 | 0 5 | 9 42 | 2 28 | 25 36 | 2 4 | 21 41 | 1 39 | 7 37 | 1 4 | 1 56 | 2 44 | 17 37 | 0 17 | 16 30 | 1 42 | 8 13 | 11 52 | 8 15 | 8 34 | 25 2 | 9 40 | 0 15 |
| T 6 | 18 40 | 2 51 | 1n 1 | 10 22 | 2 21 | 25 36 | 2 6 | 21 33 | 1 39 | 7 34 | 1 5 | 1 55 | 2 44 | 17 36 | 0 17 | 16 30 | 1 42 | 8 13 | 11 52 | 8 15 | 8 36 | 25 4 | 9 41 | 0 15 |
| W 7 | 18 54 | 2n59 | 2 3 | 11 3 | 2 14 | 25 37 | 2 7 | 21 25 | 1 38 | 7 31 | 1 5 | 1 54 | 2 43 | 17 36 | 0 17 | 16 31 | 1 42 | 8 13 | 11 52 | 8 16 | 8 37 | 25 5 | 9 43 | 0 15 |
| T 8 | 19 8 | 8 37 | 2 58 | 11 44 | 2 6 | 25 36 | 2 8 | 21 17 | 1 37 | 7 28 | 1 5 | 1 53 | 2 43 | 17 35 | 0 17 | 16 31 | 1 42 | 8 14 | 11 52 | 8 18 | 8 38 | 25 7 | 9 44 | 0 15 |
| F 9 | 19 22 | 13 53 | 3 45 | 12 26 | 1 58 | 25 35 | 2 9 | 21 9 | 1 36 | 7 24 | 1 5 | 1 52 | 2 43 | 17 34 | 0 17 | 16 32 | 1 42 | 8 14 | 11 52 | 8 21 | 8 39 | 25 9 | 9 45 | 0 15 |
| S 10 | 19 35 | 18 36 | 4 21 | 13 8 | 1 49 | 25 33 | 2 10 | 21 0 | 1 36 | 7 21 | 1 6 | 1 51 | 2 43 | 17 34 | 0 17 | 16 33 | 1 42 | 8 14 | 11 52 | 8 24 | 8 40 | 25 10 | 9 46 | 0 15 |
| S 11 | 19 48 | 22 35 | 4 46 | 13 51 | 1 40 | 25 30 | 2 11 | 20 52 | 1 35 | 7 18 | 1 6 | 1 51 | 2 43 | 17 33 | 0 17 | 16 33 | 1 42 | 8 15 | 11 52 | 8 29 | 8 42 | 25 12 | 9 47 | 0 15 |
| M12 | 20 1 | 25 37 | 4 58 | 14 33 | 1 31 | 25 27 | 2 12 | 20 43 | 1 34 | 7 15 | 1 6 | 1 50 | 2 42 | 17 32 | 0 17 | 16 34 | 1 42 | 8 15 | 11 52 | 8 34 | 8 43 | 25 13 | 9 49 | 0 15 |
| T 13 | 20 14 | 27 32 | 4 58 | 15 16 | 1 21 | 25 23 | 2 13 | 20 34 | 1 33 | 7 12 | 1 6 | 1 49 | 2 42 | 17 32 | 0 17 | 16 34 | 1 42 | 8 15 | 11 52 | 8 39 | 8 44 | 25 15 | 9 50 | 0 15 |
| W14 | 20 26 | 28 12 | 4 44 | 15 59 | 1 11 | 25 19 | 2 14 | 20 25 | 1 33 | 7 10 | 1 7 | 1 49 | 2 42 | 17 31 | 0 17 | 16 35 | 1 42 | 8 15 | 11 52 | 8 44 | 8 45 | 25 16 | 9 51 | 0 15 |
| T 15 | 20 37 | 27 33 | 4 18 | 16 41 | 1 1 | 25 13 | 2 14 | 20 16 | 1 32 | 7 7 | 1 7 | 1 48 | 2 42 | 17 30 | 0 17 | 16 35 | 1 42 | 8 16 | 11 51 | 8 48 | 8 46 | 25 18 | 9 52 | 0 15 |
| F 16 | 20 49 | 25 36 | 3 40 | 17 23 | 0 50 | 25 7 | 2 15 | 20 7 | 1 31 | 7 4 | 1 7 | 1 47 | 2 41 | 17 30 | 0 17 | 16 36 | 1 42 | 8 16 | 11 51 | 8 51 | 8 48 | 25 20 | 9 53 | 0 15 |
| S 17 | 21 0 | 22 26 | 2 52 | 18 5 | 0 40 | 25 1 | 2 15 | 19 58 | 1 30 | 7 1 | 1 7 | 1 47 | 2 41 | 17 29 | 0 17 | 16 37 | 1 42 | 8 16 | 11 51 | 8 53 | 8 49 | 25 21 | 9 54 | 0 14 |
| S 18 | 21 10 | 18 13 | 1 54 | 18 46 | 0 29 | 24 53 | 2 16 | 19 48 | 1 30 | 6 59 | 1 8 | 1 46 | 2 41 | 17 29 | 0 17 | 16 37 | 1 42 | 8 17 | 11 51 | 8 54 | 8 50 | 25 23 | 9 55 | 0 14 |
| M19 | 21 21 | 13 6 | 0 50 | 19 25 | 0 18 | 24 45 | 2 16 | 19 39 | 1 29 | 6 56 | 1 8 | 1 46 | 2 41 | 17 28 | 0 17 | 16 38 | 1 42 | 8 17 | 11 51 | 8 55 | 8 51 | 25 24 | 9 56 | 0 14 |
| T 20 | 21 30 | 7 18 | 0s19 | 20 4 | 0 7 | 24 37 | 2 16 | 19 29 | 1 28 | 6 54 | 1 8 | 1 45 | 2 41 | 17 27 | 0 17 | 16 38 | 1 42 | 8 17 | 11 51 | 8 55 | 8 52 | 25 26 | 9 57 | 0 14 |
| W21 | 21 40 | 0 59 | 1 28 | 20 41 | 0n 3 | 24 27 | 2 16 | 19 19 | 1 27 | 6 51 | 1 9 | 1 45 | 2 40 | 17 27 | 0 17 | 16 39 | 1 42 | 8 17 | 11 51 | 8 55 | 8 53 | 25 27 | 9 59 | 0 14 |
| T 22 | 21 49 | 5s34 | 2 35 | 21 17 | 0 14 | 24 18 | 2 16 | 19 10 | 1 27 | 6 49 | 1 9 | 1 45 | 2 40 | 17 26 | 0 17 | 16 39 | 1 42 | 8 18 | 11 51 | 8 56 | 8 55 | 25 29 | 10 0 | 0 14 |
| F 23 | 21 58 | 12 3 | 3 34 | 21 50 | 0 24 | 24 7 | 2 16 | 19 0 | 1 26 | 6 46 | 1 9 | 1 44 | 2 40 | 17 25 | 0 17 | 16 40 | 1 42 | 8 18 | 11 51 | 8 57 | 8 56 | 25 30 | 10 1 | 0 14 |
| S 24 | 22 6 | 18 3 | 4 21 | 22 22 | 0 35 | 23 56 | 2 15 | 18 50 | 1 25 | 6 44 | 1 9 | 1 44 | 2 40 | 17 25 | 0 17 | 16 40 | 1 42 | 8 18 | 11 51 | 9 0 | 8 57 | 25 32 | 10 2 | 0 14 |
| S 25 | 22 14 | 23 5 | 4 51 | 22 52 | 0 44 | 23 44 | 2 15 | 18 39 | 1 24 | 6 42 | 1 10 | 1 44 | 2 39 | 17 24 | 0 17 | 16 41 | 1 42 | 8 19 | 11 51 | 9 3 | 8 58 | 25 33 | 10 3 | 0 14 |
| M26 | 22 22 | 26 35 | 5 0 | 23 19 | 0 54 | 23 32 | 2 15 | 18 29 | 1 24 | 6 40 | 1 10 | 1 44 | 2 39 | 17 24 | 0 17 | 16 41 | 1 42 | 8 19 | 11 52 | 9 7 | 8 59 | 25 35 | 10 4 | 0 14 |
| T 27 | 22 29 | 28 7 | 4 48 | 23 43 | 1 3 | 23 19 | 2 14 | 18 19 | 1 23 | 6 37 | 1 10 | 1 44 | 2 39 | 17 23 | 0 17 | 16 42 | 1 42 | 8 19 | 11 52 | 9 11 | 9 1 | 25 36 | 10 5 | 0 14 |
| W28 | 22 36 | 27 32 | 4 16 | 24 5 | 1 11 | 23 6 | 2 13 | 18 8 | 1 22 | 6 35 | 1 10 | 1 44 | 2 39 | 17 22 | 0 17 | 16 43 | 1 42 | 8 19 | 11 52 | 9 14 | 9 2 | 25 38 | 10 6 | 0 14 |
| T 29 | 22 43 | 25 0 | 3 27 | 24 24 | 1 19 | 22 51 | 2 12 | 17 57 | 1 22 | 6 33 | 1 11 | 1 44 | 2 38 | 17 22 | 0 17 | 16 43 | 1 42 | 8 20 | 11 52 | 9 17 | 9 3 | 25 39 | 10 7 | 0 14 |
| F 30 | 22 49 | 20 57 | 2 27 | 24 41 | 1 26 | 22 37 | 2 11 | 17 47 | 1 21 | 6 32 | 1 11 | 1 44 | 2 38 | 17 21 | 0 17 | 16 44 | 1 42 | 8 20 | 11 52 | 9 19 | 9 4 | 25 41 | 10 7 | 0 14 |
| S 31 | 22n54 | 15s51 | 1s19 | 24n54 | 1n32 | 22n22 | 2n10 | 17n36 | 1n20 | 6s30 | 1s11 | 1s44 | 2n38 | 17s21 | 0n17 | 16n44 | 1s42 | 8n20 | 11s52 | 9s20 | 9s 5 | 25n42 | 10n 8 | 0n13 |

Julian Day Number = 2229971.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'39, Lahiri = 15°23'40 Julian Calendar 1 May 1393 == Greg. Calendar 9 May 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## JUNE 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 10 48 | 18♊11'20 | 4♓10 | 25♊54 | 0♌59 | 15♌49 | 16♓27 | 10°R26 | 19°R17 | 22♉14 | 28♉38 | 6°D 1 | 6♓38 | 2♊21 | 25♈39 | S 1 |
| M 2 | 17 14 44 | 19° 8'34 | 17° 4 | 28° 0 | 2° 5 | 16°24 | 16°32 | 10♎25 | 19♏15 | 22°16 | 28°39 | 6°R 1 | 6°35 | 2°28 | 25°42 | M 2 |
| T 3 | 17 18 41 | 20° 5'47 | 29°37 | 0♋ 4 | 3°11 | 16°58 | 16°37 | 10°25 | 19°13 | 22°18 | 28°41 | 6♓ 1 | 6°32 | 2°34 | 25°44 | T 3 |
| W 4 | 17 22 37 | 21° 3'00 | 11♈53 | 2° 6 | 4°17 | 17°33 | 16°42 | 10°25 | 19°11 | 22°20 | 28°42 | 5°59 | 6°28 | 2°41 | 25°47 | W 4 |
| T 5 | 17 26 34 | 22° 0'14 | 23°57 | 4° 7 | 5°23 | 18° 8 | 16°46 | 10°D25 | 19° 9 | 22°22 | 28°43 | 5°55 | 6°25 | 2°48 | 25°49 | T 5 |
| F 6 | 17 30 30 | 22°57'27 | 5♉53 | 6° 5 | 6°28 | 18°43 | 16°51 | 10°25 | 19° 7 | 22°24 | 28°44 | 5°49 | 6°22 | 2°54 | 25°52 | F 6 |
| S 7 | 17 34 27 | 23°54'40 | 17°45 | 8° 1 | 7°33 | 19°18 | 16°55 | 10°25 | 19° 5 | 22°26 | 28°46 | 5°39 | 6°19 | 3° 1 | 25°54 | S 7 |
| S 8 | 17 38 24 | 24°51'53 | 29°36 | 9°56 | 8°38 | 19°53 | 16°59 | 10°25 | 19° 3 | 22°28 | 28°47 | 5°28 | 6°16 | 3° 8 | 25°57 | S 8 |
| M 9 | 17 42 20 | 25°49'05 | 11♊29 | 11°48 | 9°43 | 20°28 | 17° 3 | 10°26 | 19° 1 | 22°30 | 28°48 | 5°16 | 6°12 | 3°15 | 25°59 | M 9 |
| T 10 | 17 46 17 | 26°46'18 | 23°24 | 13°38 | 10°47 | 21° 3 | 17° 7 | 10°26 | 18°59 | 22°32 | 28°49 | 5° 3 | 6° 9 | 3°21 | 26° 1 | T 10 |
| W11 | 17 50 13 | 27°43'30 | 5♋24 | 15°26 | 11°52 | 21°38 | 17°10 | 10°27 | 18°58 | 22°34 | 28°51 | 4°52 | 6° 6 | 3°28 | 26° 4 | W11 |
| T 12 | 17 54 10 | 28°40'43 | 17°30 | 17°12 | 12°56 | 22°14 | 17°14 | 10°27 | 18°56 | 22°35 | 28°52 | 4°42 | 6° 3 | 3°35 | 26° 6 | T 12 |
| F 13 | 17 58 6 | 29°37'55 | 29°42 | 18°56 | 14° 0 | 22°49 | 17°17 | 10°28 | 18°54 | 22°37 | 28°53 | 4°34 | 6° 0 | 3°42 | 26° 8 | F 13 |
| S 14 | 18 2 3 | 0♋35'06 | 12♌ 4 | 20°37 | 15° 3 | 23°24 | 17°20 | 10°29 | 18°52 | 22°39 | 28°54 | 4°30 | 5°57 | 3°48 | 26°10 | S 14 |
| S 15 | 18 6 0 | 1°32'18 | 24°37 | 22°17 | 16° 7 | 24° 0 | 17°22 | 10°30 | 18°51 | 22°41 | 28°55 | 4°27 | 5°53 | 3°55 | 26°12 | S 15 |
| M16 | 18 9 56 | 2°29'29 | 7♍24 | 23°54 | 17°10 | 24°35 | 17°25 | 10°31 | 18°49 | 22°43 | 28°57 | 4°D27 | 5°50 | 4° 2 | 26°14 | M16 |
| T 17 | 18 13 53 | 3°26'40 | 20°28 | 25°29 | 18°13 | 25°11 | 17°27 | 10°32 | 18°48 | 22°45 | 28°58 | 4°27 | 5°47 | 4° 8 | 26°16 | T 17 |
| W18 | 18 17 49 | 4°23'50 | 3♎52 | 27° 2 | 19°15 | 25°47 | 17°30 | 10°33 | 18°46 | 22°47 | 28°59 | 4°R28 | 5°44 | 4°15 | 26°18 | W18 |
| T 19 | 18 21 46 | 5°21'01 | 17°38 | 28°32 | 20°18 | 26°22 | 17°32 | 10°35 | 18°45 | 22°48 | 29° 0 | 4°27 | 5°41 | 4°22 | 26°20 | T 19 |
| F 20 | 18 25 42 | 6°18'11 | 1♏48 | 0♌ 1 | 21°20 | 26°58 | 17°33 | 10°36 | 18°43 | 22°50 | 29° 1 | 4°25 | 5°38 | 4°29 | 26°22 | F 20 |
| S 21 | 18 29 39 | 7°15'21 | 16°21 | 1°27 | 22°22 | 27°34 | 17°35 | 10°38 | 18°42 | 22°52 | 29° 2 | 4°20 | 5°34 | 4°35 | 26°24 | S 21 |
| S 22 | 18 33 35 | 8°12'31 | 1♐12 | 2°50 | 23°23 | 28°10 | 17°37 | 10°39 | 18°41 | 22°53 | 29° 3 | 4°14 | 5°31 | 4°42 | 26°25 | S 22 |
| M23 | 18 37 32 | 9° 9'41 | 16°15 | 4°12 | 24°24 | 28°46 | 17°38 | 10°41 | 18°39 | 22°55 | 29° 4 | 4° 6 | 5°28 | 4°49 | 26°27 | M23 |
| T 24 | 18 41 29 | 10° 6'51 | 1♑20 | 5°31 | 25°25 | 29°22 | 17°39 | 10°43 | 18°38 | 22°57 | 29° 6 | 3°58 | 5°25 | 4°56 | 26°29 | T 24 |
| W25 | 18 45 25 | 11° 4'02 | 16°18 | 6°48 | 26°26 | 29°58 | 17°40 | 10°45 | 18°37 | 22°58 | 29° 7 | 3°51 | 5°22 | 5° 2 | 26°30 | W25 |
| T 26 | 18 49 22 | 12° 1'12 | 1♒ 0 | 8° 2 | 27°26 | 0♍34 | 17°40 | 10°47 | 18°36 | 23° 0 | 29° 8 | 3°45 | 5°18 | 5° 9 | 26°32 | T 26 |
| F 27 | 18 53 18 | 12°58'24 | 15°19 | 9°14 | 28°26 | 1°10 | 17°41 | 10°49 | 18°35 | 23° 2 | 29° 9 | 3°41 | 5°15 | 5°16 | 26°33 | F 27 |
| S 28 | 18 57 15 | 13°55'35 | 29°11 | 10°23 | 29°25 | 1°47 | 17°41 | 10°51 | 18°34 | 23° 3 | 29°10 | 3°D40 | 5°12 | 5°22 | 26°35 | S 28 |
| S 29 | 19 1 11 | 14°52'47 | 12♓35 | 11°30 | 0♍24 | 2°23 | 17°R41 | 10°54 | 18°32 | 23° 5 | 29°11 | 3°40 | 5° 9 | 5°29 | 26°36 | S 29 |
| M30 | 19 5 8 | 15♋50'00 | 25♓34 | 12♌34 | 1♍23 | 2♍59 | 17♓41 | 10♎56 | 18♏32 | 23♉ 6 | 29♉12 | 3♓41 | 5♓ 6 | 5♊36 | 26♈37 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n 0 | 10s10 | 0s10 | 25n 5 | 1n38 | 22n 6 | 2n 9 | 17n25 | 1n19 | 6s28 | 1s12 | 1s44 | 2n38 | 17s20 | 0n17 | 16n45 | 1s42 | 8n20 | 11s52 | 9s20 | 9s 6 | 25n44 | 10n 9 | 0n13 |
| M 2 | 23 4 | 4 14 | 0n58 | 25 13 | 1 43 | 21 50 | 2 8 | 17 14 | 1 19 | 6 26 | 1 12 | 1 44 | 2 37 | 17 20 | 0 17 | 16 45 | 1 42 | 8 20 | 11 52 | 9 20 | 9 8 | 25 45 | 10 10 | 0 13 |
| T 3 | 23 9 | 1n42 | 2 2 | 25 18 | 1 47 | 21 33 | 2 6 | 17 2 | 1 18 | 6 24 | 1 12 | 1 44 | 2 37 | 17 19 | 0 17 | 16 46 | 1 42 | 8 21 | 11 52 | 9 20 | 9 9 | 25 46 | 10 11 | 0 13 |
| W 4 | 23 13 | 7 26 | 2 58 | 25 21 | 1 51 | 21 16 | 2 5 | 16 51 | 1 17 | 6 23 | 1 12 | 1 44 | 2 37 | 17 19 | 0 17 | 16 46 | 1 42 | 8 21 | 11 52 | 9 21 | 9 10 | 25 48 | 10 12 | 0 13 |
| T 5 | 23 17 | 12 48 | 3 45 | 25 21 | 1 54 | 20 59 | 2 3 | 16 40 | 1 17 | 6 21 | 1 13 | 1 44 | 2 37 | 17 18 | 0 17 | 16 47 | 1 42 | 8 21 | 11 52 | 9 22 | 9 11 | 25 49 | 10 13 | 0 13 |
| F 6 | 23 20 | 17 38 | 4 22 | 25 18 | 1 56 | 20 40 | 2 1 | 16 28 | 1 16 | 6 20 | 1 13 | 1 45 | 2 36 | 17 18 | 0 17 | 16 47 | 1 42 | 8 21 | 11 52 | 9 25 | 9 12 | 25 51 | 10 14 | 0 13 |
| S 7 | 23 23 | 21 46 | 4 47 | 25 13 | 1 57 | 20 22 | 1 59 | 16 17 | 1 15 | 6 19 | 1 13 | 1 45 | 2 36 | 17 17 | 0 17 | 16 48 | 1 42 | 8 21 | 11 52 | 9 28 | 9 14 | 25 52 | 10 15 | 0 13 |
| S 8 | 23 25 | 25 0 | 5 0 | 25 6 | 1 58 | 20 3 | 1 57 | 16 5 | 1 15 | 6 17 | 1 14 | 1 45 | 2 36 | 17 17 | 0 17 | 16 48 | 1 42 | 8 22 | 11 52 | 9 32 | 9 15 | 25 54 | 10 15 | 0 13 |
| M 9 | 23 27 | 27 11 | 4 59 | 24 57 | 1 58 | 19 43 | 1 55 | 15 53 | 1 14 | 6 16 | 1 14 | 1 46 | 2 36 | 17 16 | 0 17 | 16 49 | 1 42 | 8 22 | 11 52 | 9 37 | 9 16 | 25 55 | 10 16 | 0 13 |
| T 10 | 23 29 | 28 7 | 4 46 | 24 45 | 1 57 | 19 23 | 1 53 | 15 41 | 1 13 | 6 15 | 1 14 | 1 46 | 2 35 | 17 16 | 0 17 | 16 49 | 1 42 | 8 22 | 11 52 | 9 41 | 9 17 | 25 56 | 10 17 | 0 13 |
| W11 | 23 30 | 27 45 | 4 20 | 24 32 | 1 55 | 19 3 | 1 50 | 15 29 | 1 13 | 6 14 | 1 15 | 1 46 | 2 35 | 17 15 | 0 17 | 16 49 | 1 42 | 8 22 | 11 52 | 9 46 | 9 18 | 25 58 | 10 18 | 0 13 |
| T 12 | 23 31 | 26 3 | 3 42 | 24 17 | 1 53 | 18 42 | 1 47 | 15 17 | 1 12 | 6 13 | 1 15 | 1 47 | 2 35 | 17 15 | 0 17 | 16 50 | 1 42 | 8 22 | 11 52 | 9 49 | 9 19 | 25 59 | 10 18 | 0 13 |
| F 13 | 23 31 | 23 7 | 2 54 | 24 0 | 1 50 | 18 21 | 1 45 | 15 5 | 1 11 | 6 12 | 1 15 | 1 47 | 2 35 | 17 14 | 0 17 | 16 50 | 1 42 | 8 22 | 11 53 | 9 52 | 9 21 | 26 0 | 10 19 | 0 13 |
| S 14 | 23 31 | 19 6 | 1 56 | 23 42 | 1 47 | 18 0 | 1 42 | 14 52 | 1 10 | 6 11 | 1 16 | 1 48 | 2 34 | 17 14 | 0 17 | 16 51 | 1 42 | 8 23 | 11 53 | 9 54 | 9 22 | 26 2 | 10 20 | 0 13 |
| S 15 | 23 31 | 14 11 | 0 52 | 23 22 | 1 43 | 17 38 | 1 39 | 14 40 | 1 10 | 6 10 | 1 16 | 1 49 | 2 34 | 17 13 | 0 17 | 16 51 | 1 42 | 8 23 | 11 53 | 9 55 | 9 23 | 26 3 | 10 21 | 0 12 |
| M16 | 23 30 | 8 35 | 0s16 | 23 1 | 1 39 | 17 16 | 1 36 | 14 27 | 1 9 | 6 9 | 1 16 | 1 49 | 2 34 | 17 13 | 0 16 | 16 52 | 1 42 | 8 23 | 11 53 | 9 55 | 9 24 | 26 4 | 10 21 | 0 12 |
| T 17 | 23 29 | 2 30 | 1 24 | 22 39 | 1 33 | 16 53 | 1 32 | 14 15 | 1 8 | 6 9 | 1 16 | 1 50 | 2 34 | 17 13 | 0 16 | 16 52 | 1 42 | 8 23 | 11 53 | 9 54 | 9 25 | 26 6 | 10 22 | 0 12 |
| W18 | 23 27 | 3s50 | 2 30 | 22 15 | 1 28 | 16 30 | 1 29 | 14 2 | 1 8 | 6 8 | 1 17 | 1 51 | 2 33 | 17 12 | 0 16 | 16 53 | 1 43 | 8 23 | 11 53 | 9 54 | 9 26 | 26 7 | 10 22 | 0 12 |
| T 19 | 23 25 | 10 10 | 3 29 | 21 51 | 1 22 | 16 7 | 1 26 | 13 49 | 1 7 | 6 8 | 1 17 | 1 51 | 2 33 | 17 12 | 0 16 | 16 53 | 1 43 | 8 23 | 11 53 | 9 55 | 9 28 | 26 8 | 10 23 | 0 12 |
| F 20 | 23 22 | 16 10 | 4 17 | 21 26 | 1 15 | 15 44 | 1 22 | 13 36 | 1 6 | 6 7 | 1 17 | 1 52 | 2 33 | 17 11 | 0 16 | 16 53 | 1 43 | 8 23 | 11 53 | 9 55 | 9 29 | 26 10 | 10 24 | 0 12 |
| S 21 | 23 19 | 21 25 | 4 50 | 21 0 | 1 7 | 15 20 | 1 18 | 13 23 | 1 6 | 6 7 | 1 18 | 1 53 | 2 32 | 17 11 | 0 16 | 16 54 | 1 43 | 8 24 | 11 53 | 9 57 | 9 30 | 26 11 | 10 24 | 0 12 |
| S 22 | 23 16 | 25 26 | 5 5 | 20 34 | 1 0 | 14 56 | 1 14 | 13 10 | 1 5 | 6 6 | 1 18 | 1 54 | 2 32 | 17 11 | 0 16 | 16 54 | 1 43 | 8 24 | 11 53 | 10 0 | 9 31 | 26 12 | 10 25 | 0 12 |
| M23 | 23 12 | 27 45 | 4 58 | 20 6 | 0 52 | 14 32 | 1 10 | 12 57 | 1 4 | 6 6 | 1 18 | 1 55 | 2 32 | 17 10 | 0 16 | 16 55 | 1 43 | 8 24 | 11 54 | 10 2 | 9 32 | 26 14 | 10 25 | 0 12 |
| T 24 | 23 8 | 28 2 | 4 31 | 19 39 | 0 43 | 14 7 | 1 6 | 12 44 | 1 4 | 6 6 | 1 19 | 1 56 | 2 32 | 17 10 | 0 16 | 16 55 | 1 43 | 8 24 | 11 54 | 10 5 | 9 33 | 26 15 | 10 26 | 0 12 |
| W25 | 23 3 | 26 15 | 3 46 | 19 11 | 0 34 | 13 43 | 1 1 | 12 30 | 1 3 | 6 6 | 1 19 | 1 57 | 2 31 | 17 10 | 0 16 | 16 55 | 1 43 | 8 24 | 11 54 | 10 8 | 9 35 | 26 16 | 10 26 | 0 12 |
| T 26 | 22 58 | 22 42 | 2 46 | 18 43 | 0 24 | 13 18 | 0 57 | 12 17 | 1 2 | 6 6 | 1 19 | 1 58 | 2 31 | 17 9 | 0 16 | 16 56 | 1 43 | 8 24 | 11 54 | 10 10 | 9 36 | 26 17 | 10 27 | 0 12 |
| F 27 | 22 53 | 17 51 | 1 37 | 18 14 | 0 14 | 12 53 | 0 52 | 12 3 | 1 2 | 6 6 | 1 20 | 1 59 | 2 31 | 17 9 | 0 16 | 16 56 | 1 43 | 8 24 | 11 54 | 10 11 | 9 37 | 26 19 | 10 27 | 0 12 |
| S 28 | 22 47 | 12 10 | 0 24 | 17 46 | 0 4 | 12 27 | 0 47 | 11 50 | 1 1 | 6 6 | 1 20 | 2 0 | 2 31 | 17 9 | 0 16 | 16 56 | 1 43 | 8 24 | 11 54 | 10 12 | 9 38 | 26 20 | 10 28 | 0 12 |
| S 29 | 22 41 | 6 7 | 0n48 | 17 17 | 0s 7 | 12 2 | 0 42 | 11 36 | 1 0 | 6 7 | 1 20 | 2 1 | 2 30 | 17 9 | 0 16 | 16 57 | 1 43 | 8 24 | 11 54 | 10 12 | 9 39 | 26 21 | 10 28 | 0 11 |
| M30 | 22n35 | 0s 0 | 1n55 | 16n49 | 0s18 | 11n36 | 0n37 | 11n22 | 1n 0 | 6s 7 | 1s20 | 2s 2 | 2n30 | 17s 8 | 0n16 | 16n57 | 1s43 | 8n24 | 11s55 | 10s11 | 9s40 | 26n22 | 10n29 | 0n11 |

Julian Day Number = 2230002.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'44, Lahiri = 15°23'44 Julian Calendar 1 June 1393 == Greg. Calendar 9 June 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## JULY 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 9 4 | 16♋47'13 | 8♈10 | 13♌35 | 2♍21 | 3♍36 | 17°R41 | 10♎58 | 18°R31 | 23♉ 8 | 29♉13 | 3♓42 | 5♓ 3 | 5♊43 | 26♈39 | T 1 |
| W 2 | 19 13 1 | 17°44'27 | 20°29 | 14°33 | 3°19 | 4°12 | 17♓40 | 11° 1 | 18♏30 | 23° 9 | 29°14 | 3°R43 | 4°59 | 5°49 | 26°40 | W 2 |
| T 3 | 19 16 58 | 18°41'42 | 2♉34 | 15°28 | 4°17 | 4°49 | 17°40 | 11° 4 | 18°29 | 23°11 | 29°15 | 3°42 | 4°56 | 5°56 | 26°41 | T 3 |
| F 4 | 19 20 54 | 19°38'58 | 14°30 | 16°19 | 5°14 | 5°26 | 17°39 | 11° 6 | 18°28 | 23°12 | 29°16 | 3°39 | 4°53 | 6° 3 | 26°42 | F 4 |
| S 5 | 19 24 51 | 20°36'15 | 26°22 | 17° 8 | 6°11 | 6° 2 | 17°38 | 11° 9 | 18°27 | 23°14 | 29°17 | 3°34 | 4°50 | 6° 9 | 26°43 | S 5 |
| S 6 | 19 28 47 | 21°33'33 | 8♊14 | 17°53 | 7° 7 | 6°39 | 17°37 | 11°12 | 18°27 | 23°15 | 29°17 | 3°28 | 4°47 | 6°16 | 26°44 | S 6 |
| M 7 | 19 32 44 | 22°30'51 | 20° 9 | 18°35 | 8° 3 | 7°16 | 17°35 | 11°15 | 18°26 | 23°16 | 29°18 | 3°21 | 4°44 | 6°23 | 26°45 | M 7 |
| T 8 | 19 36 40 | 23°28'10 | 2♋ 9 | 19°12 | 8°58 | 7°53 | 17°33 | 11°18 | 18°25 | 23°18 | 29°19 | 3°13 | 4°40 | 6°30 | 26°46 | T 8 |
| W 9 | 19 40 37 | 24°25'30 | 14°17 | 19°46 | 9°53 | 8°30 | 17°32 | 11°22 | 18°25 | 23°19 | 29°20 | 3° 6 | 4°37 | 6°36 | 26°47 | W 9 |
| T 10 | 19 44 33 | 25°22'51 | 26°34 | 20°16 | 10°47 | 9° 6 | 17°30 | 11°25 | 18°24 | 23°20 | 29°21 | 3° 1 | 4°34 | 6°43 | 26°48 | T 10 |
| F 11 | 19 48 30 | 26°20'13 | 9♌ 1 | 20°41 | 11°40 | 9°44 | 17°27 | 11°28 | 18°24 | 23°22 | 29°22 | 2°57 | 4°31 | 6°50 | 26°48 | F 11 |
| S 12 | 19 52 27 | 27°17'35 | 21°38 | 21° 3 | 12°34 | 10°21 | 17°25 | 11°32 | 18°23 | 23°23 | 29°23 | 2°54 | 4°28 | 6°57 | 26°49 | S 12 |
| S 13 | 19 56 23 | 28°14'58 | 4♍27 | 21°19 | 13°26 | 10°58 | 17°22 | 11°35 | 18°23 | 23°24 | 29°23 | 2°D54 | 4°24 | 7° 3 | 26°50 | S 13 |
| M14 | 20 0 20 | 29°12'21 | 17°29 | 21°31 | 14°18 | 11°35 | 17°19 | 11°39 | 18°23 | 23°25 | 29°24 | 2°54 | 4°21 | 7°10 | 26°50 | M14 |
| T 15 | 20 4 16 | 0♌ 9'46 | 0♎45 | 21°37 | 15° 9 | 12°12 | 17°16 | 11°42 | 18°23 | 23°26 | 29°25 | 2°56 | 4°18 | 7°17 | 26°51 | T 15 |
| W16 | 20 8 13 | 1° 7'10 | 14°16 | 21°R39 | 16° 0 | 12°50 | 17°13 | 11°46 | 18°22 | 23°27 | 29°26 | 2°57 | 4°15 | 7°23 | 26°51 | W16 |
| T 17 | 20 12 9 | 2° 4'36 | 28° 4 | 21°35 | 16°50 | 13°27 | 17°10 | 11°50 | 18°22 | 23°28 | 29°26 | 2°R58 | 4°12 | 7°30 | 26°52 | T 17 |
| F 18 | 20 16 6 | 3° 2'02 | 12♏ 8 | 21°27 | 17°39 | 14° 4 | 17° 6 | 11°54 | 18°22 | 23°29 | 29°27 | 2°58 | 4° 9 | 7°37 | 26°52 | F 18 |
| S 19 | 20 20 2 | 3°59'29 | 26°27 | 21°13 | 18°28 | 14°42 | 17° 2 | 11°58 | 18°D22 | 23°30 | 29°28 | 2°56 | 4° 5 | 7°44 | 26°52 | S 19 |
| S 20 | 20 23 59 | 4°56'57 | 10♐58 | 20°53 | 19°16 | 15°19 | 16°59 | 12° 2 | 18°22 | 23°31 | 29°28 | 2°54 | 4° 2 | 7°50 | 26°52 | S 20 |
| M21 | 20 27 56 | 5°54'26 | 25°38 | 20°29 | 20° 3 | 15°57 | 16°54 | 12° 6 | 18°22 | 23°32 | 29°29 | 2°50 | 3°59 | 7°57 | 26°52 | M21 |
| T 22 | 20 31 52 | 6°51'55 | 10♑19 | 19°59 | 20°49 | 16°35 | 16°50 | 12°11 | 18°22 | 23°33 | 29°30 | 2°47 | 3°56 | 8° 4 | 26°53 | T 22 |
| W23 | 20 35 49 | 7°49'26 | 24°55 | 19°25 | 21°34 | 17°12 | 16°46 | 12°15 | 18°22 | 23°34 | 29°30 | 2°43 | 3°53 | 8°11 | 26°R53 | W23 |
| T 24 | 20 39 45 | 8°46'57 | 9♒20 | 18°47 | 22°19 | 17°50 | 16°41 | 12°19 | 18°23 | 23°35 | 29°31 | 2°41 | 3°50 | 8°17 | 26°53 | T 24 |
| F 25 | 20 43 42 | 9°44'30 | 23°27 | 18° 4 | 23° 2 | 18°28 | 16°36 | 12°24 | 18°23 | 23°36 | 29°32 | 2°40 | 3°46 | 8°24 | 26°53 | F 25 |
| S 26 | 20 47 38 | 10°42'04 | 7♓13 | 17°19 | 23°45 | 19° 6 | 16°31 | 12°28 | 18°23 | 23°37 | 29°32 | 2°D40 | 3°43 | 8°31 | 26°52 | S 26 |
| S 27 | 20 51 35 | 11°39'39 | 20°36 | 16°31 | 24°26 | 19°44 | 16°26 | 12°33 | 18°24 | 23°37 | 29°33 | 2°40 | 3°40 | 8°37 | 26°52 | S 27 |
| M28 | 20 55 32 | 12°37'16 | 3♈36 | 15°41 | 25° 7 | 20°22 | 16°21 | 12°38 | 18°24 | 23°38 | 29°33 | 2°42 | 3°37 | 8°44 | 26°52 | M28 |
| T 29 | 20 59 28 | 13°34'54 | 16°15 | 14°51 | 25°47 | 21° 0 | 16°16 | 12°42 | 18°25 | 23°39 | 29°34 | 2°43 | 3°34 | 8°51 | 26°52 | T 29 |
| W30 | 21 3 25 | 14°32'33 | 28°36 | 14° 1 | 26°25 | 21°38 | 16°10 | 12°47 | 18°25 | 23°40 | 29°34 | 2°44 | 3°30 | 8°58 | 26°51 | W30 |
| T 31 | 21 7 21 | 15♌30'15 | 10♉43 | 13♌11 | 27♍ 2 | 22♍16 | 16♓ 4 | 12♎52 | 18♏26 | 23♉40 | 29♉35 | 2°R45 | 3♓27 | 9♊ 4 | 26♈51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n28 | 5n56 | 2n55 | 16n20 | 0s29 | 11n10 | 0n32 | 11n 8 | 0n59 | 6s 7 | 1s21 | 2s 3 | 2n30 | 17s 8 | 0n16 | 16n57 | 1s43 | 8n24 | 11s55 | 10s11 | 9s42 | 26n24 | 10n29 | 0n11 |
| W 2 | 22 20 | 11 30 | 3 45 | 15 52 | 0 41 | 10 44 | 0 27 | 10 54 | 0 58 | 6 8 | 1 21 | 2 5 | 2 30 | 17 8 | 0 16 | 16 58 | 1 43 | 8 24 | 11 55 | 10 11 | 9 43 | 26 25 | 10 29 | 0 11 |
| T 3 | 22 13 | 16 32 | 4 24 | 15 25 | 0 53 | 10 18 | 0 21 | 10 40 | 0 58 | 6 8 | 1 21 | 2 6 | 2 29 | 17 8 | 0 16 | 16 58 | 1 43 | 8 24 | 11 55 | 10 11 | 9 44 | 26 26 | 10 30 | 0 11 |
| F 4 | 22 5 | 20 53 | 4 52 | 14 58 | 1 5 | 9 52 | 0 16 | 10 26 | 0 57 | 6 9 | 1 22 | 2 7 | 2 29 | 17 7 | 0 16 | 16 58 | 1 43 | 8 25 | 11 55 | 10 12 | 9 45 | 26 27 | 10 30 | 0 11 |
| S 5 | 21 56 | 24 22 | 5 6 | 14 31 | 1 17 | 9 26 | 0 10 | 10 12 | 0 56 | 6 10 | 1 22 | 2 9 | 2 29 | 17 7 | 0 16 | 16 59 | 1 43 | 8 25 | 11 55 | 10 14 | 9 46 | 26 28 | 10 31 | 0 11 |
| S 6 | 21 47 | 26 49 | 5 7 | 14 6 | 1 30 | 8 59 | 0 4 | 9 58 | 0 56 | 6 10 | 1 22 | 2 10 | 2 29 | 17 7 | 0 16 | 16 59 | 1 43 | 8 25 | 11 55 | 10 16 | 9 47 | 26 29 | 10 31 | 0 11 |
| M 7 | 21 38 | 28 4 | 4 56 | 13 41 | 1 43 | 8 33 | 0s 2 | 9 43 | 0 55 | 6 11 | 1 23 | 2 11 | 2 29 | 17 7 | 0 16 | 16 59 | 1 43 | 8 25 | 11 56 | 10 19 | 9 49 | 26 31 | 10 31 | 0 11 |
| T 8 | 21 28 | 28 1 | 4 31 | 13 17 | 1 56 | 8 6 | 0 9 | 9 29 | 0 54 | 6 12 | 1 23 | 2 13 | 2 28 | 17 7 | 0 16 | 17 0 | 1 43 | 8 25 | 11 56 | 10 22 | 9 50 | 26 32 | 10 31 | 0 11 |
| W 9 | 21 18 | 26 37 | 3 53 | 12 54 | 2 9 | 7 40 | 0 15 | 9 15 | 0 54 | 6 13 | 1 23 | 2 14 | 2 28 | 17 7 | 0 16 | 17 0 | 1 43 | 8 25 | 11 56 | 10 24 | 9 51 | 26 33 | 10 32 | 0 11 |
| T 10 | 21 8 | 23 56 | 3 4 | 12 32 | 2 22 | 7 13 | 0 22 | 9 0 | 0 53 | 6 14 | 1 24 | 2 16 | 2 28 | 17 7 | 0 16 | 17 0 | 1 43 | 8 25 | 11 56 | 10 26 | 9 52 | 26 34 | 10 32 | 0 11 |
| F 11 | 20 57 | 20 6 | 2 6 | 12 11 | 2 35 | 6 46 | 0 28 | 8 45 | 0 52 | 6 16 | 1 24 | 2 17 | 2 28 | 17 6 | 0 16 | 17 0 | 1 43 | 8 25 | 11 56 | 10 28 | 9 53 | 26 35 | 10 32 | 0 11 |
| S 12 | 20 46 | 15 18 | 1 1 | 11 52 | 2 48 | 6 20 | 0 35 | 8 31 | 0 52 | 6 17 | 1 24 | 2 19 | 2 27 | 17 6 | 0 16 | 17 1 | 1 44 | 8 25 | 11 57 | 10 28 | 9 54 | 26 36 | 10 32 | 0 11 |
| S 13 | 20 35 | 9 47 | 0s 8 | 11 35 | 3 1 | 5 53 | 0 42 | 8 16 | 0 51 | 6 18 | 1 24 | 2 20 | 2 27 | 17 6 | 0 16 | 17 1 | 1 44 | 8 25 | 11 57 | 10 29 | 9 56 | 26 38 | 10 32 | 0 10 |
| M14 | 20 23 | 3 45 | 1 19 | 11 19 | 3 14 | 5 26 | 0 49 | 8 1 | 0 50 | 6 19 | 1 25 | 2 22 | 2 27 | 17 6 | 0 16 | 17 1 | 1 44 | 8 25 | 11 57 | 10 28 | 9 57 | 26 39 | 10 32 | 0 10 |
| T 15 | 20 11 | 2s32 | 2 26 | 11 5 | 3 26 | 5 0 | 0 57 | 7 46 | 0 50 | 6 21 | 1 25 | 2 24 | 2 27 | 17 6 | 0 16 | 17 1 | 1 44 | 8 25 | 11 57 | 10 28 | 9 58 | 26 40 | 10 33 | 0 10 |
| W16 | 19 59 | 8 49 | 3 27 | 10 54 | 3 38 | 4 33 | 1 4 | 7 31 | 0 49 | 6 22 | 1 25 | 2 25 | 2 26 | 17 6 | 0 16 | 17 2 | 1 44 | 8 25 | 11 57 | 10 27 | 9 59 | 26 41 | 10 33 | 0 10 |
| T 17 | 19 46 | 14 49 | 4 17 | 10 44 | 3 49 | 4 7 | 1 12 | 7 16 | 0 48 | 6 24 | 1 26 | 2 27 | 2 26 | 17 6 | 0 16 | 17 2 | 1 44 | 8 24 | 11 57 | 10 27 | 10 0 | 26 42 | 10 33 | 0 10 |
| F 18 | 19 33 | 20 10 | 4 52 | 10 36 | 4 0 | 3 40 | 1 20 | 7 1 | 0 48 | 6 26 | 1 26 | 2 29 | 2 26 | 17 6 | 0 16 | 17 2 | 1 44 | 8 24 | 11 58 | 10 27 | 10 1 | 26 43 | 10 33 | 0 10 |
| S 19 | 19 19 | 24 27 | 5 11 | 10 31 | 4 10 | 3 14 | 1 27 | 6 46 | 0 47 | 6 27 | 1 26 | 2 31 | 2 26 | 17 6 | 0 16 | 17 2 | 1 44 | 8 24 | 11 58 | 10 28 | 10 3 | 26 44 | 10 33 | 0 10 |
| S 20 | 19 6 | 27 16 | 5 10 | 10 29 | 4 20 | 2 48 | 1 36 | 6 31 | 0 47 | 6 29 | 1 26 | 2 32 | 2 26 | 17 6 | 0 16 | 17 2 | 1 44 | 8 24 | 11 58 | 10 29 | 10 4 | 26 45 | 10 33 | 0 10 |
| M21 | 18 52 | 28 15 | 4 49 | 10 29 | 4 28 | 2 22 | 1 44 | 6 16 | 0 46 | 6 31 | 1 27 | 2 34 | 2 25 | 17 6 | 0 16 | 17 3 | 1 44 | 8 24 | 11 58 | 10 30 | 10 5 | 26 46 | 10 33 | 0 10 |
| T 22 | 18 37 | 27 15 | 4 9 | 10 31 | 4 35 | 1 56 | 1 52 | 6 1 | 0 45 | 6 33 | 1 27 | 2 36 | 2 25 | 17 6 | 0 16 | 17 3 | 1 44 | 8 24 | 11 58 | 10 31 | 10 6 | 26 47 | 10 33 | 0 10 |
| W23 | 18 22 | 24 22 | 3 12 | 10 36 | 4 40 | 1 30 | 2 1 | 5 45 | 0 45 | 6 35 | 1 27 | 2 38 | 2 25 | 17 6 | 0 16 | 17 3 | 1 44 | 8 24 | 11 59 | 10 32 | 10 7 | 26 48 | 10 33 | 0 10 |
| T 24 | 18 7 | 19 59 | 2 5 | 10 44 | 4 45 | 1 5 | 2 9 | 5 30 | 0 44 | 6 37 | 1 27 | 2 40 | 2 25 | 17 6 | 0 16 | 17 3 | 1 44 | 8 24 | 11 59 | 10 33 | 10 8 | 26 49 | 10 33 | 0 10 |
| F 25 | 17 52 | 14 32 | 0 50 | 10 54 | 4 47 | 0 40 | 2 18 | 5 14 | 0 43 | 6 39 | 1 28 | 2 42 | 2 25 | 17 6 | 0 16 | 17 3 | 1 44 | 8 24 | 11 59 | 10 34 | 10 9 | 26 51 | 10 33 | 0 10 |
| S 26 | 17 37 | 8 30 | 0n25 | 11 7 | 4 48 | 0 15 | 2 27 | 4 59 | 0 43 | 6 41 | 1 28 | 2 44 | 2 24 | 17 7 | 0 16 | 17 3 | 1 44 | 8 24 | 11 59 | 10 34 | 10 11 | 26 52 | 10 32 | 0 10 |
| S 27 | 17 21 | 2 15 | 1 37 | 11 22 | 4 47 | 0s10 | 2 36 | 4 44 | 0 42 | 6 43 | 1 28 | 2 46 | 2 24 | 17 7 | 0 16 | 17 4 | 1 44 | 8 24 | 11 59 | 10 33 | 10 12 | 26 53 | 10 32 | 0 9 |
| M28 | 17 5 | 3n55 | 2 42 | 11 39 | 4 45 | 0 35 | 2 45 | 4 28 | 0 41 | 6 46 | 1 29 | 2 48 | 2 24 | 17 7 | 0 16 | 17 4 | 1 44 | 8 24 | 12 0 | 10 33 | 10 13 | 26 54 | 10 32 | 0 9 |
| T 29 | 16 48 | 9 45 | 3 37 | 11 58 | 4 40 | 0 59 | 2 55 | 4 12 | 0 41 | 6 48 | 1 29 | 2 50 | 2 24 | 17 7 | 0 16 | 17 4 | 1 44 | 8 24 | 12 0 | 10 32 | 10 14 | 26 55 | 10 32 | 0 9 |
| W30 | 16 32 | 15 4 | 4 21 | 12 19 | 4 34 | 1 23 | 3 4 | 3 57 | 0 40 | 6 50 | 1 29 | 2 52 | 2 24 | 17 7 | 0 16 | 17 4 | 1 44 | 8 23 | 12 0 | 10 32 | 10 15 | 26 56 | 10 32 | 0 9 |
| T 31 | 16n15 | 19n43 | 4n53 | 12n40 | 4s25 | 1s47 | 3s14 | 3n41 | 0n39 | 6s53 | 1s29 | 2s54 | 2n23 | 17s 7 | 0n15 | 17n 4 | 1s45 | 8n23 | 12s 0 | 10s32 | 10s16 | 26n57 | 10n32 | 0n 9 |

Julian Day Number = 2230032.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'48, Lahiri = 15°23'48 Julian Calendar 1 July 1393 == Greg. Calendar 9 July 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## AUGUST 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 11 18 | 16♌27'58 | 22♉41 | 12°R24 | 27♍38 | 22♍54 | 15°R58 | 12♎57 | 18♏26 | 23♉41 | 29♉35 | 2°R45 | 3♓24 | 9♊11 | 26°R50 | F 1 |
| S 2 | 21 15 14 | 17°25'42 | 4♊34 | 11♌41 | 28°13 | 23°32 | 15♓52 | 13° 2 | 18°27 | 23°41 | 29°35 | 2♓44 | 3°21 | 9°18 | 26♈50 | S 2 |
| S 3 | 21 19 11 | 18°23'29 | 16°28 | 11° 1 | 28°47 | 24°11 | 15°46 | 13° 7 | 18°28 | 23°42 | 29°36 | 2°43 | 3°18 | 9°24 | 26°49 | S 3 |
| M 4 | 21 23 7 | 19°21'17 | 28°25 | 10°26 | 29°19 | 24°49 | 15°40 | 13°12 | 18°29 | 23°42 | 29°36 | 2°41 | 3°15 | 9°31 | 26°49 | M 4 |
| T 5 | 21 27 4 | 20°19'07 | 10♋30 | 9°57 | 29°50 | 25°27 | 15°34 | 13°18 | 18°29 | 23°43 | 29°37 | 2°39 | 3°11 | 9°38 | 26°48 | T 5 |
| W 6 | 21 31 1 | 21°16'58 | 22°45 | 9°34 | 0♎19 | 26° 6 | 15°27 | 13°23 | 18°30 | 23°43 | 29°37 | 2°38 | 3° 8 | 9°45 | 26°47 | W 6 |
| T 7 | 21 34 57 | 22°14'51 | 5♌14 | 9°18 | 0°47 | 26°44 | 15°20 | 13°28 | 18°31 | 23°44 | 29°37 | 2°36 | 3° 5 | 9°51 | 26°46 | T 7 |
| F 8 | 21 38 54 | 23°12'45 | 17°56 | 9°10 | 1°14 | 27°23 | 15°14 | 13°34 | 18°32 | 23°44 | 29°37 | 2°35 | 3° 2 | 9°58 | 26°46 | F 8 |
| S 9 | 21 42 50 | 24°10'41 | 0♍53 | 9°D 9 | 1°39 | 28° 2 | 15° 7 | 13°39 | 18°33 | 23°45 | 29°38 | 2°D35 | 2°59 | 10° 5 | 26°45 | S 9 |
| S 10 | 21 46 47 | 25° 8'39 | 14° 4 | 9°16 | 2° 2 | 28°40 | 15° 0 | 13°45 | 18°34 | 23°45 | 29°38 | 2°35 | 2°56 | 10°12 | 26°44 | S 10 |
| M11 | 21 50 43 | 26° 6'38 | 27°29 | 9°32 | 2°23 | 29°19 | 14°53 | 13°50 | 18°35 | 23°45 | 29°38 | 2°36 | 2°52 | 10°18 | 26°43 | M11 |
| T 12 | 21 54 40 | 27° 4'38 | 11♎ 7 | 9°56 | 2°43 | 29°58 | 14°45 | 13°56 | 18°37 | 23°45 | 29°38 | 2°36 | 2°49 | 10°25 | 26°42 | T 12 |
| W13 | 21 58 36 | 28° 2'40 | 24°57 | 10°28 | 3° 1 | 0♎37 | 14°38 | 14° 2 | 18°38 | 23°46 | 29°39 | 2°37 | 2°46 | 10°32 | 26°40 | W13 |
| T 14 | 22 2 33 | 29° 0'44 | 8♏56 | 11° 7 | 3°17 | 1°16 | 14°31 | 14° 8 | 18°39 | 23°46 | 29°39 | 2°37 | 2°43 | 10°38 | 26°39 | T 14 |
| F 15 | 22 6 29 | 29°58'48 | 23° 3 | 11°55 | 3°31 | 1°55 | 14°23 | 14°13 | 18°41 | 23°46 | 29°39 | 2°37 | 2°40 | 10°45 | 26°38 | F 15 |
| S 16 | 22 10 26 | 0♍56'55 | 7♐16 | 12°50 | 3°42 | 2°34 | 14°16 | 14°19 | 18°42 | 23°46 | 29°39 | 2°R37 | 2°36 | 10°52 | 26°37 | S 16 |
| S 17 | 22 14 23 | 1°55'02 | 21°32 | 13°52 | 3°52 | 3°13 | 14° 8 | 14°25 | 18°43 | 23°46 | 29°39 | 2°37 | 2°33 | 10°59 | 26°35 | S 17 |
| M18 | 22 18 19 | 2°53'12 | 5♑49 | 15° 1 | 4° 0 | 3°52 | 14° 1 | 14°31 | 18°45 | 23°46 | 29°39 | 2°D37 | 2°30 | 11° 5 | 26°34 | M18 |
| T 19 | 22 22 16 | 3°51'22 | 20° 4 | 16°16 | 4° 5 | 4°31 | 13°53 | 14°37 | 18°46 | 23°R46 | 29°39 | 2°37 | 2°27 | 11°12 | 26°33 | T 19 |
| W20 | 22 26 12 | 4°49'34 | 4♒12 | 17°38 | 4° 8 | 5°11 | 13°45 | 14°43 | 18°48 | 23°46 | 29°39 | 2°37 | 2°24 | 11°19 | 26°31 | W20 |
| T 21 | 22 30 9 | 5°47'48 | 18°11 | 19° 4 | 4°R 9 | 5°50 | 13°37 | 14°49 | 18°50 | 23°46 | 29°R39 | 2°38 | 2°21 | 11°26 | 26°29 | T 21 |
| F 22 | 22 34 5 | 6°46'03 | 1♓56 | 20°35 | 4° 8 | 6°29 | 13°29 | 14°56 | 18°51 | 23°46 | 29°39 | 2°R38 | 2°17 | 11°32 | 26°28 | F 22 |
| S 23 | 22 38 2 | 7°44'20 | 15°26 | 22°11 | 4° 4 | 7° 9 | 13°22 | 15° 2 | 18°53 | 23°46 | 29°39 | 2°38 | 2°14 | 11°39 | 26°26 | S 23 |
| S 24 | 22 41 59 | 8°42'39 | 28°38 | 23°50 | 3°58 | 7°48 | 13°14 | 15° 8 | 18°55 | 23°46 | 29°39 | 2°37 | 2°11 | 11°46 | 26°25 | S 24 |
| M25 | 22 45 55 | 9°41'00 | 11♈32 | 25°32 | 3°49 | 8°28 | 13° 6 | 15°14 | 18°57 | 23°46 | 29°39 | 2°36 | 2° 8 | 11°52 | 26°23 | M25 |
| T 26 | 22 49 52 | 10°39'23 | 24° 8 | 27°17 | 3°38 | 9° 8 | 12°58 | 15°21 | 18°58 | 23°45 | 29°39 | 2°35 | 2° 5 | 11°59 | 26°21 | T 26 |
| W27 | 22 53 48 | 11°37'48 | 6♉29 | 29° 4 | 3°25 | 9°47 | 12°50 | 15°27 | 19° 0 | 23°45 | 29°39 | 2°34 | 2° 2 | 12° 6 | 26°19 | W27 |
| T 28 | 22 57 45 | 12°36'15 | 18°37 | 0♍53 | 3° 9 | 10°27 | 12°42 | 15°34 | 19° 2 | 23°45 | 29°39 | 2°33 | 1°58 | 12°13 | 26°17 | T 28 |
| F 29 | 23 1 41 | 13°34'45 | 0♊36 | 2°43 | 2°51 | 11° 7 | 12°34 | 15°40 | 19° 4 | 23°45 | 29°39 | 2°32 | 1°55 | 12°19 | 26°15 | F 29 |
| S 30 | 23 5 38 | 14°33'16 | 12°30 | 4°34 | 2°31 | 11°47 | 12°26 | 15°47 | 19° 6 | 23°44 | 29°39 | 2°D32 | 1°52 | 12°26 | 26°13 | S 30 |
| S 31 | 23 9 34 | 15♍31'50 | 24♊23 | 6♍26 | 2♎ 9 | 12♎26 | 12♓18 | 15♎53 | 19♏ 8 | 23♉44 | 29♉38 | 2♓32 | 1♓49 | 12♊33 | 26♈11 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15n57 | 23n30 | 5n11 | 13n 3 | 4s15 | 2s10 | 3s23 | 3n25 | 0n39 | 6s55 | 1s29 | 2s56 | 2n23 | 17s 8 | 0n15 | 17n 4 | 1s45 | 8n23 | 12s 0 | 10s32 | 10s18 | 26n58 | 10n31 | 0n 9 |
| S 2 | 15 40 | 26 17 | 5 15 | 13 26 | 4 4 | 2 33 | 3 33 | 3 9 | 0 38 | 6 58 | 1 30 | 2 58 | 2 23 | 17 8 | 0 15 | 17 4 | 1 45 | 8 23 | 12 1 | 10 32 | 10 19 | 26 59 | 10 31 | 0 9 |
| S 3 | 15 22 | 27 55 | 5 6 | 13 50 | 3 51 | 2 55 | 3 43 | 2 54 | 0 38 | 7 1 | 1 30 | 3 0 | 2 23 | 17 8 | 0 15 | 17 4 | 1 45 | 8 23 | 12 1 | 10 33 | 10 20 | 26 59 | 10 31 | 0 9 |
| M 4 | 15 4 | 28 15 | 4 44 | 14 13 | 3 36 | 3 18 | 3 53 | 2 38 | 0 37 | 7 3 | 1 30 | 3 3 | 2 23 | 17 8 | 0 15 | 17 4 | 1 45 | 8 23 | 12 1 | 10 33 | 10 21 | 27 0 | 10 30 | 0 9 |
| T 5 | 14 46 | 27 15 | 4 10 | 14 36 | 3 20 | 3 39 | 4 4 | 2 22 | 0 36 | 7 6 | 1 30 | 3 5 | 2 22 | 17 9 | 0 15 | 17 4 | 1 45 | 8 23 | 12 1 | 10 34 | 10 22 | 27 1 | 10 30 | 0 9 |
| W 6 | 14 27 | 24 55 | 3 23 | 14 58 | 3 4 | 4 0 | 4 14 | 2 6 | 0 36 | 7 9 | 1 31 | 3 7 | 2 22 | 17 9 | 0 15 | 17 4 | 1 45 | 8 23 | 12 1 | 10 34 | 10 23 | 27 2 | 10 30 | 0 9 |
| T 7 | 14 9 | 21 23 | 2 26 | 15 19 | 2 47 | 4 21 | 4 24 | 1 50 | 0 35 | 7 11 | 1 31 | 3 9 | 2 22 | 17 9 | 0 15 | 17 5 | 1 45 | 8 22 | 12 2 | 10 35 | 10 24 | 27 3 | 10 29 | 0 9 |
| F 8 | 13 50 | 16 47 | 1 20 | 15 38 | 2 29 | 4 41 | 4 35 | 1 34 | 0 34 | 7 14 | 1 31 | 3 12 | 2 22 | 17 9 | 0 15 | 17 5 | 1 45 | 8 22 | 12 2 | 10 35 | 10 26 | 27 4 | 10 29 | 0 9 |
| S 9 | 13 30 | 11 21 | 0 9 | 15 55 | 2 11 | 5 1 | 4 45 | 1 18 | 0 34 | 7 17 | 1 31 | 3 14 | 2 22 | 17 10 | 0 15 | 17 5 | 1 45 | 8 22 | 12 2 | 10 35 | 10 27 | 27 5 | 10 29 | 0 9 |
| S 10 | 13 11 | 5 19 | 1s 3 | 16 11 | 1 53 | 5 20 | 4 56 | 1 2 | 0 33 | 7 20 | 1 31 | 3 16 | 2 22 | 17 10 | 0 15 | 17 5 | 1 45 | 8 22 | 12 2 | 10 35 | 10 28 | 27 6 | 10 28 | 0 8 |
| M11 | 12 51 | 1s 2 | 2 14 | 16 25 | 1 34 | 5 38 | 5 7 | 0 46 | 0 32 | 7 23 | 1 31 | 3 18 | 2 21 | 17 10 | 0 15 | 17 5 | 1 45 | 8 22 | 12 3 | 10 35 | 10 29 | 27 7 | 10 28 | 0 8 |
| T 12 | 12 32 | 7 27 | 3 18 | 16 36 | 1 16 | 5 56 | 5 17 | 0 30 | 0 32 | 7 26 | 1 32 | 3 21 | 2 21 | 17 11 | 0 15 | 17 5 | 1 45 | 8 22 | 12 3 | 10 35 | 10 30 | 27 8 | 10 27 | 0 8 |
| W13 | 12 12 | 13 35 | 4 11 | 16 44 | 0 59 | 6 13 | 5 28 | 0 14 | 0 31 | 7 29 | 1 32 | 3 23 | 2 21 | 17 11 | 0 15 | 17 5 | 1 45 | 8 21 | 12 3 | 10 35 | 10 31 | 27 9 | 10 27 | 0 8 |
| T 14 | 11 51 | 19 6 | 4 50 | 16 49 | 0 42 | 6 29 | 5 39 | 0s 2 | 0 30 | 7 32 | 1 32 | 3 26 | 2 21 | 17 11 | 0 15 | 17 5 | 1 45 | 8 21 | 12 3 | 10 35 | 10 33 | 27 10 | 10 26 | 0 8 |
| F 15 | 11 31 | 23 38 | 5 12 | 16 52 | 0 25 | 6 44 | 5 50 | 0 19 | 0 30 | 7 35 | 1 32 | 3 28 | 2 21 | 17 12 | 0 15 | 17 5 | 1 45 | 8 21 | 12 3 | 10 35 | 10 34 | 27 10 | 10 26 | 0 8 |
| S 16 | 11 10 | 26 47 | 5 16 | 16 52 | 0 10 | 6 59 | 6 0 | 0 35 | 0 29 | 7 38 | 1 32 | 3 30 | 2 21 | 17 12 | 0 15 | 17 5 | 1 45 | 8 21 | 12 4 | 10 35 | 10 35 | 27 11 | 10 25 | 0 8 |
| S 17 | 10 50 | 28 14 | 5 0 | 16 48 | 0n 5 | 7 13 | 6 11 | 0 51 | 0 29 | 7 41 | 1 32 | 3 33 | 2 20 | 17 13 | 0 15 | 17 5 | 1 45 | 8 21 | 12 4 | 10 35 | 10 36 | 27 12 | 10 25 | 0 8 |
| M18 | 10 29 | 27 49 | 4 25 | 16 41 | 0 19 | 7 25 | 6 21 | 1 7 | 0 28 | 7 44 | 1 32 | 3 35 | 2 20 | 17 13 | 0 15 | 17 4 | 1 46 | 8 21 | 12 4 | 10 35 | 10 37 | 27 13 | 10 24 | 0 8 |
| T 19 | 10 8 | 25 33 | 3 35 | 16 32 | 0 32 | 7 37 | 6 32 | 1 23 | 0 27 | 7 47 | 1 33 | 3 38 | 2 20 | 17 14 | 0 15 | 17 4 | 1 46 | 8 20 | 12 4 | 10 35 | 10 38 | 27 14 | 10 24 | 0 8 |
| W20 | 9 46 | 21 43 | 2 31 | 16 18 | 0 44 | 7 48 | 6 42 | 1 39 | 0 27 | 7 50 | 1 33 | 3 40 | 2 20 | 17 14 | 0 15 | 17 4 | 1 46 | 8 20 | 12 5 | 10 34 | 10 39 | 27 15 | 10 23 | 0 8 |
| T 21 | 9 25 | 16 41 | 1 19 | 16 2 | 0 55 | 7 57 | 6 52 | 1 56 | 0 26 | 7 53 | 1 33 | 3 43 | 2 20 | 17 14 | 0 15 | 17 4 | 1 46 | 8 20 | 12 5 | 10 34 | 10 41 | 27 16 | 10 22 | 0 8 |
| F 22 | 9 3 | 10 53 | 0 4 | 15 43 | 1 5 | 8 6 | 7 2 | 2 12 | 0 25 | 7 56 | 1 33 | 3 45 | 2 20 | 17 15 | 0 15 | 17 4 | 1 46 | 8 20 | 12 5 | 10 34 | 10 42 | 27 16 | 10 22 | 0 7 |
| S 23 | 8 42 | 4 41 | 1n10 | 15 20 | 1 14 | 8 13 | 7 12 | 2 28 | 0 25 | 8 0 | 1 33 | 3 48 | 2 20 | 17 15 | 0 15 | 17 4 | 1 46 | 8 19 | 12 5 | 10 34 | 10 43 | 27 17 | 10 21 | 0 7 |
| S 24 | 8 20 | 1n35 | 2 19 | 14 55 | 1 22 | 8 19 | 7 21 | 2 44 | 0 24 | 8 3 | 1 33 | 3 50 | 2 19 | 17 16 | 0 15 | 17 4 | 1 46 | 8 19 | 12 5 | 10 35 | 10 44 | 27 18 | 10 20 | 0 7 |
| M25 | 7 58 | 7 38 | 3 19 | 14 27 | 1 29 | 8 24 | 7 31 | 3 1 | 0 23 | 8 6 | 1 33 | 3 53 | 2 19 | 17 16 | 0 15 | 17 4 | 1 46 | 8 19 | 12 6 | 10 35 | 10 45 | 27 19 | 10 20 | 0 7 |
| T 26 | 7 36 | 13 14 | 4 8 | 13 56 | 1 35 | 8 28 | 7 39 | 3 17 | 0 23 | 8 9 | 1 33 | 3 55 | 2 19 | 17 17 | 0 15 | 17 4 | 1 46 | 8 19 | 12 6 | 10 35 | 10 46 | 27 20 | 10 19 | 0 7 |
| W27 | 7 14 | 18 11 | 4 44 | 13 23 | 1 39 | 8 30 | 7 48 | 3 33 | 0 22 | 8 12 | 1 33 | 3 58 | 2 19 | 17 18 | 0 15 | 17 4 | 1 46 | 8 19 | 12 6 | 10 36 | 10 47 | 27 20 | 10 18 | 0 7 |
| T 28 | 6 51 | 22 20 | 5 7 | 12 48 | 1 43 | 8 31 | 7 55 | 3 49 | 0 22 | 8 15 | 1 33 | 4 0 | 2 19 | 17 18 | 0 15 | 17 4 | 1 46 | 8 18 | 12 6 | 10 36 | 10 49 | 27 21 | 10 17 | 0 7 |
| F 29 | 6 29 | 25 29 | 5 16 | 12 11 | 1 46 | 8 31 | 8 3 | 4 5 | 0 21 | 8 18 | 1 33 | 4 3 | 2 19 | 17 19 | 0 15 | 17 3 | 1 46 | 8 18 | 12 7 | 10 36 | 10 50 | 27 22 | 10 17 | 0 7 |
| S 30 | 6 6 | 27 31 | 5 11 | 11 33 | 1 48 | 8 29 | 8 10 | 4 22 | 0 20 | 8 21 | 1 33 | 4 6 | 2 19 | 17 19 | 0 15 | 17 3 | 1 46 | 8 18 | 12 7 | 10 36 | 10 51 | 27 23 | 10 16 | 0 7 |
| S 31 | 5n43 | 28n17 | 4n54 | 10n52 | 1n49 | 8s26 | 8s16 | 4s38 | 0n20 | 8s25 | 1s34 | 4s 8 | 2n19 | 17s20 | 0n15 | 17n 3 | 1s46 | 8n18 | 12s 7 | 10s36 | 10s52 | 27n23 | 10n15 | 0n 7 |

Julian Day Number = 2230063.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'52, Lahiri = 15°23'52 Julian Calendar 1 Aug. 1393 == Greg. Calendar 9 Aug. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## SEPTEMBER 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 13 31 | 16♍30'26 | 6♋20 | 8♍18 | 1°R44 | 13♎ 6 | 12°R10 | 16♎ 0 | 19♏11 | 23°R43 | 29°R38 | 2♓33 | 1♓46 | 12♊39 | 26°R 9 | M 1 |
| T 2 | 23 17 27 | 17°29'05 | 18°27 | 10°11 | 1♎18 | 13°46 | 12♓ 2 | 16° 6 | 19°13 | 23♉43 | 29♉38 | 2°34 | 1°42 | 12°46 | 26♈ 7 | T 2 |
| W 3 | 23 21 24 | 18°27'45 | 0♌46 | 12° 3 | 0°49 | 14°27 | 11°54 | 16°13 | 19°15 | 23°42 | 29°38 | 2°35 | 1°39 | 12°53 | 26° 5 | W 3 |
| T 4 | 23 25 21 | 19°26'28 | 13°22 | 13°55 | 0°19 | 15° 7 | 11°46 | 16°20 | 19°17 | 23°42 | 29°38 | 2°37 | 1°36 | 13° 0 | 26° 3 | T 4 |
| F 5 | 23 29 17 | 20°25'12 | 26°16 | 15°46 | 29♍48 | 15°47 | 11°38 | 16°26 | 19°20 | 23°41 | 29°37 | 2°R37 | 1°33 | 13° 6 | 26° 1 | F 5 |
| S 6 | 23 33 14 | 21°23'59 | 9♍31 | 17°37 | 29°15 | 16°27 | 11°30 | 16°33 | 19°22 | 23°41 | 29°37 | 2°37 | 1°30 | 13°13 | 25°58 | S 6 |
| S 7 | 23 37 10 | 22°22'48 | 23° 5 | 19°28 | 28°40 | 17° 7 | 11°23 | 16°40 | 19°24 | 23°40 | 29°37 | 2°36 | 1°27 | 13°20 | 25°56 | S 7 |
| M 8 | 23 41 7 | 23°21'39 | 6♎57 | 21°17 | 28° 5 | 17°48 | 11°15 | 16°47 | 19°27 | 23°40 | 29°36 | 2°34 | 1°23 | 13°26 | 25°54 | M 8 |
| T 9 | 23 45 3 | 24°20'31 | 21° 3 | 23° 6 | 27°29 | 18°28 | 11° 7 | 16°54 | 19°29 | 23°39 | 29°36 | 2°32 | 1°20 | 13°33 | 25°51 | T 9 |
| W10 | 23 49 0 | 25°19'26 | 5♏19 | 24°55 | 26°53 | 19° 9 | 11° 0 | 17° 1 | 19°32 | 23°38 | 29°35 | 2°28 | 1°17 | 13°40 | 25°49 | W10 |
| T 11 | 23 52 56 | 26°18'23 | 19°41 | 26°42 | 26°16 | 19°49 | 10°53 | 17° 8 | 19°34 | 23°38 | 29°35 | 2°25 | 1°14 | 13°47 | 25°46 | T 11 |
| F 12 | 23 56 53 | 27°17'21 | 4♐ 2 | 28°28 | 25°39 | 20°30 | 10°45 | 17°14 | 19°37 | 23°37 | 29°35 | 2°23 | 1°11 | 13°53 | 25°44 | F 12 |
| S 13 | 0 0 50 | 28°16'22 | 18°20 | 0♎14 | 25° 3 | 21°11 | 10°38 | 17°21 | 19°39 | 23°36 | 29°34 | 2°21 | 1° 7 | 14° 0 | 25°41 | S 13 |
| S 14 | 0 4 46 | 29°15'24 | 2♑32 | 1°59 | 24°26 | 21°51 | 10°31 | 17°28 | 19°42 | 23°35 | 29°34 | 2°D21 | 1° 4 | 14° 7 | 25°39 | S 14 |
| M15 | 0 8 43 | 0♎14'27 | 16°35 | 3°43 | 23°51 | 22°32 | 10°24 | 17°35 | 19°45 | 23°34 | 29°33 | 2°22 | 1° 1 | 14°14 | 25°36 | M15 |
| T 16 | 0 12 39 | 1°13'33 | 0♒28 | 5°26 | 23°16 | 23°13 | 10°17 | 17°43 | 19°47 | 23°33 | 29°33 | 2°23 | 0°58 | 14°20 | 25°34 | T 16 |
| W17 | 0 16 36 | 2°12'40 | 14°11 | 7° 8 | 22°42 | 23°54 | 10°10 | 17°50 | 19°50 | 23°33 | 29°32 | 2°25 | 0°55 | 14°27 | 25°31 | W17 |
| T 18 | 0 20 32 | 3°11'49 | 27°42 | 8°49 | 22°10 | 24°35 | 10° 3 | 17°57 | 19°53 | 23°32 | 29°32 | 2°R26 | 0°52 | 14°34 | 25°28 | T 18 |
| F 19 | 0 24 29 | 4°11'00 | 11♓ 2 | 10°30 | 21°39 | 25°16 | 9°56 | 18° 4 | 19°56 | 23°31 | 29°31 | 2°26 | 0°48 | 14°40 | 25°26 | F 19 |
| S 20 | 0 28 25 | 5°10'13 | 24° 9 | 12°10 | 21°10 | 25°57 | 9°50 | 18°11 | 19°59 | 23°30 | 29°30 | 2°24 | 0°45 | 14°47 | 25°23 | S 20 |
| S 21 | 0 32 22 | 6° 9'28 | 7♈ 4 | 13°49 | 20°43 | 26°38 | 9°44 | 18°18 | 20° 2 | 23°29 | 29°30 | 2°20 | 0°42 | 14°54 | 25°20 | S 21 |
| M22 | 0 36 19 | 7° 8'45 | 19°45 | 15°27 | 20°18 | 27°19 | 9°37 | 18°25 | 20° 5 | 23°28 | 29°29 | 2°15 | 0°39 | 15° 1 | 25°18 | M22 |
| T 23 | 0 40 15 | 8° 8'04 | 2♉14 | 17° 4 | 19°55 | 28° 0 | 9°31 | 18°32 | 20° 8 | 23°27 | 29°29 | 2° 9 | 0°36 | 15° 7 | 25°15 | T 23 |
| W24 | 0 44 12 | 9° 7'25 | 14°30 | 18°41 | 19°34 | 28°41 | 9°25 | 18°39 | 20°11 | 23°25 | 29°28 | 2° 2 | 0°33 | 15°14 | 25°12 | W24 |
| T 25 | 0 48 8 | 10° 6'49 | 26°35 | 20°17 | 19°16 | 29°23 | 9°19 | 18°47 | 20°14 | 23°24 | 29°27 | 1°56 | 0°29 | 15°21 | 25° 9 | T 25 |
| F 26 | 0 52 5 | 11° 6'14 | 8♊33 | 21°52 | 18°59 | 0♏ 4 | 9°14 | 18°54 | 20°17 | 23°23 | 29°27 | 1°50 | 0°26 | 15°27 | 25° 6 | F 26 |
| S 27 | 0 56 1 | 12° 5'43 | 20°25 | 23°27 | 18°46 | 0°46 | 9° 8 | 19° 1 | 20°20 | 23°22 | 29°26 | 1°46 | 0°23 | 15°34 | 25° 3 | S 27 |
| S 28 | 0 59 58 | 13° 5'13 | 2♋17 | 25° 1 | 18°34 | 1°27 | 9° 3 | 19° 8 | 20°23 | 23°21 | 29°25 | 1°43 | 0°20 | 15°41 | 25° 1 | S 28 |
| M29 | 1 3 54 | 14° 4'46 | 14°12 | 26°34 | 18°25 | 2° 9 | 8°58 | 19°15 | 20°26 | 23°20 | 29°24 | 1°D43 | 0°17 | 15°48 | 24°58 | M29 |
| T 30 | 1 7 51 | 15♎ 4'21 | 26♋16 | 28♎ 7 | 18♍19 | 2♏50 | 8♓53 | 19♎23 | 20♏29 | 23♉18 | 29♉24 | 1♓43 | 0♓13 | 15♊54 | 24♈55 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n21 | 27n45 | 4n23 | 10n11 | 1n50 | 8s21 | 8s21 | 4s54 | 0n19 | 8s28 | 1s34 | 4s11 | 2n19 | 17s20 | 0n15 | 17n 3 | 1s46 | 8n17 | 12s 7 | 10s36 | 10s53 | 27n24 | 10n14 | 0n 7 |
| T 2 | 4 58 | 25 53 | 3 40 | 9 28 | 1 49 | 8 15 | 8 26 | 5 10 | 0 18 | 8 31 | 1 34 | 4 14 | 2 18 | 17 21 | 0 15 | 17 3 | 1 46 | 8 17 | 12 7 | 10 36 | 10 54 | 27 25 | 10 13 | 0 7 |
| W 3 | 4 35 | 22 46 | 2 47 | 8 44 | 1 48 | 8 7 | 8 30 | 5 26 | 0 18 | 8 34 | 1 34 | 4 16 | 2 18 | 17 22 | 0 15 | 17 3 | 1 46 | 8 17 | 12 8 | 10 35 | 10 55 | 27 26 | 10 12 | 0 7 |
| T 4 | 4 12 | 18 32 | 1 44 | 8 0 | 1 47 | 7 58 | 8 33 | 5 43 | 0 17 | 8 37 | 1 34 | 4 19 | 2 18 | 17 22 | 0 15 | 17 3 | 1 46 | 8 17 | 12 8 | 10 35 | 10 56 | 27 26 | 10 12 | 0 6 |
| F 5 | 3 48 | 13 21 | 0 35 | 7 14 | 1 45 | 7 48 | 8 36 | 5 59 | 0 16 | 8 40 | 1 34 | 4 22 | 2 18 | 17 23 | 0 15 | 17 2 | 1 46 | 8 16 | 12 8 | 10 34 | 10 58 | 27 27 | 10 11 | 0 6 |
| S 6 | 3 25 | 7 27 | 0s38 | 6 28 | 1 42 | 7 36 | 8 38 | 6 15 | 0 16 | 8 43 | 1 34 | 4 24 | 2 18 | 17 24 | 0 15 | 17 2 | 1 47 | 8 16 | 12 8 | 10 34 | 10 59 | 27 28 | 10 10 | 0 6 |
| S 7 | 3 2 | 1 4 | 1 50 | 5 42 | 1 39 | 7 23 | 8 38 | 6 31 | 0 15 | 8 46 | 1 34 | 4 27 | 2 18 | 17 24 | 0 15 | 17 2 | 1 47 | 8 16 | 12 8 | 10 35 | 11 0 | 27 28 | 10 9 | 0 6 |
| M 8 | 2 39 | 5s29 | 2 58 | 4 55 | 1 35 | 7 9 | 8 38 | 6 47 | 0 15 | 8 49 | 1 34 | 4 30 | 2 18 | 17 25 | 0 15 | 17 2 | 1 47 | 8 15 | 12 9 | 10 36 | 11 1 | 27 29 | 10 8 | 0 6 |
| T 9 | 2 15 | 11 52 | 3 55 | 4 9 | 1 31 | 6 54 | 8 37 | 7 3 | 0 14 | 8 52 | 1 34 | 4 32 | 2 18 | 17 26 | 0 15 | 17 2 | 1 47 | 8 15 | 12 9 | 10 37 | 11 2 | 27 30 | 10 7 | 0 6 |
| W10 | 1 52 | 17 43 | 4 39 | 3 22 | 1 27 | 6 37 | 8 35 | 7 19 | 0 13 | 8 54 | 1 33 | 4 35 | 2 18 | 17 26 | 0 15 | 17 1 | 1 47 | 8 15 | 12 9 | 10 38 | 11 3 | 27 30 | 10 6 | 0 6 |
| T 11 | 1 28 | 22 37 | 5 6 | 2 34 | 1 22 | 6 20 | 8 32 | 7 35 | 0 13 | 8 57 | 1 33 | 4 38 | 2 18 | 17 27 | 0 15 | 17 1 | 1 47 | 8 15 | 12 9 | 10 39 | 11 4 | 27 31 | 10 5 | 0 6 |
| F 12 | 1 5 | 26 9 | 5 13 | 1 47 | 1 17 | 6 2 | 8 28 | 7 51 | 0 12 | 9 0 | 1 33 | 4 40 | 2 18 | 17 28 | 0 15 | 17 1 | 1 47 | 8 14 | 12 9 | 10 40 | 11 6 | 27 32 | 10 4 | 0 6 |
| S 13 | 0 41 | 28 1 | 5 2 | 1 0 | 1 12 | 5 43 | 8 23 | 8 7 | 0 11 | 9 3 | 1 33 | 4 43 | 2 18 | 17 28 | 0 15 | 17 1 | 1 47 | 8 14 | 12 10 | 10 40 | 11 7 | 27 32 | 10 3 | 0 6 |
| S 14 | 0 18 | 28 1 | 4 31 | 0 14 | 1 6 | 5 23 | 8 17 | 8 23 | 0 11 | 9 5 | 1 33 | 4 46 | 2 17 | 17 29 | 0 15 | 17 0 | 1 47 | 8 14 | 12 10 | 10 40 | 11 8 | 27 33 | 10 2 | 0 6 |
| M15 | 0s 6 | 26 13 | 3 45 | 0s33 | 1 1 | 5 3 | 8 10 | 8 38 | 0 10 | 9 8 | 1 33 | 4 49 | 2 17 | 17 30 | 0 15 | 17 0 | 1 47 | 8 14 | 12 10 | 10 40 | 11 9 | 27 34 | 10 1 | 0 6 |
| T 16 | 0 29 | 22 49 | 2 46 | 1 20 | 0 55 | 4 42 | 8 3 | 8 54 | 0 10 | 9 11 | 1 33 | 4 51 | 2 17 | 17 31 | 0 14 | 17 0 | 1 47 | 8 13 | 12 10 | 10 40 | 11 10 | 27 34 | 10 0 | 0 5 |
| W17 | 0 53 | 18 12 | 1 38 | 2 6 | 0 49 | 4 22 | 7 55 | 9 10 | 0 9 | 9 13 | 1 33 | 4 54 | 2 17 | 17 31 | 0 14 | 17 0 | 1 47 | 8 13 | 12 10 | 10 39 | 11 11 | 27 35 | 9 59 | 0 5 |
| T 18 | 1 17 | 12 43 | 0 26 | 2 52 | 0 42 | 4 1 | 7 46 | 9 26 | 0 8 | 9 16 | 1 33 | 4 57 | 2 17 | 17 32 | 0 14 | 16 59 | 1 47 | 8 13 | 12 11 | 10 39 | 11 12 | 27 35 | 9 58 | 0 5 |
| F 19 | 1 40 | 6 44 | 0n47 | 3 37 | 0 36 | 3 40 | 7 36 | 9 41 | 0 8 | 9 18 | 1 33 | 5 0 | 2 17 | 17 33 | 0 14 | 16 59 | 1 47 | 8 12 | 12 11 | 10 39 | 11 13 | 27 36 | 9 57 | 0 5 |
| S 20 | 2 4 | 0 34 | 1 56 | 4 22 | 0 29 | 3 19 | 7 26 | 9 57 | 0 7 | 9 20 | 1 33 | 5 2 | 2 17 | 17 34 | 0 14 | 16 59 | 1 47 | 8 12 | 12 11 | 10 39 | 11 15 | 27 36 | 9 56 | 0 5 |
| S 21 | 2 27 | 5n32 | 2 57 | 5 7 | 0 23 | 2 58 | 7 15 | 10 12 | 0 6 | 9 23 | 1 33 | 5 5 | 2 17 | 17 35 | 0 14 | 16 58 | 1 47 | 8 12 | 12 11 | 10 41 | 11 16 | 27 37 | 9 55 | 0 5 |
| M22 | 2 51 | 11 17 | 3 49 | 5 51 | 0 16 | 2 38 | 7 3 | 10 28 | 0 6 | 9 25 | 1 33 | 5 8 | 2 17 | 17 35 | 0 14 | 16 58 | 1 47 | 8 12 | 12 11 | 10 42 | 11 17 | 27 38 | 9 54 | 0 5 |
| T 23 | 3 14 | 16 29 | 4 29 | 6 35 | 0 9 | 2 18 | 6 51 | 10 43 | 0 5 | 9 27 | 1 32 | 5 11 | 2 17 | 17 36 | 0 14 | 16 58 | 1 47 | 8 11 | 12 11 | 10 45 | 11 18 | 27 38 | 9 53 | 0 5 |
| W24 | 3 38 | 20 56 | 4 55 | 7 19 | 0 2 | 1 58 | 6 39 | 10 59 | 0 5 | 9 29 | 1 32 | 5 13 | 2 17 | 17 37 | 0 14 | 16 58 | 1 47 | 8 11 | 12 12 | 10 47 | 11 19 | 27 39 | 9 51 | 0 5 |
| T 25 | 4 1 | 24 27 | 5 8 | 8 1 | 0s 5 | 1 40 | 6 26 | 11 14 | 0 4 | 9 31 | 1 32 | 5 16 | 2 17 | 17 38 | 0 14 | 16 57 | 1 47 | 8 11 | 12 12 | 10 49 | 11 20 | 27 39 | 9 50 | 0 5 |
| F 26 | 4 24 | 26 52 | 5 8 | 8 44 | 0 11 | 1 21 | 6 14 | 11 29 | 0 3 | 9 33 | 1 32 | 5 19 | 2 17 | 17 39 | 0 14 | 16 57 | 1 47 | 8 10 | 12 12 | 10 51 | 11 21 | 27 40 | 9 49 | 0 5 |
| S 27 | 4 48 | 28 3 | 4 54 | 9 25 | 0 18 | 1 4 | 6 0 | 11 44 | 0 3 | 9 35 | 1 32 | 5 22 | 2 17 | 17 40 | 0 14 | 16 57 | 1 47 | 8 10 | 12 12 | 10 53 | 11 22 | 27 40 | 9 48 | 0 4 |
| S 28 | 5 11 | 27 57 | 4 27 | 10 6 | 0 25 | 0 47 | 5 47 | 11 59 | 0 2 | 9 37 | 1 32 | 5 24 | 2 17 | 17 40 | 0 14 | 16 56 | 1 48 | 8 10 | 12 12 | 10 54 | 11 24 | 27 41 | 9 47 | 0 4 |
| M29 | 5 34 | 26 33 | 3 49 | 10 47 | 0 32 | 0 31 | 5 34 | 12 14 | 0 1 | 9 39 | 1 32 | 5 27 | 2 17 | 17 41 | 0 14 | 16 56 | 1 48 | 8 9 | 12 12 | 10 54 | 11 25 | 27 41 | 9 46 | 0 4 |
| T 30 | 5s57 | 23n55 | 3n 0 | 11s27 | 0s39 | 0s16 | 5s20 | 12s29 | 0n 1 | 9s41 | 1s31 | 5s30 | 2n17 | 17s42 | 0n14 | 16n56 | 1s48 | 8n 9 | 12s13 | 10s54 | 11s26 | 27n42 | 9n45 | 0n 4 |

Julian Day Number = 2230094.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°16'56, Lahiri = 15°23'57 Julian Calendar 1 Sept. 1393 == Greg. Calendar 9 Sept. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## OCTOBER 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 11 48 | 16♎ 3'58 | 8♌34 | 29♎39 | 18°R15 | 3♏32 | 8°R48 | 19♎30 | 20♏32 | 23°R17 | 29°R23 | 1♓45 | 0♓10 | 16♊ 1 | 24°R52 | W 1 |
| T 2 | 1 15 44 | 17° 3'38 | 21°10 | 1♏10 | 18°D14 | 4°14 | 8♓43 | 19°37 | 20°36 | 23♉16 | 29♉22 | 1°46 | 0° 7 | 16° 8 | 24♈49 | T 2 |
| F 3 | 1 19 41 | 18° 3'20 | 4♍ 8 | 2°41 | 18♍15 | 4°56 | 8°39 | 19°44 | 20°39 | 23°15 | 29°21 | 1°R46 | 0° 4 | 16°14 | 24°46 | F 3 |
| S 4 | 1 23 37 | 19° 3'04 | 17°32 | 4°11 | 18°18 | 5°38 | 8°34 | 19°52 | 20°42 | 23°13 | 29°20 | 1°45 | 0° 1 | 16°21 | 24°43 | S 4 |
| S 5 | 1 27 34 | 20° 2'50 | 1♎21 | 5°41 | 18°24 | 6°19 | 8°30 | 19°59 | 20°45 | 23°12 | 29°20 | 1°42 | 29♒58 | 16°28 | 24°40 | S 5 |
| M 6 | 1 31 30 | 21° 2'38 | 15°35 | 7°10 | 18°31 | 7° 1 | 8°26 | 20° 6 | 20°49 | 23°11 | 29°19 | 1°36 | 29°54 | 16°35 | 24°37 | M 6 |
| T 7 | 1 35 27 | 22° 2'29 | 0♏ 7 | 8°38 | 18°42 | 7°43 | 8°22 | 20°13 | 20°52 | 23° 9 | 29°18 | 1°29 | 29°51 | 16°41 | 24°34 | T 7 |
| W 8 | 1 39 23 | 23° 2'21 | 14°52 | 10° 5 | 18°54 | 8°26 | 8°19 | 20°21 | 20°55 | 23° 8 | 29°17 | 1°21 | 29°48 | 16°48 | 24°31 | W 8 |
| T 9 | 1 43 20 | 24° 2'15 | 29°41 | 11°32 | 19° 8 | 9° 8 | 8°15 | 20°28 | 20°59 | 23° 6 | 29°16 | 1°12 | 29°45 | 16°55 | 24°28 | T 9 |
| F 10 | 1 47 17 | 25° 2'12 | 14♐27 | 12°59 | 19°25 | 9°50 | 8°12 | 20°35 | 21° 2 | 23° 5 | 29°15 | 1° 5 | 29°42 | 17° 1 | 24°25 | F 10 |
| S 11 | 1 51 13 | 26° 2'09 | 29° 1 | 14°24 | 19°43 | 10°32 | 8° 9 | 20°42 | 21° 6 | 23° 3 | 29°14 | 1° 0 | 29°39 | 17° 8 | 24°22 | S 11 |
| S 12 | 1 55 10 | 27° 2'09 | 13♑20 | 15°49 | 20° 4 | 11°15 | 8° 6 | 20°50 | 21° 9 | 23° 2 | 29°13 | 0°57 | 29°35 | 17°15 | 24°19 | S 12 |
| M13 | 1 59 6 | 28° 2'10 | 27°22 | 17°13 | 20°26 | 11°57 | 8° 3 | 20°57 | 21°13 | 23° 0 | 29°12 | 0°D56 | 29°32 | 17°22 | 24°16 | M13 |
| T 14 | 2 3 3 | 29° 2'13 | 11♒ 5 | 18°37 | 20°50 | 12°39 | 8° 1 | 21° 4 | 21°16 | 22°59 | 29°11 | 0°57 | 29°29 | 17°28 | 24°14 | T 14 |
| W15 | 2 6 59 | 0♏ 2'17 | 24°31 | 19°59 | 21°16 | 13°22 | 7°59 | 21°11 | 21°20 | 22°57 | 29°10 | 0°R58 | 29°26 | 17°35 | 24°11 | W15 |
| T 16 | 2 10 56 | 1° 2'23 | 7♓43 | 21°20 | 21°43 | 14° 4 | 7°57 | 21°18 | 21°23 | 22°56 | 29° 9 | 0°58 | 29°23 | 17°42 | 24° 8 | T 16 |
| F 17 | 2 14 52 | 2° 2'30 | 20°40 | 22°41 | 22°12 | 14°47 | 7°55 | 21°25 | 21°27 | 22°54 | 29° 8 | 0°56 | 29°19 | 17°49 | 24° 5 | F 17 |
| S 18 | 2 18 49 | 3° 2'39 | 3♈26 | 24° 0 | 22°43 | 15°30 | 7°53 | 21°33 | 21°30 | 22°53 | 29° 7 | 0°51 | 29°16 | 17°55 | 24° 2 | S 18 |
| S 19 | 2 22 46 | 4° 2'50 | 16° 2 | 25°18 | 23°15 | 16°12 | 7°52 | 21°40 | 21°34 | 22°51 | 29° 6 | 0°44 | 29°13 | 18° 2 | 23°59 | S 19 |
| M20 | 2 26 42 | 5° 3'02 | 28°28 | 26°35 | 23°49 | 16°55 | 7°51 | 21°47 | 21°37 | 22°50 | 29° 5 | 0°34 | 29°10 | 18° 9 | 23°56 | M20 |
| T 21 | 2 30 39 | 6° 3'16 | 10♉44 | 27°51 | 24°24 | 17°38 | 7°50 | 21°54 | 21°41 | 22°48 | 29° 4 | 0°22 | 29° 7 | 18°15 | 23°53 | T 21 |
| W22 | 2 34 35 | 7° 3'32 | 22°53 | 29° 4 | 25° 1 | 18°21 | 7°49 | 22° 1 | 21°45 | 22°46 | 29° 3 | 0° 9 | 29° 4 | 18°22 | 23°50 | W22 |
| T 23 | 2 38 32 | 8° 3'50 | 4♊53 | 0♐16 | 25°39 | 19° 4 | 7°48 | 22° 8 | 21°48 | 22°45 | 29° 2 | 29♒57 | 29° 0 | 18°29 | 23°47 | T 23 |
| F 24 | 2 42 28 | 9° 4'10 | 16°48 | 1°26 | 26°18 | 19°47 | 7°48 | 22°15 | 21°52 | 22°43 | 29° 1 | 29°45 | 28°57 | 18°36 | 23°45 | F 24 |
| S 25 | 2 46 25 | 10° 4'32 | 28°39 | 2°34 | 26°58 | 20°30 | 7°D48 | 22°22 | 21°55 | 22°42 | 29° 0 | 29°35 | 28°54 | 18°42 | 23°42 | S 25 |
| S 26 | 2 50 21 | 11° 4'55 | 10♋28 | 3°39 | 27°40 | 21°13 | 7°48 | 22°29 | 21°59 | 22°40 | 28°59 | 29°28 | 28°51 | 18°49 | 23°39 | S 26 |
| M27 | 2 54 18 | 12° 5'21 | 22°21 | 4°41 | 28°22 | 21°56 | 7°48 | 22°36 | 22° 3 | 22°38 | 28°58 | 29°24 | 28°48 | 18°56 | 23°36 | M27 |
| T 28 | 2 58 15 | 13° 5'48 | 4♌22 | 5°40 | 29° 6 | 22°39 | 7°48 | 22°43 | 22° 6 | 22°37 | 28°57 | 29°22 | 28°44 | 19° 2 | 23°33 | T 28 |
| W29 | 3 2 11 | 14° 6'18 | 16°35 | 6°35 | 29°51 | 23°23 | 7°49 | 22°50 | 22°10 | 22°35 | 28°56 | 29°D22 | 28°41 | 19° 9 | 23°31 | W29 |
| T 30 | 3 6 8 | 15° 6'49 | 29° 7 | 7°26 | 0♎37 | 24° 6 | 7°50 | 22°57 | 22°14 | 22°33 | 28°55 | 29°R22 | 28°38 | 19°16 | 23°28 | T 30 |
| F 31 | 3 10 4 | 16♏ 7'22 | 12♍ 1 | 8♐13 | 1♎23 | 24♏50 | 7♓51 | 23♎ 4 | 22♏18 | 22♉31 | 28♉54 | 29♒22 | 28♒35 | 19♊23 | 23♈25 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s20 | 20n 9 | 2n 2 | 12s 6 | 0s46 | 0s 2 | 5s 6 | 12s44 | 0n 0 | 9s42 | 1s31 | 5s33 | 2n17 | 17s43 | 0n14 | 16n55 | 1s48 | 8n 9 | 12s13 | 10s53 | 11s27 | 27n42 | 9n43 | 0n 4 |
| T 2 | 6 43 | 15 24 | 0 57 | 12 45 | 0 53 | 0n11 | 4 53 | 12 59 | 0s 0 | 9 44 | 1 31 | 5 35 | 2 17 | 17 44 | 0 14 | 16 55 | 1 48 | 8 9 | 12 13 | 10 53 | 11 28 | 27 43 | 9 42 | 0 4 |
| F 3 | 7 6 | 9 50 | 0s13 | 13 22 | 0 59 | 0 23 | 4 39 | 13 14 | 0 1 | 9 46 | 1 31 | 5 38 | 2 17 | 17 45 | 0 14 | 16 55 | 1 48 | 8 8 | 12 13 | 10 53 | 11 29 | 27 43 | 9 41 | 0 4 |
| S 4 | 7 29 | 3 39 | 1 24 | 14 0 | 1 6 | 0 34 | 4 26 | 13 28 | 0 2 | 9 47 | 1 31 | 5 41 | 2 17 | 17 46 | 0 14 | 16 54 | 1 48 | 8 8 | 12 13 | 10 53 | 11 30 | 27 44 | 9 40 | 0 4 |
| S 5 | 7 52 | 2s52 | 2 32 | 14 36 | 1 13 | 0 44 | 4 12 | 13 43 | 0 2 | 9 48 | 1 31 | 5 44 | 2 17 | 17 47 | 0 14 | 16 54 | 1 48 | 8 8 | 12 13 | 10 54 | 11 31 | 27 44 | 9 39 | 0 4 |
| M 6 | 8 14 | 9 26 | 3 33 | 15 12 | 1 19 | 0 53 | 3 59 | 13 57 | 0 3 | 9 50 | 1 30 | 5 46 | 2 17 | 17 47 | 0 14 | 16 53 | 1 48 | 8 7 | 12 13 | 10 56 | 11 33 | 27 45 | 9 38 | 0 4 |
| T 7 | 8 37 | 15 38 | 4 22 | 15 46 | 1 25 | 1 2 | 3 46 | 14 11 | 0 4 | 9 51 | 1 30 | 5 49 | 2 17 | 17 48 | 0 14 | 16 53 | 1 48 | 8 7 | 12 13 | 10 59 | 11 34 | 27 45 | 9 36 | 0 4 |
| W 8 | 8 59 | 21 1 | 4 53 | 16 20 | 1 32 | 1 9 | 3 33 | 14 26 | 0 4 | 9 52 | 1 30 | 5 52 | 2 17 | 17 49 | 0 14 | 16 53 | 1 48 | 8 7 | 12 14 | 11 2 | 11 35 | 27 46 | 9 35 | 0 4 |
| T 9 | 9 21 | 25 7 | 5 6 | 16 54 | 1 38 | 1 15 | 3 20 | 14 40 | 0 5 | 9 53 | 1 30 | 5 54 | 2 17 | 17 50 | 0 14 | 16 52 | 1 48 | 8 6 | 12 14 | 11 5 | 11 36 | 27 46 | 9 34 | 0 3 |
| F 10 | 9 43 | 27 32 | 4 57 | 17 26 | 1 44 | 1 20 | 3 7 | 14 54 | 0 5 | 9 54 | 1 30 | 5 57 | 2 17 | 17 51 | 0 14 | 16 52 | 1 48 | 8 6 | 12 14 | 11 7 | 11 37 | 27 46 | 9 33 | 0 3 |
| S 11 | 10 5 | 28 1 | 4 30 | 17 57 | 1 49 | 1 24 | 2 55 | 15 8 | 0 6 | 9 55 | 1 29 | 6 0 | 2 17 | 17 52 | 0 14 | 16 52 | 1 48 | 8 6 | 12 14 | 11 9 | 11 38 | 27 47 | 9 32 | 0 3 |
| S 12 | 10 27 | 26 36 | 3 46 | 18 28 | 1 55 | 1 28 | 2 42 | 15 22 | 0 7 | 9 56 | 1 29 | 6 3 | 2 17 | 17 53 | 0 14 | 16 51 | 1 48 | 8 6 | 12 14 | 11 10 | 11 39 | 27 47 | 9 31 | 0 3 |
| M13 | 10 49 | 23 32 | 2 50 | 18 57 | 2 0 | 1 30 | 2 30 | 15 35 | 0 7 | 9 57 | 1 29 | 6 5 | 2 17 | 17 54 | 0 14 | 16 51 | 1 48 | 8 5 | 12 14 | 11 11 | 11 40 | 27 48 | 9 29 | 0 3 |
| T 14 | 11 10 | 19 10 | 1 44 | 19 26 | 2 6 | 1 32 | 2 18 | 15 49 | 0 8 | 9 58 | 1 29 | 6 8 | 2 17 | 17 55 | 0 14 | 16 50 | 1 48 | 8 5 | 12 14 | 11 10 | 11 42 | 27 48 | 9 28 | 0 3 |
| W15 | 11 31 | 13 56 | 0 34 | 19 53 | 2 11 | 1 32 | 2 7 | 16 2 | 0 9 | 9 58 | 1 29 | 6 11 | 2 17 | 17 56 | 0 14 | 16 50 | 1 48 | 8 5 | 12 14 | 11 10 | 11 43 | 27 48 | 9 27 | 0 3 |
| T 16 | 11 52 | 8 9 | 0n36 | 20 20 | 2 15 | 1 32 | 1 55 | 16 16 | 0 9 | 9 59 | 1 28 | 6 13 | 2 17 | 17 57 | 0 14 | 16 50 | 1 48 | 8 4 | 12 14 | 11 10 | 11 44 | 27 49 | 9 26 | 0 3 |
| F 17 | 12 13 | 2 8 | 1 43 | 20 45 | 2 20 | 1 30 | 1 44 | 16 29 | 0 10 | 9 59 | 1 28 | 6 16 | 2 17 | 17 58 | 0 14 | 16 49 | 1 48 | 8 4 | 12 15 | 11 11 | 11 45 | 27 49 | 9 25 | 0 3 |
| S 18 | 12 34 | 3n53 | 2 44 | 21 9 | 2 24 | 1 28 | 1 33 | 16 42 | 0 10 | 10 0 | 1 28 | 6 18 | 2 17 | 17 58 | 0 14 | 16 49 | 1 48 | 8 4 | 12 15 | 11 12 | 11 46 | 27 49 | 9 24 | 0 3 |
| S 19 | 12 55 | 9 38 | 3 36 | 21 32 | 2 27 | 1 25 | 1 23 | 16 55 | 0 11 | 10 0 | 1 28 | 6 21 | 2 17 | 17 59 | 0 14 | 16 48 | 1 48 | 8 4 | 12 15 | 11 15 | 11 47 | 27 50 | 9 22 | 0 3 |
| M20 | 13 15 | 14 57 | 4 16 | 21 54 | 2 31 | 1 21 | 1 12 | 17 8 | 0 12 | 10 0 | 1 27 | 6 24 | 2 17 | 18 0 | 0 14 | 16 48 | 1 48 | 8 3 | 12 15 | 11 19 | 11 48 | 27 50 | 9 21 | 0 2 |
| T 21 | 13 35 | 19 35 | 4 44 | 22 15 | 2 34 | 1 17 | 1 2 | 17 21 | 0 12 | 10 1 | 1 27 | 6 26 | 2 17 | 18 1 | 0 14 | 16 47 | 1 48 | 8 3 | 12 15 | 11 23 | 11 49 | 27 51 | 9 20 | 0 2 |
| W22 | 13 55 | 23 22 | 4 59 | 22 34 | 2 36 | 1 11 | 0 52 | 17 33 | 0 13 | 10 1 | 1 27 | 6 29 | 2 17 | 18 2 | 0 14 | 16 47 | 1 48 | 8 3 | 12 15 | 11 27 | 11 50 | 27 51 | 9 19 | 0 2 |
| T 23 | 14 15 | 26 6 | 5 0 | 22 51 | 2 39 | 1 5 | 0 43 | 17 46 | 0 13 | 10 1 | 1 27 | 6 31 | 2 17 | 18 3 | 0 14 | 16 47 | 1 48 | 8 2 | 12 15 | 11 32 | 11 52 | 27 51 | 9 18 | 0 2 |
| F 24 | 14 34 | 27 39 | 4 48 | 23 8 | 2 40 | 0 58 | 0 33 | 17 58 | 0 14 | 10 1 | 1 26 | 6 34 | 2 17 | 18 4 | 0 14 | 16 46 | 1 48 | 8 2 | 12 15 | 11 36 | 11 53 | 27 51 | 9 17 | 0 2 |
| S 25 | 14 53 | 27 55 | 4 24 | 23 23 | 2 41 | 0 51 | 0 24 | 18 10 | 0 15 | 10 0 | 1 26 | 6 37 | 2 17 | 18 5 | 0 14 | 16 46 | 1 48 | 8 2 | 12 15 | 11 39 | 11 54 | 27 52 | 9 16 | 0 2 |
| S 26 | 15 12 | 26 54 | 3 49 | 23 36 | 2 42 | 0 42 | 0 15 | 18 22 | 0 15 | 10 0 | 1 26 | 6 39 | 2 18 | 18 6 | 0 14 | 16 45 | 1 48 | 8 2 | 12 15 | 11 42 | 11 55 | 27 52 | 9 14 | 0 2 |
| M27 | 15 31 | 24 40 | 3 3 | 23 48 | 2 42 | 0 33 | 0 6 | 18 34 | 0 16 | 10 0 | 1 26 | 6 42 | 2 18 | 18 7 | 0 14 | 16 45 | 1 48 | 8 1 | 12 15 | 11 43 | 11 56 | 27 52 | 9 13 | 0 2 |
| T 28 | 15 49 | 21 19 | 2 8 | 23 57 | 2 41 | 0 23 | 0n 2 | 18 46 | 0 16 | 10 0 | 1 26 | 6 44 | 2 18 | 18 8 | 0 14 | 16 44 | 1 48 | 8 1 | 12 15 | 11 44 | 11 57 | 27 53 | 9 12 | 0 2 |
| W29 | 16 8 | 16 59 | 1 7 | 24 6 | 2 39 | 0 13 | 0 10 | 18 57 | 0 17 | 9 59 | 1 25 | 6 47 | 2 18 | 18 9 | 0 14 | 16 44 | 1 48 | 8 1 | 12 15 | 11 44 | 11 58 | 27 53 | 9 11 | 0 2 |
| T 30 | 16 25 | 11 51 | 0 1 | 24 12 | 2 36 | 0 2 | 0 18 | 19 9 | 0 18 | 9 59 | 1 25 | 6 49 | 2 18 | 18 10 | 0 14 | 16 44 | 1 48 | 8 1 | 12 15 | 11 44 | 11 59 | 27 53 | 9 10 | 0 2 |
| F 31 | 16s43 | 6n 3 | 1s 6 | 24s16 | 2s33 | 0s10 | 0n26 | 19s20 | 0s18 | 9s58 | 1s25 | 6s52 | 2n18 | 18s11 | 0n14 | 16n43 | 1s48 | 8n 0 | 12s15 | 11s44 | 12s 0 | 27n53 | 9n 9 | 0n 2 |

Julian Day Number = 2230124.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'00, Lahiri = 15°24'01 Julian Calendar 1 Oct. 1393 == Greg. Calendar 9 Oct. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## NOVEMBER 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 14 1 | 17♏ 7'56 | 25♍23 | 8♐54 | 2♎11 | 25♏33 | 7♓52 | 23♎11 | 22♏21 | 22°R30 | 28°R53 | 29°R19 | 28♒32 | 19♊29 | 23°R23 | S 1 |
| S 2 | 3 17 57 | 18° 8'33 | 9♎14 | 9°29 | 3° 0 | 26°16 | 7°53 | 23°18 | 22°25 | 22♉28 | 28♉51 | 29♒14 | 28°29 | 19°36 | 23♈20 | S 2 |
| M 3 | 3 21 54 | 19° 9'11 | 23°35 | 9°58 | 3°49 | 27° 0 | 7°55 | 23°24 | 22°29 | 22°26 | 28°50 | 29° 7 | 28°25 | 19°43 | 23°17 | M 3 |
| T 4 | 3 25 50 | 20° 9'51 | 8♏21 | 10°20 | 4°40 | 27°44 | 7°57 | 23°31 | 22°32 | 22°25 | 28°49 | 28°57 | 28°22 | 19°49 | 23°15 | T 4 |
| W 5 | 3 29 47 | 21°10'32 | 23°25 | 10°33 | 5°31 | 28°27 | 7°59 | 23°38 | 22°36 | 22°23 | 28°48 | 28°45 | 28°19 | 19°56 | 23°12 | W 5 |
| T 6 | 3 33 44 | 22°11'15 | 8♐37 | 10°R37 | 6°23 | 29°11 | 8° 1 | 23°45 | 22°40 | 22°21 | 28°47 | 28°33 | 28°16 | 20° 3 | 23°10 | T 6 |
| F 7 | 3 37 40 | 23°12'00 | 23°46 | 10°32 | 7°15 | 29°55 | 8° 4 | 23°51 | 22°43 | 22°20 | 28°46 | 28°23 | 28°13 | 20°10 | 23° 7 | F 7 |
| S 8 | 3 41 37 | 24°12'45 | 8♑43 | 10°17 | 8° 8 | 0♐39 | 8° 6 | 23°58 | 22°47 | 22°18 | 28°45 | 28°15 | 28°10 | 20°16 | 23° 5 | S 8 |
| S 9 | 3 45 33 | 25°13'32 | 23°19 | 9°51 | 9° 2 | 1°23 | 8° 9 | 24° 4 | 22°51 | 22°16 | 28°44 | 28°10 | 28° 6 | 20°23 | 23° 2 | S 9 |
| M10 | 3 49 30 | 26°14'19 | 7♒31 | 9°14 | 9°57 | 2° 7 | 8°12 | 24°11 | 22°55 | 22°15 | 28°42 | 28° 7 | 28° 3 | 20°30 | 23° 0 | M10 |
| T 11 | 3 53 26 | 27°15'08 | 21°18 | 8°26 | 10°52 | 2°51 | 8°16 | 24°17 | 22°58 | 22°13 | 28°41 | 28° 6 | 28° 0 | 20°36 | 22°58 | T 11 |
| W12 | 3 57 23 | 28°15'57 | 4♓41 | 7°28 | 11°48 | 3°35 | 8°19 | 24°24 | 23° 2 | 22°11 | 28°40 | 28° 6 | 27°57 | 20°43 | 22°55 | W12 |
| T 13 | 4 1 19 | 29°16'47 | 17°44 | 6°21 | 12°45 | 4°19 | 8°23 | 24°30 | 23° 6 | 22° 9 | 28°39 | 28° 5 | 27°54 | 20°50 | 22°53 | T 13 |
| F 14 | 4 5 16 | 0♐17'38 | 0♈29 | 5° 6 | 13°42 | 5° 3 | 8°26 | 24°37 | 23° 9 | 22° 8 | 28°38 | 28° 3 | 27°50 | 20°57 | 22°51 | F 14 |
| S 15 | 4 9 13 | 1°18'30 | 13° 1 | 3°46 | 14°39 | 5°47 | 8°31 | 24°43 | 23°13 | 22° 6 | 28°37 | 27°58 | 27°47 | 21° 3 | 22°49 | S 15 |
| S 16 | 4 13 9 | 2°19'23 | 25°21 | 2°24 | 15°37 | 6°31 | 8°35 | 24°49 | 23°17 | 22° 4 | 28°36 | 27°49 | 27°44 | 21°10 | 22°47 | S 16 |
| M17 | 4 17 6 | 3°20'17 | 7♉33 | 1° 1 | 16°36 | 7°16 | 8°39 | 24°55 | 23°20 | 22° 3 | 28°34 | 27°38 | 27°41 | 21°17 | 22°44 | M17 |
| T 18 | 4 21 2 | 4°21'12 | 19°39 | 29♏42 | 17°35 | 8° 0 | 8°44 | 25° 1 | 23°24 | 22° 1 | 28°33 | 27°24 | 27°38 | 21°23 | 22°42 | T 18 |
| W19 | 4 24 59 | 5°22'08 | 1♊38 | 28°27 | 18°35 | 8°44 | 8°49 | 25° 8 | 23°28 | 21°59 | 28°32 | 27° 9 | 27°35 | 21°30 | 22°40 | W19 |
| T 20 | 4 28 55 | 6°23'05 | 13°34 | 27°21 | 19°35 | 9°29 | 8°54 | 25°14 | 23°31 | 21°58 | 28°31 | 26°55 | 27°31 | 21°37 | 22°39 | T 20 |
| F 21 | 4 32 52 | 7°24'03 | 25°26 | 26°24 | 20°36 | 10°13 | 8°59 | 25°20 | 23°35 | 21°56 | 28°30 | 26°41 | 27°28 | 21°43 | 22°37 | F 21 |
| S 22 | 4 36 48 | 8°25'02 | 7♋16 | 25°37 | 21°37 | 10°58 | 9° 4 | 25°26 | 23°39 | 21°55 | 28°29 | 26°30 | 27°25 | 21°50 | 22°35 | S 22 |
| S 23 | 4 40 45 | 9°26'02 | 19° 7 | 25° 2 | 22°38 | 11°43 | 9°10 | 25°32 | 23°42 | 21°53 | 28°28 | 26°21 | 27°22 | 21°57 | 22°33 | S 23 |
| M24 | 4 44 42 | 10°27'03 | 1♌ 1 | 24°38 | 23°40 | 12°27 | 9°15 | 25°37 | 23°46 | 21°51 | 28°27 | 26°16 | 27°19 | 22° 4 | 22°31 | M24 |
| T 25 | 4 48 38 | 11°28'05 | 13° 2 | 24°25 | 24°42 | 13°12 | 9°21 | 25°43 | 23°49 | 21°50 | 28°25 | 26°13 | 27°16 | 22°10 | 22°29 | T 25 |
| W26 | 4 52 35 | 12°29'08 | 25°13 | 24°D22 | 25°45 | 13°57 | 9°27 | 25°49 | 23°53 | 21°48 | 28°24 | 26°D12 | 27°12 | 22°17 | 22°28 | W26 |
| T 27 | 4 56 31 | 13°30'12 | 7♍41 | 24°30 | 26°48 | 14°42 | 9°33 | 25°55 | 23°57 | 21°47 | 28°23 | 26°R12 | 27° 9 | 22°24 | 22°26 | T 27 |
| F 28 | 5 0 28 | 14°31'17 | 20°29 | 24°46 | 27°51 | 15°26 | 9°40 | 26° 0 | 24° 0 | 21°45 | 28°22 | 26°12 | 27° 6 | 22°30 | 22°25 | F 28 |
| S 29 | 5 4 24 | 15°32'22 | 3♎43 | 25°12 | 28°55 | 16°11 | 9°46 | 26° 6 | 24° 4 | 21°44 | 28°21 | 26°11 | 27° 3 | 22°37 | 22°23 | S 29 |
| S 30 | 5 8 21 | 16♐33'29 | 17♎25 | 25♏44 | 29♎59 | 16♐56 | 9♓53 | 26♎11 | 24♏ 7 | 21♉42 | 28♉20 | 26♒ 7 | 27♒ 0 | 22♊44 | 22♈22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17s 0 | 0s11 | 2s13 | 24s18 | 2s29 | 0s22 | 0n33 | 19s31 | 0s19 | 9s57 | 1s25 | 6s54 | 2n18 | 18s12 | 0n14 | 16n43 | 1s48 | 8n 0 | 12s15 | 11s45 | 12s 1 | 27n54 | 9n 8 | 0n 1 |
| S 2 | 17 17 | 6 38 | 3 14 | 24 18 | 2 23 | 0 35 | 0 41 | 19 42 | 0 19 | 9 57 | 1 24 | 6 56 | 2 18 | 18 13 | 0 14 | 16 42 | 1 48 | 8 0 | 12 15 | 11 47 | 12 3 | 27 54 | 9 7 | 0 1 |
| M 3 | 17 34 | 12 58 | 4 5 | 24 16 | 2 16 | 0 48 | 0 48 | 19 53 | 0 20 | 9 56 | 1 24 | 6 59 | 2 18 | 18 14 | 0 14 | 16 42 | 1 48 | 8 0 | 12 15 | 11 49 | 12 4 | 27 54 | 9 6 | 0 1 |
| T 4 | 17 51 | 18 46 | 4 41 | 24 11 | 2 8 | 1 2 | 0 54 | 20 3 | 0 21 | 9 55 | 1 24 | 7 1 | 2 18 | 18 15 | 0 14 | 16 41 | 1 48 | 7 59 | 12 15 | 11 53 | 12 5 | 27 54 | 9 5 | 0 1 |
| W 5 | 18 7 | 23 30 | 4 59 | 24 4 | 1 59 | 1 16 | 1 1 | 20 14 | 0 21 | 9 54 | 1 24 | 7 4 | 2 18 | 18 16 | 0 14 | 16 41 | 1 48 | 7 59 | 12 15 | 11 57 | 12 6 | 27 54 | 9 4 | 0 1 |
| T 6 | 18 23 | 26 41 | 4 56 | 23 54 | 1 48 | 1 31 | 1 7 | 20 24 | 0 22 | 9 53 | 1 23 | 7 6 | 2 18 | 18 17 | 0 14 | 16 41 | 1 48 | 7 59 | 12 15 | 12 1 | 12 7 | 27 55 | 9 3 | 0 1 |
| F 7 | 18 38 | 27 54 | 4 31 | 23 41 | 1 36 | 1 46 | 1 13 | 20 34 | 0 22 | 9 52 | 1 23 | 7 8 | 2 19 | 18 18 | 0 14 | 16 40 | 1 48 | 7 59 | 12 15 | 12 5 | 12 8 | 27 55 | 9 2 | 0 1 |
| S 8 | 18 53 | 27 3 | 3 49 | 23 25 | 1 22 | 2 2 | 1 19 | 20 44 | 0 23 | 9 50 | 1 23 | 7 11 | 2 19 | 18 19 | 0 14 | 16 40 | 1 48 | 7 58 | 12 15 | 12 7 | 12 9 | 27 55 | 9 1 | 0 1 |
| S 9 | 19 8 | 24 20 | 2 52 | 23 6 | 1 7 | 2 18 | 1 25 | 20 53 | 0 24 | 9 49 | 1 23 | 7 13 | 2 19 | 18 19 | 0 14 | 16 39 | 1 48 | 7 58 | 12 15 | 12 9 | 12 10 | 27 55 | 9 0 | 0 1 |
| M10 | 19 23 | 20 10 | 1 46 | 22 44 | 0 50 | 2 34 | 1 30 | 21 3 | 0 24 | 9 48 | 1 22 | 7 15 | 2 19 | 18 20 | 0 14 | 16 39 | 1 48 | 7 58 | 12 15 | 12 10 | 12 11 | 27 55 | 8 59 | 0 1 |
| T 11 | 19 37 | 15 1 | 0 36 | 22 18 | 0 31 | 2 51 | 1 36 | 21 12 | 0 25 | 9 46 | 1 22 | 7 18 | 2 19 | 18 21 | 0 14 | 16 38 | 1 48 | 7 58 | 12 15 | 12 10 | 12 13 | 27 56 | 8 58 | 0 1 |
| W12 | 19 50 | 9 17 | 0n35 | 21 50 | 0 12 | 3 8 | 1 41 | 21 21 | 0 25 | 9 45 | 1 22 | 7 20 | 2 19 | 18 22 | 0 14 | 16 38 | 1 48 | 7 58 | 12 15 | 12 10 | 12 14 | 27 56 | 8 57 | 0 0 |
| T 13 | 20 4 | 3 18 | 1 42 | 21 19 | 0n 8 | 3 26 | 1 46 | 21 30 | 0 26 | 9 43 | 1 22 | 7 22 | 2 19 | 18 23 | 0 14 | 16 38 | 1 48 | 7 57 | 12 15 | 12 11 | 12 15 | 27 56 | 8 56 | 0 0 |
| F 14 | 20 17 | 2n40 | 2 42 | 20 45 | 0 28 | 3 44 | 1 50 | 21 39 | 0 27 | 9 41 | 1 21 | 7 24 | 2 19 | 18 24 | 0 14 | 16 37 | 1 48 | 7 57 | 12 15 | 12 12 | 12 16 | 27 56 | 8 55 | 0 0 |
| S 15 | 20 29 | 8 25 | 3 33 | 20 11 | 0 49 | 4 2 | 1 55 | 21 47 | 0 27 | 9 40 | 1 21 | 7 26 | 2 20 | 18 25 | 0 14 | 16 37 | 1 48 | 7 57 | 12 15 | 12 13 | 12 17 | 27 56 | 8 54 | 0 0 |
| S 16 | 20 42 | 13 46 | 4 13 | 19 35 | 1 9 | 4 20 | 1 59 | 21 56 | 0 28 | 9 38 | 1 21 | 7 29 | 2 20 | 18 26 | 0 14 | 16 36 | 1 48 | 7 57 | 12 15 | 12 16 | 12 18 | 27 56 | 8 53 | 0 0 |
| M17 | 20 54 | 18 30 | 4 42 | 19 0 | 1 27 | 4 39 | 2 3 | 22 4 | 0 28 | 9 36 | 1 21 | 7 31 | 2 20 | 18 27 | 0 14 | 16 36 | 1 48 | 7 57 | 12 15 | 12 20 | 12 19 | 27 56 | 8 53 | 0 0 |
| T 18 | 21 5 | 22 27 | 4 57 | 18 27 | 1 45 | 4 58 | 2 7 | 22 11 | 0 29 | 9 34 | 1 21 | 7 33 | 2 20 | 18 28 | 0 14 | 16 36 | 1 48 | 7 57 | 12 15 | 12 25 | 12 20 | 27 56 | 8 52 | 0s 0 |
| W19 | 21 16 | 25 26 | 4 58 | 17 56 | 2 0 | 5 18 | 2 11 | 22 19 | 0 29 | 9 32 | 1 20 | 7 35 | 2 20 | 18 29 | 0 14 | 16 35 | 1 48 | 7 56 | 12 15 | 12 30 | 12 21 | 27 57 | 8 51 | 0 0 |
| T 20 | 21 27 | 27 15 | 4 47 | 17 28 | 2 14 | 5 37 | 2 14 | 22 26 | 0 30 | 9 30 | 1 20 | 7 37 | 2 20 | 18 30 | 0 14 | 16 35 | 1 48 | 7 56 | 12 15 | 12 35 | 12 22 | 27 57 | 8 50 | 0 0 |
| F 21 | 21 37 | 27 49 | 4 23 | 17 4 | 2 25 | 5 57 | 2 17 | 22 34 | 0 31 | 9 28 | 1 20 | 7 39 | 2 20 | 18 31 | 0 14 | 16 34 | 1 48 | 7 56 | 12 15 | 12 40 | 12 23 | 27 57 | 8 49 | 0 0 |
| S 22 | 21 47 | 27 7 | 3 48 | 16 45 | 2 34 | 6 17 | 2 21 | 22 41 | 0 31 | 9 26 | 1 20 | 7 41 | 2 21 | 18 32 | 0 14 | 16 34 | 1 48 | 7 56 | 12 15 | 12 44 | 12 25 | 27 57 | 8 48 | 0 0 |
| S 23 | 21 56 | 25 10 | 3 3 | 16 30 | 2 40 | 6 37 | 2 23 | 22 47 | 0 32 | 9 23 | 1 19 | 7 43 | 2 21 | 18 32 | 0 14 | 16 34 | 1 48 | 7 56 | 12 15 | 12 46 | 12 26 | 27 57 | 8 48 | 0 0 |
| M24 | 22 5 | 22 6 | 2 9 | 16 19 | 2 45 | 6 57 | 2 26 | 22 54 | 0 32 | 9 21 | 1 19 | 7 45 | 2 21 | 18 33 | 0 14 | 16 33 | 1 48 | 7 56 | 12 15 | 12 48 | 12 27 | 27 57 | 8 47 | 0 1 |
| T 25 | 22 14 | 18 4 | 1 9 | 16 14 | 2 48 | 7 17 | 2 29 | 23 0 | 0 33 | 9 18 | 1 19 | 7 47 | 2 21 | 18 34 | 0 14 | 16 33 | 1 48 | 7 55 | 12 14 | 12 49 | 12 28 | 27 57 | 8 46 | 0 1 |
| W26 | 22 22 | 13 14 | 0 5 | 16 12 | 2 48 | 7 38 | 2 31 | 23 6 | 0 33 | 9 16 | 1 19 | 7 49 | 2 21 | 18 35 | 0 14 | 16 32 | 1 48 | 7 55 | 12 14 | 12 50 | 12 29 | 27 57 | 8 46 | 0 1 |
| T 27 | 22 30 | 7 47 | 1s 1 | 16 15 | 2 48 | 7 59 | 2 33 | 23 12 | 0 34 | 9 13 | 1 18 | 7 51 | 2 21 | 18 36 | 0 14 | 16 32 | 1 48 | 7 55 | 12 14 | 12 49 | 12 30 | 27 57 | 8 45 | 0 1 |
| F 28 | 22 37 | 1 52 | 2 5 | 16 20 | 2 46 | 8 19 | 2 36 | 23 18 | 0 34 | 9 11 | 1 18 | 7 53 | 2 21 | 18 37 | 0 14 | 16 32 | 1 48 | 7 55 | 12 14 | 12 49 | 12 31 | 27 57 | 8 44 | 0 1 |
| S 29 | 22 44 | 4s19 | 3 5 | 16 29 | 2 43 | 8 40 | 2 37 | 23 23 | 0 35 | 9 8 | 1 18 | 7 55 | 2 22 | 18 38 | 0 14 | 16 31 | 1 48 | 7 55 | 12 14 | 12 50 | 12 32 | 27 57 | 8 44 | 0 1 |
| S 30 | 22s50 | 10s30 | 3s57 | 16s41 | 2n39 | 9s 1 | 2n39 | 23s28 | 0s36 | 9s 5 | 1s18 | 7s56 | 2n22 | 18s39 | 0n14 | 16n31 | 1s48 | 7n55 | 12s14 | 12s51 | 12s33 | 27n57 | 8n43 | 0s 1 |

Julian Day Number = 2230155.5, Delta T = 08m03s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'05, Lahiri = 15°24'05 Julian Calendar 1 Nov. 1393 == Greg. Calendar 9 Nov. 1393


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# ASTRODIENST EPHEMERIS for the year 1393
# geocentric

## DECEMBER 1393 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 12 17 | 17♐34'37 | 1♏38 | 26♏23 | 1♏ 3 | 17♐41 | 10♓ 0 | 26♎17 | 24♏11 | 21°R41 | 28°R19 | 26°R 1 | 26♒56 | 22♊51 | 22°R20 | M 1 |
| T 2 | 5 16 14 | 18°35'45 | 16°19 | 27° 9 | 2° 7 | 18°26 | 10° 7 | 26°22 | 24°14 | 21♉39 | 28♉18 | 25♒52 | 26°53 | 22°57 | 22♈19 | T 2 |
| W 3 | 5 20 11 | 19°36'55 | 1♐24 | 27°59 | 3°12 | 19°11 | 10°14 | 26°27 | 24°18 | 21°38 | 28°17 | 25°42 | 26°50 | 23° 4 | 22°18 | W 3 |
| T 4 | 5 24 7 | 20°38'05 | 16°42 | 28°54 | 4°18 | 19°57 | 10°21 | 26°32 | 24°21 | 21°36 | 28°16 | 25°32 | 26°47 | 23°11 | 22°16 | T 4 |
| F 5 | 5 28 4 | 21°39'15 | 2♑ 2 | 29°54 | 5°23 | 20°42 | 10°29 | 26°38 | 24°24 | 21°35 | 28°15 | 25°22 | 26°44 | 23°17 | 22°15 | F 5 |
| S 6 | 5 32 0 | 22°40'26 | 17°14 | 0♐57 | 6°29 | 21°27 | 10°37 | 26°43 | 24°28 | 21°33 | 28°14 | 25°15 | 26°41 | 23°24 | 22°14 | S 6 |
| S 7 | 5 35 57 | 23°41'37 | 2♒ 7 | 2° 3 | 7°35 | 22°12 | 10°45 | 26°48 | 24°31 | 21°32 | 28°13 | 25°10 | 26°37 | 23°31 | 22°13 | S 7 |
| M 8 | 5 39 53 | 24°42'48 | 16°35 | 3°12 | 8°41 | 22°58 | 10°53 | 26°53 | 24°35 | 21°31 | 28°12 | 25° 8 | 26°34 | 23°38 | 22°12 | M 8 |
| T 9 | 5 43 50 | 25°43'59 | 0♓34 | 4°23 | 9°47 | 23°43 | 11° 1 | 26°58 | 24°38 | 21°29 | 28°11 | 25°D 8 | 26°31 | 23°44 | 22°11 | T 9 |
| W10 | 5 47 47 | 26°45'10 | 14° 6 | 5°36 | 10°54 | 24°29 | 11° 9 | 27° 2 | 24°41 | 21°28 | 28°10 | 25° 9 | 26°28 | 23°51 | 22°10 | W10 |
| T 11 | 5 51 43 | 27°46'21 | 27°12 | 6°52 | 12° 1 | 25°14 | 11°17 | 27° 7 | 24°44 | 21°27 | 28° 9 | 25°R 9 | 26°25 | 23°58 | 22° 9 | T 11 |
| F 12 | 5 55 40 | 28°47'32 | 9♈56 | 8° 9 | 13° 8 | 26° 0 | 11°26 | 27°12 | 24°48 | 21°25 | 28° 8 | 25° 9 | 26°22 | 24° 4 | 22° 9 | F 12 |
| S 13 | 5 59 36 | 29°48'43 | 22°23 | 9°28 | 14°15 | 26°45 | 11°35 | 27°16 | 24°51 | 21°24 | 28° 7 | 25° 6 | 26°18 | 24°11 | 22° 8 | S 13 |
| S 14 | 6 3 33 | 0♑49'53 | 4♉37 | 10°48 | 15°23 | 27°31 | 11°44 | 27°21 | 24°54 | 21°23 | 28° 6 | 25° 1 | 26°15 | 24°18 | 22° 7 | S 14 |
| M15 | 6 7 29 | 1°51'04 | 16°41 | 12° 9 | 16°31 | 28°16 | 11°53 | 27°25 | 24°57 | 21°22 | 28° 5 | 24°53 | 26°12 | 24°25 | 22° 7 | M15 |
| T 16 | 6 11 26 | 2°52'14 | 28°38 | 13°31 | 17°39 | 29° 2 | 12° 2 | 27°29 | 25° 0 | 21°20 | 28° 4 | 24°44 | 26° 9 | 24°31 | 22° 6 | T 16 |
| W17 | 6 15 22 | 3°53'24 | 10♊32 | 14°55 | 18°47 | 29°48 | 12°11 | 27°34 | 25° 4 | 21°19 | 28° 3 | 24°33 | 26° 6 | 24°38 | 22° 6 | W17 |
| T 18 | 6 19 19 | 4°54'34 | 22°23 | 16°19 | 19°55 | 0♑33 | 12°20 | 27°38 | 25° 7 | 21°18 | 28° 2 | 24°23 | 26° 2 | 24°45 | 22° 5 | T 18 |
| F 19 | 6 23 16 | 5°55'44 | 4♋15 | 17°44 | 21° 3 | 1°19 | 12°30 | 27°42 | 25°10 | 21°17 | 28° 1 | 24°14 | 25°59 | 24°51 | 22° 5 | F 19 |
| S 20 | 6 27 12 | 6°56'54 | 16° 8 | 19°10 | 22°12 | 2° 5 | 12°40 | 27°46 | 25°13 | 21°16 | 28° 1 | 24° 6 | 25°56 | 24°58 | 22° 5 | S 20 |
| S 21 | 6 31 9 | 7°58'04 | 28° 4 | 20°36 | 23°21 | 2°51 | 12°49 | 27°50 | 25°16 | 21°15 | 28° 0 | 24° 0 | 25°53 | 25° 5 | 22° 5 | S 21 |
| M22 | 6 35 5 | 8°59'13 | 10♌ 4 | 22° 3 | 24°30 | 3°37 | 12°59 | 27°54 | 25°19 | 21°14 | 27°59 | 23°57 | 25°50 | 25°11 | 22° 4 | M22 |
| T 23 | 6 39 2 | 10° 0'23 | 22°12 | 23°31 | 25°39 | 4°23 | 13° 9 | 27°57 | 25°22 | 21°13 | 27°58 | 23°D55 | 25°47 | 25°18 | 22° 4 | T 23 |
| W24 | 6 42 58 | 11° 1'32 | 4♍30 | 24°59 | 26°48 | 5° 9 | 13°19 | 28° 1 | 25°24 | 21°12 | 27°57 | 23°56 | 25°43 | 25°25 | 22°D 4 | W24 |
| T 25 | 6 46 55 | 12° 2'41 | 17° 1 | 26°28 | 27°58 | 5°55 | 13°30 | 28° 5 | 25°27 | 21°11 | 27°56 | 23°57 | 25°40 | 25°32 | 22° 4 | T 25 |
| F 26 | 6 50 51 | 13° 3'50 | 29°50 | 27°58 | 29° 7 | 6°41 | 13°40 | 28° 8 | 25°30 | 21°10 | 27°56 | 23°59 | 25°37 | 25°38 | 22° 4 | F 26 |
| S 27 | 6 54 48 | 14° 4'59 | 12♎59 | 29°28 | 0♐17 | 7°27 | 13°51 | 28°11 | 25°33 | 21° 9 | 27°55 | 24°R 0 | 25°34 | 25°45 | 22° 4 | S 27 |
| S 28 | 6 58 45 | 15° 6'08 | 26°32 | 0♑59 | 1°27 | 8°13 | 14° 1 | 28°15 | 25°36 | 21° 8 | 27°54 | 23°59 | 25°31 | 25°52 | 22° 5 | S 28 |
| M29 | 7 2 41 | 16° 7'16 | 10♏31 | 2°30 | 2°37 | 8°59 | 14°12 | 28°18 | 25°38 | 21° 7 | 27°53 | 23°57 | 25°28 | 25°58 | 22° 5 | M29 |
| T 30 | 7 6 38 | 17° 8'25 | 24°56 | 4° 2 | 3°47 | 9°45 | 14°23 | 28°21 | 25°41 | 21° 7 | 27°53 | 23°53 | 25°24 | 26° 5 | 22° 5 | T 30 |
| W31 | 7 10 34 | 18♑ 9'33 | 9♐43 | 5♑34 | 4♐57 | 10♑32 | 14♓34 | 28♎24 | 25♏44 | 21♉ 6 | 27♉52 | 23♒48 | 25♒21 | 26♊12 | 22♈ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s56 | 16s23 | 4s36 | 16s55 | 2n34 | 9s22 | 2n41 | 23s33 | 0s36 | 9s 3 | 1s18 | 7s58 | 2n22 | 18s40 | 0n14 | 16n31 | 1s48 | 7n55 | 12s14 | 12s53 | 12s34 | 27n57 | 8n42 | 0s 1 |
| T 2 | 23 2 | 21 32 | 4 58 | 17 10 | 2 29 | 9 43 | 2 42 | 23 37 | 0 37 | 9 0 | 1 17 | 8 0 | 2 22 | 18 40 | 0 14 | 16 30 | 1 48 | 7 55 | 12 14 | 12 56 | 12 35 | 27 57 | 8 42 | 0 1 |
| W 3 | 23 7 | 25 25 | 5 1 | 17 28 | 2 23 | 10 4 | 2 44 | 23 42 | 0 37 | 8 57 | 1 17 | 8 2 | 2 22 | 18 41 | 0 14 | 16 30 | 1 48 | 7 55 | 12 14 | 13 0 | 12 37 | 27 57 | 8 41 | 0 1 |
| T 4 | 23 11 | 27 32 | 4 42 | 17 46 | 2 16 | 10 25 | 2 45 | 23 46 | 0 38 | 8 54 | 1 17 | 8 3 | 2 23 | 18 42 | 0 14 | 16 30 | 1 48 | 7 54 | 12 13 | 13 3 | 12 38 | 27 57 | 8 41 | 0 1 |
| F 5 | 23 15 | 27 34 | 4 3 | 18 6 | 2 9 | 10 45 | 2 46 | 23 50 | 0 38 | 8 51 | 1 17 | 8 5 | 2 23 | 18 43 | 0 14 | 16 29 | 1 48 | 7 54 | 12 13 | 13 6 | 12 39 | 27 57 | 8 40 | 0 1 |
| S 6 | 23 19 | 25 30 | 3 7 | 18 26 | 2 2 | 11 6 | 2 46 | 23 53 | 0 39 | 8 48 | 1 17 | 8 7 | 2 23 | 18 44 | 0 14 | 16 29 | 1 48 | 7 54 | 12 13 | 13 9 | 12 40 | 27 57 | 8 40 | 0 2 |
| S 7 | 23 22 | 21 42 | 2 0 | 18 47 | 1 54 | 11 27 | 2 47 | 23 57 | 0 39 | 8 44 | 1 16 | 8 8 | 2 23 | 18 45 | 0 14 | 16 29 | 1 48 | 7 54 | 12 13 | 13 10 | 12 41 | 27 57 | 8 39 | 0 2 |
| M 8 | 23 25 | 16 39 | 0 46 | 19 8 | 1 46 | 11 48 | 2 48 | 24 0 | 0 40 | 8 41 | 1 16 | 8 10 | 2 23 | 18 45 | 0 14 | 16 28 | 1 48 | 7 54 | 12 13 | 13 11 | 12 42 | 27 57 | 8 39 | 0 2 |
| T 9 | 23 27 | 10 51 | 0n29 | 19 29 | 1 38 | 12 8 | 2 48 | 24 3 | 0 40 | 8 38 | 1 16 | 8 12 | 2 24 | 18 46 | 0 14 | 16 28 | 1 47 | 7 54 | 12 13 | 13 11 | 12 43 | 27 57 | 8 38 | 0 2 |
| W10 | 23 29 | 4 45 | 1 40 | 19 50 | 1 30 | 12 29 | 2 48 | 24 5 | 0 41 | 8 34 | 1 16 | 8 13 | 2 24 | 18 47 | 0 14 | 16 28 | 1 47 | 7 54 | 12 12 | 13 11 | 12 44 | 27 57 | 8 38 | 0 2 |
| T 11 | 23 30 | 1n22 | 2 43 | 20 11 | 1 22 | 12 49 | 2 48 | 24 7 | 0 41 | 8 31 | 1 16 | 8 15 | 2 24 | 18 48 | 0 14 | 16 27 | 1 47 | 7 54 | 12 12 | 13 11 | 12 45 | 27 56 | 8 38 | 0 2 |
| F 12 | 23 31 | 7 15 | 3 36 | 20 31 | 1 14 | 13 9 | 2 48 | 24 9 | 0 42 | 8 28 | 1 15 | 8 16 | 2 24 | 18 49 | 0 14 | 16 27 | 1 47 | 7 54 | 12 12 | 13 11 | 12 46 | 27 56 | 8 37 | 0 2 |
| S 13 | 23 31 | 12 43 | 4 18 | 20 52 | 1 6 | 13 29 | 2 48 | 24 11 | 0 42 | 8 24 | 1 15 | 8 17 | 2 24 | 18 49 | 0 14 | 16 27 | 1 47 | 7 54 | 12 12 | 13 12 | 12 47 | 27 56 | 8 37 | 0 2 |
| S 14 | 23 31 | 17 36 | 4 47 | 21 11 | 0 58 | 13 49 | 2 48 | 24 13 | 0 43 | 8 21 | 1 15 | 8 19 | 2 25 | 18 50 | 0 14 | 16 27 | 1 47 | 7 54 | 12 12 | 13 14 | 12 49 | 27 56 | 8 37 | 0 2 |
| M15 | 23 30 | 21 42 | 5 2 | 21 30 | 0 50 | 14 9 | 2 48 | 24 14 | 0 43 | 8 17 | 1 15 | 8 20 | 2 25 | 18 51 | 0 14 | 16 26 | 1 47 | 7 54 | 12 12 | 13 16 | 12 50 | 27 56 | 8 36 | 0 2 |
| T 16 | 23 29 | 24 52 | 5 5 | 21 49 | 0 41 | 14 29 | 2 47 | 24 15 | 0 44 | 8 13 | 1 15 | 8 22 | 2 25 | 18 52 | 0 14 | 16 26 | 1 47 | 7 54 | 12 11 | 13 19 | 12 51 | 27 56 | 8 36 | 0 2 |
| W17 | 23 28 | 26 57 | 4 54 | 22 7 | 0 33 | 14 48 | 2 47 | 24 16 | 0 44 | 8 9 | 1 14 | 8 23 | 2 25 | 18 53 | 0 14 | 16 26 | 1 47 | 7 54 | 12 11 | 13 23 | 12 52 | 27 56 | 8 36 | 0 2 |
| T 18 | 23 26 | 27 48 | 4 30 | 22 23 | 0 26 | 15 7 | 2 46 | 24 16 | 0 45 | 8 6 | 1 14 | 8 24 | 2 25 | 18 53 | 0 14 | 16 25 | 1 47 | 7 54 | 12 11 | 13 26 | 12 53 | 27 56 | 8 35 | 0 3 |
| F 19 | 23 23 | 27 22 | 3 55 | 22 39 | 0 18 | 15 26 | 2 45 | 24 16 | 0 45 | 8 2 | 1 14 | 8 25 | 2 26 | 18 54 | 0 14 | 16 25 | 1 47 | 7 54 | 12 11 | 13 29 | 12 54 | 27 55 | 8 35 | 0 3 |
| S 20 | 23 20 | 25 40 | 3 9 | 22 55 | 0 10 | 15 44 | 2 44 | 24 16 | 0 46 | 7 58 | 1 14 | 8 27 | 2 26 | 18 55 | 0 14 | 16 25 | 1 47 | 7 54 | 12 11 | 13 32 | 12 55 | 27 55 | 8 35 | 0 3 |
| S 21 | 23 17 | 22 49 | 2 15 | 23 9 | 0 2 | 16 3 | 2 43 | 24 16 | 0 46 | 7 54 | 1 14 | 8 28 | 2 26 | 18 55 | 0 14 | 16 25 | 1 47 | 7 54 | 12 10 | 13 34 | 12 56 | 27 55 | 8 35 | 0 3 |
| M22 | 23 13 | 18 58 | 1 14 | 23 22 | 0s 5 | 16 21 | 2 42 | 24 15 | 0 47 | 7 50 | 1 13 | 8 29 | 2 26 | 18 56 | 0 14 | 16 25 | 1 47 | 7 54 | 12 10 | 13 35 | 12 57 | 27 55 | 8 35 | 0 3 |
| T 23 | 23 8 | 14 18 | 0 9 | 23 34 | 0 12 | 16 38 | 2 40 | 24 14 | 0 47 | 7 46 | 1 13 | 8 30 | 2 27 | 18 57 | 0 14 | 16 24 | 1 47 | 7 54 | 12 10 | 13 35 | 12 58 | 27 55 | 8 35 | 0 3 |
| W24 | 23 4 | 9 0 | 0s57 | 23 45 | 0 20 | 16 56 | 2 39 | 24 13 | 0 48 | 7 42 | 1 13 | 8 31 | 2 27 | 18 58 | 0 14 | 16 24 | 1 47 | 7 54 | 12 10 | 13 35 | 12 59 | 27 55 | 8 35 | 0 3 |
| T 25 | 22 58 | 3 16 | 2 2 | 23 55 | 0 27 | 17 13 | 2 37 | 24 11 | 0 48 | 7 38 | 1 13 | 8 32 | 2 27 | 18 58 | 0 14 | 16 24 | 1 47 | 7 54 | 12 10 | 13 35 | 13 0 | 27 54 | 8 35 | 0 3 |
| F 26 | 22 53 | 2s43 | 3 2 | 24 4 | 0 34 | 17 30 | 2 36 | 24 10 | 0 49 | 7 34 | 1 13 | 8 33 | 2 27 | 18 59 | 0 14 | 16 24 | 1 47 | 7 54 | 12 9 | 13 34 | 13 1 | 27 54 | 8 34 | 0 3 |
| S 27 | 22 46 | 8 45 | 3 55 | 24 11 | 0 40 | 17 46 | 2 34 | 24 8 | 0 49 | 7 29 | 1 13 | 8 34 | 2 27 | 19 0 | 0 14 | 16 24 | 1 47 | 7 54 | 12 9 | 13 34 | 13 3 | 27 54 | 8 34 | 0 3 |
| S 28 | 22 40 | 14 33 | 4 36 | 24 18 | 0 47 | 18 2 | 2 32 | 24 5 | 0 50 | 7 25 | 1 12 | 8 35 | 2 28 | 19 0 | 0 14 | 16 23 | 1 47 | 7 54 | 12 9 | 13 34 | 13 4 | 27 54 | 8 34 | 0 3 |
| M29 | 22 33 | 19 48 | 5 3 | 24 23 | 0 53 | 18 18 | 2 30 | 24 3 | 0 50 | 7 21 | 1 12 | 8 36 | 2 28 | 19 1 | 0 14 | 16 23 | 1 47 | 7 54 | 12 9 | 13 35 | 13 5 | 27 54 | 8 34 | 0 3 |
| T 30 | 22 25 | 24 5 | 5 11 | 24 27 | 0 59 | 18 33 | 2 28 | 24 0 | 0 51 | 7 17 | 1 12 | 8 37 | 2 28 | 19 1 | 0 14 | 16 23 | 1 46 | 7 54 | 12 8 | 13 36 | 13 6 | 27 53 | 8 35 | 0 4 |
| W31 | 22s17 | 26s55 | 4s59 | 24s29 | 1s 5 | 18s48 | 2n26 | 23s57 | 0s51 | 7s12 | 1s12 | 8s38 | 2n28 | 19s 2 | 0n14 | 16n23 | 1s46 | 7n55 | 12s 8 | 13s38 | 13s 7 | 27n53 | 8n35 | 0s 4 |

Julian Day Number = 2230185.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'09, Lahiri = 15°24'09 Julian Calendar 1 Dec. 1393 == Greg. Calendar 9 Dec. 1393


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## JANUARY 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 14 31 | 19♑10'41 | 24♐47 | 7♑ 7 | 6♐ 7 | 11♑18 | 14♓45 | 28♎27 | 25♏46 | 21°R 5 | 27°R51 | 23°R42 | 25♒18 | 26♊19 | 22♈ 6 | T 1 |
| F 2 | 7 18 27 | 20°11'49 | 9♑59 | 8°40 | 7°18 | 12° 4 | 14°56 | 28°30 | 25°49 | 21♉ 4 | 27♉51 | 23♒37 | 25°15 | 26°25 | 22° 7 | F 2 |
| S 3 | 7 22 24 | 21°12'55 | 25° 7 | 10°14 | 8°28 | 12°51 | 15° 7 | 28°32 | 25°51 | 21° 4 | 27°50 | 23°33 | 25°12 | 26°32 | 22° 7 | S 3 |
| S 4 | 7 26 21 | 22°14'02 | 10♒ 4 | 11°48 | 9°39 | 13°37 | 15°19 | 28°35 | 25°54 | 21° 3 | 27°50 | 23°31 | 25° 9 | 26°39 | 22° 8 | S 4 |
| M 5 | 7 30 17 | 23°15'07 | 24°40 | 13°24 | 10°50 | 14°23 | 15°30 | 28°38 | 25°56 | 21° 3 | 27°49 | 23°D30 | 25° 5 | 26°45 | 22° 8 | M 5 |
| T 6 | 7 34 14 | 24°16'11 | 8♓50 | 14°59 | 12° 0 | 15°10 | 15°42 | 28°40 | 25°58 | 21° 2 | 27°48 | 23°31 | 25° 2 | 26°52 | 22° 9 | T 6 |
| W 7 | 7 38 10 | 25°17'14 | 22°33 | 16°35 | 13°11 | 15°56 | 15°53 | 28°42 | 26° 1 | 21° 1 | 27°48 | 23°33 | 24°59 | 26°59 | 22°10 | W 7 |
| T 8 | 7 42 7 | 26°18'16 | 5♈48 | 18°12 | 14°22 | 16°43 | 16° 5 | 28°45 | 26° 3 | 21° 1 | 27°47 | 23°34 | 24°56 | 27° 5 | 22°11 | T 8 |
| F 9 | 7 46 3 | 27°19'17 | 18°40 | 19°49 | 15°33 | 17°29 | 16°17 | 28°47 | 26° 5 | 21° 0 | 27°47 | 23°35 | 24°53 | 27°12 | 22°12 | F 9 |
| S 10 | 7 50 0 | 28°20'17 | 1♉10 | 21°28 | 16°44 | 18°16 | 16°29 | 28°49 | 26° 8 | 21° 0 | 27°46 | 23°R36 | 24°49 | 27°19 | 22°13 | S 10 |
| S 11 | 7 53 56 | 29°21'15 | 13°24 | 23° 6 | 17°56 | 19° 3 | 16°41 | 28°51 | 26°10 | 21° 0 | 27°46 | 23°35 | 24°46 | 27°26 | 22°14 | S 11 |
| M12 | 7 57 53 | 0♒22'13 | 25°26 | 24°46 | 19° 7 | 19°49 | 16°53 | 28°52 | 26°12 | 20°59 | 27°45 | 23°33 | 24°43 | 27°32 | 22°15 | M12 |
| T 13 | 8 1 50 | 1°23'09 | 7♊21 | 26°26 | 20°18 | 20°36 | 17° 5 | 28°54 | 26°14 | 20°59 | 27°45 | 23°30 | 24°40 | 27°39 | 22°16 | T 13 |
| W14 | 8 5 46 | 2°24'04 | 19°12 | 28° 6 | 21°30 | 21°22 | 17°18 | 28°56 | 26°16 | 20°58 | 27°44 | 23°26 | 24°37 | 27°46 | 22°17 | W14 |
| T 15 | 8 9 43 | 3°24'57 | 1♋ 2 | 29°48 | 22°41 | 22° 9 | 17°30 | 28°57 | 26°18 | 20°58 | 27°44 | 23°23 | 24°34 | 27°52 | 22°19 | T 15 |
| F 16 | 8 13 39 | 4°25'50 | 12°55 | 1♌30 | 23°53 | 22°56 | 17°42 | 28°59 | 26°20 | 20°58 | 27°44 | 23°19 | 24°30 | 27°59 | 22°20 | F 16 |
| S 17 | 8 17 36 | 5°26'41 | 24°53 | 3°13 | 25° 4 | 23°43 | 17°55 | 29° 0 | 26°22 | 20°58 | 27°43 | 23°17 | 24°27 | 28° 6 | 22°21 | S 17 |
| S 18 | 8 21 32 | 6°27'31 | 6♌57 | 4°56 | 26°16 | 24°29 | 18° 8 | 29° 1 | 26°24 | 20°58 | 27°43 | 23°15 | 24°24 | 28°12 | 22°23 | S 18 |
| M19 | 8 25 29 | 7°28'20 | 19°10 | 6°41 | 27°28 | 25°16 | 18°20 | 29° 2 | 26°25 | 20°57 | 27°43 | 23°D14 | 24°21 | 28°19 | 22°24 | M19 |
| T 20 | 8 29 25 | 8°29'07 | 1♍32 | 8°26 | 28°40 | 26° 3 | 18°33 | 29° 3 | 26°27 | 20°57 | 27°42 | 23°15 | 24°18 | 28°26 | 22°26 | T 20 |
| W21 | 8 33 22 | 9°29'53 | 14° 5 | 10°12 | 29°52 | 26°50 | 18°46 | 29° 4 | 26°29 | 20°57 | 27°42 | 23°15 | 24°14 | 28°33 | 22°28 | W21 |
| T 22 | 8 37 19 | 10°30'38 | 26°51 | 11°58 | 1♑ 4 | 27°36 | 18°59 | 29° 5 | 26°30 | 20°57 | 27°42 | 23°16 | 24°11 | 28°39 | 22°29 | T 22 |
| F 23 | 8 41 15 | 11°31'22 | 9♎50 | 13°45 | 2°16 | 28°23 | 19°12 | 29° 6 | 26°32 | 20°D57 | 27°42 | 23°18 | 24° 8 | 28°46 | 22°31 | F 23 |
| S 24 | 8 45 12 | 12°32'05 | 23° 6 | 15°33 | 3°28 | 29°10 | 19°25 | 29° 6 | 26°34 | 20°57 | 27°41 | 23°19 | 24° 5 | 28°53 | 22°33 | S 24 |
| S 25 | 8 49 8 | 13°32'47 | 6♏40 | 17°22 | 4°40 | 29°57 | 19°38 | 29° 7 | 26°35 | 20°57 | 27°41 | 23°19 | 24° 2 | 28°59 | 22°35 | S 25 |
| M26 | 8 53 5 | 14°33'28 | 20°31 | 19°11 | 5°52 | 0♒44 | 19°51 | 29° 7 | 26°36 | 20°57 | 27°41 | 23°R19 | 23°59 | 29° 6 | 22°36 | M26 |
| T 27 | 8 57 1 | 15°34'08 | 4♐41 | 21° 1 | 7° 4 | 1°31 | 20° 4 | 29° 8 | 26°38 | 20°58 | 27°41 | 23°19 | 23°55 | 29°13 | 22°38 | T 27 |
| W28 | 9 0 58 | 16°34'46 | 19° 7 | 22°51 | 8°16 | 2°18 | 20°17 | 29° 8 | 26°39 | 20°58 | 27°41 | 23°18 | 23°52 | 29°19 | 22°40 | W28 |
| T 29 | 9 4 54 | 17°35'24 | 3♑46 | 24°42 | 9°29 | 3° 5 | 20°31 | 29°R 8 | 26°41 | 20°58 | 27°41 | 23°17 | 23°49 | 29°26 | 22°42 | T 29 |
| F 30 | 9 8 51 | 18°36'00 | 18°32 | 26°33 | 10°41 | 3°52 | 20°44 | 29° 8 | 26°42 | 20°58 | 27°41 | 23°17 | 23°46 | 29°33 | 22°45 | F 30 |
| S 31 | 9 12 48 | 19♒36'35 | 3♒19 | 28♒23 | 11♑54 | 4♒39 | 20♓58 | 29♎ 8 | 26♏43 | 20♉58 | 27♉41 | 23♒16 | 23♒43 | 29♊40 | 22♈47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s 9 | 27s52 | 4s27 | 24s30 | 1s11 | 19s 2 | 2n24 | 23s54 | 0s51 | 7s 8 | 1s12 | 8s39 | 2n29 | 19s 3 | 0n14 | 16n23 | 1s46 | 7n55 | 12s 8 | 13s40 | 13s 8 | 27n53 | 8n35 | 0s 4 |
| F 2 | 22 0 | 26 43 | 3 35 | 24 30 | 1 16 | 19 16 | 2 22 | 23 50 | 0 52 | 7 3 | 1 12 | 8 39 | 2 29 | 19 3 | 0 14 | 16 23 | 1 46 | 7 55 | 12 8 | 13 42 | 13 9 | 27 53 | 8 35 | 0 4 |
| S 3 | 21 50 | 23 37 | 2 29 | 24 28 | 1 21 | 19 29 | 2 20 | 23 46 | 0 52 | 6 59 | 1 12 | 8 40 | 2 29 | 19 4 | 0 14 | 16 23 | 1 46 | 7 55 | 12 8 | 13 43 | 13 10 | 27 52 | 8 35 | 0 4 |
| S 4 | 21 41 | 18 57 | 1 13 | 24 25 | 1 26 | 19 43 | 2 17 | 23 42 | 0 53 | 6 54 | 1 11 | 8 41 | 2 29 | 19 5 | 0 14 | 16 22 | 1 46 | 7 55 | 12 7 | 13 44 | 13 11 | 27 52 | 8 35 | 0 4 |
| M 5 | 21 31 | 13 15 | 0n 6 | 24 21 | 1 31 | 19 55 | 2 15 | 23 37 | 0 53 | 6 50 | 1 11 | 8 41 | 2 30 | 19 5 | 0 14 | 16 22 | 1 46 | 7 55 | 12 7 | 13 44 | 13 12 | 27 52 | 8 35 | 0 4 |
| T 6 | 21 20 | 7 0 | 1 23 | 24 15 | 1 35 | 20 7 | 2 12 | 23 33 | 0 54 | 6 45 | 1 11 | 8 42 | 2 30 | 19 6 | 0 14 | 16 22 | 1 46 | 7 55 | 12 7 | 13 44 | 13 13 | 27 51 | 8 36 | 0 4 |
| W 7 | 21 9 | 0 38 | 2 33 | 24 8 | 1 40 | 20 19 | 2 10 | 23 28 | 0 54 | 6 40 | 1 11 | 8 43 | 2 30 | 19 6 | 0 14 | 16 22 | 1 46 | 7 55 | 12 7 | 13 43 | 13 14 | 27 51 | 8 36 | 0 4 |
| T 8 | 20 58 | 5n33 | 3 31 | 23 59 | 1 43 | 20 30 | 2 7 | 23 22 | 0 54 | 6 36 | 1 11 | 8 43 | 2 30 | 19 7 | 0 14 | 16 22 | 1 46 | 7 55 | 12 6 | 13 42 | 13 15 | 27 51 | 8 36 | 0 4 |
| F 9 | 20 46 | 11 18 | 4 18 | 23 49 | 1 47 | 20 40 | 2 4 | 23 17 | 0 55 | 6 31 | 1 11 | 8 44 | 2 31 | 19 7 | 0 14 | 16 22 | 1 46 | 7 56 | 12 6 | 13 42 | 13 16 | 27 50 | 8 36 | 0 4 |
| S 10 | 20 34 | 16 27 | 4 51 | 23 37 | 1 50 | 20 50 | 2 2 | 23 11 | 0 55 | 6 26 | 1 11 | 8 44 | 2 31 | 19 8 | 0 14 | 16 22 | 1 46 | 7 56 | 12 6 | 13 42 | 13 17 | 27 50 | 8 37 | 0 4 |
| S 11 | 20 21 | 20 49 | 5 9 | 23 24 | 1 53 | 21 0 | 1 59 | 23 5 | 0 56 | 6 21 | 1 10 | 8 45 | 2 31 | 19 8 | 0 14 | 16 22 | 1 46 | 7 56 | 12 5 | 13 42 | 13 19 | 27 50 | 8 37 | 0 4 |
| M12 | 20 8 | 24 16 | 5 14 | 23 9 | 1 56 | 21 9 | 1 56 | 22 58 | 0 56 | 6 16 | 1 10 | 8 45 | 2 31 | 19 9 | 0 14 | 16 22 | 1 46 | 7 56 | 12 5 | 13 43 | 13 20 | 27 49 | 8 37 | 0 5 |
| T 13 | 19 55 | 26 37 | 5 5 | 22 52 | 1 58 | 21 17 | 1 53 | 22 52 | 0 56 | 6 11 | 1 10 | 8 45 | 2 32 | 19 9 | 0 14 | 16 22 | 1 46 | 7 56 | 12 5 | 13 44 | 13 21 | 27 49 | 8 38 | 0 5 |
| W14 | 19 41 | 27 47 | 4 43 | 22 34 | 2 0 | 21 25 | 1 50 | 22 45 | 0 57 | 6 7 | 1 10 | 8 46 | 2 32 | 19 10 | 0 14 | 16 22 | 1 46 | 7 56 | 12 5 | 13 45 | 13 22 | 27 49 | 8 38 | 0 5 |
| T 15 | 19 27 | 27 40 | 4 9 | 22 15 | 2 2 | 21 32 | 1 47 | 22 38 | 0 57 | 6 2 | 1 10 | 8 46 | 2 32 | 19 10 | 0 14 | 16 22 | 1 45 | 7 57 | 12 4 | 13 46 | 13 23 | 27 48 | 8 38 | 0 5 |
| F 16 | 19 13 | 26 17 | 3 24 | 21 53 | 2 3 | 21 39 | 1 44 | 22 31 | 0 58 | 5 57 | 1 10 | 8 46 | 2 32 | 19 11 | 0 14 | 16 22 | 1 45 | 7 57 | 12 4 | 13 47 | 13 24 | 27 48 | 8 39 | 0 5 |
| S 17 | 18 58 | 23 41 | 2 30 | 21 31 | 2 4 | 21 45 | 1 41 | 22 23 | 0 58 | 5 52 | 1 10 | 8 47 | 2 33 | 19 11 | 0 14 | 16 22 | 1 45 | 7 57 | 12 4 | 13 48 | 13 25 | 27 48 | 8 39 | 0 5 |
| S 18 | 18 43 | 20 2 | 1 29 | 21 6 | 2 4 | 21 50 | 1 38 | 22 15 | 0 58 | 5 47 | 1 10 | 8 47 | 2 33 | 19 12 | 0 14 | 16 22 | 1 45 | 7 57 | 12 4 | 13 49 | 13 26 | 27 47 | 8 40 | 0 5 |
| M19 | 18 28 | 15 29 | 0 23 | 20 40 | 2 4 | 21 55 | 1 35 | 22 7 | 0 59 | 5 41 | 1 9 | 8 47 | 2 33 | 19 12 | 0 14 | 16 22 | 1 45 | 7 57 | 12 3 | 13 49 | 13 27 | 27 47 | 8 40 | 0 5 |
| T 20 | 18 12 | 10 15 | 0s46 | 20 12 | 2 4 | 21 59 | 1 31 | 21 59 | 0 59 | 5 36 | 1 9 | 8 47 | 2 33 | 19 12 | 0 14 | 16 22 | 1 45 | 7 58 | 12 3 | 13 49 | 13 28 | 27 46 | 8 41 | 0 5 |
| W21 | 17 56 | 4 33 | 1 53 | 19 43 | 2 3 | 22 3 | 1 28 | 21 50 | 0 59 | 5 31 | 1 9 | 8 47 | 2 34 | 19 13 | 0 14 | 16 22 | 1 45 | 7 58 | 12 3 | 13 49 | 13 29 | 27 46 | 8 41 | 0 5 |
| T 22 | 17 40 | 1s25 | 2 56 | 19 12 | 2 1 | 22 6 | 1 25 | 21 41 | 1 0 | 5 26 | 1 9 | 8 47 | 2 34 | 19 13 | 0 14 | 16 22 | 1 45 | 7 58 | 12 2 | 13 48 | 13 30 | 27 46 | 8 42 | 0 5 |
| F 23 | 17 23 | 7 26 | 3 50 | 18 39 | 1 59 | 22 8 | 1 22 | 21 32 | 1 0 | 5 21 | 1 9 | 8 47 | 2 34 | 19 13 | 0 14 | 16 22 | 1 45 | 7 58 | 12 2 | 13 48 | 13 31 | 27 45 | 8 42 | 0 5 |
| S 24 | 17 6 | 13 15 | 4 34 | 18 5 | 1 57 | 22 10 | 1 18 | 21 23 | 1 0 | 5 16 | 1 9 | 8 47 | 2 34 | 19 14 | 0 14 | 16 22 | 1 45 | 7 58 | 12 2 | 13 48 | 13 32 | 27 45 | 8 43 | 0 6 |
| S 25 | 16 49 | 18 33 | 5 4 | 17 29 | 1 54 | 22 11 | 1 15 | 21 13 | 1 1 | 5 10 | 1 9 | 8 47 | 2 35 | 19 14 | 0 14 | 16 22 | 1 45 | 7 59 | 12 2 | 13 48 | 13 33 | 27 44 | 8 44 | 0 6 |
| M26 | 16 31 | 23 1 | 5 17 | 16 52 | 1 50 | 22 12 | 1 12 | 21 3 | 1 1 | 5 5 | 1 9 | 8 47 | 2 35 | 19 15 | 0 14 | 16 22 | 1 45 | 7 59 | 12 1 | 13 48 | 13 34 | 27 44 | 8 44 | 0 6 |
| T 27 | 16 13 | 26 14 | 5 11 | 16 13 | 1 46 | 22 12 | 1 8 | 20 53 | 1 1 | 5 0 | 1 9 | 8 47 | 2 35 | 19 15 | 0 14 | 16 22 | 1 45 | 7 59 | 12 1 | 13 48 | 13 35 | 27 43 | 8 45 | 0 6 |
| W28 | 15 55 | 27 49 | 4 46 | 15 33 | 1 42 | 22 11 | 1 5 | 20 43 | 1 2 | 4 55 | 1 9 | 8 47 | 2 36 | 19 15 | 0 14 | 16 22 | 1 45 | 7 59 | 12 1 | 13 48 | 13 37 | 27 43 | 8 46 | 0 6 |
| T 29 | 15 37 | 27 29 | 4 1 | 14 51 | 1 36 | 22 10 | 1 1 | 20 32 | 1 2 | 4 49 | 1 8 | 8 46 | 2 36 | 19 15 | 0 14 | 16 23 | 1 45 | 8 0 | 12 0 | 13 48 | 13 38 | 27 42 | 8 46 | 0 6 |
| F 30 | 15 18 | 25 13 | 3 1 | 14 7 | 1 30 | 22 7 | 0 58 | 20 22 | 1 2 | 4 44 | 1 8 | 8 46 | 2 36 | 19 16 | 0 14 | 16 23 | 1 45 | 8 0 | 12 0 | 13 48 | 13 39 | 27 42 | 8 47 | 0 6 |
| S 31 | 14s59 | 21s14 | 1s48 | 13s23 | 1s24 | 22s 5 | 0n55 | 20s11 | 1s 2 | 4s38 | 1s 8 | 8s46 | 2n36 | 19s16 | 0n14 | 16n23 | 1s44 | 8n 0 | 12s 0 | 13s48 | 13s40 | 27n41 | 8n48 | 0s 6 |

Julian Day Number = 2230216.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'13, Lahiri = 15°24'13 Julian Calendar 1 Jan. 1394 == Greg. Calendar 9 Jan. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## FEBRUARY 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 16 44 | 20♒37'08 | 18♒ 0 | 0♓14 | 13♉ 6 | 5♒26 | 21♓11 | 29°R 7 | 26♏44 | 20♉59 | 27°R41 | 23°D16 | 23♒40 | 29♊46 | 22♈49 | S 1 |
| M 2 | 9 20 41 | 21°37'39 | 2♓28 | 2° 5 | 14°18 | 6°13 | 21°25 | 29♎ 7 | 26°45 | 20°59 | 27°D41 | 23♒16 | 23°36 | 29°53 | 22°51 | M 2 |
| T 3 | 9 24 37 | 22°38'09 | 16°37 | 3°55 | 15°31 | 7° 0 | 21°38 | 29° 7 | 26°46 | 20°59 | 27♉41 | 23°16 | 23°33 | 29°59 | 22°53 | T 3 |
| W 4 | 9 28 34 | 23°38'37 | 0♈22 | 5°44 | 16°44 | 7°47 | 21°52 | 29° 6 | 26°47 | 21° 0 | 27°41 | 23°R16 | 23°30 | 0♋ 6 | 22°56 | W 4 |
| T 5 | 9 32 30 | 24°39'03 | 13°44 | 7°32 | 17°56 | 8°34 | 22° 6 | 29° 5 | 26°48 | 21° 0 | 27°41 | 23°16 | 23°27 | 0°13 | 22°58 | T 5 |
| F 6 | 9 36 27 | 25°39'28 | 26°42 | 9°18 | 19° 9 | 9°21 | 22°19 | 29° 5 | 26°49 | 21° 1 | 27°41 | 23°16 | 23°24 | 0°20 | 23° 1 | F 6 |
| S 7 | 9 40 23 | 26°39'50 | 9♉18 | 11° 3 | 20°21 | 10° 8 | 22°33 | 29° 4 | 26°50 | 21° 1 | 27°41 | 23°16 | 23°20 | 0°26 | 23° 3 | S 7 |
| S 8 | 9 44 20 | 27°40'11 | 21°36 | 12°45 | 21°34 | 10°55 | 22°47 | 29° 3 | 26°50 | 21° 2 | 27°41 | 23°16 | 23°17 | 0°33 | 23° 6 | S 8 |
| M 9 | 9 48 17 | 28°40'29 | 3♊40 | 14°24 | 22°47 | 11°42 | 23° 1 | 29° 2 | 26°51 | 21° 2 | 27°41 | 23°D16 | 23°14 | 0°40 | 23° 8 | M 9 |
| T 10 | 9 52 13 | 29°40'45 | 15°36 | 16° 0 | 23°59 | 12°29 | 23°15 | 29° 1 | 26°52 | 21° 3 | 27°41 | 23°16 | 23°11 | 0°46 | 23°11 | T 10 |
| W11 | 9 56 10 | 0♓41'00 | 27°26 | 17°32 | 25°12 | 13°17 | 23°29 | 28°59 | 26°52 | 21° 4 | 27°41 | 23°16 | 23° 8 | 0°53 | 23°13 | W11 |
| T 12 | 10 0 6 | 1°41'12 | 9♋17 | 18°59 | 26°25 | 14° 4 | 23°43 | 28°58 | 26°53 | 21° 4 | 27°42 | 23°17 | 23° 5 | 1° 0 | 23°16 | T 12 |
| F 13 | 10 4 3 | 2°41'22 | 21°12 | 20°21 | 27°38 | 14°51 | 23°57 | 28°57 | 26°53 | 21° 5 | 27°42 | 23°18 | 23° 1 | 1° 7 | 23°19 | F 13 |
| S 14 | 10 7 59 | 3°41'31 | 3♌15 | 21°37 | 28°50 | 15°38 | 24°11 | 28°55 | 26°54 | 21° 6 | 27°42 | 23°19 | 22°58 | 1°13 | 23°22 | S 14 |
| S 15 | 10 11 56 | 4°41'37 | 15°28 | 22°47 | 0♒ 3 | 16°25 | 24°25 | 28°53 | 26°54 | 21° 7 | 27°42 | 23°20 | 22°55 | 1°20 | 23°25 | S 15 |
| M16 | 10 15 52 | 5°41'41 | 27°54 | 23°50 | 1°16 | 17°12 | 24°39 | 28°52 | 26°55 | 21° 7 | 27°43 | 23°R20 | 22°52 | 1°27 | 23°27 | M16 |
| T 17 | 10 19 49 | 6°41'43 | 10♍34 | 24°45 | 2°29 | 17°59 | 24°53 | 28°50 | 26°55 | 21° 8 | 27°43 | 23°19 | 22°49 | 1°33 | 23°30 | T 17 |
| W18 | 10 23 46 | 7°41'44 | 23°28 | 25°33 | 3°42 | 18°46 | 25° 7 | 28°48 | 26°55 | 21° 9 | 27°43 | 23°18 | 22°46 | 1°40 | 23°33 | W18 |
| T 19 | 10 27 42 | 8°41'42 | 6♎37 | 26°12 | 4°55 | 19°33 | 25°22 | 28°46 | 26°55 | 21°10 | 27°44 | 23°16 | 22°42 | 1°47 | 23°36 | T 19 |
| F 20 | 10 31 39 | 9°41'39 | 19°59 | 26°43 | 6° 8 | 20°21 | 25°36 | 28°44 | 26°55 | 21°11 | 27°44 | 23°14 | 22°39 | 1°53 | 23°39 | F 20 |
| S 21 | 10 35 35 | 10°41'34 | 3♏34 | 27° 5 | 7°21 | 21° 8 | 25°50 | 28°41 | 26°55 | 21°12 | 27°45 | 23°11 | 22°36 | 2° 0 | 23°42 | S 21 |
| S 22 | 10 39 32 | 11°41'27 | 17°21 | 27°19 | 8°34 | 21°55 | 26° 4 | 28°39 | 26°R55 | 21°13 | 27°45 | 23° 9 | 22°33 | 2° 7 | 23°45 | S 22 |
| M23 | 10 43 28 | 12°41'19 | 1♐18 | 27°R23 | 9°47 | 22°42 | 26°19 | 28°37 | 26°55 | 21°14 | 27°45 | 23° 8 | 22°30 | 2°14 | 23°48 | M23 |
| T 24 | 10 47 25 | 13°41'09 | 15°23 | 27°19 | 11° 0 | 23°29 | 26°33 | 28°34 | 26°55 | 21°15 | 27°46 | 23°D 8 | 22°26 | 2°20 | 23°52 | T 24 |
| W25 | 10 51 21 | 14°40'58 | 29°35 | 27° 6 | 12°13 | 24°16 | 26°47 | 28°32 | 26°55 | 21°16 | 27°46 | 23° 8 | 22°23 | 2°27 | 23°55 | W25 |
| T 26 | 10 55 18 | 15°40'44 | 13♑52 | 26°46 | 13°26 | 25° 3 | 27° 2 | 28°29 | 26°55 | 21°17 | 27°47 | 23° 9 | 22°20 | 2°34 | 23°58 | T 26 |
| F 27 | 10 59 15 | 16°40'29 | 28°12 | 26°18 | 14°39 | 25°50 | 27°16 | 28°26 | 26°55 | 21°18 | 27°47 | 23°11 | 22°17 | 2°40 | 24° 1 | F 27 |
| S 28 | 11 3 11 | 17♓40'12 | 12♒30 | 25♓43 | 15♒52 | 26♒37 | 27♓31 | 28♎23 | 26♏54 | 21♉20 | 27♉48 | 23♒12 | 22♒14 | 2♋47 | 24♈ 5 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s40 | 15s57 | 0s29 | 12s37 | 1s17 | 22s 1 | 0n51 | 19s59 | 1s 3 | 4s33 | 1s 8 | 8s46 | 2n37 | 19s16 | 0n14 | 16n23 | 1s44 | 8n 1 | 12s 0 | 13s48 | 13s41 | 27n41 | 8n48 | 0s 6 |
| M 2 | 14 21 | 9 50 | 0n51 | 11 50 | 1 9 | 21 57 | 0 48 | 19 48 | 1 3 | 4 28 | 1 8 | 8 45 | 2 37 | 19 17 | 0 14 | 16 23 | 1 44 | 8 1 | 11 59 | 13 48 | 13 42 | 27 40 | 8 49 | 0 6 |
| T 3 | 14 1 | 3 22 | 2 6 | 11 2 | 1 0 | 21 53 | 0 44 | 19 36 | 1 3 | 4 22 | 1 8 | 8 45 | 2 37 | 19 17 | 0 14 | 16 23 | 1 44 | 8 1 | 11 59 | 13 48 | 13 43 | 27 40 | 8 50 | 0 6 |
| W 4 | 13 41 | 3n 5 | 3 12 | 10 14 | 0 51 | 21 47 | 0 41 | 19 24 | 1 4 | 4 17 | 1 8 | 8 44 | 2 37 | 19 17 | 0 14 | 16 23 | 1 44 | 8 1 | 11 59 | 13 48 | 13 44 | 27 39 | 8 51 | 0 6 |
| T 5 | 13 21 | 9 12 | 4 5 | 9 24 | 0 41 | 21 42 | 0 38 | 19 12 | 1 4 | 4 11 | 1 8 | 8 44 | 2 38 | 19 17 | 0 14 | 16 24 | 1 44 | 8 2 | 11 58 | 13 48 | 13 45 | 27 39 | 8 52 | 0 6 |
| F 6 | 13 1 | 14 44 | 4 44 | 8 34 | 0 30 | 21 35 | 0 34 | 19 0 | 1 4 | 4 6 | 1 8 | 8 43 | 2 38 | 19 17 | 0 14 | 16 24 | 1 44 | 8 2 | 11 58 | 13 49 | 13 46 | 27 38 | 8 52 | 0 6 |
| S 7 | 12 40 | 19 30 | 5 8 | 7 44 | 0 19 | 21 28 | 0 31 | 18 48 | 1 4 | 4 0 | 1 8 | 8 43 | 2 38 | 19 18 | 0 14 | 16 24 | 1 44 | 8 2 | 11 58 | 13 49 | 13 47 | 27 38 | 8 53 | 0 7 |
| S 8 | 12 19 | 23 19 | 5 17 | 6 54 | 0 7 | 21 20 | 0 27 | 18 35 | 1 5 | 3 55 | 1 8 | 8 42 | 2 38 | 19 18 | 0 14 | 16 24 | 1 44 | 8 3 | 11 58 | 13 49 | 13 48 | 27 37 | 8 54 | 0 7 |
| M 9 | 11 58 | 26 4 | 5 12 | 6 5 | 0n 5 | 21 12 | 0 24 | 18 22 | 1 5 | 3 49 | 1 8 | 8 42 | 2 39 | 19 18 | 0 14 | 16 24 | 1 44 | 8 3 | 11 57 | 13 49 | 13 49 | 27 37 | 8 55 | 0 7 |
| T 10 | 11 37 | 27 36 | 4 54 | 5 16 | 0 18 | 21 3 | 0 21 | 18 9 | 1 5 | 3 43 | 1 7 | 8 41 | 2 39 | 19 18 | 0 14 | 16 25 | 1 44 | 8 3 | 11 57 | 13 49 | 13 50 | 27 36 | 8 56 | 0 7 |
| W11 | 11 16 | 27 52 | 4 23 | 4 28 | 0 32 | 20 53 | 0 17 | 17 56 | 1 5 | 3 38 | 1 7 | 8 40 | 2 39 | 19 18 | 0 14 | 16 25 | 1 44 | 8 4 | 11 57 | 13 48 | 13 51 | 27 35 | 8 57 | 0 7 |
| T 12 | 10 55 | 26 52 | 3 41 | 3 41 | 0 45 | 20 43 | 0 14 | 17 42 | 1 5 | 3 32 | 1 7 | 8 40 | 2 39 | 19 18 | 0 14 | 16 25 | 1 44 | 8 4 | 11 56 | 13 48 | 13 52 | 27 35 | 8 58 | 0 7 |
| F 13 | 10 33 | 24 37 | 2 49 | 2 56 | 0 59 | 20 32 | 0 11 | 17 29 | 1 6 | 3 26 | 1 7 | 8 39 | 2 39 | 19 18 | 0 14 | 16 25 | 1 44 | 8 4 | 11 56 | 13 48 | 13 53 | 27 34 | 8 59 | 0 7 |
| S 14 | 10 11 | 21 16 | 1 49 | 2 12 | 1 14 | 20 20 | 0 7 | 17 15 | 1 6 | 3 21 | 1 7 | 8 38 | 2 40 | 19 18 | 0 14 | 16 26 | 1 44 | 8 5 | 11 56 | 13 48 | 13 54 | 27 34 | 9 0 | 0 7 |
| S 15 | 9 49 | 16 57 | 0 43 | 1 32 | 1 28 | 20 8 | 0 4 | 17 1 | 1 6 | 3 15 | 1 7 | 8 37 | 2 40 | 19 19 | 0 14 | 16 26 | 1 44 | 8 5 | 11 56 | 13 47 | 13 55 | 27 33 | 9 1 | 0 7 |
| M16 | 9 27 | 11 51 | 0s25 | 0 54 | 1 42 | 19 56 | 0 1 | 16 47 | 1 6 | 3 10 | 1 7 | 8 37 | 2 40 | 19 19 | 0 14 | 16 26 | 1 43 | 8 5 | 11 55 | 13 47 | 13 56 | 27 32 | 9 2 | 0 7 |
| T 17 | 9 5 | 6 11 | 1 34 | 0 19 | 1 56 | 19 42 | 0s 2 | 16 33 | 1 6 | 3 4 | 1 7 | 8 36 | 2 40 | 19 19 | 0 14 | 16 26 | 1 43 | 8 6 | 11 55 | 13 47 | 13 57 | 27 32 | 9 3 | 0 7 |
| W18 | 8 43 | 0 10 | 2 39 | 0n13 | 2 10 | 19 29 | 0 5 | 16 18 | 1 7 | 2 58 | 1 7 | 8 35 | 2 41 | 19 19 | 0 14 | 16 27 | 1 43 | 8 6 | 11 55 | 13 48 | 13 59 | 27 31 | 9 4 | 0 7 |
| T 19 | 8 20 | 5s57 | 3 37 | 0 41 | 2 24 | 19 14 | 0 8 | 16 4 | 1 7 | 2 52 | 1 7 | 8 34 | 2 41 | 19 19 | 0 14 | 16 27 | 1 43 | 8 6 | 11 54 | 13 49 | 14 0 | 27 30 | 9 5 | 0 7 |
| F 20 | 7 58 | 11 55 | 4 24 | 1 5 | 2 36 | 18 59 | 0 12 | 15 49 | 1 7 | 2 47 | 1 7 | 8 33 | 2 41 | 19 19 | 0 14 | 16 27 | 1 43 | 8 7 | 11 54 | 13 49 | 14 1 | 27 30 | 9 6 | 0 8 |
| S 21 | 7 35 | 17 24 | 4 57 | 1 25 | 2 48 | 18 44 | 0 15 | 15 34 | 1 7 | 2 41 | 1 7 | 8 32 | 2 41 | 19 19 | 0 14 | 16 28 | 1 43 | 8 7 | 11 54 | 13 50 | 14 2 | 27 29 | 9 7 | 0 8 |
| S 22 | 7 12 | 22 5 | 5 14 | 1 40 | 2 59 | 18 28 | 0 18 | 15 19 | 1 7 | 2 35 | 1 7 | 8 31 | 2 41 | 19 19 | 0 14 | 16 28 | 1 43 | 8 7 | 11 54 | 13 51 | 14 3 | 27 28 | 9 8 | 0 8 |
| M23 | 6 49 | 25 35 | 5 12 | 1 51 | 3 9 | 18 11 | 0 21 | 15 3 | 1 7 | 2 30 | 1 7 | 8 30 | 2 42 | 19 19 | 0 14 | 16 28 | 1 43 | 8 8 | 11 53 | 13 51 | 14 4 | 27 28 | 9 9 | 0 8 |
| T 24 | 6 26 | 27 33 | 4 52 | 1 57 | 3 18 | 17 54 | 0 24 | 14 48 | 1 7 | 2 24 | 1 7 | 8 29 | 2 42 | 19 19 | 0 14 | 16 29 | 1 43 | 8 8 | 11 53 | 13 51 | 14 5 | 27 27 | 9 10 | 0 8 |
| W25 | 6 3 | 27 45 | 4 14 | 1 59 | 3 25 | 17 37 | 0 26 | 14 32 | 1 8 | 2 18 | 1 7 | 8 28 | 2 42 | 19 19 | 0 14 | 16 29 | 1 43 | 8 8 | 11 53 | 13 51 | 14 6 | 27 26 | 9 11 | 0 8 |
| T 26 | 5 40 | 26 7 | 3 20 | 1 56 | 3 31 | 17 19 | 0 29 | 14 17 | 1 8 | 2 12 | 1 7 | 8 27 | 2 42 | 19 19 | 0 14 | 16 29 | 1 43 | 8 9 | 11 52 | 13 51 | 14 7 | 27 26 | 9 12 | 0 8 |
| F 27 | 5 17 | 22 46 | 2 13 | 1 48 | 3 35 | 17 0 | 0 32 | 14 1 | 1 8 | 2 7 | 1 7 | 8 25 | 2 42 | 19 19 | 0 14 | 16 30 | 1 43 | 8 9 | 11 52 | 13 50 | 14 8 | 27 25 | 9 13 | 0 8 |
| S 28 | 4s53 | 18s 3 | 0s59 | 1n36 | 3n37 | 16s41 | 0s35 | 13s45 | 1s 8 | 2s 1 | 1s 7 | 8s24 | 2n43 | 19s19 | 0n14 | 16n30 | 1s43 | 8n10 | 11s52 | 13s50 | 14s 9 | 27n24 | 9n15 | 0s 8 |

Julian Day Number = 2230247.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'17, Lahiri = 15°24'18 Julian Calendar 1 Feb. 1394 == Greg. Calendar 9 Feb. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## MARCH 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 7 8 | 18♓39'54 | 26♒44 | 25°R 2 | 17♒ 5 | 27♒25 | 27♓45 | 28°R21 | 26°R54 | 21♉21 | 27♉48 | 23°R12 | 22♒11 | 2♋54 | 24♈ 8 | S 1 |
| M 2 | 11 11 4 | 19°39'33 | 10♓49 | 24♓17 | 18°18 | 28°12 | 28° 0 | 28♎18 | 26♏54 | 21°22 | 27°49 | 23♒11 | 22° 7 | 3° 0 | 24°11 | M 2 |
| T 3 | 11 15 1 | 20°39'10 | 24°41 | 23°27 | 19°32 | 28°59 | 28°14 | 28°14 | 26°53 | 21°23 | 27°50 | 23° 9 | 22° 4 | 3° 7 | 24°15 | T 3 |
| W 4 | 11 18 57 | 21°38'45 | 8♈16 | 22°35 | 20°45 | 29°46 | 28°29 | 28°11 | 26°53 | 21°25 | 27°50 | 23° 5 | 22° 1 | 3°14 | 24°18 | W 4 |
| T 5 | 11 22 54 | 22°38'18 | 21°33 | 21°41 | 21°58 | 0♓33 | 28°43 | 28° 8 | 26°52 | 21°26 | 27°51 | 23° 0 | 21°58 | 3°20 | 24°22 | T 5 |
| F 6 | 11 26 50 | 23°37'49 | 4♉30 | 20°47 | 23°11 | 1°20 | 28°58 | 28° 5 | 26°51 | 21°27 | 27°52 | 22°55 | 21°55 | 3°27 | 24°25 | F 6 |
| S 7 | 11 30 47 | 24°37'18 | 17° 7 | 19°54 | 24°24 | 2° 7 | 29°12 | 28° 1 | 26°51 | 21°29 | 27°52 | 22°51 | 21°52 | 3°34 | 24°29 | S 7 |
| S 8 | 11 34 43 | 25°36'44 | 29°27 | 19° 2 | 25°37 | 2°54 | 29°27 | 27°58 | 26°50 | 21°30 | 27°53 | 22°47 | 21°48 | 3°40 | 24°32 | S 8 |
| M 9 | 11 38 40 | 26°36'08 | 11♊34 | 18°13 | 26°51 | 3°41 | 29°41 | 27°55 | 26°49 | 21°32 | 27°54 | 22°44 | 21°45 | 3°47 | 24°36 | M 9 |
| T 10 | 11 42 37 | 27°35'30 | 23°30 | 17°28 | 28° 4 | 4°28 | 29°56 | 27°51 | 26°48 | 21°33 | 27°54 | 22°D43 | 21°42 | 3°54 | 24°39 | T 10 |
| W11 | 11 46 33 | 28°34'50 | 5♋21 | 16°46 | 29°17 | 5°15 | 0♈10 | 27°47 | 26°47 | 21°35 | 27°55 | 22°43 | 21°39 | 4° 1 | 24°43 | W11 |
| T 12 | 11 50 30 | 29°34'07 | 17°12 | 16°10 | 0♓30 | 6° 2 | 0°25 | 27°44 | 26°46 | 21°36 | 27°56 | 22°44 | 21°36 | 4° 7 | 24°46 | T 12 |
| F 13 | 11 54 26 | 0♈33'21 | 29° 8 | 15°38 | 1°43 | 6°49 | 0°39 | 27°40 | 26°45 | 21°38 | 27°57 | 22°46 | 21°32 | 4°14 | 24°50 | F 13 |
| S 14 | 11 58 23 | 1°32'34 | 11♌14 | 15°12 | 2°57 | 7°36 | 0°54 | 27°36 | 26°44 | 21°39 | 27°58 | 22°47 | 21°29 | 4°21 | 24°54 | S 14 |
| S 15 | 12 2 19 | 2°31'44 | 23°33 | 14°52 | 4°10 | 8°23 | 1° 8 | 27°32 | 26°43 | 21°41 | 27°58 | 22°R48 | 21°26 | 4°27 | 24°57 | S 15 |
| M16 | 12 6 16 | 3°30'52 | 6♍ 9 | 14°37 | 5°23 | 9°10 | 1°23 | 27°28 | 26°42 | 21°42 | 27°59 | 22°47 | 21°23 | 4°34 | 25° 1 | M16 |
| T 17 | 12 10 12 | 4°29'57 | 19° 5 | 14°28 | 6°36 | 9°56 | 1°37 | 27°24 | 26°41 | 21°44 | 28° 0 | 22°44 | 21°20 | 4°41 | 25° 5 | T 17 |
| W18 | 12 14 9 | 5°29'01 | 2♎20 | 14°D25 | 7°50 | 10°43 | 1°52 | 27°20 | 26°40 | 21°46 | 28° 1 | 22°39 | 21°17 | 4°47 | 25° 8 | W18 |
| T 19 | 12 18 6 | 6°28'02 | 15°54 | 14°27 | 9° 3 | 11°30 | 2° 6 | 27°16 | 26°39 | 21°47 | 28° 2 | 22°33 | 21°13 | 4°54 | 25°12 | T 19 |
| F 20 | 12 22 2 | 7°27'01 | 29°43 | 14°34 | 10°16 | 12°17 | 2°21 | 27°12 | 26°37 | 21°49 | 28° 3 | 22°26 | 21°10 | 5° 1 | 25°16 | F 20 |
| S 21 | 12 25 59 | 8°25'59 | 13♏46 | 14°47 | 11°29 | 13° 4 | 2°35 | 27° 8 | 26°36 | 21°51 | 28° 4 | 22°18 | 21° 7 | 5° 7 | 25°20 | S 21 |
| S 22 | 12 29 55 | 9°24'55 | 27°56 | 15° 4 | 12°43 | 13°50 | 2°50 | 27° 4 | 26°35 | 21°52 | 28° 5 | 22°12 | 21° 4 | 5°14 | 25°24 | S 22 |
| M23 | 12 33 52 | 10°23'48 | 12♐10 | 15°27 | 13°56 | 14°37 | 3° 4 | 27° 0 | 26°33 | 21°54 | 28° 6 | 22° 7 | 21° 1 | 5°21 | 25°27 | M23 |
| T 24 | 12 37 48 | 11°22'41 | 26°24 | 15°54 | 15° 9 | 15°24 | 3°18 | 26°55 | 26°32 | 21°56 | 28° 7 | 22° 4 | 20°57 | 5°27 | 25°31 | T 24 |
| W25 | 12 41 45 | 12°21'31 | 10♑36 | 16°25 | 16°22 | 16°11 | 3°33 | 26°51 | 26°30 | 21°58 | 28° 8 | 22°D 3 | 20°54 | 5°34 | 25°35 | W25 |
| T 26 | 12 45 41 | 13°20'20 | 24°42 | 17° 0 | 17°36 | 16°57 | 3°47 | 26°47 | 26°29 | 22° 0 | 28° 9 | 22° 3 | 20°51 | 5°41 | 25°39 | T 26 |
| F 27 | 12 49 38 | 14°19'07 | 8♒44 | 17°40 | 18°49 | 17°44 | 4° 2 | 26°42 | 26°27 | 22° 2 | 28°10 | 22° 4 | 20°48 | 5°48 | 25°43 | F 27 |
| S 28 | 12 53 35 | 15°17'52 | 22°38 | 18°23 | 20° 2 | 18°31 | 4°16 | 26°38 | 26°25 | 22° 3 | 28°11 | 22°R 4 | 20°45 | 5°54 | 25°47 | S 28 |
| S 29 | 12 57 31 | 16°16'35 | 6♓25 | 19°10 | 21°16 | 19°17 | 4°30 | 26°33 | 26°24 | 22° 5 | 28°12 | 22° 3 | 20°42 | 6° 1 | 25°50 | S 29 |
| M30 | 13 1 28 | 17°15'17 | 20° 3 | 20° 0 | 22°29 | 20° 4 | 4°45 | 26°29 | 26°22 | 22° 7 | 28°13 | 22° 0 | 20°38 | 6° 8 | 25°54 | M30 |
| T 31 | 13 5 24 | 18♈13'57 | 3♈31 | 20♓53 | 23♓42 | 20♓50 | 4♈59 | 26♎24 | 26♏20 | 22♉ 9 | 28♉14 | 21♒55 | 20♒35 | 6♋14 | 25♈58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s30 | 12s20 | 0n19 | 1n20 | 3n37 | 16s22 | 0s37 | 13s29 | 1s 8 | 1s55 | 1s 7 | 8s23 | 2n43 | 19s18 | 0n14 | 16n30 | 1s43 | 8n10 | 11s52 | 13s50 | 14s10 | 27n24 | 9n16 | 0s 8 |
| M 2 | 4 6 | 6 4 | 1 35 | 1 1 | 3 35 | 16 2 | 0 40 | 13 12 | 1 8 | 1 49 | 1 7 | 8 22 | 2 43 | 19 18 | 0 14 | 16 31 | 1 43 | 8 10 | 11 51 | 13 50 | 14 11 | 27 23 | 9 17 | 0 8 |
| T 3 | 3 43 | 0n23 | 2 44 | 0 38 | 3 32 | 15 41 | 0 43 | 12 56 | 1 8 | 1 43 | 1 7 | 8 21 | 2 43 | 19 18 | 0 14 | 16 31 | 1 43 | 8 11 | 11 51 | 13 51 | 14 12 | 27 22 | 9 18 | 0 8 |
| W 4 | 3 19 | 6 42 | 3 42 | 0 12 | 3 26 | 15 21 | 0 45 | 12 39 | 1 8 | 1 38 | 1 7 | 8 19 | 2 43 | 19 18 | 0 14 | 16 32 | 1 43 | 8 11 | 11 51 | 13 52 | 14 13 | 27 21 | 9 19 | 0 8 |
| T 5 | 2 56 | 12 33 | 4 27 | 0s16 | 3 19 | 14 59 | 0 48 | 12 23 | 1 8 | 1 32 | 1 7 | 8 18 | 2 44 | 19 18 | 0 14 | 16 32 | 1 42 | 8 12 | 11 51 | 13 54 | 14 14 | 27 21 | 9 21 | 0 9 |
| F 6 | 2 32 | 17 42 | 4 56 | 0 45 | 3 10 | 14 38 | 0 50 | 12 6 | 1 8 | 1 26 | 1 7 | 8 17 | 2 44 | 19 18 | 0 14 | 16 32 | 1 42 | 8 12 | 11 50 | 13 55 | 14 15 | 27 20 | 9 22 | 0 9 |
| S 7 | 2 9 | 21 58 | 5 11 | 1 16 | 3 0 | 14 16 | 0 53 | 11 49 | 1 8 | 1 20 | 1 7 | 8 15 | 2 44 | 19 18 | 0 14 | 16 33 | 1 42 | 8 12 | 11 50 | 13 57 | 14 16 | 27 19 | 9 23 | 0 9 |
| S 8 | 1 45 | 25 9 | 5 10 | 1 47 | 2 48 | 13 53 | 0 55 | 11 32 | 1 8 | 1 14 | 1 7 | 8 14 | 2 44 | 19 18 | 0 14 | 16 33 | 1 42 | 8 13 | 11 50 | 13 58 | 14 17 | 27 18 | 9 24 | 0 9 |
| M 9 | 1 21 | 27 7 | 4 56 | 2 18 | 2 35 | 13 30 | 0 57 | 11 15 | 1 8 | 1 9 | 1 7 | 8 13 | 2 44 | 19 17 | 0 14 | 16 34 | 1 42 | 8 13 | 11 50 | 13 59 | 14 18 | 27 17 | 9 25 | 0 9 |
| T 10 | 0 58 | 27 50 | 4 28 | 2 48 | 2 21 | 13 7 | 0 59 | 10 58 | 1 8 | 1 3 | 1 7 | 8 11 | 2 44 | 19 17 | 0 14 | 16 34 | 1 42 | 8 14 | 11 49 | 13 59 | 14 19 | 27 17 | 9 27 | 0 9 |
| W11 | 0 34 | 27 15 | 3 50 | 3 18 | 2 7 | 12 43 | 1 2 | 10 41 | 1 8 | 0 57 | 1 7 | 8 10 | 2 45 | 19 17 | 0 14 | 16 34 | 1 42 | 8 14 | 11 49 | 13 59 | 14 20 | 27 16 | 9 28 | 0 9 |
| T 12 | 0 10 | 25 25 | 3 2 | 3 46 | 1 51 | 12 19 | 1 4 | 10 23 | 1 8 | 0 51 | 1 7 | 8 8 | 2 45 | 19 17 | 0 14 | 16 35 | 1 42 | 8 14 | 11 49 | 13 59 | 14 21 | 27 15 | 9 29 | 0 9 |
| F 13 | 0n13 | 22 27 | 2 5 | 4 12 | 1 36 | 11 55 | 1 6 | 10 6 | 1 8 | 0 45 | 1 7 | 8 7 | 2 45 | 19 16 | 0 14 | 16 35 | 1 42 | 8 15 | 11 49 | 13 58 | 14 22 | 27 14 | 9 30 | 0 9 |
| S 14 | 0 37 | 18 28 | 1 3 | 4 37 | 1 20 | 11 31 | 1 8 | 9 48 | 1 8 | 0 40 | 1 7 | 8 5 | 2 45 | 19 16 | 0 14 | 16 36 | 1 42 | 8 15 | 11 48 | 13 58 | 14 23 | 27 13 | 9 32 | 0 9 |
| S 15 | 1 1 | 13 39 | 0s 4 | 4 59 | 1 5 | 11 6 | 1 10 | 9 31 | 1 8 | 0 34 | 1 7 | 8 4 | 2 45 | 19 16 | 0 14 | 16 36 | 1 42 | 8 16 | 11 48 | 13 58 | 14 24 | 27 13 | 9 33 | 0 9 |
| M16 | 1 24 | 8 10 | 1 12 | 5 19 | 0 49 | 10 40 | 1 11 | 9 13 | 1 8 | 0 28 | 1 7 | 8 2 | 2 45 | 19 16 | 0 14 | 16 37 | 1 42 | 8 16 | 11 48 | 13 58 | 14 25 | 27 12 | 9 34 | 0 9 |
| T 17 | 1 48 | 2 14 | 2 18 | 5 37 | 0 34 | 10 15 | 1 13 | 8 55 | 1 8 | 0 22 | 1 7 | 8 1 | 2 45 | 19 15 | 0 14 | 16 37 | 1 42 | 8 16 | 11 48 | 13 59 | 14 26 | 27 11 | 9 36 | 0 9 |
| W18 | 2 11 | 3s57 | 3 18 | 5 52 | 0 19 | 9 49 | 1 15 | 8 38 | 1 8 | 0 17 | 1 7 | 7 59 | 2 45 | 19 15 | 0 14 | 16 38 | 1 42 | 8 17 | 11 47 | 14 1 | 14 27 | 27 10 | 9 37 | 0 9 |
| T 19 | 2 35 | 10 5 | 4 8 | 6 5 | 0 4 | 9 23 | 1 16 | 8 20 | 1 8 | 0 11 | 1 7 | 7 58 | 2 46 | 19 15 | 0 14 | 16 38 | 1 42 | 8 17 | 11 47 | 14 3 | 14 28 | 27 9 | 9 38 | 0 10 |
| F 20 | 2 58 | 15 50 | 4 44 | 6 15 | 0s10 | 8 57 | 1 18 | 8 2 | 1 8 | 0 5 | 1 7 | 7 56 | 2 46 | 19 15 | 0 14 | 16 39 | 1 42 | 8 18 | 11 47 | 14 5 | 14 29 | 27 8 | 9 39 | 0 10 |
| S 21 | 3 21 | 20 51 | 5 4 | 6 23 | 0 24 | 8 30 | 1 19 | 7 44 | 1 8 | 0n 1 | 1 7 | 7 55 | 2 46 | 19 14 | 0 14 | 16 39 | 1 42 | 8 18 | 11 47 | 14 7 | 14 30 | 27 7 | 9 41 | 0 10 |
| S 22 | 3 45 | 24 44 | 5 6 | 6 28 | 0 37 | 8 3 | 1 21 | 7 25 | 1 8 | 0 6 | 1 7 | 7 53 | 2 46 | 19 14 | 0 14 | 16 40 | 1 42 | 8 18 | 11 46 | 14 10 | 14 31 | 27 7 | 9 42 | 0 10 |
| M23 | 4 8 | 27 6 | 4 49 | 6 31 | 0 49 | 7 36 | 1 22 | 7 7 | 1 8 | 0 12 | 1 7 | 7 51 | 2 46 | 19 14 | 0 14 | 16 40 | 1 42 | 8 19 | 11 46 | 14 11 | 14 32 | 27 6 | 9 43 | 0 10 |
| T 24 | 4 31 | 27 43 | 4 15 | 6 31 | 1 1 | 7 9 | 1 24 | 6 49 | 1 8 | 0 18 | 1 7 | 7 50 | 2 46 | 19 13 | 0 14 | 16 41 | 1 42 | 8 19 | 11 46 | 14 12 | 14 34 | 27 5 | 9 45 | 0 10 |
| W25 | 4 54 | 26 29 | 3 24 | 6 29 | 1 13 | 6 42 | 1 25 | 6 31 | 1 8 | 0 24 | 1 7 | 7 48 | 2 46 | 19 13 | 0 14 | 16 41 | 1 42 | 8 20 | 11 46 | 14 13 | 14 35 | 27 4 | 9 46 | 0 10 |
| T 26 | 5 17 | 23 35 | 2 22 | 6 25 | 1 23 | 6 14 | 1 26 | 6 13 | 1 8 | 0 29 | 1 7 | 7 47 | 2 46 | 19 13 | 0 14 | 16 42 | 1 41 | 8 20 | 11 46 | 14 12 | 14 36 | 27 3 | 9 47 | 0 10 |
| F 27 | 5 40 | 19 17 | 1 11 | 6 19 | 1 33 | 5 46 | 1 27 | 5 54 | 1 8 | 0 35 | 1 7 | 7 45 | 2 46 | 19 12 | 0 14 | 16 42 | 1 41 | 8 21 | 11 45 | 14 12 | 14 37 | 27 2 | 9 49 | 0 10 |
| S 28 | 6 3 | 13 58 | 0n 3 | 6 11 | 1 42 | 5 18 | 1 28 | 5 36 | 1 8 | 0 41 | 1 7 | 7 43 | 2 46 | 19 12 | 0 14 | 16 43 | 1 41 | 8 21 | 11 45 | 14 12 | 14 38 | 27 1 | 9 50 | 0 10 |
| S 29 | 6 25 | 8 0 | 1 16 | 6 0 | 1 51 | 4 50 | 1 29 | 5 17 | 1 7 | 0 46 | 1 7 | 7 42 | 2 46 | 19 11 | 0 14 | 16 43 | 1 41 | 8 21 | 11 45 | 14 12 | 14 39 | 27 0 | 9 51 | 0 10 |
| M30 | 6 48 | 1 45 | 2 24 | 5 48 | 1 59 | 4 22 | 1 30 | 4 59 | 1 7 | 0 52 | 1 7 | 7 40 | 2 46 | 19 11 | 0 14 | 16 44 | 1 41 | 8 22 | 11 45 | 14 13 | 14 40 | 26 59 | 9 53 | 0 10 |
| T 31 | 7n10 | 4n30 | 3n23 | 5s34 | 2s 7 | 3s54 | 1s31 | 4s40 | 1s 7 | 0n58 | 1s 7 | 7s38 | 2n46 | 19s11 | 0n14 | 16n44 | 1s41 | 8n22 | 11s45 | 14s15 | 14s41 | 26n58 | 9n54 | 0s10 |

Julian Day Number = 2230275.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'21, Lahiri = 15°24'21 Julian Calendar 1 March 1394 == Greg. Calendar 9 March 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## APRIL 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 9 21 | 19♈12'34 | 16♈47 | 21♓49 | 24♓56 | 21♓37 | 5♈13 | 26°R20 | 26°R19 | 22♉11 | 28♉15 | 21°R47 | 20♒32 | 6♋21 | 26♈ 2 | W 1 |
| T 2 | 13 13 17 | 20°11'10 | 29°48 | 22°49 | 26° 9 | 22°23 | 5°28 | 26♎15 | 26♏17 | 22°13 | 28°16 | 21♒37 | 20°29 | 6°28 | 26° 6 | T 2 |
| F 3 | 13 17 14 | 21° 9'44 | 12♉35 | 23°51 | 27°22 | 23°10 | 5°42 | 26°11 | 26°15 | 22°15 | 28°17 | 21°26 | 20°26 | 6°34 | 26°10 | F 3 |
| S 4 | 13 21 10 | 22° 8'16 | 25° 6 | 24°56 | 28°36 | 23°56 | 5°56 | 26° 6 | 26°13 | 22°17 | 28°18 | 21°15 | 20°23 | 6°41 | 26°14 | S 4 |
| S 5 | 13 25 7 | 23° 6'46 | 7♊23 | 26° 3 | 29°49 | 24°43 | 6°10 | 26° 2 | 26°11 | 22°19 | 28°19 | 21° 6 | 20°19 | 6°48 | 26°18 | S 5 |
| M 6 | 13 29 4 | 24° 5'14 | 19°27 | 27°13 | 1♈ 2 | 25°29 | 6°24 | 25°57 | 26° 9 | 22°21 | 28°21 | 20°58 | 20°16 | 6°54 | 26°22 | M 6 |
| T 7 | 13 33 0 | 25° 3'39 | 1♋22 | 28°25 | 2°16 | 26°15 | 6°39 | 25°53 | 26° 7 | 22°23 | 28°22 | 20°53 | 20°13 | 7° 1 | 26°26 | T 7 |
| W 8 | 13 36 57 | 26° 2'03 | 13°13 | 29°40 | 3°29 | 27° 1 | 6°53 | 25°48 | 26° 5 | 22°25 | 28°23 | 20°50 | 20°10 | 7° 8 | 26°30 | W 8 |
| T 9 | 13 40 53 | 27° 0'24 | 25° 3 | 0♈57 | 4°42 | 27°48 | 7° 7 | 25°44 | 26° 3 | 22°27 | 28°24 | 20°D49 | 20° 7 | 7°14 | 26°33 | T 9 |
| F 10 | 13 44 50 | 27°58'44 | 6♌58 | 2°16 | 5°56 | 28°34 | 7°21 | 25°39 | 26° 1 | 22°29 | 28°25 | 20°50 | 20° 3 | 7°21 | 26°37 | F 10 |
| S 11 | 13 48 46 | 28°57'01 | 19° 3 | 3°37 | 7° 9 | 29°20 | 7°35 | 25°35 | 25°59 | 22°31 | 28°26 | 20°R50 | 20° 0 | 7°28 | 26°41 | S 11 |
| S 12 | 13 52 43 | 29°55'16 | 1♍25 | 5° 0 | 8°22 | 0♈ 6 | 7°49 | 25°30 | 25°57 | 22°33 | 28°28 | 20°50 | 19°57 | 7°34 | 26°45 | S 12 |
| M13 | 13 56 39 | 0♉53'29 | 14° 6 | 6°26 | 9°36 | 0°52 | 8° 3 | 25°25 | 25°55 | 22°36 | 28°29 | 20°47 | 19°54 | 7°41 | 26°49 | M13 |
| T 14 | 14 0 36 | 1°51'40 | 27°10 | 7°53 | 10°49 | 1°38 | 8°17 | 25°21 | 25°52 | 22°38 | 28°30 | 20°43 | 19°51 | 7°48 | 26°53 | T 14 |
| W15 | 14 4 33 | 2°49'49 | 10♎39 | 9°22 | 12° 2 | 2°24 | 8°30 | 25°16 | 25°50 | 22°40 | 28°31 | 20°36 | 19°48 | 7°54 | 26°57 | W15 |
| T 16 | 14 8 29 | 3°47'56 | 24°32 | 10°54 | 13°15 | 3°10 | 8°44 | 25°12 | 25°48 | 22°42 | 28°33 | 20°26 | 19°44 | 8° 1 | 27° 1 | T 16 |
| F 17 | 14 12 26 | 4°46'02 | 8♏46 | 12°27 | 14°29 | 3°56 | 8°58 | 25° 8 | 25°46 | 22°44 | 28°34 | 20°15 | 19°41 | 8° 8 | 27° 5 | F 17 |
| S 18 | 14 16 22 | 5°44'05 | 23°16 | 14° 2 | 15°42 | 4°42 | 9°12 | 25° 3 | 25°43 | 22°46 | 28°35 | 20° 4 | 19°38 | 8°15 | 27° 9 | S 18 |
| S 19 | 14 20 19 | 6°42'08 | 7♐53 | 15°39 | 16°55 | 5°28 | 9°25 | 24°59 | 25°41 | 22°48 | 28°36 | 19°54 | 19°35 | 8°21 | 27°13 | S 19 |
| M20 | 14 24 15 | 7°40'09 | 22°31 | 17°19 | 18° 9 | 6°14 | 9°39 | 24°54 | 25°39 | 22°51 | 28°38 | 19°46 | 19°32 | 8°28 | 27°17 | M20 |
| T 21 | 14 28 12 | 8°38'08 | 7♑ 4 | 19° 0 | 19°22 | 7° 0 | 9°53 | 24°50 | 25°36 | 22°53 | 28°39 | 19°41 | 19°29 | 8°35 | 27°20 | T 21 |
| W22 | 14 32 8 | 9°36'06 | 21°27 | 20°43 | 20°35 | 7°45 | 10° 6 | 24°46 | 25°34 | 22°55 | 28°40 | 19°38 | 19°25 | 8°41 | 27°24 | W22 |
| T 23 | 14 36 5 | 10°34'03 | 5♒36 | 22°28 | 21°49 | 8°31 | 10°20 | 24°41 | 25°32 | 22°57 | 28°42 | 19°37 | 19°22 | 8°48 | 27°28 | T 23 |
| F 24 | 14 40 2 | 11°31'58 | 19°32 | 24°15 | 23° 2 | 9°17 | 10°33 | 24°37 | 25°29 | 22°59 | 28°43 | 19°37 | 19°19 | 8°55 | 27°32 | F 24 |
| S 25 | 14 43 58 | 12°29'52 | 3♓13 | 26° 4 | 24°16 | 10° 2 | 10°46 | 24°33 | 25°27 | 23° 2 | 28°44 | 19°37 | 19°16 | 9° 1 | 27°36 | S 25 |
| S 26 | 14 47 55 | 13°27'45 | 16°42 | 27°54 | 25°29 | 10°48 | 11° 0 | 24°29 | 25°25 | 23° 4 | 28°46 | 19°35 | 19°13 | 9° 8 | 27°40 | S 26 |
| M27 | 14 51 51 | 14°25'36 | 29°59 | 29°47 | 26°42 | 11°33 | 11°13 | 24°24 | 25°22 | 23° 6 | 28°47 | 19°30 | 19° 9 | 9°15 | 27°43 | M27 |
| T 28 | 14 55 48 | 15°23'27 | 13♈ 4 | 1♉42 | 27°56 | 12°19 | 11°26 | 24°20 | 25°20 | 23° 8 | 28°48 | 19°23 | 19° 6 | 9°21 | 27°47 | T 28 |
| W29 | 14 59 44 | 16°21'15 | 25°58 | 3°39 | 29° 9 | 13° 4 | 11°39 | 24°16 | 25°17 | 23°10 | 28°50 | 19°13 | 19° 3 | 9°28 | 27°51 | W29 |
| T 30 | 15 3 41 | 17♉19'03 | 8♉41 | 5♉37 | 0♉22 | 13♈50 | 11♈53 | 24♎12 | 25♏15 | 23♉13 | 28♉51 | 19♒ 0 | 19♒ 0 | 9♋35 | 27♈55 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 7n33 | 10n27 | 4n10 | 5s18 | 2s13 | 3s25 | 1s31 | 4s22 | 1s 7 | 1n 3 | 1s 7 | 7s37 | 2n46 | 19s10 | 0n14 | 16n45 | 1s41 | 8n23 | 11s44 | 14s18 | 14s42 | 26n57 | 9n55 | 0s11 |
| T 2 | 7 55 | 15 50 | 4 43 | 5 0 | 2 19 | 2 56 | 1 32 | 4 3 | 1 7 | 1 9 | 1 7 | 7 35 | 2 46 | 19 10 | 0 14 | 16 45 | 1 41 | 8 23 | 11 44 | 14 21 | 14 43 | 26 56 | 9 57 | 0 11 |
| F 3 | 8 17 | 20 25 | 5 0 | 4 40 | 2 25 | 2 28 | 1 32 | 3 45 | 1 7 | 1 15 | 1 7 | 7 33 | 2 46 | 19 9 | 0 14 | 16 46 | 1 41 | 8 23 | 11 44 | 14 24 | 14 44 | 26 55 | 9 58 | 0 11 |
| S 4 | 8 39 | 24 0 | 5 3 | 4 19 | 2 30 | 1 59 | 1 33 | 3 26 | 1 7 | 1 20 | 1 7 | 7 32 | 2 46 | 19 9 | 0 14 | 16 46 | 1 41 | 8 24 | 11 44 | 14 28 | 14 45 | 26 54 | 9 59 | 0 11 |
| S 5 | 9 1 | 26 25 | 4 52 | 3 56 | 2 34 | 1 30 | 1 33 | 3 7 | 1 6 | 1 26 | 1 7 | 7 30 | 2 46 | 19 8 | 0 14 | 16 47 | 1 41 | 8 24 | 11 44 | 14 31 | 14 46 | 26 53 | 10 1 | 0 11 |
| M 6 | 9 22 | 27 33 | 4 28 | 3 31 | 2 38 | 1 1 | 1 34 | 2 49 | 1 6 | 1 31 | 1 7 | 7 28 | 2 47 | 19 8 | 0 14 | 16 47 | 1 41 | 8 25 | 11 43 | 14 33 | 14 47 | 26 52 | 10 2 | 0 11 |
| T 7 | 9 44 | 27 23 | 3 52 | 3 5 | 2 41 | 0 32 | 1 34 | 2 30 | 1 6 | 1 37 | 1 7 | 7 27 | 2 47 | 19 8 | 0 14 | 16 48 | 1 41 | 8 25 | 11 43 | 14 35 | 14 48 | 26 51 | 10 4 | 0 11 |
| W 8 | 10 5 | 25 57 | 3 6 | 2 38 | 2 43 | 0 3 | 1 34 | 2 12 | 1 6 | 1 43 | 1 7 | 7 25 | 2 46 | 19 7 | 0 14 | 16 48 | 1 41 | 8 25 | 11 43 | 14 36 | 14 49 | 26 50 | 10 5 | 0 11 |
| T 9 | 10 26 | 23 22 | 2 13 | 2 9 | 2 45 | 0n26 | 1 34 | 1 53 | 1 6 | 1 48 | 1 7 | 7 23 | 2 46 | 19 7 | 0 14 | 16 49 | 1 41 | 8 26 | 11 43 | 14 36 | 14 50 | 26 49 | 10 6 | 0 11 |
| F 10 | 10 47 | 19 46 | 1 13 | 1 38 | 2 46 | 0 55 | 1 35 | 1 34 | 1 5 | 1 54 | 1 7 | 7 22 | 2 46 | 19 6 | 0 14 | 16 50 | 1 41 | 8 26 | 11 43 | 14 36 | 14 51 | 26 48 | 10 8 | 0 11 |
| S 11 | 11 8 | 15 19 | 0 9 | 1 7 | 2 47 | 1 24 | 1 35 | 1 16 | 1 5 | 1 59 | 1 8 | 7 20 | 2 46 | 19 6 | 0 14 | 16 50 | 1 41 | 8 27 | 11 43 | 14 36 | 14 52 | 26 47 | 10 9 | 0 11 |
| S 12 | 11 29 | 10 8 | 0s56 | 0 34 | 2 47 | 1 53 | 1 34 | 0 57 | 1 5 | 2 4 | 1 8 | 7 19 | 2 46 | 19 5 | 0 14 | 16 51 | 1 41 | 8 27 | 11 42 | 14 36 | 14 53 | 26 46 | 10 10 | 0 11 |
| M13 | 11 49 | 4 26 | 2 0 | 0n 1 | 2 47 | 2 22 | 1 34 | 0 39 | 1 5 | 2 10 | 1 8 | 7 17 | 2 46 | 19 5 | 0 14 | 16 51 | 1 41 | 8 28 | 11 42 | 14 37 | 14 54 | 26 45 | 10 12 | 0 12 |
| T 14 | 12 10 | 1s37 | 3 0 | 0 36 | 2 46 | 2 51 | 1 34 | 0 20 | 1 5 | 2 15 | 1 8 | 7 15 | 2 46 | 19 4 | 0 14 | 16 52 | 1 41 | 8 28 | 11 42 | 14 38 | 14 55 | 26 44 | 10 13 | 0 12 |
| W15 | 12 30 | 7 47 | 3 52 | 1 13 | 2 44 | 3 20 | 1 34 | 0 1 | 1 4 | 2 21 | 1 8 | 7 14 | 2 46 | 19 4 | 0 14 | 16 52 | 1 41 | 8 28 | 11 42 | 14 41 | 14 56 | 26 43 | 10 14 | 0 12 |
| T 16 | 12 50 | 13 45 | 4 31 | 1 51 | 2 42 | 3 49 | 1 33 | 0n17 | 1 4 | 2 26 | 1 8 | 7 12 | 2 46 | 19 3 | 0 14 | 16 53 | 1 41 | 8 29 | 11 42 | 14 44 | 14 57 | 26 42 | 10 16 | 0 12 |
| F 17 | 13 9 | 19 8 | 4 55 | 2 30 | 2 39 | 4 18 | 1 33 | 0 36 | 1 4 | 2 31 | 1 8 | 7 11 | 2 46 | 19 3 | 0 14 | 16 54 | 1 41 | 8 29 | 11 42 | 14 47 | 14 58 | 26 41 | 10 17 | 0 12 |
| S 18 | 13 29 | 23 30 | 5 1 | 3 10 | 2 36 | 4 47 | 1 33 | 0 54 | 1 3 | 2 37 | 1 8 | 7 9 | 2 46 | 19 2 | 0 14 | 16 54 | 1 41 | 8 29 | 11 42 | 14 50 | 14 59 | 26 40 | 10 18 | 0 12 |
| S 19 | 13 48 | 26 25 | 4 47 | 3 51 | 2 32 | 5 15 | 1 32 | 1 13 | 1 3 | 2 42 | 1 8 | 7 8 | 2 46 | 19 1 | 0 14 | 16 55 | 1 41 | 8 30 | 11 42 | 14 54 | 15 0 | 26 39 | 10 20 | 0 12 |
| M20 | 14 7 | 27 32 | 4 14 | 4 33 | 2 28 | 5 44 | 1 31 | 1 31 | 1 3 | 2 47 | 1 8 | 7 6 | 2 46 | 19 1 | 0 14 | 16 55 | 1 41 | 8 30 | 11 41 | 14 56 | 15 1 | 26 38 | 10 21 | 0 12 |
| T 21 | 14 26 | 26 44 | 3 25 | 5 16 | 2 23 | 6 12 | 1 31 | 1 50 | 1 3 | 2 53 | 1 8 | 7 4 | 2 46 | 19 0 | 0 14 | 16 56 | 1 41 | 8 31 | 11 41 | 14 58 | 15 2 | 26 36 | 10 22 | 0 12 |
| W22 | 14 44 | 24 10 | 2 23 | 6 0 | 2 17 | 6 41 | 1 30 | 2 8 | 1 2 | 2 58 | 1 8 | 7 3 | 2 46 | 19 0 | 0 14 | 16 56 | 1 41 | 8 31 | 11 41 | 14 59 | 15 3 | 26 35 | 10 24 | 0 12 |
| T 23 | 15 3 | 20 7 | 1 13 | 6 44 | 2 11 | 7 9 | 1 29 | 2 26 | 1 2 | 3 3 | 1 8 | 7 2 | 2 46 | 18 59 | 0 14 | 16 57 | 1 41 | 8 31 | 11 41 | 14 59 | 15 4 | 26 34 | 10 25 | 0 12 |
| F 24 | 15 21 | 15 1 | 0 0 | 7 30 | 2 5 | 7 37 | 1 28 | 2 45 | 1 2 | 3 8 | 1 9 | 7 0 | 2 46 | 18 59 | 0 14 | 16 58 | 1 41 | 8 32 | 11 41 | 14 59 | 15 5 | 26 33 | 10 26 | 0 12 |
| S 25 | 15 38 | 9 15 | 1n11 | 8 16 | 1 58 | 8 5 | 1 27 | 3 3 | 1 1 | 3 14 | 1 9 | 6 59 | 2 46 | 18 58 | 0 14 | 16 58 | 1 41 | 8 32 | 11 41 | 14 59 | 15 6 | 26 32 | 10 28 | 0 12 |
| S 26 | 15 56 | 3 9 | 2 18 | 9 3 | 1 51 | 8 33 | 1 26 | 3 21 | 1 1 | 3 19 | 1 9 | 6 57 | 2 45 | 18 58 | 0 14 | 16 59 | 1 41 | 8 33 | 11 41 | 15 0 | 15 7 | 26 31 | 10 29 | 0 13 |
| M27 | 16 13 | 2n59 | 3 16 | 9 50 | 1 43 | 9 0 | 1 25 | 3 39 | 1 1 | 3 24 | 1 9 | 6 56 | 2 45 | 18 57 | 0 14 | 16 59 | 1 41 | 8 33 | 11 41 | 15 1 | 15 8 | 26 30 | 10 30 | 0 13 |
| T 28 | 16 30 | 8 54 | 4 3 | 10 38 | 1 35 | 9 28 | 1 24 | 3 57 | 1 0 | 3 29 | 1 9 | 6 54 | 2 45 | 18 56 | 0 14 | 17 0 | 1 41 | 8 33 | 11 41 | 15 4 | 15 9 | 26 29 | 10 31 | 0 13 |
| W29 | 16 47 | 14 20 | 4 36 | 11 26 | 1 26 | 9 55 | 1 23 | 4 15 | 1 0 | 3 34 | 1 9 | 6 53 | 2 45 | 18 56 | 0 14 | 17 0 | 1 41 | 8 34 | 11 40 | 15 7 | 15 10 | 26 27 | 10 33 | 0 13 |
| T 30 | 17n 4 | 19n 5 | 4n55 | 12n14 | 1s17 | 10n22 | 1s22 | 4n33 | 1s 0 | 3n39 | 1s 9 | 6s52 | 2n45 | 18s55 | 0n14 | 17n 1 | 1s41 | 8n34 | 11s40 | 15s11 | 15s11 | 26n26 | 10n34 | 0s13 |

Julian Day Number = 2230306.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'25, Lahiri = 15°24'26 Julian Calendar 1 Apr. 1394 == Greg. Calendar 9 Apr. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## MAY 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 7 37 | 18♉16'49 | 21♉12 | 7♉37 | 1♉36 | 14♈35 | 12♈ 6 | 24°R 8 | 25°R12 | 23♉15 | 28♉52 | 18°R47 | 18♒57 | 9♋41 | 27♈59 | F 1 |
| S 2 | 15 11 34 | 19°14'34 | 3♊31 | 9°39 | 2°49 | 15°20 | 12°19 | 24♎ 4 | 25♏10 | 23°17 | 28°54 | 18♒33 | 18°54 | 9°48 | 28° 2 | S 2 |
| S 3 | 15 15 31 | 20°12'18 | 15°40 | 11°43 | 4° 2 | 16° 6 | 12°31 | 24° 1 | 25° 7 | 23°19 | 28°55 | 18°21 | 18°50 | 9°55 | 28° 6 | S 3 |
| M 4 | 15 19 27 | 21°10'00 | 27°39 | 13°49 | 5°16 | 16°51 | 12°44 | 23°57 | 25° 5 | 23°22 | 28°56 | 18°11 | 18°47 | 10° 1 | 28°10 | M 4 |
| T 5 | 15 23 24 | 22° 7'40 | 9♋31 | 15°56 | 6°29 | 17°36 | 12°57 | 23°53 | 25° 2 | 23°24 | 28°58 | 18° 4 | 18°44 | 10° 8 | 28°13 | T 5 |
| W 6 | 15 27 20 | 23° 5'19 | 21°20 | 18° 4 | 7°43 | 18°21 | 13°10 | 23°49 | 25° 0 | 23°26 | 28°59 | 17°59 | 18°41 | 10°15 | 28°17 | W 6 |
| T 7 | 15 31 17 | 24° 2'57 | 3♌ 8 | 20°13 | 8°56 | 19° 6 | 13°23 | 23°46 | 24°57 | 23°28 | 29° 0 | 17°57 | 18°38 | 10°21 | 28°21 | T 7 |
| F 8 | 15 35 13 | 25° 0'33 | 15° 2 | 22°24 | 10° 9 | 19°51 | 13°35 | 23°42 | 24°55 | 23°31 | 29° 2 | 17°D56 | 18°35 | 10°28 | 28°24 | F 8 |
| S 9 | 15 39 10 | 25°58'07 | 27° 6 | 24°35 | 11°23 | 20°36 | 13°48 | 23°39 | 24°52 | 23°33 | 29° 3 | 17°R56 | 18°31 | 10°35 | 28°28 | S 9 |
| S 10 | 15 43 6 | 26°55'40 | 9♍26 | 26°46 | 12°36 | 21°21 | 14° 0 | 23°35 | 24°50 | 23°35 | 29° 4 | 17°56 | 18°28 | 10°41 | 28°31 | S 10 |
| M11 | 15 47 3 | 27°53'11 | 22° 6 | 28°58 | 13°49 | 22° 5 | 14°12 | 23°32 | 24°47 | 23°37 | 29° 6 | 17°54 | 18°25 | 10°48 | 28°35 | M11 |
| T 12 | 15 51 0 | 28°50'42 | 5♎12 | 1♊10 | 15° 3 | 22°50 | 14°25 | 23°28 | 24°45 | 23°40 | 29° 7 | 17°50 | 18°22 | 10°55 | 28°39 | T 12 |
| W13 | 15 54 56 | 29°48'10 | 18°45 | 3°21 | 16°16 | 23°35 | 14°37 | 23°25 | 24°42 | 23°42 | 29° 9 | 17°43 | 18°19 | 11° 1 | 28°42 | W13 |
| T 14 | 15 58 53 | 0♊45'38 | 2♏47 | 5°32 | 17°30 | 24°20 | 14°49 | 23°22 | 24°40 | 23°44 | 29°10 | 17°34 | 18°15 | 11° 8 | 28°46 | T 14 |
| F 15 | 16 2 49 | 1°43'04 | 17°15 | 7°43 | 18°43 | 25° 4 | 15° 1 | 23°19 | 24°37 | 23°46 | 29°11 | 17°24 | 18°12 | 11°15 | 28°49 | F 15 |
| S 16 | 16 6 46 | 2°40'30 | 2♐ 2 | 9°52 | 19°56 | 25°49 | 15°13 | 23°16 | 24°35 | 23°49 | 29°13 | 17°13 | 18° 9 | 11°21 | 28°52 | S 16 |
| S 17 | 16 10 42 | 3°37'54 | 17° 1 | 11°59 | 21°10 | 26°33 | 15°25 | 23°13 | 24°33 | 23°51 | 29°14 | 17° 4 | 18° 6 | 11°28 | 28°56 | S 17 |
| M18 | 16 14 39 | 4°35'18 | 2♑ 2 | 14° 5 | 22°23 | 27°18 | 15°37 | 23°10 | 24°30 | 23°53 | 29°15 | 16°56 | 18° 3 | 11°35 | 28°59 | M18 |
| T 19 | 16 18 35 | 5°32'40 | 16°56 | 16°10 | 23°37 | 28° 2 | 15°49 | 23° 7 | 24°28 | 23°55 | 29°17 | 16°50 | 18° 0 | 11°41 | 29° 3 | T 19 |
| W20 | 16 22 32 | 6°30'02 | 1♒36 | 18°12 | 24°50 | 28°46 | 16° 0 | 23° 5 | 24°25 | 23°58 | 29°18 | 16°48 | 17°56 | 11°48 | 29° 6 | W20 |
| T 21 | 16 26 29 | 7°27'24 | 15°58 | 20°13 | 26° 3 | 29°31 | 16°12 | 23° 2 | 24°23 | 24° 0 | 29°19 | 16°D47 | 17°53 | 11°55 | 29° 9 | T 21 |
| F 22 | 16 30 25 | 8°24'45 | 29°59 | 22°11 | 27°17 | 0♉15 | 16°23 | 23° 0 | 24°20 | 24° 2 | 29°21 | 16°47 | 17°50 | 12° 1 | 29°12 | F 22 |
| S 23 | 16 34 22 | 9°22'05 | 13♓39 | 24° 7 | 28°30 | 0°59 | 16°35 | 22°57 | 24°18 | 24° 4 | 29°22 | 16°R47 | 17°47 | 12° 8 | 29°16 | S 23 |
| S 24 | 16 38 18 | 10°19'24 | 27° 1 | 26° 1 | 29°44 | 1°43 | 16°46 | 22°55 | 24°16 | 24° 6 | 29°24 | 16°46 | 17°44 | 12°15 | 29°19 | S 24 |
| M25 | 16 42 15 | 11°16'44 | 10♈ 6 | 27°53 | 0♊57 | 2°27 | 16°57 | 22°53 | 24°13 | 24° 8 | 29°25 | 16°43 | 17°41 | 12°22 | 29°22 | M25 |
| T 26 | 16 46 11 | 12°14'02 | 22°55 | 29°42 | 2°11 | 3°11 | 17° 8 | 22°50 | 24°11 | 24°11 | 29°26 | 16°37 | 17°37 | 12°28 | 29°25 | T 26 |
| W27 | 16 50 8 | 13°11'21 | 5♉33 | 1♋28 | 3°24 | 3°55 | 17°19 | 22°48 | 24° 9 | 24°13 | 29°28 | 16°29 | 17°34 | 12°35 | 29°28 | W27 |
| T 28 | 16 54 4 | 14° 8'39 | 17°58 | 3°13 | 4°38 | 4°39 | 17°30 | 22°46 | 24° 6 | 24°15 | 29°29 | 16°19 | 17°31 | 12°42 | 29°31 | T 28 |
| F 29 | 16 58 1 | 15° 5'56 | 0♊14 | 4°54 | 5°51 | 5°23 | 17°41 | 22°44 | 24° 4 | 24°17 | 29°30 | 16° 8 | 17°28 | 12°48 | 29°34 | F 29 |
| S 30 | 17 1 58 | 16° 3'13 | 12°22 | 6°34 | 7° 5 | 6° 6 | 17°52 | 22°42 | 24° 2 | 24°19 | 29°32 | 15°56 | 17°25 | 12°55 | 29°37 | S 30 |
| S 31 | 17 5 54 | 17♊ 0'29 | 24♊21 | 8♋10 | 8♊18 | 6♉50 | 18♈ 3 | 22♎41 | 24♏ 0 | 24♉21 | 29♉33 | 15♒46 | 17♒21 | 13♋ 2 | 29♈40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n20 | 22n56 | 5n 0 | 13n 2 | 1s 7 | 10n48 | 1s21 | 4n51 | 0s59 | 3n44 | 1s 9 | 6s50 | 2n45 | 18s55 | 0n14 | 17n 1 | 1s41 | 8n34 | 11s40 | 15s15 | 15s12 | 26n25 | 10n35 | 0s13 |
| S 2 | 17 36 | 25 40 | 4 50 | 13 51 | 0 58 | 11 15 | 1 19 | 5 9 | 0 59 | 3 49 | 1 9 | 6 49 | 2 45 | 18 54 | 0 14 | 17 2 | 1 41 | 8 35 | 11 40 | 15 19 | 15 13 | 26 24 | 10 37 | 0 13 |
| S 3 | 17 51 | 27 10 | 4 27 | 14 39 | 0 48 | 11 41 | 1 18 | 5 27 | 0 59 | 3 54 | 1 9 | 6 48 | 2 45 | 18 53 | 0 14 | 17 3 | 1 41 | 8 35 | 11 40 | 15 23 | 15 14 | 26 23 | 10 38 | 0 13 |
| M 4 | 18 7 | 27 22 | 3 53 | 15 27 | 0 37 | 12 7 | 1 16 | 5 45 | 0 58 | 3 59 | 1 10 | 6 46 | 2 44 | 18 53 | 0 14 | 17 3 | 1 41 | 8 35 | 11 40 | 15 26 | 15 15 | 26 21 | 10 39 | 0 13 |
| T 5 | 18 22 | 26 18 | 3 8 | 16 14 | 0 27 | 12 33 | 1 15 | 6 2 | 0 58 | 4 4 | 1 10 | 6 45 | 2 44 | 18 52 | 0 14 | 17 4 | 1 41 | 8 36 | 11 40 | 15 28 | 15 16 | 26 20 | 10 40 | 0 13 |
| W 6 | 18 36 | 24 4 | 2 16 | 17 0 | 0 16 | 12 58 | 1 13 | 6 20 | 0 57 | 4 9 | 1 10 | 6 44 | 2 44 | 18 52 | 0 14 | 17 4 | 1 41 | 8 36 | 11 40 | 15 30 | 15 17 | 26 19 | 10 41 | 0 13 |
| T 7 | 18 51 | 20 47 | 1 18 | 17 46 | 0 6 | 13 23 | 1 12 | 6 37 | 0 57 | 4 13 | 1 10 | 6 43 | 2 44 | 18 51 | 0 14 | 17 5 | 1 41 | 8 36 | 11 40 | 15 30 | 15 18 | 26 18 | 10 43 | 0 13 |
| F 8 | 19 5 | 16 38 | 0 15 | 18 30 | 0n 5 | 13 48 | 1 10 | 6 55 | 0 57 | 4 18 | 1 10 | 6 42 | 2 44 | 18 50 | 0 14 | 17 5 | 1 41 | 8 37 | 11 40 | 15 30 | 15 19 | 26 17 | 10 44 | 0 14 |
| S 9 | 19 19 | 11 46 | 0s48 | 19 13 | 0 15 | 14 13 | 1 9 | 7 12 | 0 56 | 4 23 | 1 10 | 6 41 | 2 44 | 18 50 | 0 14 | 17 6 | 1 41 | 8 37 | 11 40 | 15 30 | 15 20 | 26 15 | 10 45 | 0 14 |
| S 10 | 19 32 | 6 21 | 1 51 | 19 55 | 0 26 | 14 37 | 1 7 | 7 30 | 0 56 | 4 28 | 1 10 | 6 39 | 2 43 | 18 49 | 0 14 | 17 7 | 1 41 | 8 37 | 11 40 | 15 31 | 15 21 | 26 14 | 10 46 | 0 14 |
| M11 | 19 45 | 0 32 | 2 50 | 20 35 | 0 36 | 15 0 | 1 5 | 7 47 | 0 55 | 4 32 | 1 10 | 6 38 | 2 43 | 18 49 | 0 13 | 17 7 | 1 41 | 8 38 | 11 40 | 15 31 | 15 22 | 26 13 | 10 48 | 0 14 |
| T 12 | 19 58 | 5s29 | 3 43 | 21 12 | 0 46 | 15 24 | 1 3 | 8 4 | 0 55 | 4 37 | 1 11 | 6 37 | 2 43 | 18 48 | 0 13 | 17 8 | 1 41 | 8 38 | 11 40 | 15 32 | 15 23 | 26 12 | 10 49 | 0 14 |
| W13 | 20 11 | 11 26 | 4 24 | 21 48 | 0 55 | 15 47 | 1 1 | 8 21 | 0 54 | 4 42 | 1 11 | 6 36 | 2 43 | 18 47 | 0 13 | 17 8 | 1 41 | 8 38 | 11 40 | 15 34 | 15 24 | 26 10 | 10 50 | 0 14 |
| T 14 | 20 23 | 17 2 | 4 52 | 22 21 | 1 4 | 16 9 | 1 0 | 8 38 | 0 54 | 4 46 | 1 11 | 6 35 | 2 43 | 18 47 | 0 13 | 17 9 | 1 41 | 8 39 | 11 40 | 15 37 | 15 24 | 26 9 | 10 51 | 0 14 |
| F 15 | 20 34 | 21 51 | 5 1 | 22 52 | 1 13 | 16 32 | 0 58 | 8 54 | 0 53 | 4 51 | 1 11 | 6 34 | 2 42 | 18 46 | 0 13 | 17 9 | 1 41 | 8 39 | 11 40 | 15 40 | 15 25 | 26 8 | 10 52 | 0 14 |
| S 16 | 20 46 | 25 24 | 4 52 | 23 20 | 1 21 | 16 53 | 0 56 | 9 11 | 0 53 | 4 55 | 1 11 | 6 33 | 2 42 | 18 46 | 0 13 | 17 10 | 1 41 | 8 39 | 11 39 | 15 44 | 15 26 | 26 6 | 10 53 | 0 14 |
| S 17 | 20 57 | 27 13 | 4 22 | 23 46 | 1 28 | 17 15 | 0 54 | 9 28 | 0 52 | 5 0 | 1 11 | 6 33 | 2 42 | 18 45 | 0 13 | 17 10 | 1 41 | 8 40 | 11 39 | 15 47 | 15 27 | 26 5 | 10 54 | 0 14 |
| M18 | 21 8 | 27 4 | 3 34 | 24 9 | 1 35 | 17 36 | 0 52 | 9 44 | 0 52 | 5 4 | 1 11 | 6 32 | 2 42 | 18 45 | 0 13 | 17 11 | 1 41 | 8 40 | 11 39 | 15 49 | 15 28 | 26 4 | 10 56 | 0 14 |
| T 19 | 21 18 | 24 57 | 2 31 | 24 29 | 1 41 | 17 56 | 0 49 | 10 1 | 0 52 | 5 9 | 1 11 | 6 31 | 2 42 | 18 44 | 0 13 | 17 11 | 1 41 | 8 40 | 11 39 | 15 50 | 15 29 | 26 3 | 10 57 | 0 15 |
| W20 | 21 28 | 21 10 | 1 20 | 24 46 | 1 47 | 18 16 | 0 47 | 10 17 | 0 51 | 5 13 | 1 12 | 6 30 | 2 41 | 18 43 | 0 13 | 17 12 | 1 41 | 8 40 | 11 39 | 15 51 | 15 30 | 26 1 | 10 58 | 0 15 |
| T 21 | 21 38 | 16 10 | 0 4 | 25 1 | 1 52 | 18 36 | 0 45 | 10 33 | 0 51 | 5 17 | 1 12 | 6 29 | 2 41 | 18 43 | 0 13 | 17 13 | 1 41 | 8 41 | 11 39 | 15 52 | 15 31 | 26 0 | 10 59 | 0 15 |
| F 22 | 21 47 | 10 26 | 1n10 | 25 13 | 1 56 | 18 55 | 0 43 | 10 49 | 0 50 | 5 22 | 1 12 | 6 29 | 2 41 | 18 42 | 0 13 | 17 13 | 1 41 | 8 41 | 11 39 | 15 51 | 15 32 | 25 59 | 11 0 | 0 15 |
| S 23 | 21 56 | 4 20 | 2 18 | 25 22 | 1 59 | 19 14 | 0 41 | 11 5 | 0 50 | 5 26 | 1 12 | 6 28 | 2 41 | 18 42 | 0 13 | 17 14 | 1 41 | 8 41 | 11 39 | 15 51 | 15 33 | 25 57 | 11 1 | 0 15 |
| S 24 | 22 4 | 1n49 | 3 17 | 25 29 | 2 1 | 19 32 | 0 39 | 11 21 | 0 49 | 5 30 | 1 12 | 6 27 | 2 41 | 18 41 | 0 13 | 17 14 | 1 41 | 8 41 | 11 39 | 15 52 | 15 34 | 25 56 | 11 2 | 0 15 |
| M25 | 22 12 | 7 45 | 4 4 | 25 33 | 2 3 | 19 49 | 0 36 | 11 36 | 0 48 | 5 34 | 1 12 | 6 27 | 2 40 | 18 41 | 0 13 | 17 15 | 1 41 | 8 42 | 11 39 | 15 53 | 15 35 | 25 55 | 11 3 | 0 15 |
| T 26 | 22 20 | 13 14 | 4 38 | 25 35 | 2 4 | 20 7 | 0 34 | 11 52 | 0 48 | 5 38 | 1 13 | 6 26 | 2 40 | 18 40 | 0 13 | 17 15 | 1 41 | 8 42 | 11 39 | 15 55 | 15 36 | 25 53 | 11 4 | 0 15 |
| W27 | 22 27 | 18 5 | 4 58 | 25 35 | 2 4 | 20 23 | 0 32 | 12 7 | 0 47 | 5 42 | 1 13 | 6 25 | 2 40 | 18 39 | 0 13 | 17 16 | 1 41 | 8 42 | 11 39 | 15 57 | 15 37 | 25 52 | 11 5 | 0 15 |
| T 28 | 22 34 | 22 5 | 5 3 | 25 33 | 2 4 | 20 39 | 0 30 | 12 23 | 0 47 | 5 46 | 1 13 | 6 25 | 2 40 | 18 39 | 0 13 | 17 16 | 1 41 | 8 42 | 11 39 | 16 0 | 15 38 | 25 51 | 11 6 | 0 15 |
| F 29 | 22 41 | 25 4 | 4 54 | 25 28 | 2 3 | 20 54 | 0 27 | 12 38 | 0 46 | 5 50 | 1 13 | 6 24 | 2 39 | 18 38 | 0 13 | 17 17 | 1 41 | 8 43 | 11 40 | 16 3 | 15 39 | 25 49 | 11 7 | 0 15 |
| S 30 | 22 47 | 26 51 | 4 32 | 25 22 | 2 1 | 21 9 | 0 25 | 12 53 | 0 46 | 5 54 | 1 13 | 6 24 | 2 39 | 18 38 | 0 13 | 17 17 | 1 41 | 8 43 | 11 40 | 16 7 | 15 40 | 25 48 | 11 8 | 0 16 |
| S 31 | 22n53 | 27n22 | 3n58 | 25n14 | 1n58 | 21n24 | 0s23 | 13n 8 | 0s45 | 5n58 | 1s13 | 6s23 | 2n39 | 18s37 | 0n13 | 17n18 | 1s41 | 8n43 | 11s40 | 16s10 | 15s41 | 25n46 | 11n 9 | 0s16 |

Julian Day Number = 2230336.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'29, Lahiri = 15°24'30 Julian Calendar 1 May 1394 == Greg. Calendar 9 May 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## JUNE 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 9 51 | 17♊57'45 | 6♋14 | 9♋45 | 9♊32 | 7♉34 | 18♈13 | 22°R39 | 23°R57 | 24♉23 | 29♉34 | 15°R38 | 17♒18 | 13♋ 8 | 29♈43 | M 1 |
| T 2 | 17 13 47 | 18°55'00 | 18° 3 | 11°16 | 10°45 | 8°17 | 18°23 | 22♎38 | 23♏55 | 24°26 | 29°35 | 15♒32 | 17°15 | 13°15 | 29°46 | T 2 |
| W 3 | 17 17 44 | 19°52'15 | 29°50 | 12°45 | 11°59 | 9° 1 | 18°34 | 22°36 | 23°53 | 24°28 | 29°37 | 15°28 | 17°12 | 13°22 | 29°49 | W 3 |
| T 4 | 17 21 40 | 20°49'29 | 11♌39 | 14°12 | 13°12 | 9°44 | 18°44 | 22°35 | 23°51 | 24°30 | 29°38 | 15°D27 | 17° 9 | 13°28 | 29°52 | T 4 |
| F 5 | 17 25 37 | 21°46'42 | 23°33 | 15°36 | 14°26 | 10°27 | 18°54 | 22°33 | 23°49 | 24°32 | 29°39 | 15°27 | 17° 6 | 13°35 | 29°55 | F 5 |
| S 6 | 17 29 33 | 22°43'55 | 5♍37 | 16°57 | 15°39 | 11°11 | 19° 4 | 22°32 | 23°47 | 24°34 | 29°41 | 15°28 | 17° 2 | 13°42 | 29°57 | S 6 |
| S 7 | 17 33 30 | 23°41'07 | 17°55 | 18°16 | 16°53 | 11°54 | 19°14 | 22°31 | 23°45 | 24°36 | 29°42 | 15°R29 | 16°59 | 13°48 | 0♉ 0 | S 7 |
| M 8 | 17 37 27 | 24°38'18 | 0♎34 | 19°31 | 18° 7 | 12°37 | 19°24 | 22°30 | 23°43 | 24°38 | 29°43 | 15°29 | 16°56 | 13°55 | 0° 3 | M 8 |
| T 9 | 17 41 23 | 25°35'29 | 13°36 | 20°44 | 19°20 | 13°20 | 19°33 | 22°29 | 23°41 | 24°40 | 29°44 | 15°28 | 16°53 | 14° 2 | 0° 5 | T 9 |
| W10 | 17 45 20 | 26°32'40 | 27° 6 | 21°55 | 20°34 | 14° 3 | 19°43 | 22°28 | 23°39 | 24°42 | 29°46 | 15°24 | 16°50 | 14° 8 | 0° 8 | W10 |
| T 11 | 17 49 16 | 27°29'50 | 11♏ 6 | 23° 2 | 21°47 | 14°46 | 19°52 | 22°28 | 23°37 | 24°44 | 29°47 | 15°19 | 16°46 | 14°15 | 0°10 | T 11 |
| F 12 | 17 53 13 | 28°26'59 | 25°33 | 24° 6 | 23° 1 | 15°29 | 20° 1 | 22°27 | 23°35 | 24°46 | 29°48 | 15°12 | 16°43 | 14°22 | 0°13 | F 12 |
| S 13 | 17 57 9 | 29°24'09 | 10♐24 | 25° 7 | 24°15 | 16°12 | 20°10 | 22°27 | 23°33 | 24°48 | 29°49 | 15° 6 | 16°40 | 14°28 | 0°15 | S 13 |
| S 14 | 18 1 6 | 0♋21'18 | 25°31 | 26° 5 | 25°28 | 16°54 | 20°19 | 22°26 | 23°31 | 24°50 | 29°51 | 14°59 | 16°37 | 14°35 | 0°18 | S 14 |
| M15 | 18 5 3 | 1°18'27 | 10♑45 | 27° 0 | 26°42 | 17°37 | 20°28 | 22°26 | 23°29 | 24°51 | 29°52 | 14°54 | 16°34 | 14°42 | 0°20 | M15 |
| T 16 | 18 8 59 | 2°15'36 | 25°54 | 27°51 | 27°55 | 18°20 | 20°37 | 22°26 | 23°28 | 24°53 | 29°53 | 14°51 | 16°31 | 14°48 | 0°22 | T 16 |
| W17 | 18 12 56 | 3°12'45 | 10♒51 | 28°39 | 29° 9 | 19° 2 | 20°46 | 22°26 | 23°26 | 24°55 | 29°54 | 14°D50 | 16°27 | 14°55 | 0°25 | W17 |
| T 18 | 18 16 52 | 4° 9'55 | 25°28 | 29°24 | 0♋23 | 19°45 | 20°54 | 22°D26 | 23°24 | 24°57 | 29°55 | 14°50 | 16°24 | 15° 2 | 0°27 | T 18 |
| F 19 | 18 20 49 | 5° 7'04 | 9♓40 | 0♌ 4 | 1°36 | 20°27 | 21° 3 | 22°26 | 23°23 | 24°59 | 29°56 | 14°51 | 16°21 | 15° 8 | 0°29 | F 19 |
| S 20 | 18 24 45 | 6° 4'14 | 23°29 | 0°41 | 2°50 | 21°10 | 21°11 | 22°26 | 23°21 | 25° 1 | 29°58 | 14°53 | 16°18 | 15°15 | 0°31 | S 20 |
| S 21 | 18 28 42 | 7° 1'24 | 6♈52 | 1°14 | 4° 4 | 21°52 | 21°19 | 22°26 | 23°19 | 25° 2 | 29°59 | 14°R53 | 16°15 | 15°22 | 0°33 | S 21 |
| M22 | 18 32 38 | 7°58'35 | 19°55 | 1°42 | 5°18 | 22°34 | 21°27 | 22°26 | 23°18 | 25° 4 | 29°59 | 14°52 | 16°12 | 15°28 | 0°35 | M22 |
| T 23 | 18 36 35 | 8°55'46 | 2♉38 | 2° 6 | 6°31 | 23°16 | 21°35 | 22°27 | 23°16 | 25° 6 | 0♊ 1 | 14°50 | 16° 8 | 15°35 | 0°37 | T 23 |
| W24 | 18 40 32 | 9°52'58 | 15° 5 | 2°26 | 7°45 | 23°58 | 21°42 | 22°27 | 23°15 | 25° 8 | 0° 2 | 14°46 | 16° 5 | 15°42 | 0°39 | W24 |
| T 25 | 18 44 28 | 10°50'10 | 27°20 | 2°42 | 8°59 | 24°40 | 21°50 | 22°28 | 23°13 | 25° 9 | 0° 3 | 14°41 | 16° 2 | 15°48 | 0°41 | T 25 |
| F 26 | 18 48 25 | 11°47'23 | 9♊25 | 2°53 | 10°13 | 25°22 | 21°57 | 22°29 | 23°12 | 25°11 | 0° 4 | 14°36 | 15°59 | 15°55 | 0°43 | F 26 |
| S 27 | 18 52 21 | 12°44'36 | 21°23 | 2°59 | 11°27 | 26° 4 | 22° 5 | 22°30 | 23°11 | 25°13 | 0° 5 | 14°30 | 15°56 | 16° 2 | 0°44 | S 27 |
| S 28 | 18 56 18 | 13°41'50 | 3♋15 | 3°R 0 | 12°40 | 26°46 | 22°12 | 22°31 | 23° 9 | 25°14 | 0° 6 | 14°25 | 15°53 | 16° 8 | 0°46 | S 28 |
| M29 | 19 0 14 | 14°39'04 | 15° 4 | 2°56 | 13°54 | 27°27 | 22°19 | 22°32 | 23° 8 | 25°16 | 0° 7 | 14°21 | 15°49 | 16°15 | 0°48 | M29 |
| T 30 | 19 4 11 | 15♋36'19 | 26♋52 | 2♌48 | 15♋ 8 | 28♉ 9 | 22♈25 | 22♎33 | 23♏ 7 | 25♉18 | 0♊ 8 | 14♒18 | 15♒46 | 16♋22 | 0♉49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n58 | 26n36 | 3n14 | 25n 4 | 1n55 | 21n37 | 0s20 | 13n23 | 0s45 | 6n 2 | 1s14 | 6s23 | 2n39 | 18s37 | 0n13 | 17n18 | 1s41 | 8n43 | 11s40 | 16s12 | 15s42 | 25n45 | 11n10 | 0s16 |
| T 2 | 23 3 | 24 38 | 2 21 | 24 53 | 1 51 | 21 50 | 0 18 | 13 37 | 0 44 | 6 6 | 1 14 | 6 23 | 2 38 | 18 36 | 0 13 | 17 19 | 1 41 | 8 44 | 11 40 | 16 14 | 15 43 | 25 44 | 11 11 | 0 16 |
| W 3 | 23 8 | 21 36 | 1 23 | 24 40 | 1 46 | 22 3 | 0 15 | 13 52 | 0 43 | 6 10 | 1 14 | 6 22 | 2 38 | 18 36 | 0 13 | 17 19 | 1 41 | 8 44 | 11 40 | 16 15 | 15 44 | 25 42 | 11 12 | 0 16 |
| T 4 | 23 12 | 17 41 | 0 20 | 24 26 | 1 41 | 22 15 | 0 13 | 14 6 | 0 43 | 6 13 | 1 14 | 6 22 | 2 38 | 18 35 | 0 13 | 17 20 | 1 41 | 8 44 | 11 40 | 16 15 | 15 45 | 25 41 | 11 13 | 0 16 |
| F 5 | 23 16 | 13 2 | 0s43 | 24 11 | 1 35 | 22 26 | 0 11 | 14 20 | 0 42 | 6 17 | 1 14 | 6 22 | 2 38 | 18 35 | 0 13 | 17 20 | 1 41 | 8 44 | 11 40 | 16 15 | 15 46 | 25 39 | 11 14 | 0 16 |
| S 6 | 23 19 | 7 50 | 1 46 | 23 54 | 1 28 | 22 36 | 0 8 | 14 34 | 0 42 | 6 21 | 1 14 | 6 22 | 2 37 | 18 34 | 0 13 | 17 21 | 1 41 | 8 44 | 11 40 | 16 15 | 15 47 | 25 38 | 11 14 | 0 16 |
| S 7 | 23 22 | 2 15 | 2 46 | 23 37 | 1 21 | 22 46 | 0 6 | 14 48 | 0 41 | 6 24 | 1 15 | 6 22 | 2 37 | 18 34 | 0 13 | 17 21 | 1 41 | 8 45 | 11 40 | 16 15 | 15 48 | 25 36 | 11 15 | 0 16 |
| M 8 | 23 25 | 3s34 | 3 39 | 23 18 | 1 13 | 22 56 | 0 4 | 15 2 | 0 40 | 6 28 | 1 15 | 6 21 | 2 37 | 18 33 | 0 13 | 17 22 | 1 41 | 8 45 | 11 40 | 16 15 | 15 49 | 25 35 | 11 16 | 0 16 |
| T 9 | 23 27 | 9 24 | 4 22 | 22 59 | 1 5 | 23 4 | 0 1 | 15 16 | 0 40 | 6 31 | 1 15 | 6 21 | 2 37 | 18 33 | 0 13 | 17 22 | 1 41 | 8 45 | 11 40 | 16 15 | 15 50 | 25 34 | 11 17 | 0 16 |
| W10 | 23 28 | 15 1 | 4 53 | 22 39 | 0 56 | 23 12 | 0n 1 | 15 29 | 0 39 | 6 35 | 1 15 | 6 21 | 2 36 | 18 32 | 0 13 | 17 22 | 1 41 | 8 45 | 11 40 | 16 16 | 15 51 | 25 32 | 11 18 | 0 17 |
| T 11 | 23 30 | 20 4 | 5 7 | 22 19 | 0 46 | 23 20 | 0 4 | 15 42 | 0 39 | 6 38 | 1 15 | 6 21 | 2 36 | 18 32 | 0 13 | 17 23 | 1 41 | 8 45 | 11 40 | 16 18 | 15 52 | 25 31 | 11 19 | 0 17 |
| F 12 | 23 31 | 24 7 | 5 3 | 21 58 | 0 36 | 23 26 | 0 6 | 15 56 | 0 38 | 6 41 | 1 16 | 6 21 | 2 36 | 18 31 | 0 13 | 17 23 | 1 41 | 8 46 | 11 40 | 16 20 | 15 53 | 25 29 | 11 19 | 0 17 |
| S 13 | 23 31 | 26 41 | 4 39 | 21 36 | 0 26 | 23 32 | 0 8 | 16 9 | 0 37 | 6 44 | 1 16 | 6 21 | 2 36 | 18 31 | 0 13 | 17 24 | 1 41 | 8 46 | 11 40 | 16 22 | 15 54 | 25 28 | 11 20 | 0 17 |
| S 14 | 23 31 | 27 21 | 3 55 | 21 14 | 0 15 | 23 37 | 0 11 | 16 21 | 0 37 | 6 48 | 1 16 | 6 21 | 2 35 | 18 30 | 0 13 | 17 24 | 1 41 | 8 46 | 11 40 | 16 24 | 15 55 | 25 26 | 11 21 | 0 17 |
| M15 | 23 31 | 25 58 | 2 54 | 20 53 | 0 3 | 23 42 | 0 13 | 16 34 | 0 36 | 6 51 | 1 16 | 6 22 | 2 35 | 18 30 | 0 13 | 17 25 | 1 41 | 8 46 | 11 41 | 16 25 | 15 55 | 25 25 | 11 22 | 0 17 |
| T 16 | 23 30 | 22 41 | 1 41 | 20 31 | 0s 9 | 23 46 | 0 16 | 16 47 | 0 35 | 6 54 | 1 16 | 6 22 | 2 35 | 18 29 | 0 13 | 17 25 | 1 41 | 8 46 | 11 41 | 16 26 | 15 56 | 25 23 | 11 22 | 0 17 |
| W17 | 23 29 | 17 55 | 0 22 | 20 9 | 0 22 | 23 49 | 0 18 | 16 59 | 0 35 | 6 57 | 1 17 | 6 22 | 2 35 | 18 29 | 0 13 | 17 26 | 1 41 | 8 46 | 11 41 | 16 26 | 15 57 | 25 22 | 11 23 | 0 17 |
| T 18 | 23 27 | 12 11 | 0n57 | 19 47 | 0 35 | 23 51 | 0 20 | 17 11 | 0 34 | 7 0 | 1 17 | 6 22 | 2 34 | 18 29 | 0 13 | 17 26 | 1 41 | 8 46 | 11 41 | 16 26 | 15 58 | 25 20 | 11 24 | 0 17 |
| F 19 | 23 25 | 5 57 | 2 11 | 19 25 | 0 48 | 23 53 | 0 22 | 17 23 | 0 33 | 7 3 | 1 17 | 6 22 | 2 34 | 18 28 | 0 13 | 17 26 | 1 41 | 8 47 | 11 41 | 16 26 | 15 59 | 25 19 | 11 24 | 0 17 |
| S 20 | 23 23 | 0n23 | 3 15 | 19 4 | 1 2 | 23 54 | 0 25 | 17 35 | 0 33 | 7 6 | 1 17 | 6 23 | 2 34 | 18 28 | 0 13 | 17 27 | 1 41 | 8 47 | 11 41 | 16 26 | 16 0 | 25 17 | 11 25 | 0 18 |
| S 21 | 23 20 | 6 30 | 4 6 | 18 43 | 1 16 | 23 54 | 0 27 | 17 47 | 0 32 | 7 9 | 1 17 | 6 23 | 2 34 | 18 27 | 0 13 | 17 27 | 1 41 | 8 47 | 11 41 | 16 25 | 16 1 | 25 16 | 11 26 | 0 18 |
| M22 | 23 17 | 12 10 | 4 42 | 18 23 | 1 30 | 23 54 | 0 29 | 17 58 | 0 31 | 7 11 | 1 18 | 6 23 | 2 33 | 18 27 | 0 13 | 17 28 | 1 41 | 8 47 | 11 41 | 16 26 | 16 2 | 25 14 | 11 26 | 0 18 |
| T 23 | 23 13 | 17 11 | 5 4 | 18 4 | 1 44 | 23 53 | 0 31 | 18 9 | 0 31 | 7 14 | 1 18 | 6 24 | 2 33 | 18 27 | 0 13 | 17 28 | 1 41 | 8 47 | 11 41 | 16 26 | 16 3 | 25 13 | 11 27 | 0 18 |
| W24 | 23 9 | 21 22 | 5 11 | 17 45 | 1 59 | 23 51 | 0 34 | 18 21 | 0 30 | 7 17 | 1 18 | 6 24 | 2 33 | 18 26 | 0 13 | 17 28 | 1 41 | 8 47 | 11 42 | 16 27 | 16 4 | 25 11 | 11 28 | 0 18 |
| T 25 | 23 5 | 24 33 | 5 4 | 17 27 | 2 14 | 23 49 | 0 36 | 18 32 | 0 29 | 7 19 | 1 18 | 6 25 | 2 32 | 18 26 | 0 13 | 17 29 | 1 41 | 8 47 | 11 42 | 16 29 | 16 5 | 25 9 | 11 28 | 0 18 |
| F 26 | 23 0 | 26 36 | 4 43 | 17 11 | 2 28 | 23 45 | 0 38 | 18 42 | 0 29 | 7 22 | 1 18 | 6 25 | 2 32 | 18 26 | 0 13 | 17 29 | 1 41 | 8 47 | 11 42 | 16 31 | 16 6 | 25 8 | 11 29 | 0 18 |
| S 27 | 22 54 | 27 23 | 4 10 | 16 55 | 2 43 | 23 41 | 0 40 | 18 53 | 0 28 | 7 25 | 1 19 | 6 26 | 2 32 | 18 25 | 0 13 | 17 29 | 1 41 | 8 47 | 11 42 | 16 32 | 16 7 | 25 6 | 11 29 | 0 18 |
| S 28 | 22 49 | 26 55 | 3 26 | 16 41 | 2 57 | 23 37 | 0 42 | 19 3 | 0 27 | 7 27 | 1 19 | 6 27 | 2 32 | 18 25 | 0 13 | 17 30 | 1 42 | 8 47 | 11 42 | 16 34 | 16 8 | 25 5 | 11 30 | 0 18 |
| M29 | 22 43 | 25 12 | 2 33 | 16 28 | 3 12 | 23 31 | 0 44 | 19 14 | 0 26 | 7 29 | 1 19 | 6 27 | 2 31 | 18 25 | 0 13 | 17 30 | 1 42 | 8 48 | 11 42 | 16 35 | 16 9 | 25 3 | 11 30 | 0 18 |
| T 30 | 22n36 | 22n24 | 1n34 | 16n16 | 3s25 | 23n25 | 0n46 | 19n24 | 0s26 | 7n32 | 1s19 | 6s28 | 2n31 | 18s25 | 0n13 | 17n30 | 1s42 | 8n48 | 11s42 | 16s36 | 16s10 | 25n 2 | 11n31 | 0s19 |

Julian Day Number = 2230367.5, Delta T = 08m02s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'34, Lahiri = 15°24'34 Julian Calendar 1 June 1394 == Greg. Calendar 9 June 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## JULY 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 8 7 | 16♋33'34 | 8♌41 | 2°R35 | 16♋22 | 28♉51 | 22♈32 | 22♎34 | 23°R 6 | 25♉19 | 0♊ 9 | 14°D17 | 15♒43 | 16♋28 | 0♉51 | W 1 |
| T 2 | 19 12 4 | 17°30'49 | 20°33 | 2♌17 | 17°36 | 29°32 | 22°38 | 22°36 | 23♏ 5 | 25°21 | 0°10 | 14♒17 | 15°40 | 16°35 | 0°53 | T 2 |
| F 3 | 19 16 1 | 18°28'04 | 2♍32 | 1°54 | 18°50 | 0♊13 | 22°45 | 22°37 | 23° 4 | 25°22 | 0°11 | 14°18 | 15°37 | 16°42 | 0°54 | F 3 |
| S 4 | 19 19 57 | 19°25'20 | 14°40 | 1°28 | 20° 4 | 0°55 | 22°51 | 22°39 | 23° 3 | 25°24 | 0°12 | 14°20 | 15°33 | 16°48 | 0°55 | S 4 |
| S 5 | 19 23 54 | 20°22'36 | 27° 1 | 0°57 | 21°17 | 1°36 | 22°57 | 22°40 | 23° 2 | 25°25 | 0°13 | 14°21 | 15°30 | 16°55 | 0°57 | S 5 |
| M 6 | 19 27 50 | 21°19'53 | 9♎41 | 0°23 | 22°31 | 2°17 | 23° 3 | 22°42 | 23° 1 | 25°27 | 0°14 | 14°22 | 15°27 | 17° 2 | 0°58 | M 6 |
| T 7 | 19 31 47 | 22°17'10 | 22°41 | 29♋45 | 23°45 | 2°58 | 23° 8 | 22°44 | 23° 0 | 25°28 | 0°15 | 14°R23 | 15°24 | 17° 8 | 0°59 | T 7 |
| W 8 | 19 35 43 | 23°14'27 | 6♏ 5 | 29° 5 | 24°59 | 3°39 | 23°14 | 22°46 | 22°59 | 25°29 | 0°16 | 14°22 | 15°21 | 17°15 | 1° 0 | W 8 |
| T 9 | 19 39 40 | 24°11'45 | 19°56 | 28°23 | 26°13 | 4°20 | 23°19 | 22°48 | 22°58 | 25°31 | 0°17 | 14°21 | 15°18 | 17°22 | 1° 2 | T 9 |
| F 10 | 19 43 36 | 25° 9'03 | 4♐14 | 27°40 | 27°27 | 5° 1 | 23°24 | 22°50 | 22°57 | 25°32 | 0°18 | 14°19 | 15°14 | 17°28 | 1° 3 | F 10 |
| S 11 | 19 47 33 | 26° 6'22 | 18°55 | 26°56 | 28°41 | 5°42 | 23°29 | 22°52 | 22°57 | 25°33 | 0°19 | 14°16 | 15°11 | 17°35 | 1° 4 | S 11 |
| S 12 | 19 51 30 | 27° 3'41 | 3♑55 | 26°13 | 29°55 | 6°22 | 23°34 | 22°54 | 22°56 | 25°35 | 0°19 | 14°14 | 15° 8 | 17°42 | 1° 5 | S 12 |
| M13 | 19 55 26 | 28° 1'02 | 19° 5 | 25°30 | 1♌ 9 | 7° 3 | 23°39 | 22°57 | 22°56 | 25°36 | 0°20 | 14°13 | 15° 5 | 17°48 | 1° 6 | M13 |
| T 14 | 19 59 23 | 28°58'22 | 4♒17 | 24°50 | 2°23 | 7°43 | 23°43 | 22°59 | 22°55 | 25°37 | 0°21 | 14°12 | 15° 2 | 17°55 | 1° 6 | T 14 |
| W15 | 20 3 19 | 29°55'44 | 19°20 | 24°12 | 3°37 | 8°24 | 23°48 | 23° 2 | 22°54 | 25°38 | 0°22 | 14°D12 | 14°59 | 18° 2 | 1° 7 | W15 |
| T 16 | 20 7 16 | 0♌53'07 | 4♓ 7 | 23°37 | 4°51 | 9° 4 | 23°52 | 23° 4 | 22°54 | 25°40 | 0°23 | 14°12 | 14°55 | 18° 8 | 1° 8 | T 16 |
| F 17 | 20 11 12 | 1°50'31 | 18°31 | 23° 6 | 6° 5 | 9°44 | 23°56 | 23° 7 | 22°54 | 25°41 | 0°23 | 14°13 | 14°52 | 18°15 | 1° 9 | F 17 |
| S 18 | 20 15 9 | 2°47'56 | 2♈29 | 22°40 | 7°19 | 10°25 | 23°59 | 23°10 | 22°53 | 25°42 | 0°24 | 14°14 | 14°49 | 18°22 | 1° 9 | S 18 |
| S 19 | 20 19 5 | 3°45'22 | 16° 0 | 22°19 | 8°33 | 11° 5 | 24° 3 | 23°13 | 22°53 | 25°43 | 0°25 | 14°15 | 14°46 | 18°28 | 1°10 | S 19 |
| M20 | 20 23 2 | 4°42'49 | 29° 6 | 22° 4 | 9°47 | 11°45 | 24° 6 | 23°16 | 22°53 | 25°44 | 0°25 | 14°R15 | 14°43 | 18°35 | 1°10 | M20 |
| T 21 | 20 26 59 | 5°40'18 | 11♉50 | 21°55 | 11° 1 | 12°25 | 24°10 | 23°19 | 22°53 | 25°45 | 0°26 | 14°15 | 14°39 | 18°41 | 1°11 | T 21 |
| W22 | 20 30 55 | 6°37'48 | 24°15 | 21°D53 | 12°15 | 13° 5 | 24°13 | 23°22 | 22°52 | 25°46 | 0°27 | 14°15 | 14°36 | 18°48 | 1°11 | W22 |
| T 23 | 20 34 52 | 7°35'20 | 6♊25 | 21°57 | 13°29 | 13°44 | 24°15 | 23°25 | 22°52 | 25°47 | 0°27 | 14°14 | 14°33 | 18°55 | 1°12 | T 23 |
| F 24 | 20 38 48 | 8°32'53 | 18°25 | 22° 8 | 14°44 | 14°24 | 24°18 | 23°29 | 22°D52 | 25°48 | 0°28 | 14°13 | 14°30 | 19° 1 | 1°12 | F 24 |
| S 25 | 20 42 45 | 9°30'28 | 0♋17 | 22°25 | 15°58 | 15° 4 | 24°21 | 23°32 | 22°52 | 25°49 | 0°29 | 14°13 | 14°27 | 19° 8 | 1°12 | S 25 |
| S 26 | 20 46 41 | 10°28'04 | 12° 6 | 22°50 | 17°12 | 15°43 | 24°23 | 23°36 | 22°52 | 25°50 | 0°29 | 14°12 | 14°24 | 19°15 | 1°12 | S 26 |
| M27 | 20 50 38 | 11°25'41 | 23°53 | 23°22 | 18°26 | 16°23 | 24°25 | 23°39 | 22°52 | 25°51 | 0°30 | 14°12 | 14°20 | 19°21 | 1°12 | M27 |
| T 28 | 20 54 35 | 12°23'19 | 5♌43 | 24° 1 | 19°40 | 17° 2 | 24°27 | 23°43 | 22°53 | 25°51 | 0°30 | 14°12 | 14°17 | 19°28 | 1°R12 | T 28 |
| W29 | 20 58 31 | 13°20'59 | 17°37 | 24°47 | 20°54 | 17°41 | 24°28 | 23°47 | 22°53 | 25°52 | 0°31 | 14°D12 | 14°14 | 19°35 | 1°12 | W29 |
| T 30 | 21 2 28 | 14°18'40 | 29°38 | 25°39 | 22° 8 | 18°20 | 24°30 | 23°50 | 22°53 | 25°53 | 0°31 | 14°R12 | 14°11 | 19°41 | 1°12 | T 30 |
| F 31 | 21 6 24 | 15♌16'22 | 11♍47 | 26♋38 | 23♌23 | 18♊59 | 24♈31 | 23♎54 | 22♏53 | 25♉54 | 0♊32 | 14♒12 | 14♒ 8 | 19♋48 | 1♉12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n29 | 18n39 | 0n31 | 16n 6 | 3s39 | 23n19 | 0n48 | 19n34 | 0s25 | 7n34 | 1s20 | 6s29 | 2n31 | 18s24 | 0n13 | 17n31 | 1s42 | 8n48 | 11s42 | 16s36 | 16s11 | 25n 0 | 11n31 | 0s19 |
| T 2 | 22 22 | 14 9 | 0s34 | 15 58 | 3 51 | 23 11 | 0 50 | 19 43 | 0 24 | 7 36 | 1 20 | 6 29 | 2 31 | 18 24 | 0 13 | 17 31 | 1 42 | 8 48 | 11 43 | 16 36 | 16 12 | 24 58 | 11 32 | 0 19 |
| F 3 | 22 14 | 9 4 | 1 39 | 15 51 | 4 3 | 23 3 | 0 52 | 19 53 | 0 23 | 7 38 | 1 20 | 6 30 | 2 30 | 18 24 | 0 13 | 17 31 | 1 42 | 8 48 | 11 43 | 16 36 | 16 13 | 24 57 | 11 32 | 0 19 |
| S 4 | 22 6 | 3 36 | 2 40 | 15 46 | 4 14 | 22 54 | 0 54 | 20 2 | 0 23 | 7 40 | 1 20 | 6 31 | 2 30 | 18 23 | 0 13 | 17 32 | 1 42 | 8 48 | 11 43 | 16 35 | 16 14 | 24 55 | 11 32 | 0 19 |
| S 5 | 21 58 | 2s 5 | 3 34 | 15 43 | 4 24 | 22 45 | 0 56 | 20 11 | 0 22 | 7 42 | 1 21 | 6 32 | 2 30 | 18 23 | 0 13 | 17 32 | 1 42 | 8 48 | 11 43 | 16 35 | 16 14 | 24 54 | 11 33 | 0 19 |
| M 6 | 21 49 | 7 49 | 4 20 | 15 41 | 4 33 | 22 35 | 0 57 | 20 20 | 0 21 | 7 44 | 1 21 | 6 33 | 2 30 | 18 23 | 0 13 | 17 32 | 1 42 | 8 48 | 11 43 | 16 34 | 16 15 | 24 52 | 11 33 | 0 19 |
| T 7 | 21 40 | 13 23 | 4 53 | 15 42 | 4 41 | 22 24 | 0 59 | 20 29 | 0 20 | 7 46 | 1 21 | 6 34 | 2 29 | 18 23 | 0 13 | 17 33 | 1 42 | 8 48 | 11 43 | 16 34 | 16 16 | 24 50 | 11 33 | 0 19 |
| W 8 | 21 31 | 18 30 | 5 12 | 15 44 | 4 46 | 22 12 | 1 1 | 20 38 | 0 20 | 7 48 | 1 21 | 6 35 | 2 29 | 18 23 | 0 13 | 17 33 | 1 42 | 8 48 | 11 43 | 16 34 | 16 17 | 24 49 | 11 34 | 0 19 |
| T 9 | 21 21 | 22 49 | 5 14 | 15 48 | 4 51 | 22 0 | 1 3 | 20 46 | 0 19 | 7 50 | 1 22 | 6 36 | 2 29 | 18 22 | 0 13 | 17 33 | 1 42 | 8 48 | 11 44 | 16 35 | 16 18 | 24 47 | 11 34 | 0 19 |
| F 10 | 21 11 | 25 55 | 4 57 | 15 54 | 4 53 | 21 47 | 1 4 | 20 54 | 0 18 | 7 51 | 1 22 | 6 37 | 2 28 | 18 22 | 0 13 | 17 33 | 1 42 | 8 48 | 11 44 | 16 35 | 16 19 | 24 45 | 11 34 | 0 20 |
| S 11 | 21 0 | 27 22 | 4 20 | 16 1 | 4 54 | 21 34 | 1 6 | 21 3 | 0 17 | 7 53 | 1 22 | 6 38 | 2 28 | 18 22 | 0 13 | 17 34 | 1 42 | 8 48 | 11 44 | 16 36 | 16 20 | 24 44 | 11 35 | 0 20 |
| S 12 | 20 49 | 26 52 | 3 25 | 16 10 | 4 54 | 21 20 | 1 7 | 21 10 | 0 17 | 7 55 | 1 22 | 6 39 | 2 28 | 18 22 | 0 12 | 17 34 | 1 42 | 8 48 | 11 44 | 16 37 | 16 21 | 24 42 | 11 35 | 0 20 |
| M13 | 20 38 | 24 22 | 2 15 | 16 20 | 4 51 | 21 5 | 1 9 | 21 18 | 0 16 | 7 56 | 1 22 | 6 40 | 2 28 | 18 22 | 0 12 | 17 34 | 1 42 | 8 48 | 11 44 | 16 37 | 16 22 | 24 40 | 11 35 | 0 20 |
| T 14 | 20 26 | 20 8 | 0 55 | 16 32 | 4 47 | 20 50 | 1 10 | 21 25 | 0 15 | 7 57 | 1 23 | 6 41 | 2 27 | 18 22 | 0 12 | 17 34 | 1 42 | 8 48 | 11 44 | 16 38 | 16 23 | 24 39 | 11 35 | 0 20 |
| W15 | 20 14 | 14 37 | 0n28 | 16 44 | 4 41 | 20 34 | 1 11 | 21 33 | 0 14 | 7 59 | 1 23 | 6 42 | 2 27 | 18 22 | 0 12 | 17 35 | 1 42 | 8 48 | 11 45 | 16 38 | 16 24 | 24 37 | 11 35 | 0 20 |
| T 16 | 20 2 | 8 21 | 1 48 | 16 58 | 4 33 | 20 18 | 1 13 | 21 40 | 0 13 | 8 0 | 1 23 | 6 43 | 2 27 | 18 22 | 0 12 | 17 35 | 1 42 | 8 48 | 11 45 | 16 37 | 16 25 | 24 35 | 11 36 | 0 20 |
| F 17 | 19 49 | 1 49 | 2 59 | 17 12 | 4 24 | 20 0 | 1 14 | 21 47 | 0 13 | 8 1 | 1 23 | 6 45 | 2 27 | 18 21 | 0 12 | 17 35 | 1 42 | 8 48 | 11 45 | 16 37 | 16 26 | 24 34 | 11 36 | 0 20 |
| S 18 | 19 36 | 4n37 | 3 57 | 17 27 | 4 13 | 19 43 | 1 15 | 21 53 | 0 12 | 8 2 | 1 24 | 6 46 | 2 26 | 18 21 | 0 12 | 17 35 | 1 42 | 8 48 | 11 45 | 16 37 | 16 27 | 24 32 | 11 36 | 0 20 |
| S 19 | 19 23 | 10 37 | 4 40 | 17 42 | 4 1 | 19 25 | 1 16 | 22 0 | 0 11 | 8 4 | 1 24 | 6 47 | 2 26 | 18 21 | 0 12 | 17 36 | 1 42 | 8 48 | 11 45 | 16 37 | 16 28 | 24 30 | 11 36 | 0 20 |
| M20 | 19 9 | 15 57 | 5 6 | 17 57 | 3 48 | 19 6 | 1 17 | 22 6 | 0 10 | 8 5 | 1 24 | 6 49 | 2 26 | 18 21 | 0 12 | 17 36 | 1 42 | 8 48 | 11 46 | 16 37 | 16 29 | 24 29 | 11 36 | 0 21 |
| T 21 | 18 55 | 20 27 | 5 17 | 18 12 | 3 34 | 18 47 | 1 18 | 22 12 | 0 9 | 8 5 | 1 24 | 6 50 | 2 26 | 18 21 | 0 12 | 17 36 | 1 43 | 8 48 | 11 46 | 16 37 | 16 29 | 24 27 | 11 36 | 0 21 |
| W22 | 18 41 | 23 56 | 5 12 | 18 27 | 3 19 | 18 27 | 1 19 | 22 18 | 0 8 | 8 6 | 1 25 | 6 51 | 2 25 | 18 21 | 0 12 | 17 36 | 1 43 | 8 48 | 11 46 | 16 37 | 16 30 | 24 25 | 11 36 | 0 21 |
| T 23 | 18 26 | 26 17 | 4 54 | 18 42 | 3 4 | 18 7 | 1 20 | 22 24 | 0 8 | 8 7 | 1 25 | 6 53 | 2 25 | 18 21 | 0 12 | 17 36 | 1 43 | 8 48 | 11 46 | 16 37 | 16 31 | 24 23 | 11 36 | 0 21 |
| F 24 | 18 11 | 27 22 | 4 23 | 18 56 | 2 48 | 17 46 | 1 21 | 22 30 | 0 7 | 8 8 | 1 25 | 6 54 | 2 25 | 18 21 | 0 12 | 17 37 | 1 43 | 8 47 | 11 46 | 16 37 | 16 32 | 24 22 | 11 36 | 0 21 |
| S 25 | 17 56 | 27 12 | 3 40 | 19 10 | 2 31 | 17 24 | 1 22 | 22 35 | 0 6 | 8 9 | 1 25 | 6 56 | 2 25 | 18 21 | 0 12 | 17 37 | 1 43 | 8 47 | 11 47 | 16 37 | 16 33 | 24 20 | 11 36 | 0 21 |
| S 26 | 17 40 | 25 46 | 2 49 | 19 22 | 2 15 | 17 3 | 1 22 | 22 40 | 0 5 | 8 9 | 1 26 | 6 57 | 2 24 | 18 21 | 0 12 | 17 37 | 1 43 | 8 47 | 11 47 | 16 37 | 16 34 | 24 18 | 11 36 | 0 21 |
| M27 | 17 25 | 23 13 | 1 50 | 19 33 | 1 58 | 16 40 | 1 23 | 22 45 | 0 4 | 8 10 | 1 26 | 6 59 | 2 24 | 18 21 | 0 12 | 17 37 | 1 43 | 8 47 | 11 47 | 16 37 | 16 35 | 24 16 | 11 36 | 0 21 |
| T 28 | 17 9 | 19 40 | 0 47 | 19 43 | 1 41 | 16 18 | 1 24 | 22 50 | 0 3 | 8 10 | 1 26 | 7 0 | 2 24 | 18 21 | 0 12 | 17 37 | 1 43 | 8 47 | 11 47 | 16 38 | 16 36 | 24 15 | 11 36 | 0 21 |
| W29 | 16 52 | 15 18 | 0s19 | 19 51 | 1 25 | 15 54 | 1 24 | 22 54 | 0 2 | 8 11 | 1 27 | 7 2 | 2 24 | 18 22 | 0 12 | 17 37 | 1 43 | 8 47 | 11 47 | 16 38 | 16 37 | 24 13 | 11 36 | 0 22 |
| T 30 | 16 36 | 10 19 | 1 25 | 19 58 | 1 8 | 15 31 | 1 25 | 22 59 | 0 2 | 8 11 | 1 27 | 7 4 | 2 24 | 18 22 | 0 12 | 17 37 | 1 43 | 8 47 | 11 48 | 16 38 | 16 38 | 24 11 | 11 36 | 0 22 |
| F 31 | 16n19 | 4n54 | 2s27 | 20n 3 | 0s52 | 15n 7 | 1n25 | 23n 3 | 0s 1 | 8n11 | 1s27 | 7s 5 | 2n23 | 18s22 | 0n12 | 17n38 | 1s43 | 8n47 | 11s48 | 16s38 | 16s39 | 24n 9 | 11n35 | 0s22 |

Julian Day Number = 2230397.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'38, Lahiri = 15°24'38 Julian Calendar 1 July 1394 == Greg. Calendar 9 July 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## AUGUST 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 10 21 | 16♌14'06 | 24♍ 6 | 27♋44 | 24♌37 | 19♊38 | 24♈32 | 23♎58 | 22♏54 | 25♉54 | 0♊32 | 14°R12 | 14♒ 4 | 19♋55 | 1°R12 | S 1 |
| S 2 | 21 14 17 | 17°11'50 | 6♎38 | 28°55 | 25°51 | 20°17 | 24°33 | 24° 2 | 22°54 | 25°55 | 0°33 | 14♒11 | 14° 1 | 20° 1 | 1♉12 | S 2 |
| M 3 | 21 18 14 | 18° 9'36 | 19°25 | 0♌12 | 27° 5 | 20°56 | 24°34 | 24° 7 | 22°55 | 25°56 | 0°33 | 14°11 | 13°58 | 20° 8 | 1°11 | M 3 |
| T 4 | 21 22 10 | 19° 7'23 | 2♏29 | 1°35 | 28°19 | 21°35 | 24°34 | 24°11 | 22°55 | 25°56 | 0°34 | 14°11 | 13°55 | 20°15 | 1°11 | T 4 |
| W 5 | 21 26 7 | 20° 5'12 | 15°52 | 3° 3 | 29°34 | 22°13 | 24°35 | 24°15 | 22°56 | 25°57 | 0°34 | 14°D10 | 13°52 | 20°21 | 1°11 | W 5 |
| T 6 | 21 30 3 | 21° 3'01 | 29°36 | 4°36 | 0♍48 | 22°52 | 24°R35 | 24°20 | 22°57 | 25°57 | 0°34 | 14°10 | 13°49 | 20°28 | 1°10 | T 6 |
| F 7 | 21 34 0 | 22° 0'52 | 13♐41 | 6°13 | 2° 2 | 23°30 | 24°35 | 24°24 | 22°57 | 25°58 | 0°35 | 14°11 | 13°45 | 20°35 | 1°10 | F 7 |
| S 8 | 21 37 57 | 22°58'44 | 28° 5 | 7°54 | 3°16 | 24° 8 | 24°34 | 24°29 | 22°58 | 25°58 | 0°35 | 14°11 | 13°42 | 20°41 | 1° 9 | S 8 |
| S 9 | 21 41 53 | 23°56'37 | 12♑47 | 9°39 | 4°31 | 24°47 | 24°34 | 24°33 | 22°59 | 25°59 | 0°35 | 14°12 | 13°39 | 20°48 | 1° 8 | S 9 |
| M10 | 21 45 50 | 24°54'32 | 27°40 | 11°27 | 5°45 | 25°25 | 24°33 | 24°38 | 23° 0 | 25°59 | 0°36 | 14°13 | 13°36 | 20°55 | 1° 8 | M10 |
| T 11 | 21 49 46 | 25°52'28 | 12♒38 | 13°17 | 6°59 | 26° 3 | 24°32 | 24°43 | 23° 0 | 26° 0 | 0°36 | 14°R13 | 13°33 | 21° 1 | 1° 7 | T 11 |
| W12 | 21 53 43 | 26°50'26 | 27°34 | 15° 9 | 8°13 | 26°41 | 24°31 | 24°47 | 23° 1 | 26° 0 | 0°36 | 14°13 | 13°30 | 21° 8 | 1° 6 | W12 |
| T 13 | 21 57 39 | 27°48'25 | 12♓18 | 17° 3 | 9°28 | 27°18 | 24°30 | 24°52 | 23° 2 | 26° 0 | 0°36 | 14°12 | 13°26 | 21°15 | 1° 5 | T 13 |
| F 14 | 22 1 36 | 28°46'25 | 26°44 | 18°58 | 10°42 | 27°56 | 24°28 | 24°57 | 23° 3 | 26° 0 | 0°36 | 14°10 | 13°23 | 21°21 | 1° 4 | F 14 |
| S 15 | 22 5 32 | 29°44'28 | 10♈47 | 20°54 | 11°56 | 28°34 | 24°27 | 25° 2 | 23° 5 | 26° 1 | 0°37 | 14° 8 | 13°20 | 21°28 | 1° 3 | S 15 |
| S 16 | 22 9 29 | 0♍42'33 | 24°25 | 22°51 | 13°10 | 29°11 | 24°25 | 25° 7 | 23° 6 | 26° 1 | 0°37 | 14° 6 | 13°17 | 21°35 | 1° 2 | S 16 |
| M17 | 22 13 26 | 1°40'39 | 7♉37 | 24°48 | 14°25 | 29°48 | 24°23 | 25°12 | 23° 7 | 26° 1 | 0°37 | 14° 5 | 13°14 | 21°41 | 1° 1 | M17 |
| T 18 | 22 17 22 | 2°38'48 | 20°24 | 26°45 | 15°39 | 0♋26 | 24°20 | 25°18 | 23° 8 | 26° 1 | 0°37 | 14° 3 | 13°10 | 21°48 | 1° 0 | T 18 |
| W19 | 22 21 19 | 3°36'58 | 2♊51 | 28°42 | 16°53 | 1° 3 | 24°18 | 25°23 | 23° 9 | 26° 1 | 0°37 | 14°D 3 | 13° 7 | 21°55 | 0°59 | W19 |
| T 20 | 22 25 15 | 4°35'11 | 15° 1 | 0♍38 | 18° 7 | 1°40 | 24°15 | 25°28 | 23°11 | 26° 1 | 0°37 | 14° 3 | 13° 4 | 22° 1 | 0°57 | T 20 |
| F 21 | 22 29 12 | 5°33'26 | 26°58 | 2°34 | 19°22 | 2°17 | 24°12 | 25°34 | 23°12 | 26° 1 | 0°37 | 14° 4 | 13° 1 | 22° 8 | 0°56 | F 21 |
| S 22 | 22 33 8 | 6°31'43 | 8♋49 | 4°29 | 20°36 | 2°54 | 24° 9 | 25°39 | 23°14 | 26°R 1 | 0°37 | 14° 6 | 12°58 | 22°15 | 0°55 | S 22 |
| S 23 | 22 37 5 | 7°30'02 | 20°37 | 6°24 | 21°50 | 3°30 | 24° 6 | 25°45 | 23°15 | 26° 1 | 0°R37 | 14° 8 | 12°55 | 22°21 | 0°53 | S 23 |
| M24 | 22 41 1 | 8°28'22 | 2♌26 | 8°18 | 23° 4 | 4° 7 | 24° 3 | 25°50 | 23°17 | 26° 1 | 0°37 | 14° 9 | 12°51 | 22°28 | 0°52 | M24 |
| T 25 | 22 44 58 | 9°26'45 | 14°20 | 10°10 | 24°19 | 4°44 | 23°59 | 25°56 | 23°18 | 26° 1 | 0°37 | 14°R 9 | 12°48 | 22°34 | 0°50 | T 25 |
| W26 | 22 48 55 | 10°25'10 | 26°22 | 12° 2 | 25°33 | 5°20 | 23°55 | 26° 1 | 23°20 | 26° 1 | 0°37 | 14° 9 | 12°45 | 22°41 | 0°49 | W26 |
| T 27 | 22 52 51 | 11°23'37 | 8♍35 | 13°53 | 26°47 | 5°56 | 23°51 | 26° 7 | 23°22 | 26° 1 | 0°37 | 14° 7 | 12°42 | 22°48 | 0°47 | T 27 |
| F 28 | 22 56 48 | 12°22'05 | 20°59 | 15°43 | 28° 2 | 6°32 | 23°47 | 26°13 | 23°23 | 26° 1 | 0°37 | 14° 3 | 12°39 | 22°54 | 0°45 | F 28 |
| S 29 | 23 0 44 | 13°20'36 | 3♎36 | 17°32 | 29°16 | 7° 8 | 23°42 | 26°19 | 23°25 | 26° 0 | 0°37 | 13°59 | 12°36 | 23° 1 | 0°44 | S 29 |
| S 30 | 23 4 41 | 14°19'08 | 16°26 | 19°19 | 0♎30 | 7°44 | 23°38 | 26°25 | 23°27 | 26° 0 | 0°37 | 13°54 | 12°32 | 23° 8 | 0°42 | S 30 |
| M31 | 23 8 37 | 15♍17'42 | 29♎30 | 21♍ 6 | 1♎45 | 8♋20 | 23♈33 | 26♎31 | 23♏29 | 26♉ 0 | 0♊37 | 13♒49 | 12♒29 | 23♋14 | 0♉40 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 1 | 0s46 | 3s24 | 20n 5 | 0s37 | 14n42 | 1n25 | 23n 7 | 0n 0 | 8n11 | 1s27 | 7s 7 | 2n23 | 18s22 | 0n12 | 17n38 | 1s43 | 8n47 | 11s48 | 16s38 | 16s40 | 24n 7 | 11n35 | 0s22 |
| S 2 | 15 44 | 6 30 | 4 12 | 20 5 | 0 22 | 14 17 | 1 26 | 23 11 | 0 1 | 8 11 | 1 28 | 7 9 | 2 23 | 18 22 | 0 12 | 17 38 | 1 43 | 8 47 | 11 48 | 16 38 | 16 41 | 24 6 | 11 35 | 0 22 |
| M 3 | 15 26 | 12 4 | 4 48 | 20 3 | 0 7 | 13 52 | 1 26 | 23 14 | 0 2 | 8 11 | 1 28 | 7 10 | 2 23 | 18 22 | 0 12 | 17 38 | 1 43 | 8 47 | 11 48 | 16 38 | 16 41 | 24 4 | 11 35 | 0 22 |
| T 4 | 15 8 | 17 14 | 5 11 | 19 59 | 0n 6 | 13 26 | 1 26 | 23 18 | 0 3 | 8 11 | 1 28 | 7 12 | 2 22 | 18 22 | 0 12 | 17 38 | 1 43 | 8 46 | 11 49 | 16 38 | 16 42 | 24 2 | 11 35 | 0 22 |
| W 5 | 14 50 | 21 42 | 5 17 | 19 51 | 0 19 | 13 0 | 1 26 | 23 21 | 0 4 | 8 11 | 1 28 | 7 14 | 2 22 | 18 22 | 0 12 | 17 38 | 1 43 | 8 46 | 11 49 | 16 38 | 16 43 | 24 0 | 11 34 | 0 22 |
| T 6 | 14 32 | 25 7 | 5 6 | 19 41 | 0 32 | 12 34 | 1 26 | 23 24 | 0 5 | 8 11 | 1 29 | 7 16 | 2 22 | 18 23 | 0 12 | 17 38 | 1 43 | 8 46 | 11 49 | 16 38 | 16 44 | 23 58 | 11 34 | 0 22 |
| F 7 | 14 13 | 27 5 | 4 36 | 19 28 | 0 43 | 12 7 | 1 26 | 23 27 | 0 6 | 8 11 | 1 29 | 7 18 | 2 22 | 18 23 | 0 12 | 17 38 | 1 43 | 8 46 | 11 49 | 16 38 | 16 45 | 23 57 | 11 34 | 0 23 |
| S 8 | 13 54 | 27 19 | 3 49 | 19 13 | 0 53 | 11 40 | 1 26 | 23 30 | 0 7 | 8 10 | 1 29 | 7 19 | 2 22 | 18 23 | 0 12 | 17 38 | 1 43 | 8 46 | 11 49 | 16 38 | 16 46 | 23 55 | 11 34 | 0 23 |
| S 9 | 13 35 | 25 39 | 2 46 | 18 54 | 1 3 | 11 13 | 1 26 | 23 32 | 0 7 | 8 10 | 1 29 | 7 21 | 2 21 | 18 23 | 0 12 | 17 38 | 1 44 | 8 46 | 11 50 | 16 37 | 16 47 | 23 53 | 11 33 | 0 23 |
| M10 | 13 16 | 22 11 | 1 31 | 18 33 | 1 11 | 10 46 | 1 26 | 23 35 | 0 8 | 8 9 | 1 30 | 7 23 | 2 21 | 18 23 | 0 12 | 17 38 | 1 44 | 8 46 | 11 50 | 16 37 | 16 48 | 23 51 | 11 33 | 0 23 |
| T 11 | 12 56 | 17 13 | 0 9 | 18 9 | 1 19 | 10 18 | 1 25 | 23 37 | 0 9 | 8 9 | 1 30 | 7 25 | 2 21 | 18 24 | 0 12 | 17 38 | 1 44 | 8 45 | 11 50 | 16 37 | 16 49 | 23 49 | 11 33 | 0 23 |
| W12 | 12 36 | 11 13 | 1n13 | 17 43 | 1 26 | 9 49 | 1 25 | 23 39 | 0 10 | 8 8 | 1 30 | 7 27 | 2 21 | 18 24 | 0 12 | 17 38 | 1 44 | 8 45 | 11 50 | 16 37 | 16 50 | 23 47 | 11 32 | 0 23 |
| T 13 | 12 17 | 4 40 | 2 29 | 17 14 | 1 31 | 9 21 | 1 24 | 23 41 | 0 11 | 8 8 | 1 30 | 7 29 | 2 20 | 18 24 | 0 12 | 17 38 | 1 44 | 8 45 | 11 50 | 16 37 | 16 51 | 23 46 | 11 32 | 0 23 |
| F 14 | 11 56 | 1n58 | 3 34 | 16 43 | 1 36 | 8 52 | 1 24 | 23 42 | 0 12 | 8 7 | 1 30 | 7 31 | 2 20 | 18 25 | 0 12 | 17 38 | 1 44 | 8 45 | 11 51 | 16 38 | 16 52 | 23 44 | 11 31 | 0 23 |
| S 15 | 11 36 | 8 20 | 4 24 | 16 9 | 1 40 | 8 23 | 1 23 | 23 44 | 0 13 | 8 6 | 1 31 | 7 33 | 2 20 | 18 25 | 0 12 | 17 38 | 1 44 | 8 45 | 11 51 | 16 38 | 16 52 | 23 42 | 11 31 | 0 23 |
| S 16 | 11 16 | 14 6 | 4 58 | 15 34 | 1 43 | 7 54 | 1 23 | 23 45 | 0 14 | 8 5 | 1 31 | 7 35 | 2 20 | 18 25 | 0 12 | 17 38 | 1 44 | 8 45 | 11 51 | 16 39 | 16 53 | 23 40 | 11 30 | 0 23 |
| M17 | 10 55 | 19 2 | 5 14 | 14 57 | 1 45 | 7 25 | 1 22 | 23 46 | 0 15 | 8 4 | 1 31 | 7 37 | 2 20 | 18 25 | 0 12 | 17 38 | 1 44 | 8 44 | 11 51 | 16 40 | 16 54 | 23 38 | 11 30 | 0 24 |
| T 18 | 10 34 | 22 57 | 5 14 | 14 19 | 1 47 | 6 55 | 1 21 | 23 47 | 0 16 | 8 3 | 1 31 | 7 39 | 2 20 | 18 26 | 0 12 | 17 38 | 1 44 | 8 44 | 11 52 | 16 40 | 16 55 | 23 36 | 11 29 | 0 24 |
| W19 | 10 13 | 25 41 | 4 59 | 13 39 | 1 47 | 6 26 | 1 20 | 23 48 | 0 17 | 8 2 | 1 32 | 7 41 | 2 19 | 18 26 | 0 12 | 17 38 | 1 44 | 8 44 | 11 52 | 16 40 | 16 56 | 23 34 | 11 29 | 0 24 |
| T 20 | 9 52 | 27 10 | 4 31 | 12 57 | 1 47 | 5 56 | 1 19 | 23 49 | 0 18 | 8 1 | 1 32 | 7 43 | 2 19 | 18 26 | 0 12 | 17 38 | 1 44 | 8 44 | 11 52 | 16 40 | 16 57 | 23 32 | 11 28 | 0 24 |
| F 21 | 9 30 | 27 21 | 3 52 | 12 15 | 1 47 | 5 26 | 1 18 | 23 49 | 0 19 | 7 59 | 1 32 | 7 45 | 2 19 | 18 27 | 0 12 | 17 38 | 1 44 | 8 44 | 11 52 | 16 40 | 16 58 | 23 31 | 11 28 | 0 24 |
| S 22 | 9 9 | 26 16 | 3 3 | 11 32 | 1 45 | 4 55 | 1 17 | 23 49 | 0 20 | 7 58 | 1 32 | 7 48 | 2 19 | 18 27 | 0 12 | 17 38 | 1 44 | 8 43 | 11 52 | 16 39 | 16 59 | 23 29 | 11 27 | 0 24 |
| S 23 | 8 47 | 24 1 | 2 6 | 10 48 | 1 43 | 4 25 | 1 16 | 23 49 | 0 21 | 7 57 | 1 33 | 7 50 | 2 19 | 18 28 | 0 12 | 17 38 | 1 44 | 8 43 | 11 53 | 16 39 | 17 0 | 23 27 | 11 27 | 0 24 |
| M24 | 8 25 | 20 43 | 1 4 | 10 3 | 1 41 | 3 54 | 1 15 | 23 49 | 0 22 | 7 55 | 1 33 | 7 52 | 2 18 | 18 28 | 0 12 | 17 38 | 1 44 | 8 43 | 11 53 | 16 38 | 17 1 | 23 25 | 11 26 | 0 24 |
| T 25 | 8 3 | 16 34 | 0s 1 | 9 17 | 1 38 | 3 24 | 1 14 | 23 49 | 0 23 | 7 54 | 1 33 | 7 54 | 2 18 | 18 28 | 0 12 | 17 38 | 1 44 | 8 43 | 11 53 | 16 38 | 17 1 | 23 23 | 11 25 | 0 24 |
| W26 | 7 41 | 11 43 | 1 7 | 8 31 | 1 35 | 2 53 | 1 13 | 23 49 | 0 24 | 7 52 | 1 33 | 7 56 | 2 18 | 18 29 | 0 12 | 17 38 | 1 44 | 8 42 | 11 53 | 16 38 | 17 2 | 23 21 | 11 25 | 0 25 |
| T 27 | 7 19 | 6 22 | 2 10 | 7 45 | 1 31 | 2 22 | 1 11 | 23 48 | 0 25 | 7 50 | 1 33 | 7 59 | 2 18 | 18 29 | 0 12 | 17 38 | 1 45 | 8 42 | 11 53 | 16 39 | 17 3 | 23 19 | 11 24 | 0 25 |
| F 28 | 6 57 | 0 42 | 3 8 | 6 59 | 1 27 | 1 51 | 1 10 | 23 48 | 0 26 | 7 49 | 1 34 | 8 1 | 2 18 | 18 30 | 0 12 | 17 38 | 1 45 | 8 42 | 11 54 | 16 40 | 17 4 | 23 17 | 11 23 | 0 25 |
| S 29 | 6 34 | 5s 5 | 3 58 | 6 12 | 1 22 | 1 20 | 1 8 | 23 47 | 0 27 | 7 47 | 1 34 | 8 3 | 2 18 | 18 30 | 0 12 | 17 38 | 1 45 | 8 42 | 11 54 | 16 41 | 17 5 | 23 15 | 11 23 | 0 25 |
| S 30 | 6 12 | 10 45 | 4 37 | 5 25 | 1 17 | 0 49 | 1 7 | 23 46 | 0 28 | 7 45 | 1 34 | 8 5 | 2 17 | 18 31 | 0 12 | 17 37 | 1 45 | 8 42 | 11 54 | 16 43 | 17 6 | 23 13 | 11 22 | 0 25 |
| M31 | 5n49 | 16s 3 | 5s 3 | 4n38 | 1n12 | 0n18 | 1n 5 | 23n45 | 0n29 | 7n43 | 1s34 | 8s 8 | 2n17 | 18s31 | 0n12 | 17n37 | 1s45 | 8n41 | 11s54 | 16s44 | 17s 7 | 23n11 | 11n21 | 0s25 |

Julian Day Number = 2230428.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'42, Lahiri = 15°24'42 Julian Calendar 1 Aug. 1394 == Greg. Calendar 9 Aug. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## SEPTEMBER 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 12 34 | 16♍16'18 | 12♏47 | 22♍51 | 2♎59 | 8♋56 | 23°R28 | 26♎37 | 23♏31 | 26°R 0 | 0°R36 | 13°R45 | 12♒26 | 23♋21 | 0°R38 | T 1 |
| W 2 | 23 16 30 | 17°14'56 | 26°18 | 24°36 | 4°13 | 9°31 | 23♈23 | 26°43 | 23°33 | 25♉59 | 0♊36 | 13♒42 | 12°23 | 23°28 | 0♉36 | W 2 |
| T 3 | 23 20 27 | 18°13'35 | 10♐ 2 | 26°20 | 5°27 | 10° 6 | 23°18 | 26°49 | 23°35 | 25°59 | 0°36 | 13°40 | 12°20 | 23°34 | 0°34 | T 3 |
| F 4 | 23 24 24 | 19°12'16 | 23°59 | 28° 2 | 6°42 | 10°42 | 23°13 | 26°55 | 23°37 | 25°58 | 0°36 | 13°D40 | 12°16 | 23°41 | 0°32 | F 4 |
| S 5 | 23 28 20 | 20°10'59 | 8♑ 9 | 29°43 | 7°56 | 11°17 | 23° 7 | 27° 1 | 23°39 | 25°58 | 0°35 | 13°41 | 12°13 | 23°48 | 0°30 | S 5 |
| S 6 | 23 32 17 | 21° 9'44 | 22°30 | 1♎24 | 9°10 | 11°52 | 23° 1 | 27° 7 | 23°41 | 25°57 | 0°35 | 13°42 | 12°10 | 23°54 | 0°28 | S 6 |
| M 7 | 23 36 13 | 22° 8'30 | 7♒ 0 | 3° 4 | 10°25 | 12°27 | 22°56 | 27°14 | 23°43 | 25°57 | 0°35 | 13°R43 | 12° 7 | 24° 1 | 0°26 | M 7 |
| T 8 | 23 40 10 | 23° 7'18 | 21°34 | 4°42 | 11°39 | 13° 1 | 22°50 | 27°20 | 23°45 | 25°56 | 0°35 | 13°43 | 12° 4 | 24° 8 | 0°24 | T 8 |
| W 9 | 23 44 6 | 24° 6'08 | 6♓ 8 | 6°20 | 12°53 | 13°36 | 22°43 | 27°26 | 23°47 | 25°56 | 0°34 | 13°41 | 12° 1 | 24°14 | 0°21 | W 9 |
| T 10 | 23 48 3 | 25° 4'59 | 20°36 | 7°56 | 14° 7 | 14°10 | 22°37 | 27°33 | 23°50 | 25°55 | 0°34 | 13°37 | 11°57 | 24°21 | 0°19 | T 10 |
| F 11 | 23 51 59 | 26° 3'53 | 4♈51 | 9°32 | 15°22 | 14°44 | 22°31 | 27°39 | 23°52 | 25°54 | 0°33 | 13°32 | 11°54 | 24°28 | 0°17 | F 11 |
| S 12 | 23 55 56 | 27° 2'49 | 18°49 | 11° 7 | 16°36 | 15°19 | 22°24 | 27°46 | 23°55 | 25°54 | 0°33 | 13°25 | 11°51 | 24°34 | 0°14 | S 12 |
| S 13 | 23 59 53 | 28° 1'47 | 2♉25 | 12°41 | 17°50 | 15°53 | 22°17 | 27°52 | 23°57 | 25°53 | 0°33 | 13°17 | 11°48 | 24°41 | 0°12 | S 13 |
| M14 | 0 3 49 | 29° 0'47 | 15°38 | 14°14 | 19° 4 | 16°26 | 22°11 | 27°59 | 23°59 | 25°52 | 0°32 | 13°10 | 11°45 | 24°48 | 0°10 | M14 |
| T 15 | 0 7 46 | 29°59'49 | 28°27 | 15°47 | 20°19 | 17° 0 | 22° 4 | 28° 5 | 24° 2 | 25°52 | 0°32 | 13° 5 | 11°41 | 24°54 | 0° 7 | T 15 |
| W16 | 0 11 42 | 0♎58'54 | 10♊56 | 17°18 | 21°33 | 17°34 | 21°57 | 28°12 | 24° 4 | 25°51 | 0°31 | 13° 0 | 11°38 | 25° 1 | 0° 5 | W16 |
| T 17 | 0 15 39 | 1°58'02 | 23° 7 | 18°49 | 22°47 | 18° 7 | 21°50 | 28°19 | 24° 7 | 25°50 | 0°31 | 12°58 | 11°35 | 25° 7 | 0° 2 | T 17 |
| F 18 | 0 19 35 | 2°57'11 | 5♋ 5 | 20°19 | 24° 1 | 18°40 | 21°42 | 28°25 | 24°10 | 25°49 | 0°30 | 12°D58 | 11°32 | 25°14 | 29♈59 | F 18 |
| S 19 | 0 23 32 | 3°56'23 | 16°55 | 21°48 | 25°15 | 19°13 | 21°35 | 28°32 | 24°12 | 25°48 | 0°30 | 12°58 | 11°29 | 25°21 | 29°57 | S 19 |
| S 20 | 0 27 28 | 4°55'37 | 28°43 | 23°16 | 26°30 | 19°46 | 21°27 | 28°39 | 24°15 | 25°47 | 0°29 | 13° 0 | 11°26 | 25°27 | 29°54 | S 20 |
| M21 | 0 31 25 | 5°54'54 | 10♌34 | 24°43 | 27°44 | 20°19 | 21°20 | 28°46 | 24°18 | 25°46 | 0°28 | 13°R 0 | 11°22 | 25°34 | 29°52 | M21 |
| T 22 | 0 35 22 | 6°54'13 | 22°32 | 26°10 | 28°58 | 20°51 | 21°12 | 28°52 | 24°20 | 25°45 | 0°28 | 13° 0 | 11°19 | 25°41 | 29°49 | T 22 |
| W23 | 0 39 18 | 7°53'34 | 4♍42 | 27°35 | 0♏12 | 21°24 | 21° 5 | 28°59 | 24°23 | 25°44 | 0°27 | 12°57 | 11°16 | 25°47 | 29°46 | W23 |
| T 24 | 0 43 15 | 8°52'57 | 17° 6 | 29° 0 | 1°26 | 21°56 | 20°57 | 29° 6 | 24°26 | 25°43 | 0°27 | 12°53 | 11°13 | 25°54 | 29°43 | T 24 |
| F 25 | 0 47 11 | 9°52'22 | 29°47 | 0♏23 | 2°41 | 22°28 | 20°49 | 29°13 | 24°29 | 25°42 | 0°26 | 12°45 | 11°10 | 26° 1 | 29°41 | F 25 |
| S 26 | 0 51 8 | 10°51'50 | 12♎44 | 1°46 | 3°55 | 23° 0 | 20°41 | 29°20 | 24°32 | 25°41 | 0°25 | 12°36 | 11° 7 | 26° 7 | 29°38 | S 26 |
| S 27 | 0 55 4 | 11°51'19 | 25°58 | 3° 8 | 5° 9 | 23°31 | 20°33 | 29°27 | 24°35 | 25°40 | 0°25 | 12°26 | 11° 3 | 26°14 | 29°35 | S 27 |
| M28 | 0 59 1 | 12°50'51 | 9♏26 | 4°29 | 6°23 | 24° 3 | 20°25 | 29°34 | 24°38 | 25°39 | 0°24 | 12°15 | 11° 0 | 26°21 | 29°32 | M28 |
| T 29 | 1 2 57 | 13°50'24 | 23° 6 | 5°48 | 7°37 | 24°34 | 20°17 | 29°41 | 24°41 | 25°38 | 0°23 | 12° 6 | 10°57 | 26°27 | 29°29 | T 29 |
| W30 | 1 6 54 | 14♎50'00 | 6♐55 | 7♏ 7 | 8♏52 | 25♋ 5 | 20♈ 9 | 29♎48 | 24♏44 | 25♉37 | 0♊22 | 11♒58 | 10♒54 | 26♋34 | 29♈27 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5n26 | 20s41 | 5s12 | 3n52 | 1n 6 | 0s13 | 1n 4 | 23n43 | 0n30 | 7n41 | 1s34 | 8s10 | 2n17 | 18s32 | 0n11 | 17n37 | 1s45 | 8n41 | 11s55 | 16s45 | 17s 8 | 23n 9 | 11n20 | 0s25 |
| W 2 | 5 3 | 24 19 | 5 5 | 3 5 | 1 1 | 0 44 | 1 2 | 23 42 | 0 31 | 7 39 | 1 34 | 8 12 | 2 17 | 18 32 | 0 11 | 17 37 | 1 45 | 8 41 | 11 55 | 16 46 | 17 9 | 23 7 | 11 20 | 0 25 |
| T 3 | 4 40 | 26 38 | 4 40 | 2 18 | 0 55 | 1 15 | 1 0 | 23 40 | 0 33 | 7 37 | 1 35 | 8 15 | 2 17 | 18 33 | 0 11 | 17 37 | 1 45 | 8 41 | 11 55 | 16 47 | 17 10 | 23 5 | 11 19 | 0 25 |
| F 4 | 4 17 | 27 21 | 3 58 | 1 32 | 0 49 | 1 46 | 0 58 | 23 39 | 0 34 | 7 35 | 1 35 | 8 17 | 2 17 | 18 33 | 0 11 | 17 37 | 1 45 | 8 40 | 11 55 | 16 47 | 17 10 | 23 3 | 11 18 | 0 26 |
| S 5 | 3 54 | 26 17 | 3 2 | 0 45 | 0 42 | 2 17 | 0 57 | 23 37 | 0 35 | 7 33 | 1 35 | 8 19 | 2 17 | 18 34 | 0 11 | 17 37 | 1 45 | 8 40 | 11 55 | 16 47 | 17 11 | 23 1 | 11 17 | 0 26 |
| S 6 | 3 31 | 23 30 | 1 53 | 0s 1 | 0 36 | 2 49 | 0 55 | 23 35 | 0 36 | 7 30 | 1 35 | 8 22 | 2 16 | 18 34 | 0 11 | 17 36 | 1 45 | 8 40 | 11 56 | 16 46 | 17 12 | 22 59 | 11 16 | 0 26 |
| M 7 | 3 8 | 19 11 | 0 37 | 0 46 | 0 29 | 3 20 | 0 53 | 23 33 | 0 37 | 7 28 | 1 35 | 8 24 | 2 16 | 18 35 | 0 11 | 17 36 | 1 45 | 8 40 | 11 56 | 16 46 | 17 13 | 22 57 | 11 15 | 0 26 |
| T 8 | 2 44 | 13 41 | 0n43 | 1 32 | 0 22 | 3 51 | 0 51 | 23 31 | 0 38 | 7 26 | 1 35 | 8 26 | 2 16 | 18 35 | 0 11 | 17 36 | 1 45 | 8 39 | 11 56 | 16 46 | 17 14 | 22 55 | 11 15 | 0 26 |
| W 9 | 2 21 | 7 27 | 1 59 | 2 17 | 0 16 | 4 21 | 0 49 | 23 28 | 0 39 | 7 23 | 1 36 | 8 29 | 2 16 | 18 36 | 0 11 | 17 36 | 1 45 | 8 39 | 11 56 | 16 46 | 17 15 | 22 53 | 11 14 | 0 26 |
| T 10 | 1 58 | 0 53 | 3 7 | 3 2 | 0 9 | 4 52 | 0 47 | 23 26 | 0 40 | 7 21 | 1 36 | 8 31 | 2 16 | 18 37 | 0 11 | 17 36 | 1 45 | 8 39 | 11 56 | 16 47 | 17 16 | 22 51 | 11 13 | 0 26 |
| F 11 | 1 34 | 5n38 | 4 2 | 3 46 | 0 2 | 5 23 | 0 44 | 23 23 | 0 42 | 7 18 | 1 36 | 8 34 | 2 16 | 18 37 | 0 11 | 17 36 | 1 45 | 8 39 | 11 57 | 16 49 | 17 17 | 22 49 | 11 12 | 0 26 |
| S 12 | 1 11 | 11 43 | 4 41 | 4 30 | 0s 6 | 5 54 | 0 42 | 23 21 | 0 43 | 7 16 | 1 36 | 8 36 | 2 16 | 18 38 | 0 11 | 17 35 | 1 45 | 8 38 | 11 57 | 16 51 | 17 18 | 22 47 | 11 11 | 0 26 |
| S 13 | 0 47 | 17 5 | 5 3 | 5 13 | 0 13 | 6 24 | 0 40 | 23 18 | 0 44 | 7 13 | 1 36 | 8 39 | 2 16 | 18 38 | 0 11 | 17 35 | 1 45 | 8 38 | 11 57 | 16 53 | 17 18 | 22 45 | 11 10 | 0 26 |
| M14 | 0 24 | 21 29 | 5 8 | 5 56 | 0 20 | 6 55 | 0 38 | 23 15 | 0 45 | 7 11 | 1 36 | 8 41 | 2 15 | 18 39 | 0 11 | 17 35 | 1 45 | 8 38 | 11 57 | 16 55 | 17 19 | 22 43 | 11 9 | 0 27 |
| T 15 | 0 0 | 24 43 | 4 58 | 6 39 | 0 27 | 7 25 | 0 36 | 23 12 | 0 46 | 7 8 | 1 36 | 8 43 | 2 15 | 18 40 | 0 11 | 17 35 | 1 46 | 8 37 | 11 57 | 16 57 | 17 20 | 22 41 | 11 8 | 0 27 |
| W16 | 0s23 | 26 40 | 4 33 | 7 21 | 0 34 | 7 55 | 0 33 | 23 9 | 0 47 | 7 5 | 1 36 | 8 46 | 2 15 | 18 40 | 0 11 | 17 34 | 1 46 | 8 37 | 11 58 | 16 58 | 17 21 | 22 39 | 11 7 | 0 27 |
| T 17 | 0 47 | 27 16 | 3 56 | 8 2 | 0 42 | 8 25 | 0 31 | 23 5 | 0 49 | 7 3 | 1 36 | 8 48 | 2 15 | 18 41 | 0 11 | 17 34 | 1 46 | 8 37 | 11 58 | 16 59 | 17 22 | 22 37 | 11 6 | 0 27 |
| F 18 | 1 11 | 26 35 | 3 10 | 8 43 | 0 49 | 8 55 | 0 28 | 23 2 | 0 50 | 7 0 | 1 37 | 8 51 | 2 15 | 18 42 | 0 11 | 17 34 | 1 46 | 8 37 | 11 58 | 16 59 | 17 23 | 22 35 | 11 5 | 0 27 |
| S 19 | 1 34 | 24 42 | 2 16 | 9 23 | 0 56 | 9 24 | 0 26 | 22 59 | 0 51 | 6 57 | 1 37 | 8 53 | 2 15 | 18 42 | 0 11 | 17 34 | 1 46 | 8 36 | 11 58 | 16 59 | 17 24 | 22 33 | 11 4 | 0 27 |
| S 20 | 1 58 | 21 44 | 1 16 | 10 3 | 1 3 | 9 53 | 0 24 | 22 55 | 0 52 | 6 54 | 1 37 | 8 56 | 2 15 | 18 43 | 0 11 | 17 33 | 1 46 | 8 36 | 11 58 | 16 58 | 17 25 | 22 31 | 11 3 | 0 27 |
| M21 | 2 21 | 17 51 | 0 13 | 10 42 | 1 10 | 10 22 | 0 21 | 22 51 | 0 53 | 6 51 | 1 37 | 8 58 | 2 15 | 18 44 | 0 11 | 17 33 | 1 46 | 8 36 | 11 58 | 16 58 | 17 26 | 22 29 | 11 2 | 0 27 |
| T 22 | 2 45 | 13 15 | 0s51 | 11 20 | 1 17 | 10 51 | 0 18 | 22 48 | 0 55 | 6 48 | 1 37 | 9 1 | 2 15 | 18 44 | 0 11 | 17 33 | 1 46 | 8 35 | 11 59 | 16 58 | 17 26 | 22 27 | 11 1 | 0 27 |
| W23 | 3 8 | 8 3 | 1 54 | 11 57 | 1 24 | 11 20 | 0 16 | 22 44 | 0 56 | 6 45 | 1 37 | 9 3 | 2 14 | 18 45 | 0 11 | 17 33 | 1 46 | 8 35 | 11 59 | 16 59 | 17 27 | 22 25 | 11 0 | 0 28 |
| T 24 | 3 32 | 2 28 | 2 52 | 12 34 | 1 31 | 11 48 | 0 13 | 22 40 | 0 57 | 6 42 | 1 37 | 9 6 | 2 14 | 18 46 | 0 11 | 17 32 | 1 46 | 8 35 | 11 59 | 17 0 | 17 28 | 22 23 | 10 59 | 0 28 |
| F 25 | 3 55 | 3s20 | 3 43 | 13 10 | 1 38 | 12 17 | 0 11 | 22 36 | 0 58 | 6 39 | 1 37 | 9 8 | 2 14 | 18 47 | 0 11 | 17 32 | 1 46 | 8 35 | 11 59 | 17 2 | 17 29 | 22 20 | 10 58 | 0 28 |
| S 26 | 4 19 | 9 6 | 4 24 | 13 46 | 1 44 | 12 44 | 0 8 | 22 32 | 1 0 | 6 36 | 1 37 | 9 11 | 2 14 | 18 47 | 0 11 | 17 32 | 1 46 | 8 34 | 11 59 | 17 5 | 17 30 | 22 18 | 10 57 | 0 28 |
| S 27 | 4 42 | 14 35 | 4 52 | 14 20 | 1 51 | 13 12 | 0 5 | 22 28 | 1 1 | 6 33 | 1 37 | 9 13 | 2 14 | 18 48 | 0 11 | 17 31 | 1 46 | 8 34 | 11 59 | 17 8 | 17 31 | 22 16 | 10 56 | 0 28 |
| M28 | 5 5 | 19 28 | 5 4 | 14 54 | 1 57 | 13 39 | 0 3 | 22 24 | 1 2 | 6 30 | 1 37 | 9 16 | 2 14 | 18 49 | 0 11 | 17 31 | 1 46 | 8 34 | 12 0 | 17 11 | 17 32 | 22 14 | 10 55 | 0 28 |
| T 29 | 5 29 | 23 25 | 4 58 | 15 26 | 2 3 | 14 6 | 0 0 | 22 19 | 1 4 | 6 27 | 1 37 | 9 18 | 2 14 | 18 49 | 0 11 | 17 31 | 1 46 | 8 33 | 12 0 | 17 13 | 17 33 | 22 12 | 10 53 | 0 28 |
| W30 | 5s52 | 26s 4 | 4s36 | 15s58 | 2s 9 | 14s33 | 0s 3 | 22n15 | 1n 5 | 6n24 | 1s37 | 9s21 | 2n14 | 18s50 | 0n11 | 17n31 | 1s46 | 8n33 | 12s 0 | 17s16 | 17s33 | 22n10 | 10n52 | 0s28 |

Julian Day Number = 2230459.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'46, Lahiri = 15°24'47 Julian Calendar 1 Sept. 1394 == Greg. Calendar 9 Sept. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## OCTOBER 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 10 50 | 15♎49'37 | 20♐51 | 8♏24 | 10♏ 6 | 25♋36 | 20°R 1 | 29♎55 | 24♏47 | 25°R35 | 0°R22 | 11°R53 | 10♒51 | 26♋41 | 29°R24 | T 1 |
| F 2 | 1 14 47 | 16°49'16 | 4♑53 | 9°40 | 11°20 | 26° 7 | 19♈53 | 0♏ 2 | 24°50 | 25♉34 | 0♊21 | 11♒51 | 10°47 | 26°47 | 29♈21 | F 2 |
| S 3 | 1 18 44 | 17°48'57 | 18°57 | 10°54 | 12°34 | 26°37 | 19°45 | 0° 9 | 24°53 | 25°33 | 0°20 | 11°D50 | 10°44 | 26°54 | 29°18 | S 3 |
| S 4 | 1 22 40 | 18°48'40 | 3♒ 4 | 12° 7 | 13°48 | 27° 7 | 19°37 | 0°16 | 24°56 | 25°32 | 0°19 | 11°50 | 10°41 | 27° 1 | 29°15 | S 4 |
| M 5 | 1 26 37 | 19°48'24 | 17°14 | 13°18 | 15° 2 | 27°38 | 19°29 | 0°23 | 24°59 | 25°30 | 0°18 | 11°R50 | 10°38 | 27° 7 | 29°12 | M 5 |
| T 6 | 1 30 33 | 20°48'10 | 1♓23 | 14°28 | 16°16 | 28° 7 | 19°20 | 0°30 | 25° 3 | 25°29 | 0°18 | 11°49 | 10°35 | 27°14 | 29° 9 | T 6 |
| W 7 | 1 34 30 | 21°47'57 | 15°30 | 15°35 | 17°30 | 28°37 | 19°12 | 0°37 | 25° 6 | 25°28 | 0°17 | 11°45 | 10°32 | 27°20 | 29° 6 | W 7 |
| T 8 | 1 38 26 | 22°47'47 | 29°32 | 16°40 | 18°45 | 29° 6 | 19° 4 | 0°44 | 25° 9 | 25°26 | 0°16 | 11°38 | 10°28 | 27°27 | 29° 3 | T 8 |
| F 9 | 1 42 23 | 23°47'38 | 13♈26 | 17°43 | 19°59 | 29°35 | 18°56 | 0°52 | 25°12 | 25°25 | 0°15 | 11°29 | 10°25 | 27°34 | 29° 0 | F 9 |
| S 10 | 1 46 19 | 24°47'31 | 27° 6 | 18°42 | 21°13 | 0♌ 4 | 18°48 | 0°59 | 25°16 | 25°24 | 0°14 | 11°17 | 10°22 | 27°40 | 28°57 | S 10 |
| S 11 | 1 50 16 | 25°47'26 | 10♉29 | 19°39 | 22°27 | 0°33 | 18°40 | 1° 6 | 25°19 | 25°22 | 0°13 | 11° 5 | 10°19 | 27°47 | 28°54 | S 11 |
| M12 | 1 54 13 | 26°47'23 | 23°34 | 20°33 | 23°41 | 1° 2 | 18°32 | 1°13 | 25°22 | 25°21 | 0°12 | 10°53 | 10°16 | 27°54 | 28°51 | M12 |
| T 13 | 1 58 9 | 27°47'23 | 6♊20 | 21°23 | 24°55 | 1°30 | 18°24 | 1°20 | 25°26 | 25°19 | 0°11 | 10°42 | 10°13 | 28° 0 | 28°48 | T 13 |
| W14 | 2 2 6 | 28°47'24 | 18°46 | 22° 8 | 26° 9 | 1°58 | 18°16 | 1°27 | 25°29 | 25°18 | 0°10 | 10°34 | 10° 9 | 28° 7 | 28°45 | W14 |
| T 15 | 2 6 2 | 29°47'28 | 0♋57 | 22°49 | 27°23 | 2°25 | 18° 8 | 1°35 | 25°32 | 25°16 | 0°10 | 10°28 | 10° 6 | 28°14 | 28°42 | T 15 |
| F 16 | 2 9 59 | 0♏47'33 | 12°55 | 23°25 | 28°37 | 2°53 | 18° 1 | 1°42 | 25°36 | 25°15 | 0° 9 | 10°24 | 10° 3 | 28°20 | 28°39 | F 16 |
| S 17 | 2 13 55 | 1°47'41 | 24°45 | 23°55 | 29°51 | 3°20 | 17°53 | 1°49 | 25°39 | 25°13 | 0° 8 | 10°23 | 10° 0 | 28°27 | 28°36 | S 17 |
| S 18 | 2 17 52 | 2°47'51 | 6♌33 | 24°19 | 1♐ 5 | 3°47 | 17°45 | 1°56 | 25°43 | 25°12 | 0° 7 | 10°23 | 9°57 | 28°34 | 28°33 | S 18 |
| M19 | 2 21 48 | 3°48'03 | 18°23 | 24°36 | 2°19 | 4°14 | 17°38 | 2° 3 | 25°46 | 25°10 | 0° 6 | 10°23 | 9°53 | 28°40 | 28°30 | M19 |
| T 20 | 2 25 45 | 4°48'17 | 0♍23 | 24°45 | 3°33 | 4°40 | 17°30 | 2°10 | 25°50 | 25° 9 | 0° 5 | 10°22 | 9°50 | 28°47 | 28°27 | T 20 |
| W21 | 2 29 42 | 5°48'33 | 12°36 | 24°R47 | 4°47 | 5° 6 | 17°23 | 2°18 | 25°53 | 25° 7 | 0° 4 | 10°18 | 9°47 | 28°54 | 28°24 | W21 |
| T 22 | 2 33 38 | 6°48'51 | 25° 7 | 24°39 | 6° 0 | 5°32 | 17°16 | 2°25 | 25°57 | 25° 6 | 0° 3 | 10°12 | 9°44 | 29° 0 | 28°21 | T 22 |
| F 23 | 2 37 35 | 7°49'11 | 7♎59 | 24°21 | 7°14 | 5°57 | 17° 9 | 2°32 | 26° 0 | 25° 4 | 0° 1 | 10° 3 | 9°41 | 29° 7 | 28°18 | F 23 |
| S 24 | 2 41 31 | 8°49'33 | 21°13 | 23°54 | 8°28 | 6°23 | 17° 2 | 2°39 | 26° 4 | 25° 2 | 0° 0 | 9°52 | 9°38 | 29°13 | 28°15 | S 24 |
| S 25 | 2 45 28 | 9°49'56 | 4♏48 | 23°17 | 9°42 | 6°47 | 16°55 | 2°46 | 26° 7 | 25° 1 | 29♉59 | 9°39 | 9°34 | 29°20 | 28°12 | S 25 |
| M26 | 2 49 24 | 10°50'22 | 18°42 | 22°30 | 10°56 | 7°12 | 16°48 | 2°53 | 26°11 | 24°59 | 29°58 | 9°26 | 9°31 | 29°27 | 28° 9 | M26 |
| T 27 | 2 53 21 | 11°50'49 | 2♐49 | 21°33 | 12°10 | 7°36 | 16°41 | 3° 0 | 26°15 | 24°57 | 29°57 | 9°15 | 9°28 | 29°33 | 28° 6 | T 27 |
| W28 | 2 57 17 | 12°51'18 | 17° 5 | 20°28 | 13°24 | 8° 0 | 16°35 | 3° 8 | 26°18 | 24°56 | 29°56 | 9° 5 | 9°25 | 29°40 | 28° 3 | W28 |
| T 29 | 3 1 14 | 13°51'48 | 1♑25 | 19°16 | 14°38 | 8°23 | 16°28 | 3°15 | 26°22 | 24°54 | 29°55 | 8°58 | 9°22 | 29°47 | 28° 0 | T 29 |
| F 30 | 3 5 11 | 14°52'20 | 15°42 | 17°58 | 15°51 | 8°47 | 16°22 | 3°22 | 26°26 | 24°53 | 29°54 | 8°54 | 9°19 | 29°53 | 27°57 | F 30 |
| S 31 | 3 9 7 | 15♏52'52 | 29♑56 | 16♏37 | 17♐ 5 | 9♌ 9 | 16♈16 | 3♏29 | 26♏29 | 24♉51 | 29♉53 | 8♒53 | 9♒15 | 0♌ 0 | 27♈55 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s15 | 27s 9 | 3s57 | 16s29 | 2s15 | 14s59 | 0s 5 | 22n11 | 1n 6 | 6n21 | 1s37 | 9s23 | 2n14 | 18s51 | 0n11 | 17n30 | 1s46 | 8n33 | 12s 0 | 17s17 | 17s34 | 22n 8 | 10n51 | 0s28 |
| F 2 | 6 38 | 26 29 | 3 4 | 16 58 | 2 20 | 15 25 | 0 8 | 22 6 | 1 8 | 6 18 | 1 37 | 9 26 | 2 14 | 18 52 | 0 11 | 17 30 | 1 46 | 8 33 | 12 0 | 17 18 | 17 35 | 22 6 | 10 50 | 0 28 |
| S 3 | 7 1 | 24 8 | 1 59 | 17 27 | 2 26 | 15 50 | 0 11 | 22 2 | 1 9 | 6 15 | 1 37 | 9 28 | 2 14 | 18 53 | 0 11 | 17 30 | 1 46 | 8 32 | 12 0 | 17 18 | 17 36 | 22 4 | 10 49 | 0 29 |
| S 4 | 7 24 | 20 17 | 0 47 | 17 55 | 2 31 | 16 15 | 0 14 | 21 57 | 1 10 | 6 12 | 1 37 | 9 31 | 2 14 | 18 53 | 0 11 | 17 29 | 1 46 | 8 32 | 12 0 | 17 18 | 17 37 | 22 1 | 10 48 | 0 29 |
| M 5 | 7 46 | 15 16 | 0n29 | 18 21 | 2 35 | 16 40 | 0 16 | 21 53 | 1 12 | 6 9 | 1 37 | 9 34 | 2 14 | 18 54 | 0 11 | 17 29 | 1 46 | 8 32 | 12 1 | 17 18 | 17 38 | 21 59 | 10 47 | 0 29 |
| T 6 | 8 9 | 9 26 | 1 42 | 18 46 | 2 40 | 17 4 | 0 19 | 21 48 | 1 13 | 6 6 | 1 37 | 9 36 | 2 14 | 18 55 | 0 11 | 17 29 | 1 46 | 8 31 | 12 1 | 17 18 | 17 39 | 21 57 | 10 46 | 0 29 |
| W 7 | 8 31 | 3 9 | 2 49 | 19 10 | 2 44 | 17 28 | 0 22 | 21 43 | 1 14 | 6 3 | 1 37 | 9 39 | 2 14 | 18 56 | 0 11 | 17 28 | 1 46 | 8 31 | 12 1 | 17 19 | 17 39 | 21 55 | 10 44 | 0 29 |
| T 8 | 8 54 | 3n15 | 3 45 | 19 32 | 2 47 | 17 51 | 0 25 | 21 39 | 1 16 | 6 0 | 1 37 | 9 41 | 2 14 | 18 56 | 0 11 | 17 28 | 1 46 | 8 31 | 12 1 | 17 21 | 17 40 | 21 53 | 10 43 | 0 29 |
| F 9 | 9 16 | 9 24 | 4 26 | 19 53 | 2 50 | 18 14 | 0 27 | 21 34 | 1 17 | 5 57 | 1 36 | 9 44 | 2 13 | 18 57 | 0 11 | 17 28 | 1 46 | 8 30 | 12 1 | 17 24 | 17 41 | 21 51 | 10 42 | 0 29 |
| S 10 | 9 38 | 15 0 | 4 52 | 20 13 | 2 53 | 18 36 | 0 30 | 21 29 | 1 19 | 5 54 | 1 36 | 9 46 | 2 13 | 18 58 | 0 11 | 17 27 | 1 46 | 8 30 | 12 1 | 17 27 | 17 42 | 21 48 | 10 41 | 0 29 |
| S 11 | 10 0 | 19 47 | 5 1 | 20 30 | 2 55 | 18 58 | 0 33 | 21 24 | 1 20 | 5 51 | 1 36 | 9 49 | 2 13 | 18 59 | 0 11 | 17 27 | 1 46 | 8 30 | 12 1 | 17 30 | 17 43 | 21 46 | 10 40 | 0 29 |
| M12 | 10 22 | 23 28 | 4 54 | 20 46 | 2 56 | 19 20 | 0 36 | 21 19 | 1 22 | 5 48 | 1 36 | 9 51 | 2 13 | 19 0 | 0 11 | 17 26 | 1 47 | 8 30 | 12 1 | 17 34 | 17 44 | 21 44 | 10 39 | 0 29 |
| T 13 | 10 43 | 25 54 | 4 32 | 21 0 | 2 57 | 19 41 | 0 38 | 21 15 | 1 23 | 5 45 | 1 36 | 9 54 | 2 13 | 19 0 | 0 11 | 17 26 | 1 47 | 8 29 | 12 2 | 17 37 | 17 45 | 21 42 | 10 38 | 0 29 |
| W14 | 11 5 | 26 59 | 3 58 | 21 12 | 2 57 | 20 1 | 0 41 | 21 10 | 1 25 | 5 43 | 1 36 | 9 56 | 2 13 | 19 1 | 0 11 | 17 26 | 1 47 | 8 29 | 12 2 | 17 39 | 17 45 | 21 40 | 10 36 | 0 30 |
| T 15 | 11 26 | 26 44 | 3 13 | 21 22 | 2 56 | 20 21 | 0 44 | 21 5 | 1 26 | 5 40 | 1 36 | 9 59 | 2 13 | 19 2 | 0 11 | 17 25 | 1 47 | 8 29 | 12 2 | 17 41 | 17 46 | 21 38 | 10 35 | 0 30 |
| F 16 | 11 47 | 25 13 | 2 20 | 21 30 | 2 54 | 20 40 | 0 47 | 21 0 | 1 28 | 5 37 | 1 36 | 10 1 | 2 13 | 19 3 | 0 11 | 17 25 | 1 47 | 8 28 | 12 2 | 17 41 | 17 47 | 21 35 | 10 34 | 0 30 |
| S 17 | 12 8 | 22 36 | 1 22 | 21 35 | 2 51 | 20 59 | 0 49 | 20 55 | 1 29 | 5 34 | 1 36 | 10 4 | 2 13 | 19 4 | 0 11 | 17 25 | 1 47 | 8 28 | 12 2 | 17 42 | 17 48 | 21 33 | 10 33 | 0 30 |
| S 18 | 12 29 | 19 2 | 0 20 | 21 37 | 2 48 | 21 17 | 0 52 | 20 50 | 1 31 | 5 31 | 1 35 | 10 6 | 2 13 | 19 5 | 0 11 | 17 24 | 1 47 | 8 28 | 12 2 | 17 42 | 17 49 | 21 31 | 10 32 | 0 30 |
| M19 | 12 50 | 14 42 | 0s42 | 21 37 | 2 43 | 21 35 | 0 55 | 20 46 | 1 32 | 5 29 | 1 35 | 10 9 | 2 13 | 19 5 | 0 11 | 17 24 | 1 47 | 8 28 | 12 2 | 17 42 | 17 50 | 21 29 | 10 31 | 0 30 |
| T 20 | 13 10 | 9 45 | 1 44 | 21 33 | 2 36 | 21 52 | 0 57 | 20 41 | 1 34 | 5 26 | 1 35 | 10 11 | 2 13 | 19 6 | 0 11 | 17 23 | 1 47 | 8 27 | 12 2 | 17 42 | 17 51 | 21 26 | 10 29 | 0 30 |
| W21 | 13 30 | 4 22 | 2 42 | 21 26 | 2 29 | 22 8 | 1 0 | 20 36 | 1 35 | 5 23 | 1 35 | 10 13 | 2 13 | 19 7 | 0 11 | 17 23 | 1 47 | 8 27 | 12 2 | 17 43 | 17 51 | 21 24 | 10 28 | 0 30 |
| T 22 | 13 50 | 1s19 | 3 33 | 21 15 | 2 19 | 22 24 | 1 2 | 20 31 | 1 37 | 5 21 | 1 35 | 10 16 | 2 13 | 19 8 | 0 11 | 17 23 | 1 47 | 8 27 | 12 2 | 17 45 | 17 52 | 21 22 | 10 27 | 0 30 |
| F 23 | 14 10 | 7 5 | 4 15 | 21 0 | 2 9 | 22 39 | 1 5 | 20 26 | 1 39 | 5 18 | 1 35 | 10 18 | 2 13 | 19 9 | 0 11 | 17 22 | 1 47 | 8 27 | 12 2 | 17 47 | 17 53 | 21 20 | 10 26 | 0 30 |
| S 24 | 14 29 | 12 42 | 4 45 | 20 41 | 1 56 | 22 54 | 1 7 | 20 22 | 1 40 | 5 15 | 1 34 | 10 21 | 2 13 | 19 10 | 0 11 | 17 22 | 1 47 | 8 26 | 12 2 | 17 50 | 17 54 | 21 18 | 10 25 | 0 30 |
| S 25 | 14 49 | 17 51 | 4 59 | 20 18 | 1 42 | 23 8 | 1 10 | 20 17 | 1 42 | 5 13 | 1 34 | 10 23 | 2 13 | 19 11 | 0 11 | 17 21 | 1 47 | 8 26 | 12 2 | 17 54 | 17 55 | 21 15 | 10 24 | 0 30 |
| M26 | 15 8 | 22 11 | 4 56 | 19 51 | 1 26 | 23 21 | 1 12 | 20 12 | 1 44 | 5 11 | 1 34 | 10 26 | 2 13 | 19 11 | 0 11 | 17 21 | 1 47 | 8 26 | 12 3 | 17 57 | 17 56 | 21 13 | 10 23 | 0 31 |
| T 27 | 15 26 | 25 18 | 4 35 | 19 19 | 1 9 | 23 34 | 1 15 | 20 8 | 1 45 | 5 8 | 1 34 | 10 28 | 2 13 | 19 12 | 0 11 | 17 21 | 1 47 | 8 26 | 12 3 | 18 0 | 17 57 | 21 11 | 10 21 | 0 31 |
| W28 | 15 45 | 26 50 | 3 57 | 18 44 | 0 50 | 23 46 | 1 17 | 20 3 | 1 47 | 5 6 | 1 34 | 10 30 | 2 13 | 19 13 | 0 11 | 17 20 | 1 47 | 8 25 | 12 3 | 18 3 | 17 57 | 21 9 | 10 20 | 0 31 |
| T 29 | 16 3 | 26 35 | 3 4 | 18 5 | 0 31 | 23 57 | 1 19 | 19 59 | 1 49 | 5 4 | 1 33 | 10 33 | 2 13 | 19 14 | 0 11 | 17 20 | 1 47 | 8 25 | 12 3 | 18 4 | 17 58 | 21 6 | 10 19 | 0 31 |
| F 30 | 16 21 | 24 34 | 1 59 | 17 24 | 0 10 | 24 7 | 1 22 | 19 54 | 1 51 | 5 1 | 1 33 | 10 35 | 2 13 | 19 15 | 0 11 | 17 19 | 1 47 | 8 25 | 12 3 | 18 5 | 17 59 | 21 4 | 10 18 | 0 31 |
| S 31 | 16s39 | 21s 0 | 0s47 | 16s42 | 0n11 | 24s17 | 1s24 | 19n50 | 1n52 | 4n59 | 1s33 | 10s38 | 2n13 | 19s16 | 0n11 | 17n19 | 1s47 | 8n25 | 12s 3 | 18s 6 | 18s 0 | 21n 2 | 10n17 | 0s31 |

Julian Day Number = 2230489.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'11, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'50, Lahiri = 15°24'51 Julian Calendar 1 Oct. 1394 == Greg. Calendar 9 Oct. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## NOVEMBER 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 13 4 | 16♏53'27 | 14♒ 3 | 15°R16 | 18♐19 | 9♌32 | 16°R10 | 3♏36 | 26♏33 | 24°R49 | 29°R52 | 8°R53 | 9♒12 | 0♌ 7 | 27°R52 | S 1 |
| M 2 | 3 17 0 | 17°54'02 | 28° 3 | 13♏58 | 19°33 | 9°54 | 16♈ 4 | 3°43 | 26°37 | 24♉47 | 29♉51 | 8♒53 | 9° 9 | 0°13 | 27♈49 | M 2 |
| T 3 | 3 20 57 | 18°54'38 | 11♓55 | 12°44 | 20°47 | 10°16 | 15°59 | 3°50 | 26°40 | 24°46 | 29°50 | 8°51 | 9° 6 | 0°20 | 27°46 | T 3 |
| W 4 | 3 24 53 | 19°55'16 | 25°40 | 11°38 | 22° 0 | 10°37 | 15°53 | 3°57 | 26°44 | 24°44 | 29°48 | 8°47 | 9° 3 | 0°27 | 27°43 | W 4 |
| T 5 | 3 28 50 | 20°55'54 | 9♈17 | 10°40 | 23°14 | 10°58 | 15°48 | 4° 4 | 26°48 | 24°42 | 29°47 | 8°40 | 8°59 | 0°33 | 27°41 | T 5 |
| F 6 | 3 32 46 | 21°56'34 | 22°44 | 9°53 | 24°28 | 11°19 | 15°43 | 4°11 | 26°51 | 24°41 | 29°46 | 8°30 | 8°56 | 0°40 | 27°38 | F 6 |
| S 7 | 3 36 43 | 22°57'16 | 6♉ 0 | 9°18 | 25°41 | 11°39 | 15°38 | 4°18 | 26°55 | 24°39 | 29°45 | 8°18 | 8°53 | 0°47 | 27°35 | S 7 |
| S 8 | 3 40 40 | 23°57'58 | 19° 3 | 8°54 | 26°55 | 11°58 | 15°33 | 4°25 | 26°59 | 24°37 | 29°44 | 8° 5 | 8°50 | 0°53 | 27°33 | S 8 |
| M 9 | 3 44 36 | 24°58'42 | 1♊52 | 8°41 | 28° 8 | 12°18 | 15°28 | 4°32 | 27° 2 | 24°36 | 29°43 | 7°52 | 8°47 | 1° 0 | 27°30 | M 9 |
| T 10 | 3 48 33 | 25°59'28 | 14°26 | 8°D40 | 29°22 | 12°37 | 15°24 | 4°39 | 27° 6 | 24°34 | 29°42 | 7°41 | 8°44 | 1° 6 | 27°28 | T 10 |
| W11 | 3 52 29 | 27° 0'14 | 26°46 | 8°50 | 0♋36 | 12°55 | 15°20 | 4°45 | 27°10 | 24°32 | 29°41 | 7°31 | 8°40 | 1°13 | 27°25 | W11 |
| T 12 | 3 56 26 | 28° 1'02 | 8♋52 | 9° 9 | 1°49 | 13°13 | 15°16 | 4°52 | 27°13 | 24°31 | 29°39 | 7°25 | 8°37 | 1°20 | 27°23 | T 12 |
| F 13 | 4 0 22 | 29° 1'52 | 20°47 | 9°37 | 3° 3 | 13°30 | 15°12 | 4°59 | 27°17 | 24°29 | 29°38 | 7°21 | 8°34 | 1°26 | 27°20 | F 13 |
| S 14 | 4 4 19 | 0♐ 2'43 | 2♌36 | 10°13 | 4°16 | 13°48 | 15° 8 | 5° 6 | 27°21 | 24°27 | 29°37 | 7°D20 | 8°31 | 1°33 | 27°18 | S 14 |
| S 15 | 4 8 16 | 1° 3'35 | 14°23 | 10°56 | 5°29 | 14° 4 | 15° 5 | 5°12 | 27°24 | 24°25 | 29°36 | 7°20 | 8°28 | 1°40 | 27°15 | S 15 |
| M16 | 4 12 12 | 2° 4'29 | 26°12 | 11°45 | 6°43 | 14°20 | 15° 1 | 5°19 | 27°28 | 24°24 | 29°35 | 7°20 | 8°25 | 1°46 | 27°13 | M16 |
| T 17 | 4 16 9 | 3° 5'24 | 8♍11 | 12°40 | 7°56 | 14°36 | 14°58 | 5°26 | 27°32 | 24°22 | 29°34 | 7°R20 | 8°21 | 1°53 | 27°11 | T 17 |
| W18 | 4 20 5 | 4° 6'20 | 20°23 | 13°40 | 9°10 | 14°51 | 14°55 | 5°32 | 27°36 | 24°20 | 29°33 | 7°19 | 8°18 | 2° 0 | 27° 8 | W18 |
| T 19 | 4 24 2 | 5° 7'17 | 2♎54 | 14°44 | 10°23 | 15° 5 | 14°52 | 5°39 | 27°39 | 24°19 | 29°31 | 7°15 | 8°15 | 2° 6 | 27° 6 | T 19 |
| F 20 | 4 27 58 | 6° 8'16 | 15°48 | 15°52 | 11°36 | 15°19 | 14°50 | 5°46 | 27°43 | 24°17 | 29°30 | 7° 9 | 8°12 | 2°13 | 27° 4 | F 20 |
| S 21 | 4 31 55 | 7° 9'16 | 29° 8 | 17° 3 | 12°49 | 15°33 | 14°48 | 5°52 | 27°47 | 24°15 | 29°29 | 7° 1 | 8° 9 | 2°20 | 27° 2 | S 21 |
| S 22 | 4 35 51 | 8°10'17 | 12♏54 | 18°17 | 14° 3 | 15°45 | 14°46 | 5°58 | 27°50 | 24°14 | 29°28 | 6°51 | 8° 5 | 2°26 | 27° 0 | S 22 |
| M23 | 4 39 48 | 9°11'20 | 27° 4 | 19°33 | 15°16 | 15°58 | 14°44 | 6° 5 | 27°54 | 24°12 | 29°27 | 6°41 | 8° 2 | 2°33 | 26°58 | M23 |
| T 24 | 4 43 45 | 10°12'23 | 11♐34 | 20°51 | 16°29 | 16° 9 | 14°42 | 6°11 | 27°58 | 24°11 | 29°26 | 6°31 | 7°59 | 2°40 | 26°56 | T 24 |
| W25 | 4 47 41 | 11°13'27 | 26°15 | 22°11 | 17°42 | 16°21 | 14°40 | 6°18 | 28° 1 | 24° 9 | 29°25 | 6°24 | 7°56 | 2°46 | 26°54 | W25 |
| T 26 | 4 51 38 | 12°14'32 | 11♑ 2 | 23°32 | 18°55 | 16°31 | 14°39 | 6°24 | 28° 5 | 24° 7 | 29°24 | 6°19 | 7°53 | 2°53 | 26°52 | T 26 |
| F 27 | 4 55 34 | 13°15'37 | 25°45 | 24°55 | 20° 8 | 16°41 | 14°38 | 6°30 | 28° 8 | 24° 6 | 29°22 | 6°16 | 7°50 | 2°59 | 26°50 | F 27 |
| S 28 | 4 59 31 | 14°16'43 | 10♒20 | 26°19 | 21°21 | 16°50 | 14°37 | 6°36 | 28°12 | 24° 4 | 29°21 | 6°D16 | 7°46 | 3° 6 | 26°48 | S 28 |
| S 29 | 5 3 27 | 15°17'49 | 24°41 | 27°44 | 22°34 | 16°59 | 14°37 | 6°43 | 28°16 | 24° 3 | 29°20 | 6°17 | 7°43 | 3°13 | 26°46 | S 29 |
| M30 | 5 7 24 | 16♐18'56 | 8♓47 | 29♏10 | 23♑47 | 17♌ 7 | 14♈36 | 6♏49 | 28♏19 | 24♉ 1 | 29♉19 | 6♒18 | 7♒40 | 3♌19 | 26♈45 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s56 | 16s14 | 0n27 | 15s59 | 0n31 | 24s26 | 1s26 | 19n45 | 1n54 | 4n57 | 1s33 | 10s40 | 2n13 | 19s17 | 0n11 | 17n19 | 1s47 | 8n24 | 12s 3 | 18s 6 | 18s 1 | 20n59 | 10n16 | 0s31 |
| M 2 | 17 13 | 10 38 | 1 40 | 15 16 | 0 51 | 24 34 | 1 28 | 19 41 | 1 56 | 4 55 | 1 32 | 10 42 | 2 13 | 19 17 | 0 11 | 17 18 | 1 47 | 8 24 | 12 3 | 18 6 | 18 2 | 20 57 | 10 15 | 0 31 |
| T 3 | 17 30 | 4 34 | 2 45 | 14 37 | 1 9 | 24 42 | 1 30 | 19 37 | 1 58 | 4 53 | 1 32 | 10 45 | 2 13 | 19 18 | 0 11 | 17 18 | 1 47 | 8 24 | 12 3 | 18 6 | 18 2 | 20 55 | 10 14 | 0 31 |
| W 4 | 17 47 | 1n39 | 3 41 | 14 0 | 1 27 | 24 49 | 1 32 | 19 33 | 2 0 | 4 51 | 1 32 | 10 47 | 2 14 | 19 19 | 0 11 | 17 17 | 1 47 | 8 24 | 12 3 | 18 7 | 18 3 | 20 53 | 10 13 | 0 31 |
| T 5 | 18 3 | 7 43 | 4 23 | 13 28 | 1 42 | 24 55 | 1 34 | 19 29 | 2 1 | 4 50 | 1 32 | 10 49 | 2 14 | 19 20 | 0 11 | 17 17 | 1 47 | 8 23 | 12 3 | 18 9 | 18 4 | 20 50 | 10 12 | 0 31 |
| F 6 | 18 19 | 13 21 | 4 50 | 13 0 | 1 55 | 25 1 | 1 36 | 19 25 | 2 3 | 4 48 | 1 31 | 10 52 | 2 14 | 19 21 | 0 11 | 17 17 | 1 47 | 8 23 | 12 3 | 18 12 | 18 5 | 20 48 | 10 11 | 0 31 |
| S 7 | 18 34 | 18 17 | 5 1 | 12 39 | 2 6 | 25 5 | 1 38 | 19 21 | 2 5 | 4 46 | 1 31 | 10 54 | 2 14 | 19 22 | 0 11 | 17 16 | 1 47 | 8 23 | 12 3 | 18 15 | 18 6 | 20 46 | 10 10 | 0 32 |
| S 8 | 18 50 | 22 17 | 4 56 | 12 22 | 2 15 | 25 9 | 1 40 | 19 18 | 2 7 | 4 45 | 1 31 | 10 56 | 2 14 | 19 23 | 0 11 | 17 16 | 1 47 | 8 23 | 12 3 | 18 18 | 18 7 | 20 43 | 10 9 | 0 32 |
| M 9 | 19 4 | 25 6 | 4 35 | 12 12 | 2 23 | 25 12 | 1 42 | 19 14 | 2 9 | 4 43 | 1 31 | 10 58 | 2 14 | 19 23 | 0 11 | 17 15 | 1 47 | 8 22 | 12 3 | 18 22 | 18 8 | 20 41 | 10 8 | 0 32 |
| T 10 | 19 19 | 26 37 | 4 2 | 12 6 | 2 28 | 25 15 | 1 44 | 19 10 | 2 11 | 4 42 | 1 30 | 11 1 | 2 14 | 19 24 | 0 11 | 17 15 | 1 47 | 8 22 | 12 3 | 18 25 | 18 8 | 20 39 | 10 7 | 0 32 |
| W11 | 19 33 | 26 47 | 3 18 | 12 6 | 2 31 | 25 16 | 1 45 | 19 7 | 2 13 | 4 40 | 1 30 | 11 3 | 2 14 | 19 25 | 0 11 | 17 14 | 1 47 | 8 22 | 12 3 | 18 27 | 18 9 | 20 36 | 10 6 | 0 32 |
| T 12 | 19 47 | 25 38 | 2 25 | 12 10 | 2 33 | 25 17 | 1 47 | 19 4 | 2 15 | 4 39 | 1 30 | 11 5 | 2 14 | 19 26 | 0 10 | 17 14 | 1 47 | 8 22 | 12 3 | 18 29 | 18 10 | 20 34 | 10 5 | 0 32 |
| F 13 | 20 1 | 23 20 | 1 27 | 12 18 | 2 34 | 25 17 | 1 48 | 19 1 | 2 17 | 4 38 | 1 30 | 11 7 | 2 14 | 19 27 | 0 10 | 17 14 | 1 47 | 8 22 | 12 3 | 18 30 | 18 11 | 20 32 | 10 4 | 0 32 |
| S 14 | 20 14 | 20 3 | 0 25 | 12 30 | 2 33 | 25 17 | 1 50 | 18 58 | 2 19 | 4 36 | 1 29 | 11 9 | 2 14 | 19 28 | 0 10 | 17 13 | 1 47 | 8 21 | 12 3 | 18 30 | 18 12 | 20 29 | 10 3 | 0 32 |
| S 15 | 20 26 | 15 58 | 0s38 | 12 45 | 2 31 | 25 15 | 1 51 | 18 55 | 2 21 | 4 35 | 1 29 | 11 12 | 2 14 | 19 29 | 0 10 | 17 13 | 1 47 | 8 21 | 12 3 | 18 30 | 18 13 | 20 27 | 10 2 | 0 32 |
| M16 | 20 39 | 11 16 | 1 39 | 13 3 | 2 29 | 25 13 | 1 53 | 18 52 | 2 23 | 4 34 | 1 29 | 11 14 | 2 14 | 19 29 | 0 10 | 17 12 | 1 47 | 8 21 | 12 3 | 18 30 | 18 13 | 20 25 | 10 1 | 0 32 |
| T 17 | 20 51 | 6 6 | 2 37 | 13 23 | 2 25 | 25 10 | 1 54 | 18 49 | 2 25 | 4 33 | 1 28 | 11 16 | 2 14 | 19 30 | 0 10 | 17 12 | 1 47 | 8 21 | 12 3 | 18 30 | 18 14 | 20 22 | 10 0 | 0 32 |
| W18 | 21 2 | 0 37 | 3 29 | 13 45 | 2 21 | 25 7 | 1 55 | 18 47 | 2 27 | 4 33 | 1 28 | 11 18 | 2 14 | 19 31 | 0 10 | 17 12 | 1 47 | 8 21 | 12 2 | 18 30 | 18 15 | 20 20 | 9 59 | 0 32 |
| T 19 | 21 13 | 5s 1 | 4 12 | 14 9 | 2 16 | 25 2 | 1 56 | 18 45 | 2 30 | 4 32 | 1 28 | 11 20 | 2 14 | 19 32 | 0 10 | 17 11 | 1 47 | 8 21 | 12 2 | 18 31 | 18 16 | 20 18 | 9 58 | 0 32 |
| F 20 | 21 24 | 10 36 | 4 44 | 14 34 | 2 10 | 24 57 | 1 57 | 18 43 | 2 32 | 4 31 | 1 28 | 11 22 | 2 15 | 19 33 | 0 10 | 17 11 | 1 47 | 8 20 | 12 2 | 18 33 | 18 17 | 20 15 | 9 57 | 0 32 |
| S 21 | 21 35 | 15 54 | 5 2 | 15 0 | 2 5 | 24 51 | 1 58 | 18 41 | 2 34 | 4 31 | 1 27 | 11 24 | 2 15 | 19 34 | 0 10 | 17 11 | 1 47 | 8 20 | 12 2 | 18 35 | 18 17 | 20 13 | 9 57 | 0 33 |
| S 22 | 21 45 | 20 34 | 5 3 | 15 26 | 1 58 | 24 45 | 1 59 | 18 39 | 2 36 | 4 30 | 1 27 | 11 26 | 2 15 | 19 35 | 0 10 | 17 10 | 1 47 | 8 20 | 12 2 | 18 37 | 18 18 | 20 11 | 9 56 | 0 33 |
| M23 | 21 54 | 24 12 | 4 46 | 15 53 | 1 52 | 24 37 | 2 0 | 18 37 | 2 38 | 4 30 | 1 27 | 11 28 | 2 15 | 19 35 | 0 10 | 17 10 | 1 47 | 8 20 | 12 2 | 18 40 | 18 19 | 20 8 | 9 55 | 0 33 |
| T 24 | 22 3 | 26 23 | 4 10 | 16 20 | 1 45 | 24 29 | 2 0 | 18 36 | 2 41 | 4 29 | 1 26 | 11 30 | 2 15 | 19 36 | 0 10 | 17 9 | 1 47 | 8 20 | 12 2 | 18 42 | 18 20 | 20 6 | 9 54 | 0 33 |
| W25 | 22 12 | 26 46 | 3 18 | 16 48 | 1 38 | 24 21 | 2 1 | 18 35 | 2 43 | 4 29 | 1 26 | 11 32 | 2 15 | 19 37 | 0 10 | 17 9 | 1 47 | 8 20 | 12 2 | 18 44 | 18 21 | 20 3 | 9 53 | 0 33 |
| T 26 | 22 20 | 25 14 | 2 11 | 17 15 | 1 31 | 24 11 | 2 1 | 18 34 | 2 45 | 4 29 | 1 26 | 11 34 | 2 15 | 19 38 | 0 10 | 17 9 | 1 47 | 8 19 | 12 2 | 18 45 | 18 22 | 20 1 | 9 53 | 0 33 |
| F 27 | 22 28 | 21 59 | 0 56 | 17 43 | 1 23 | 24 1 | 2 2 | 18 33 | 2 47 | 4 29 | 1 25 | 11 36 | 2 15 | 19 39 | 0 10 | 17 8 | 1 47 | 8 19 | 12 2 | 18 46 | 18 22 | 19 59 | 9 52 | 0 33 |
| S 28 | 22 35 | 17 22 | 0n22 | 18 10 | 1 16 | 23 50 | 2 2 | 18 32 | 2 50 | 4 29 | 1 25 | 11 38 | 2 15 | 19 39 | 0 10 | 17 8 | 1 47 | 8 19 | 12 2 | 18 46 | 18 23 | 19 56 | 9 51 | 0 33 |
| S 29 | 22 42 | 11 48 | 1 38 | 18 37 | 1 8 | 23 38 | 2 3 | 18 32 | 2 52 | 4 29 | 1 25 | 11 40 | 2 15 | 19 40 | 0 10 | 17 8 | 1 46 | 8 19 | 12 2 | 18 46 | 18 24 | 19 54 | 9 51 | 0 33 |
| M30 | 22s49 | 5s44 | 2n46 | 19s 3 | 1n 1 | 23s26 | 2s 3 | 18n32 | 2n54 | 4n29 | 1s24 | 11s42 | 2n16 | 19s41 | 0n10 | 17n 7 | 1s46 | 8n19 | 12s 1 | 18s46 | 18s25 | 19n51 | 9n50 | 0s33 |

Julian Day Number = 2230520.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'55, Lahiri = 15°24'55 Julian Calendar 1 Nov. 1394 == Greg. Calendar 9 Nov. 1394


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# ASTRODIENST EPHEMERIS for the year 1394
# geocentric

## DECEMBER 1394 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 11 20 | 17♐20'02 | 22♓37 | 0♐37 | 25♑ 0 | 17♌14 | 14°R36 | 6♏55 | 28♏23 | 24°R 0 | 29°R18 | 6°R18 | 7♒37 | 3♌26 | 26°R43 | T 1 |
| W 2 | 5 15 17 | 18°21'09 | 6♈11 | 2° 4 | 26°13 | 17°20 | 14°D36 | 7° 1 | 28°26 | 23♉58 | 29♉17 | 6♒16 | 7°34 | 3°33 | 26♈41 | W 2 |
| T 3 | 5 19 14 | 19°22'16 | 19°31 | 3°32 | 27°25 | 17°26 | 14♈36 | 7° 7 | 28°30 | 23°57 | 29°16 | 6°12 | 7°31 | 3°39 | 26°40 | T 3 |
| F 4 | 5 23 10 | 20°23'24 | 2♉37 | 5° 0 | 28°38 | 17°32 | 14°37 | 7°12 | 28°33 | 23°55 | 29°15 | 6° 7 | 7°27 | 3°46 | 26°38 | F 4 |
| S 5 | 5 27 7 | 21°24'32 | 15°31 | 6°29 | 29°50 | 17°36 | 14°37 | 7°18 | 28°37 | 23°54 | 29°14 | 5°59 | 7°24 | 3°53 | 26°37 | S 5 |
| S 6 | 5 31 3 | 22°25'40 | 28°12 | 7°59 | 1♒ 3 | 17°40 | 14°38 | 7°24 | 28°40 | 23°52 | 29°13 | 5°51 | 7°21 | 3°59 | 26°36 | S 6 |
| M 7 | 5 35 0 | 23°26'48 | 10♊42 | 9°29 | 2°15 | 17°43 | 14°39 | 7°30 | 28°44 | 23°51 | 29°12 | 5°43 | 7°18 | 4° 6 | 26°34 | M 7 |
| T 8 | 5 38 56 | 24°27'57 | 23° 1 | 10°59 | 3°28 | 17°45 | 14°40 | 7°35 | 28°47 | 23°49 | 29°11 | 5°35 | 7°15 | 4°13 | 26°33 | T 8 |
| W 9 | 5 42 53 | 25°29'06 | 5♋ 9 | 12°29 | 4°40 | 17°47 | 14°42 | 7°41 | 28°51 | 23°48 | 29°10 | 5°29 | 7°11 | 4°19 | 26°32 | W 9 |
| T 10 | 5 46 49 | 26°30'15 | 17° 8 | 14° 0 | 5°52 | 17°48 | 14°43 | 7°47 | 28°54 | 23°46 | 29° 9 | 5°26 | 7° 8 | 4°26 | 26°31 | T 10 |
| F 11 | 5 50 46 | 27°31'25 | 29° 0 | 15°32 | 7° 5 | 17°R48 | 14°45 | 7°52 | 28°57 | 23°45 | 29° 8 | 5°24 | 7° 5 | 4°33 | 26°29 | F 11 |
| S 12 | 5 54 43 | 28°32'35 | 10♌47 | 17° 3 | 8°17 | 17°47 | 14°47 | 7°57 | 29° 1 | 23°44 | 29° 7 | 5°D24 | 7° 2 | 4°39 | 26°28 | S 12 |
| S 13 | 5 58 39 | 29°33'45 | 22°33 | 18°35 | 9°29 | 17°46 | 14°50 | 8° 3 | 29° 4 | 23°42 | 29° 6 | 5°25 | 6°59 | 4°46 | 26°27 | S 13 |
| M14 | 6 2 36 | 0♍34'55 | 4♍23 | 20° 7 | 10°41 | 17°43 | 14°52 | 8° 8 | 29° 7 | 23°41 | 29° 5 | 5°27 | 6°56 | 4°52 | 26°27 | M14 |
| T 15 | 6 6 32 | 1°36'06 | 16°20 | 21°40 | 11°53 | 17°40 | 14°55 | 8°13 | 29°11 | 23°40 | 29° 4 | 5°28 | 6°52 | 4°59 | 26°26 | T 15 |
| W16 | 6 10 29 | 2°37'17 | 28°29 | 23°13 | 13° 4 | 17°36 | 14°58 | 8°18 | 29°14 | 23°39 | 29° 3 | 5°R29 | 6°49 | 5° 6 | 26°25 | W16 |
| T 17 | 6 14 25 | 3°38'28 | 10♎56 | 24°46 | 14°16 | 17°32 | 15° 1 | 8°24 | 29°17 | 23°37 | 29° 2 | 5°29 | 6°46 | 5°12 | 26°24 | T 17 |
| F 18 | 6 18 22 | 4°39'40 | 23°46 | 26°19 | 15°28 | 17°26 | 15° 4 | 8°29 | 29°20 | 23°36 | 29° 1 | 5°28 | 6°43 | 5°19 | 26°23 | F 18 |
| S 19 | 6 22 18 | 5°40'51 | 7♏ 1 | 27°53 | 16°39 | 17°20 | 15° 7 | 8°34 | 29°23 | 23°35 | 29° 0 | 5°25 | 6°40 | 5°26 | 26°23 | S 19 |
| S 20 | 6 26 15 | 6°42'03 | 20°44 | 29°28 | 17°51 | 17°13 | 15°11 | 8°38 | 29°27 | 23°34 | 28°59 | 5°21 | 6°37 | 5°32 | 26°22 | S 20 |
| M21 | 6 30 12 | 7°43'16 | 4♐55 | 1♑ 2 | 19° 2 | 17° 5 | 15°15 | 8°43 | 29°30 | 23°33 | 28°58 | 5°16 | 6°33 | 5°39 | 26°22 | M21 |
| T 22 | 6 34 8 | 8°44'28 | 19°31 | 2°37 | 20°13 | 16°56 | 15°19 | 8°48 | 29°33 | 23°32 | 28°58 | 5°12 | 6°30 | 5°46 | 26°21 | T 22 |
| W23 | 6 38 5 | 9°45'40 | 4♑26 | 4°13 | 21°25 | 16°46 | 15°23 | 8°53 | 29°36 | 23°31 | 28°57 | 5° 9 | 6°27 | 5°52 | 26°21 | W23 |
| T 24 | 6 42 1 | 10°46'52 | 19°31 | 5°49 | 22°36 | 16°36 | 15°28 | 8°57 | 29°39 | 23°30 | 28°56 | 5° 7 | 6°24 | 5°59 | 26°21 | T 24 |
| F 25 | 6 45 58 | 11°48'03 | 4♒37 | 7°25 | 23°47 | 16°25 | 15°32 | 9° 2 | 29°42 | 23°29 | 28°55 | 5°D 6 | 6°21 | 6° 6 | 26°20 | F 25 |
| S 26 | 6 49 54 | 12°49'14 | 19°36 | 9° 2 | 24°57 | 16°13 | 15°37 | 9° 6 | 29°45 | 23°28 | 28°54 | 5° 7 | 6°17 | 6°12 | 26°20 | S 26 |
| S 27 | 6 53 51 | 13°50'24 | 4♓19 | 10°39 | 26° 8 | 16° 0 | 15°42 | 9°10 | 29°48 | 23°27 | 28°54 | 5° 8 | 6°14 | 6°19 | 26°20 | S 27 |
| M28 | 6 57 48 | 14°51'33 | 18°42 | 12°17 | 27°19 | 15°46 | 15°47 | 9°15 | 29°51 | 23°26 | 28°53 | 5° 9 | 6°11 | 6°25 | 26°D20 | M28 |
| T 29 | 7 1 44 | 15°52'42 | 2♈43 | 13°55 | 28°29 | 15°32 | 15°52 | 9°19 | 29°53 | 23°25 | 28°52 | 5°11 | 6° 8 | 6°32 | 26°20 | T 29 |
| W30 | 7 5 41 | 16°53'50 | 16°21 | 15°34 | 29°40 | 15°17 | 15°58 | 9°23 | 29°56 | 23°24 | 28°51 | 5°R11 | 6° 5 | 6°39 | 26°20 | W30 |
| T 31 | 7 9 37 | 17♑54'57 | 29♈37 | 17♑13 | 0♓50 | 15♌ 1 | 16♈ 4 | 9♏27 | 29♏59 | 23♉23 | 28♉51 | 5♒11 | 6♒ 2 | 6♌45 | 26♈20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s55 | 0n29 | 3n43 | 19s29 | 0n53 | 23s13 | 2s 3 | 18n32 | 2n57 | 4n29 | 1s24 | 11s44 | 2n16 | 19s42 | 0n10 | 17n 7 | 1s46 | 8n19 | 12s 1 | 18s46 | 18s26 | 19n49 | 9n49 | 0s33 |
| W 2 | 23 0 | 6 33 | 4 27 | 19 54 | 0 46 | 22 59 | 2 3 | 18 32 | 2 59 | 4 29 | 1 24 | 11 46 | 2 16 | 19 43 | 0 10 | 17 7 | 1 46 | 8 19 | 12 1 | 18 46 | 18 26 | 19 47 | 9 49 | 0 33 |
| T 3 | 23 6 | 12 13 | 4 55 | 20 18 | 0 38 | 22 45 | 2 3 | 18 32 | 3 2 | 4 30 | 1 23 | 11 47 | 2 16 | 19 43 | 0 10 | 17 6 | 1 46 | 8 19 | 12 1 | 18 47 | 18 27 | 19 44 | 9 48 | 0 33 |
| F 4 | 23 10 | 17 14 | 5 8 | 20 42 | 0 31 | 22 30 | 2 2 | 18 33 | 3 4 | 4 30 | 1 23 | 11 49 | 2 16 | 19 44 | 0 10 | 17 6 | 1 46 | 8 19 | 12 1 | 18 48 | 18 28 | 19 42 | 9 47 | 0 33 |
| S 5 | 23 14 | 21 23 | 5 4 | 21 5 | 0 23 | 22 14 | 2 2 | 18 34 | 3 6 | 4 31 | 1 23 | 11 51 | 2 16 | 19 45 | 0 10 | 17 6 | 1 46 | 8 19 | 12 1 | 18 50 | 18 29 | 19 39 | 9 47 | 0 33 |
| S 6 | 23 18 | 24 28 | 4 45 | 21 27 | 0 16 | 21 58 | 2 2 | 18 35 | 3 9 | 4 31 | 1 22 | 11 53 | 2 16 | 19 46 | 0 10 | 17 5 | 1 46 | 8 18 | 12 1 | 18 52 | 18 30 | 19 37 | 9 46 | 0 33 |
| M 7 | 23 21 | 26 18 | 4 13 | 21 48 | 0 9 | 21 41 | 2 1 | 18 36 | 3 11 | 4 32 | 1 22 | 11 54 | 2 17 | 19 47 | 0 10 | 17 5 | 1 46 | 8 18 | 12 1 | 18 54 | 18 31 | 19 35 | 9 46 | 0 34 |
| T 8 | 23 24 | 26 49 | 3 30 | 22 9 | 0 1 | 21 24 | 2 1 | 18 38 | 3 14 | 4 33 | 1 22 | 11 56 | 2 17 | 19 47 | 0 10 | 17 5 | 1 46 | 8 18 | 12 0 | 18 56 | 18 31 | 19 32 | 9 45 | 0 34 |
| W 9 | 23 27 | 26 2 | 2 37 | 22 28 | 0s 6 | 21 6 | 2 0 | 18 40 | 3 16 | 4 33 | 1 22 | 11 58 | 2 17 | 19 48 | 0 10 | 17 4 | 1 46 | 8 18 | 12 0 | 18 58 | 18 32 | 19 30 | 9 45 | 0 34 |
| T 10 | 23 28 | 24 2 | 1 38 | 22 46 | 0 13 | 20 48 | 1 59 | 18 42 | 3 19 | 4 34 | 1 21 | 11 59 | 2 17 | 19 49 | 0 10 | 17 4 | 1 46 | 8 18 | 12 0 | 18 59 | 18 33 | 19 27 | 9 44 | 0 34 |
| F 11 | 23 30 | 21 0 | 0 35 | 23 3 | 0 20 | 20 28 | 1 58 | 18 44 | 3 21 | 4 35 | 1 21 | 12 1 | 2 17 | 19 50 | 0 10 | 17 4 | 1 46 | 8 18 | 12 0 | 18 59 | 18 34 | 19 25 | 9 44 | 0 34 |
| S 12 | 23 31 | 17 7 | 0s29 | 23 20 | 0 26 | 20 9 | 1 57 | 18 47 | 3 24 | 4 37 | 1 21 | 12 3 | 2 17 | 19 50 | 0 10 | 17 3 | 1 46 | 8 18 | 12 0 | 18 59 | 18 35 | 19 22 | 9 43 | 0 34 |
| S 13 | 23 31 | 12 35 | 1 32 | 23 35 | 0 33 | 19 48 | 1 56 | 18 50 | 3 26 | 4 38 | 1 20 | 12 4 | 2 17 | 19 51 | 0 10 | 17 3 | 1 46 | 8 18 | 12 0 | 18 59 | 18 35 | 19 20 | 9 43 | 0 34 |
| M14 | 23 31 | 7 35 | 2 32 | 23 48 | 0 40 | 19 28 | 1 55 | 18 53 | 3 29 | 4 39 | 1 20 | 12 6 | 2 18 | 19 52 | 0 10 | 17 3 | 1 46 | 8 18 | 11 59 | 18 58 | 18 36 | 19 17 | 9 43 | 0 34 |
| T 15 | 23 31 | 2 15 | 3 25 | 24 1 | 0 46 | 19 6 | 1 54 | 18 56 | 3 31 | 4 40 | 1 20 | 12 7 | 2 18 | 19 52 | 0 10 | 17 3 | 1 46 | 8 18 | 11 59 | 18 58 | 18 37 | 19 15 | 9 42 | 0 34 |
| W16 | 23 30 | 3s14 | 4 11 | 24 13 | 0 52 | 18 45 | 1 53 | 19 0 | 3 34 | 4 42 | 1 19 | 12 9 | 2 18 | 19 53 | 0 10 | 17 2 | 1 46 | 8 18 | 11 59 | 18 58 | 18 38 | 19 12 | 9 42 | 0 34 |
| T 17 | 23 28 | 8 43 | 4 45 | 24 23 | 0 58 | 18 22 | 1 51 | 19 3 | 3 36 | 4 43 | 1 19 | 12 10 | 2 18 | 19 54 | 0 10 | 17 2 | 1 46 | 8 18 | 11 59 | 18 58 | 18 39 | 19 10 | 9 41 | 0 34 |
| F 18 | 23 26 | 14 0 | 5 7 | 24 32 | 1 4 | 18 0 | 1 49 | 19 7 | 3 38 | 4 45 | 1 19 | 12 12 | 2 18 | 19 55 | 0 10 | 17 2 | 1 46 | 8 18 | 11 59 | 18 58 | 18 39 | 19 7 | 9 41 | 0 34 |
| S 19 | 23 24 | 18 50 | 5 14 | 24 39 | 1 9 | 17 37 | 1 48 | 19 12 | 3 41 | 4 46 | 1 18 | 12 13 | 2 18 | 19 55 | 0 10 | 17 1 | 1 46 | 8 18 | 11 59 | 18 59 | 18 40 | 19 5 | 9 41 | 0 34 |
| S 20 | 23 21 | 22 51 | 5 3 | 24 46 | 1 15 | 17 13 | 1 46 | 19 16 | 3 43 | 4 48 | 1 18 | 12 15 | 2 19 | 19 56 | 0 10 | 17 1 | 1 46 | 8 18 | 11 58 | 19 0 | 18 41 | 19 3 | 9 41 | 0 34 |
| M21 | 23 18 | 25 40 | 4 33 | 24 51 | 1 20 | 16 49 | 1 44 | 19 21 | 3 46 | 4 50 | 1 18 | 12 16 | 2 19 | 19 57 | 0 10 | 17 1 | 1 46 | 8 18 | 11 58 | 19 1 | 18 42 | 19 0 | 9 40 | 0 34 |
| T 22 | 23 14 | 26 51 | 3 45 | 24 54 | 1 25 | 16 24 | 1 42 | 19 26 | 3 48 | 4 52 | 1 17 | 12 17 | 2 19 | 19 57 | 0 10 | 17 1 | 1 46 | 8 18 | 11 58 | 19 2 | 18 43 | 18 58 | 9 40 | 0 34 |
| W23 | 23 10 | 26 8 | 2 41 | 24 57 | 1 30 | 15 59 | 1 40 | 19 31 | 3 51 | 4 54 | 1 17 | 12 19 | 2 19 | 19 58 | 0 10 | 17 1 | 1 46 | 8 18 | 11 58 | 19 3 | 18 43 | 18 55 | 9 40 | 0 34 |
| T 24 | 23 5 | 23 30 | 1 25 | 24 57 | 1 34 | 15 34 | 1 38 | 19 37 | 3 53 | 4 56 | 1 17 | 12 20 | 2 19 | 19 59 | 0 10 | 17 0 | 1 45 | 8 18 | 11 58 | 19 3 | 18 44 | 18 53 | 9 40 | 0 34 |
| F 25 | 23 0 | 19 13 | 0 3 | 24 57 | 1 38 | 15 8 | 1 36 | 19 42 | 3 55 | 4 58 | 1 17 | 12 21 | 2 19 | 19 59 | 0 10 | 17 0 | 1 45 | 8 18 | 11 57 | 19 3 | 18 45 | 18 50 | 9 40 | 0 35 |
| S 26 | 22 54 | 13 44 | 1n19 | 24 55 | 1 42 | 14 42 | 1 33 | 19 48 | 3 58 | 5 0 | 1 16 | 12 22 | 2 20 | 20 0 | 0 10 | 17 0 | 1 45 | 8 18 | 11 57 | 19 3 | 18 46 | 18 48 | 9 40 | 0 35 |
| S 27 | 22 48 | 7 34 | 2 34 | 24 51 | 1 46 | 14 16 | 1 31 | 19 54 | 4 0 | 5 2 | 1 16 | 12 24 | 2 20 | 20 0 | 0 10 | 17 0 | 1 45 | 8 18 | 11 57 | 19 3 | 18 47 | 18 45 | 9 40 | 0 35 |
| M28 | 22 41 | 1 8 | 3 38 | 24 46 | 1 49 | 13 49 | 1 28 | 20 0 | 4 2 | 5 4 | 1 16 | 12 25 | 2 20 | 20 1 | 0 10 | 17 0 | 1 45 | 8 18 | 11 57 | 19 3 | 18 47 | 18 43 | 9 39 | 0 35 |
| T 29 | 22 34 | 5n10 | 4 27 | 24 39 | 1 52 | 13 22 | 1 25 | 20 7 | 4 4 | 5 7 | 1 15 | 12 26 | 2 20 | 20 2 | 0 10 | 16 59 | 1 45 | 8 18 | 11 56 | 19 2 | 18 48 | 18 40 | 9 39 | 0 35 |
| W30 | 22 27 | 11 3 | 4 59 | 24 31 | 1 55 | 12 55 | 1 22 | 20 13 | 4 6 | 5 9 | 1 15 | 12 27 | 2 20 | 20 2 | 0 10 | 16 59 | 1 45 | 8 18 | 11 56 | 19 2 | 18 49 | 18 37 | 9 39 | 0 35 |
| T 31 | 22s19 | 16n17 | 5n15 | 24s21 | 1s58 | 12s27 | 1s20 | 20n20 | 4n 8 | 5n11 | 1s15 | 12s28 | 2n21 | 20s 3 | 0n10 | 16n59 | 1s45 | 8n19 | 11s56 | 19s 2 | 18s50 | 18n35 | 9n39 | 0s35 |

Julian Day Number = 2230550.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°17'59, Lahiri = 15°24'59 Julian Calendar 1 Dec. 1394 == Greg. Calendar 9 Dec. 1394


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## JANUARY 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 13 34 | 18♑56'03 | 12♉34 | 18♑53 | 2♓ 0 | 14°R44 | 16♈10 | 9♏31 | 0♐ 2 | 23°R22 | 28°R50 | 5°R 9 | 5♒58 | 6♌52 | 26♈20 | F 1 |
| S 2 | 7 17 30 | 19°57'08 | 25°13 | 20°33 | 3°10 | 14♌27 | 16°16 | 9°35 | 0° 5 | 23♉21 | 28♉49 | 5♒ 8 | 5°55 | 6°59 | 26°21 | S 2 |
| S 3 | 7 21 27 | 20°58'13 | 7♊39 | 22°14 | 4°20 | 14° 9 | 16°22 | 9°39 | 0° 7 | 23°21 | 28°49 | 5° 5 | 5°52 | 7° 5 | 26°21 | S 3 |
| M 4 | 7 25 23 | 21°59'17 | 19°52 | 23°56 | 5°30 | 13°51 | 16°28 | 9°42 | 0°10 | 23°20 | 28°48 | 5° 3 | 5°49 | 7°12 | 26°21 | M 4 |
| T 5 | 7 29 20 | 23° 0'19 | 1♋57 | 25°38 | 6°39 | 13°32 | 16°35 | 9°46 | 0°12 | 23°19 | 28°47 | 5° 1 | 5°46 | 7°19 | 26°22 | T 5 |
| W 6 | 7 33 17 | 24° 1'21 | 13°54 | 27°20 | 7°48 | 13°12 | 16°41 | 9°49 | 0°15 | 23°19 | 28°47 | 5° 0 | 5°43 | 7°25 | 26°22 | W 6 |
| T 7 | 7 37 13 | 25° 2'23 | 25°45 | 29° 3 | 8°58 | 12°52 | 16°48 | 9°53 | 0°18 | 23°18 | 28°46 | 4°59 | 5°39 | 7°32 | 26°23 | T 7 |
| F 8 | 7 41 10 | 26° 3'23 | 7♌34 | 0♒47 | 10° 7 | 12°31 | 16°55 | 9°56 | 0°20 | 23°17 | 28°46 | 4°D59 | 5°36 | 7°39 | 26°24 | F 8 |
| S 9 | 7 45 6 | 27° 4'22 | 19°21 | 2°31 | 11°16 | 12° 9 | 17° 3 | 9°59 | 0°22 | 23°17 | 28°45 | 5° 0 | 5°33 | 7°45 | 26°24 | S 9 |
| S 10 | 7 49 3 | 28° 5'21 | 1♍10 | 4°15 | 12°24 | 11°48 | 17°10 | 10° 2 | 0°25 | 23°16 | 28°45 | 5° 0 | 5°30 | 7°52 | 26°25 | S 10 |
| M11 | 7 52 59 | 29° 6'18 | 13° 3 | 6° 0 | 13°33 | 11°26 | 17°17 | 10° 5 | 0°27 | 23°16 | 28°44 | 5° 1 | 5°27 | 7°59 | 26°26 | M11 |
| T 12 | 7 56 56 | 0♒ 7'15 | 25° 3 | 7°45 | 14°41 | 11° 3 | 17°25 | 10° 8 | 0°30 | 23°15 | 28°44 | 5° 1 | 5°23 | 8° 5 | 26°27 | T 12 |
| W13 | 8 0 52 | 1° 8'12 | 7♎14 | 9°31 | 15°49 | 10°40 | 17°33 | 10°11 | 0°32 | 23°15 | 28°43 | 5° 2 | 5°20 | 8°12 | 26°28 | W13 |
| T 14 | 8 4 49 | 2° 9'07 | 19°40 | 11°16 | 16°57 | 10°17 | 17°41 | 10°14 | 0°34 | 23°15 | 28°43 | 5° 2 | 5°17 | 8°18 | 26°29 | T 14 |
| F 15 | 8 8 46 | 3°10'01 | 2♏25 | 13° 2 | 18° 5 | 9°53 | 17°49 | 10°17 | 0°36 | 23°14 | 28°42 | 5°R 2 | 5°14 | 8°25 | 26°30 | F 15 |
| S 16 | 8 12 42 | 4°10'55 | 15°32 | 14°48 | 19°12 | 9°30 | 17°57 | 10°19 | 0°38 | 23°14 | 28°42 | 5° 2 | 5°11 | 8°32 | 26°31 | S 16 |
| S 17 | 8 16 39 | 5°11'48 | 29° 4 | 16°33 | 20°20 | 9° 6 | 18° 6 | 10°22 | 0°40 | 23°14 | 28°42 | 5°D 2 | 5° 8 | 8°38 | 26°32 | S 17 |
| M18 | 8 20 35 | 6°12'41 | 13♐ 4 | 18°18 | 21°27 | 8°42 | 18°14 | 10°24 | 0°42 | 23°13 | 28°41 | 5° 2 | 5° 4 | 8°45 | 26°33 | M18 |
| T 19 | 8 24 32 | 7°13'32 | 27°30 | 20° 2 | 22°34 | 8°18 | 18°23 | 10°26 | 0°44 | 23°13 | 28°41 | 5° 2 | 5° 1 | 8°52 | 26°34 | T 19 |
| W20 | 8 28 28 | 8°14'22 | 12♑18 | 21°45 | 23°41 | 7°54 | 18°32 | 10°29 | 0°46 | 23°13 | 28°41 | 5° 3 | 4°58 | 8°58 | 26°36 | W20 |
| T 21 | 8 32 25 | 9°15'11 | 27°24 | 23°27 | 24°47 | 7°30 | 18°41 | 10°31 | 0°48 | 23°13 | 28°40 | 5°R 3 | 4°55 | 9° 5 | 26°37 | T 21 |
| F 22 | 8 36 21 | 10°15'59 | 12♒37 | 25° 8 | 25°53 | 7° 6 | 18°50 | 10°33 | 0°50 | 23°13 | 28°40 | 5° 3 | 4°52 | 9°12 | 26°39 | F 22 |
| S 23 | 8 40 18 | 11°16'46 | 27°49 | 26°46 | 26°59 | 6°42 | 18°59 | 10°35 | 0°52 | 23°12 | 28°40 | 5° 3 | 4°49 | 9°18 | 26°40 | S 23 |
| S 24 | 8 44 15 | 12°17'31 | 12♓50 | 28°21 | 28° 5 | 6°18 | 19° 8 | 10°36 | 0°54 | 23°12 | 28°39 | 5° 2 | 4°45 | 9°25 | 26°42 | S 24 |
| M25 | 8 48 11 | 13°18'14 | 27°32 | 29°54 | 29°10 | 5°55 | 19°18 | 10°38 | 0°56 | 23°D12 | 28°39 | 5° 1 | 4°42 | 9°32 | 26°43 | M25 |
| T 26 | 8 52 8 | 14°18'56 | 11♈49 | 1♈22 | 0♈16 | 5°32 | 19°27 | 10°40 | 0°57 | 23°12 | 28°39 | 5° 0 | 4°39 | 9°38 | 26°45 | T 26 |
| W27 | 8 56 4 | 15°19'36 | 25°39 | 2°47 | 1°21 | 5° 9 | 19°37 | 10°41 | 0°59 | 23°12 | 28°39 | 4°59 | 4°36 | 9°45 | 26°47 | W27 |
| T 28 | 9 0 1 | 16°20'15 | 9♉ 2 | 4° 6 | 2°25 | 4°46 | 19°47 | 10°43 | 1° 0 | 23°13 | 28°39 | 4°58 | 4°33 | 9°51 | 26°49 | T 28 |
| F 29 | 9 3 57 | 17°20'51 | 21°59 | 5°20 | 3°29 | 4°24 | 19°57 | 10°44 | 1° 2 | 23°13 | 28°39 | 4°D58 | 4°29 | 9°58 | 26°51 | F 29 |
| S 30 | 9 7 54 | 18°21'26 | 4♊35 | 6°27 | 4°33 | 4° 2 | 20° 7 | 10°45 | 1° 3 | 23°13 | 28°39 | 4°59 | 4°26 | 10° 5 | 26°52 | S 30 |
| S 31 | 9 11 50 | 19♒21'59 | 16♊54 | 7♓27 | 5♈37 | 3♌41 | 20♈17 | 10♏46 | 1♐ 5 | 23♉13 | 28♉38 | 5♒ 0 | 4♒23 | 10♌11 | 26♈54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s11 | 20n38 | 5n14 | 24s10 | 2s 0 | 11s59 | 1s17 | 20n27 | 4n10 | 5n14 | 1s14 | 12s29 | 2n21 | 20s 3 | 0n10 | 16n59 | 1s45 | 8n19 | 11s56 | 19s 3 | 18s50 | 18n32 | 9n39 | 0s35 |
| S 2 | 22 2 | 23 56 | 4 57 | 23 57 | 2 1 | 11 31 | 1 13 | 20 34 | 4 12 | 5 17 | 1 14 | 12 30 | 2 21 | 20 4 | 0 10 | 16 59 | 1 45 | 8 19 | 11 56 | 19 3 | 18 51 | 18 30 | 9 39 | 0 35 |
| S 3 | 21 53 | 26 3 | 4 27 | 23 42 | 2 3 | 11 3 | 1 10 | 20 41 | 4 14 | 5 19 | 1 14 | 12 31 | 2 21 | 20 5 | 0 10 | 16 59 | 1 45 | 8 19 | 11 55 | 19 3 | 18 52 | 18 27 | 9 40 | 0 35 |
| M 4 | 21 43 | 26 52 | 3 45 | 23 26 | 2 4 | 10 34 | 1 7 | 20 48 | 4 16 | 5 22 | 1 14 | 12 32 | 2 21 | 20 5 | 0 10 | 16 59 | 1 45 | 8 19 | 11 55 | 19 4 | 18 53 | 18 25 | 9 40 | 0 35 |
| T 5 | 21 33 | 26 24 | 2 53 | 23 8 | 2 4 | 10 5 | 1 3 | 20 56 | 4 18 | 5 25 | 1 13 | 12 33 | 2 22 | 20 6 | 0 10 | 16 58 | 1 45 | 8 19 | 11 55 | 19 4 | 18 54 | 18 22 | 9 40 | 0 35 |
| W 6 | 21 23 | 24 41 | 1 54 | 22 48 | 2 5 | 9 36 | 1 0 | 21 3 | 4 19 | 5 27 | 1 13 | 12 34 | 2 22 | 20 6 | 0 10 | 16 58 | 1 45 | 8 19 | 11 55 | 19 5 | 18 54 | 18 20 | 9 40 | 0 35 |
| T 7 | 21 12 | 21 54 | 0 51 | 22 27 | 2 4 | 9 6 | 0 56 | 21 10 | 4 21 | 5 30 | 1 13 | 12 35 | 2 22 | 20 7 | 0 10 | 16 58 | 1 45 | 8 19 | 11 54 | 19 5 | 18 55 | 18 17 | 9 40 | 0 35 |
| F 8 | 21 0 | 18 13 | 0s14 | 22 4 | 2 4 | 8 37 | 0 53 | 21 18 | 4 22 | 5 33 | 1 12 | 12 36 | 2 22 | 20 7 | 0 10 | 16 58 | 1 45 | 8 19 | 11 54 | 19 5 | 18 56 | 18 15 | 9 40 | 0 35 |
| S 9 | 20 49 | 13 49 | 1 19 | 21 39 | 2 2 | 8 7 | 0 49 | 21 25 | 4 24 | 5 36 | 1 12 | 12 36 | 2 22 | 20 8 | 0 10 | 16 58 | 1 45 | 8 20 | 11 54 | 19 5 | 18 57 | 18 12 | 9 40 | 0 35 |
| S 10 | 20 37 | 8 54 | 2 21 | 21 13 | 2 1 | 7 37 | 0 45 | 21 33 | 4 25 | 5 39 | 1 12 | 12 37 | 2 23 | 20 8 | 0 10 | 16 58 | 1 45 | 8 20 | 11 54 | 19 5 | 18 58 | 18 9 | 9 41 | 0 35 |
| M11 | 20 24 | 3 40 | 3 16 | 20 45 | 1 58 | 7 7 | 0 41 | 21 40 | 4 26 | 5 43 | 1 12 | 12 38 | 2 23 | 20 9 | 0 10 | 16 58 | 1 44 | 8 20 | 11 53 | 19 5 | 18 58 | 18 7 | 9 41 | 0 35 |
| T 12 | 20 12 | 1s46 | 4 4 | 20 15 | 1 56 | 6 37 | 0 37 | 21 48 | 4 27 | 5 46 | 1 11 | 12 39 | 2 23 | 20 9 | 0 10 | 16 58 | 1 44 | 8 20 | 11 53 | 19 4 | 18 59 | 18 4 | 9 41 | 0 35 |
| W13 | 19 58 | 7 11 | 4 42 | 19 44 | 1 52 | 6 7 | 0 33 | 21 55 | 4 28 | 5 49 | 1 11 | 12 39 | 2 23 | 20 10 | 0 10 | 16 58 | 1 44 | 8 20 | 11 53 | 19 4 | 19 0 | 18 2 | 9 41 | 0 35 |
| T 14 | 19 45 | 12 27 | 5 7 | 19 11 | 1 48 | 5 36 | 0 28 | 22 2 | 4 29 | 5 52 | 1 11 | 12 40 | 2 23 | 20 10 | 0 10 | 16 58 | 1 44 | 8 20 | 11 53 | 19 4 | 19 1 | 17 59 | 9 42 | 0 36 |
| F 15 | 19 31 | 17 19 | 5 18 | 18 37 | 1 44 | 5 6 | 0 24 | 22 9 | 4 30 | 5 56 | 1 11 | 12 41 | 2 24 | 20 11 | 0 10 | 16 58 | 1 44 | 8 21 | 11 52 | 19 4 | 19 1 | 17 57 | 9 42 | 0 36 |
| S 16 | 19 17 | 21 32 | 5 13 | 18 1 | 1 38 | 4 35 | 0 19 | 22 17 | 4 31 | 5 59 | 1 10 | 12 41 | 2 24 | 20 11 | 0 10 | 16 58 | 1 44 | 8 21 | 11 52 | 19 4 | 19 2 | 17 54 | 9 42 | 0 36 |
| S 17 | 19 2 | 24 45 | 4 51 | 17 24 | 1 33 | 4 4 | 0 15 | 22 24 | 4 31 | 6 2 | 1 10 | 12 42 | 2 24 | 20 12 | 0 10 | 16 58 | 1 44 | 8 21 | 11 52 | 19 4 | 19 3 | 17 51 | 9 43 | 0 36 |
| M18 | 18 47 | 26 35 | 4 11 | 16 45 | 1 26 | 3 34 | 0 10 | 22 31 | 4 32 | 6 6 | 1 10 | 12 42 | 2 24 | 20 12 | 0 10 | 16 58 | 1 44 | 8 21 | 11 51 | 19 4 | 19 4 | 17 49 | 9 43 | 0 36 |
| T 19 | 18 32 | 26 44 | 3 14 | 16 6 | 1 19 | 3 3 | 0 6 | 22 37 | 4 32 | 6 9 | 1 10 | 12 43 | 2 25 | 20 12 | 0 10 | 16 58 | 1 44 | 8 21 | 11 51 | 19 4 | 19 5 | 17 46 | 9 44 | 0 36 |
| W20 | 18 16 | 25 0 | 2 3 | 15 25 | 1 10 | 2 32 | 0 1 | 22 44 | 4 32 | 6 13 | 1 9 | 12 43 | 2 25 | 20 13 | 0 10 | 16 58 | 1 44 | 8 21 | 11 51 | 19 4 | 19 5 | 17 44 | 9 44 | 0 36 |
| T 21 | 18 0 | 21 27 | 0 42 | 14 43 | 1 2 | 2 1 | 0n 4 | 22 51 | 4 32 | 6 17 | 1 9 | 12 44 | 2 25 | 20 13 | 0 10 | 16 58 | 1 44 | 8 22 | 11 51 | 19 4 | 19 6 | 17 41 | 9 45 | 0 36 |
| F 22 | 17 44 | 16 24 | 0n42 | 14 0 | 0 52 | 1 30 | 0 9 | 22 57 | 4 33 | 6 20 | 1 9 | 12 44 | 2 25 | 20 14 | 0 10 | 16 58 | 1 44 | 8 22 | 11 50 | 19 4 | 19 7 | 17 38 | 9 45 | 0 36 |
| S 23 | 17 27 | 10 20 | 2 3 | 13 17 | 0 42 | 0 59 | 0 14 | 23 3 | 4 32 | 6 24 | 1 9 | 12 45 | 2 25 | 20 14 | 0 10 | 16 58 | 1 44 | 8 22 | 11 50 | 19 4 | 19 8 | 17 36 | 9 46 | 0 36 |
| S 24 | 17 10 | 3 46 | 3 15 | 12 34 | 0 31 | 0 28 | 0 19 | 23 9 | 4 32 | 6 28 | 1 8 | 12 45 | 2 26 | 20 14 | 0 10 | 16 58 | 1 44 | 8 22 | 11 50 | 19 4 | 19 8 | 17 33 | 9 46 | 0 36 |
| M25 | 16 53 | 2n52 | 4 12 | 11 50 | 0 19 | 0n 3 | 0 25 | 23 15 | 4 32 | 6 32 | 1 8 | 12 45 | 2 26 | 20 15 | 0 10 | 16 58 | 1 44 | 8 23 | 11 50 | 19 5 | 19 9 | 17 31 | 9 47 | 0 36 |
| T 26 | 16 35 | 9 10 | 4 52 | 11 7 | 0 6 | 0 34 | 0 30 | 23 20 | 4 32 | 6 36 | 1 8 | 12 45 | 2 26 | 20 15 | 0 10 | 16 58 | 1 44 | 8 23 | 11 49 | 19 5 | 19 10 | 17 28 | 9 47 | 0 36 |
| W27 | 16 18 | 14 48 | 5 13 | 10 24 | 0n 7 | 1 4 | 0 35 | 23 25 | 4 31 | 6 39 | 1 8 | 12 46 | 2 26 | 20 15 | 0 10 | 16 58 | 1 43 | 8 23 | 11 49 | 19 5 | 19 11 | 17 25 | 9 48 | 0 36 |
| T 28 | 16 0 | 19 33 | 5 17 | 9 42 | 0 21 | 1 35 | 0 41 | 23 30 | 4 30 | 6 43 | 1 7 | 12 46 | 2 27 | 20 16 | 0 10 | 16 58 | 1 43 | 8 23 | 11 49 | 19 5 | 19 11 | 17 23 | 9 48 | 0 36 |
| F 29 | 15 41 | 23 13 | 5 4 | 9 2 | 0 36 | 2 6 | 0 46 | 23 35 | 4 30 | 6 47 | 1 7 | 12 46 | 2 27 | 20 16 | 0 10 | 16 58 | 1 43 | 8 24 | 11 48 | 19 5 | 19 12 | 17 20 | 9 49 | 0 36 |
| S 30 | 15 23 | 25 39 | 4 36 | 8 23 | 0 51 | 2 36 | 0 52 | 23 40 | 4 29 | 6 51 | 1 7 | 12 46 | 2 27 | 20 16 | 0 10 | 16 58 | 1 43 | 8 24 | 11 48 | 19 5 | 19 13 | 17 17 | 9 50 | 0 36 |
| S 31 | 15s 4 | 26n48 | 3n57 | 7s47 | 1n 6 | 3n 7 | 0n57 | 23n44 | 4n28 | 6n55 | 1s 7 | 12s46 | 2n27 | 20s17 | 0n10 | 16n58 | 1s43 | 8n24 | 11s48 | 19s 5 | 19s14 | 17n15 | 9n50 | 0s36 |

Julian Day Number = 2230581.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'03, Lahiri = 15°25'03 Julian Calendar 1 Jan. 1395 == Greg. Calendar 9 Jan. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## FEBRUARY 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 15 47 | 20♒22'31 | 28♊59 | 8♓20 | 6♈40 | 3°R20 | 20♈28 | 10♏47 | 1♐ 6 | 23♉13 | 28°R38 | 5♒ 1 | 4♒20 | 10♌18 | 26♈56 | M 1 |
| T 2 | 9 19 44 | 21°23'00 | 10♋54 | 9° 4 | 7°43 | 3♌ 0 | 20°38 | 10°48 | 1° 7 | 23°13 | 28♉38 | 5° 3 | 4°17 | 10°25 | 26°58 | T 2 |
| W 3 | 9 23 40 | 22°23'28 | 22°44 | 9°39 | 8°46 | 2°40 | 20°49 | 10°49 | 1° 9 | 23°14 | 28°D38 | 5° 4 | 4°14 | 10°31 | 27° 1 | W 3 |
| T 4 | 9 27 37 | 23°23'54 | 4♌31 | 10° 5 | 9°48 | 2°21 | 20°59 | 10°49 | 1°10 | 23°14 | 28°38 | 5°R 4 | 4°10 | 10°38 | 27° 3 | T 4 |
| F 5 | 9 31 33 | 24°24'18 | 16°19 | 10°20 | 10°50 | 2° 3 | 21°10 | 10°50 | 1°11 | 23°14 | 28°38 | 5° 4 | 4° 7 | 10°45 | 27° 5 | F 5 |
| S 6 | 9 35 30 | 25°24'40 | 28° 9 | 10°R26 | 11°52 | 1°45 | 21°21 | 10°50 | 1°12 | 23°15 | 28°38 | 5° 2 | 4° 4 | 10°51 | 27° 7 | S 6 |
| S 7 | 9 39 26 | 26°25'01 | 10♍ 4 | 10°22 | 12°53 | 1°28 | 21°32 | 10°51 | 1°13 | 23°15 | 28°39 | 5° 0 | 4° 1 | 10°58 | 27°10 | S 7 |
| M 8 | 9 43 23 | 27°25'20 | 22° 5 | 10° 8 | 13°53 | 1°11 | 21°43 | 10°51 | 1°14 | 23°16 | 28°39 | 4°56 | 3°58 | 11° 5 | 27°12 | M 8 |
| T 9 | 9 47 19 | 28°25'37 | 4♎14 | 9°45 | 14°54 | 0°55 | 21°54 | 10°51 | 1°15 | 23°16 | 28°39 | 4°52 | 3°54 | 11°11 | 27°14 | T 9 |
| W10 | 9 51 16 | 29°25'53 | 16°34 | 9°12 | 15°54 | 0°40 | 22° 5 | 10°R51 | 1°16 | 23°17 | 28°39 | 4°48 | 3°51 | 11°18 | 27°17 | W10 |
| T 11 | 9 55 13 | 0♓26'07 | 29° 7 | 8°32 | 16°53 | 0°26 | 22°17 | 10°51 | 1°17 | 23°17 | 28°39 | 4°45 | 3°48 | 11°25 | 27°19 | T 11 |
| F 12 | 9 59 9 | 1°26'20 | 11♏54 | 7°45 | 17°52 | 0°12 | 22°28 | 10°51 | 1°18 | 23°18 | 28°39 | 4°42 | 3°45 | 11°31 | 27°22 | F 12 |
| S 13 | 10 3 6 | 2°26'31 | 24°59 | 6°52 | 18°50 | 29♋59 | 22°40 | 10°51 | 1°18 | 23°19 | 28°39 | 4°41 | 3°42 | 11°38 | 27°25 | S 13 |
| S 14 | 10 7 2 | 3°26'41 | 8♐23 | 5°55 | 19°48 | 29°47 | 22°51 | 10°51 | 1°19 | 23°19 | 28°40 | 4°D41 | 3°39 | 11°44 | 27°27 | S 14 |
| M15 | 10 10 59 | 4°26'49 | 22°10 | 4°55 | 20°46 | 29°36 | 23° 3 | 10°50 | 1°20 | 23°20 | 28°40 | 4°41 | 3°35 | 11°51 | 27°30 | M15 |
| T 16 | 10 14 55 | 5°26'55 | 6♑19 | 3°53 | 21°42 | 29°25 | 23°15 | 10°50 | 1°20 | 23°21 | 28°40 | 4°43 | 3°32 | 11°58 | 27°33 | T 16 |
| W17 | 10 18 52 | 6°27'00 | 20°49 | 2°51 | 22°39 | 29°15 | 23°27 | 10°49 | 1°21 | 23°21 | 28°40 | 4°44 | 3°29 | 12° 4 | 27°35 | W17 |
| T 18 | 10 22 48 | 7°27'04 | 5♒38 | 1°51 | 23°34 | 29° 6 | 23°39 | 10°48 | 1°21 | 23°22 | 28°41 | 4°R45 | 3°26 | 12°11 | 27°38 | T 18 |
| F 19 | 10 26 45 | 8°27'05 | 20°40 | 0°53 | 24°30 | 28°58 | 23°51 | 10°47 | 1°22 | 23°23 | 28°41 | 4°44 | 3°23 | 12°18 | 27°41 | F 19 |
| S 20 | 10 30 42 | 9°27'05 | 5♓47 | 29♒59 | 25°24 | 28°50 | 24° 3 | 10°46 | 1°22 | 23°24 | 28°41 | 4°41 | 3°20 | 12°24 | 27°44 | S 20 |
| S 21 | 10 34 38 | 10°27'02 | 20°48 | 29°10 | 26°18 | 28°44 | 24°15 | 10°45 | 1°22 | 23°25 | 28°42 | 4°37 | 3°16 | 12°31 | 27°47 | S 21 |
| M22 | 10 38 35 | 11°26'58 | 5♈36 | 28°26 | 27°11 | 28°38 | 24°27 | 10°44 | 1°23 | 23°26 | 28°42 | 4°32 | 3°13 | 12°38 | 27°50 | M22 |
| T 23 | 10 42 31 | 12°26'52 | 20° 3 | 27°48 | 28° 4 | 28°33 | 24°40 | 10°43 | 1°23 | 23°27 | 28°43 | 4°26 | 3°10 | 12°44 | 27°53 | T 23 |
| W24 | 10 46 28 | 13°26'43 | 4♉ 3 | 27°16 | 28°56 | 28°29 | 24°52 | 10°41 | 1°23 | 23°28 | 28°43 | 4°20 | 3° 7 | 12°51 | 27°56 | W24 |
| T 25 | 10 50 24 | 14°26'32 | 17°35 | 26°51 | 29°47 | 28°25 | 25° 5 | 10°40 | 1°23 | 23°29 | 28°44 | 4°16 | 3° 4 | 12°58 | 27°59 | T 25 |
| F 26 | 10 54 21 | 15°26'19 | 0♊39 | 26°32 | 0♉38 | 28°22 | 25°17 | 10°38 | 1°R23 | 23°30 | 28°44 | 4°13 | 3° 0 | 13° 4 | 28° 2 | F 26 |
| S 27 | 10 58 17 | 16°26'04 | 13°18 | 26°19 | 1°27 | 28°20 | 25°30 | 10°37 | 1°23 | 23°31 | 28°45 | 4°D11 | 2°57 | 13°11 | 28° 6 | S 27 |
| S 28 | 11 2 14 | 17♓25'46 | 25♊37 | 26♒13 | 2♉16 | 28♋19 | 25♈43 | 10♏35 | 1♐23 | 23♉32 | 28♉45 | 4♒12 | 2♒54 | 13♌18 | 28♈ 9 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14s45 | 26n38 | 3n 7 | 7s13 | 1n22 | 3n37 | 1n 3 | 23n48 | 4n27 | 7n 0 | 1s 6 | 12s46 | 2n27 | 20s17 | 0n10 | 16n59 | 1s43 | 8n24 | 11s48 | 19s 4 | 19s14 | 17n12 | 9n51 | 0s36 |
| T 2 | 14 25 | 25 14 | 2 10 | 6 42 | 1 37 | 4 8 | 1 9 | 23 52 | 4 26 | 7 4 | 1 6 | 12 47 | 2 28 | 20 17 | 0 10 | 16 59 | 1 43 | 8 25 | 11 47 | 19 4 | 19 15 | 17 9 | 9 52 | 0 36 |
| W 3 | 14 6 | 22 43 | 1 8 | 6 14 | 1 53 | 4 38 | 1 15 | 23 55 | 4 25 | 7 8 | 1 6 | 12 47 | 2 28 | 20 17 | 0 10 | 16 59 | 1 43 | 8 25 | 11 47 | 19 4 | 19 16 | 17 7 | 9 52 | 0 37 |
| T 4 | 13 46 | 19 15 | 0 3 | 5 50 | 2 9 | 5 8 | 1 20 | 23 59 | 4 24 | 7 12 | 1 6 | 12 47 | 2 28 | 20 18 | 0 10 | 16 59 | 1 43 | 8 25 | 11 47 | 19 4 | 19 17 | 17 4 | 9 53 | 0 37 |
| F 5 | 13 26 | 15 1 | 1s 2 | 5 30 | 2 24 | 5 38 | 1 26 | 24 2 | 4 22 | 7 16 | 1 6 | 12 46 | 2 28 | 20 18 | 0 10 | 16 59 | 1 43 | 8 25 | 11 46 | 19 4 | 19 17 | 17 2 | 9 54 | 0 37 |
| S 6 | 13 6 | 10 13 | 2 4 | 5 14 | 2 38 | 6 7 | 1 32 | 24 4 | 4 21 | 7 21 | 1 5 | 12 46 | 2 29 | 20 18 | 0 10 | 16 59 | 1 43 | 8 26 | 11 46 | 19 4 | 19 18 | 16 59 | 9 55 | 0 37 |
| S 7 | 12 45 | 5 1 | 3 1 | 5 3 | 2 52 | 6 37 | 1 38 | 24 7 | 4 19 | 7 25 | 1 5 | 12 46 | 2 29 | 20 18 | 0 10 | 16 59 | 1 43 | 8 26 | 11 46 | 19 5 | 19 19 | 16 56 | 9 55 | 0 37 |
| M 8 | 12 24 | 0s23 | 3 51 | 4 57 | 3 4 | 7 6 | 1 45 | 24 9 | 4 18 | 7 29 | 1 5 | 12 46 | 2 29 | 20 19 | 0 10 | 17 0 | 1 43 | 8 26 | 11 46 | 19 6 | 19 20 | 16 54 | 9 56 | 0 37 |
| T 9 | 12 4 | 5 50 | 4 31 | 4 55 | 3 15 | 7 35 | 1 51 | 24 11 | 4 16 | 7 34 | 1 5 | 12 46 | 2 29 | 20 19 | 0 10 | 17 0 | 1 43 | 8 27 | 11 45 | 19 7 | 19 20 | 16 51 | 9 57 | 0 37 |
| W10 | 11 43 | 11 7 | 4 59 | 4 59 | 3 25 | 8 4 | 1 57 | 24 13 | 4 15 | 7 38 | 1 5 | 12 46 | 2 30 | 20 19 | 0 10 | 17 0 | 1 43 | 8 27 | 11 45 | 19 8 | 19 21 | 16 48 | 9 58 | 0 37 |
| T 11 | 11 21 | 16 3 | 5 13 | 5 6 | 3 33 | 8 33 | 2 3 | 24 14 | 4 13 | 7 42 | 1 4 | 12 46 | 2 30 | 20 19 | 0 10 | 17 0 | 1 43 | 8 27 | 11 45 | 19 8 | 19 22 | 16 46 | 9 59 | 0 37 |
| F 12 | 11 0 | 20 23 | 5 12 | 5 18 | 3 39 | 9 1 | 2 9 | 24 16 | 4 11 | 7 47 | 1 4 | 12 45 | 2 30 | 20 19 | 0 10 | 17 0 | 1 42 | 8 28 | 11 44 | 19 9 | 19 23 | 16 43 | 10 0 | 0 37 |
| S 13 | 10 38 | 23 50 | 4 55 | 5 34 | 3 43 | 9 30 | 2 16 | 24 17 | 4 9 | 7 51 | 1 4 | 12 45 | 2 30 | 20 19 | 0 10 | 17 1 | 1 42 | 8 28 | 11 44 | 19 9 | 19 23 | 16 40 | 10 1 | 0 37 |
| S 14 | 10 17 | 26 5 | 4 22 | 5 54 | 3 44 | 9 58 | 2 22 | 24 18 | 4 7 | 7 56 | 1 4 | 12 45 | 2 30 | 20 20 | 0 10 | 17 1 | 1 42 | 8 28 | 11 44 | 19 9 | 19 24 | 16 38 | 10 1 | 0 37 |
| M15 | 9 55 | 26 49 | 3 33 | 6 16 | 3 44 | 10 25 | 2 29 | 24 18 | 4 6 | 8 0 | 1 4 | 12 44 | 2 31 | 20 20 | 0 10 | 17 1 | 1 42 | 8 29 | 11 44 | 19 9 | 19 25 | 16 35 | 10 2 | 0 37 |
| T 16 | 9 33 | 25 52 | 2 30 | 6 41 | 3 42 | 10 53 | 2 35 | 24 19 | 4 4 | 8 5 | 1 3 | 12 44 | 2 31 | 20 20 | 0 10 | 17 1 | 1 42 | 8 29 | 11 43 | 19 9 | 19 26 | 16 32 | 10 3 | 0 37 |
| W17 | 9 10 | 23 9 | 1 16 | 7 7 | 3 37 | 11 20 | 2 41 | 24 19 | 4 2 | 8 9 | 1 3 | 12 44 | 2 31 | 20 20 | 0 10 | 17 2 | 1 42 | 8 29 | 11 43 | 19 9 | 19 26 | 16 29 | 10 4 | 0 37 |
| T 18 | 8 48 | 18 51 | 0n 5 | 7 35 | 3 30 | 11 47 | 2 48 | 24 19 | 4 0 | 8 14 | 1 3 | 12 43 | 2 31 | 20 20 | 0 10 | 17 2 | 1 42 | 8 30 | 11 43 | 19 8 | 19 27 | 16 27 | 10 5 | 0 37 |
| F 19 | 8 26 | 13 17 | 1 26 | 8 3 | 3 22 | 12 13 | 2 54 | 24 18 | 3 58 | 8 19 | 1 3 | 12 43 | 2 32 | 20 20 | 0 10 | 17 2 | 1 42 | 8 30 | 11 42 | 19 9 | 19 28 | 16 24 | 10 6 | 0 37 |
| S 20 | 8 3 | 6 55 | 2 41 | 8 31 | 3 12 | 12 40 | 3 1 | 24 18 | 3 56 | 8 23 | 1 3 | 12 42 | 2 32 | 20 20 | 0 10 | 17 2 | 1 42 | 8 30 | 11 42 | 19 9 | 19 29 | 16 21 | 10 7 | 0 37 |
| S 21 | 7 40 | 0 12 | 3 45 | 8 58 | 3 1 | 13 6 | 3 7 | 24 17 | 3 53 | 8 28 | 1 2 | 12 42 | 2 32 | 20 20 | 0 10 | 17 3 | 1 42 | 8 31 | 11 42 | 19 10 | 19 29 | 16 19 | 10 8 | 0 37 |
| M22 | 7 18 | 6n24 | 4 33 | 9 25 | 2 49 | 13 31 | 3 14 | 24 17 | 3 51 | 8 33 | 1 2 | 12 41 | 2 32 | 20 20 | 0 10 | 17 3 | 1 42 | 8 31 | 11 42 | 19 12 | 19 30 | 16 16 | 10 9 | 0 38 |
| T 23 | 6 55 | 12 30 | 5 1 | 9 50 | 2 36 | 13 56 | 3 20 | 24 16 | 3 49 | 8 37 | 1 2 | 12 40 | 2 32 | 20 20 | 0 10 | 17 3 | 1 42 | 8 31 | 11 41 | 19 13 | 19 31 | 16 13 | 10 10 | 0 38 |
| W24 | 6 32 | 17 47 | 5 11 | 10 14 | 2 22 | 14 21 | 3 27 | 24 14 | 3 47 | 8 42 | 1 2 | 12 40 | 2 33 | 20 20 | 0 10 | 17 4 | 1 42 | 8 32 | 11 41 | 19 14 | 19 32 | 16 11 | 10 11 | 0 38 |
| T 25 | 6 9 | 21 58 | 5 3 | 10 36 | 2 8 | 14 46 | 3 34 | 24 13 | 3 45 | 8 47 | 1 2 | 12 39 | 2 33 | 20 20 | 0 10 | 17 4 | 1 42 | 8 32 | 11 41 | 19 15 | 19 32 | 16 8 | 10 12 | 0 38 |
| F 26 | 5 45 | 24 54 | 4 39 | 10 56 | 1 54 | 15 10 | 3 40 | 24 11 | 3 43 | 8 52 | 1 2 | 12 39 | 2 33 | 20 20 | 0 10 | 17 4 | 1 42 | 8 32 | 11 40 | 19 16 | 19 33 | 16 5 | 10 13 | 0 38 |
| S 27 | 5 22 | 26 28 | 4 2 | 11 14 | 1 39 | 15 33 | 3 47 | 24 10 | 3 41 | 8 56 | 1 1 | 12 38 | 2 33 | 20 20 | 0 10 | 17 4 | 1 42 | 8 33 | 11 40 | 19 16 | 19 34 | 16 2 | 10 15 | 0 38 |
| S 28 | 4s59 | 26n41 | 3n14 | 11s30 | 1n25 | 15n57 | 3n53 | 24n 8 | 3n38 | 9n 1 | 1s 1 | 12s37 | 2n33 | 20s20 | 0n10 | 17n 5 | 1s42 | 8n33 | 11s40 | 19s16 | 19s35 | 16n 0 | 10n16 | 0s38 |

Julian Day Number = 2230612.5, Delta T = 08m01s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'07, Lahiri = 15°25'08 Julian Calendar 1 Feb. 1395 == Greg. Calendar 9 Feb. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## MARCH 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 6 11 | 18♓25'26 | 7♋40 | 26°D13 | 3♉ 4 | 28°D19 | 25♈55 | 10°R33 | 1°R23 | 23♉33 | 28♉46 | 4♒13 | 2♒51 | 13♌24 | 28♈12 | M 1 |
| T 2 | 11 10 7 | 19°25'04 | 19°33 | 26♒18 | 3°51 | 28♋19 | 26° 8 | 10♏31 | 1♐23 | 23°34 | 28°46 | 4°14 | 2°48 | 13°31 | 28°15 | T 2 |
| W 3 | 11 14 4 | 20°24'40 | 1♌21 | 26°30 | 4°37 | 28°20 | 26°21 | 10°29 | 1°23 | 23°35 | 28°47 | 4°R15 | 2°45 | 13°37 | 28°19 | W 3 |
| T 4 | 11 18 0 | 21°24'13 | 13° 7 | 26°46 | 5°22 | 28°22 | 26°34 | 10°27 | 1°22 | 23°37 | 28°47 | 4°15 | 2°41 | 13°44 | 28°22 | T 4 |
| F 5 | 11 21 57 | 22°23'44 | 24°56 | 27° 8 | 6° 6 | 28°24 | 26°47 | 10°25 | 1°22 | 23°38 | 28°48 | 4°13 | 2°38 | 13°51 | 28°25 | F 5 |
| S 6 | 11 25 53 | 23°23'13 | 6♍51 | 27°35 | 6°50 | 28°28 | 27° 0 | 10°23 | 1°22 | 23°39 | 28°49 | 4° 8 | 2°35 | 13°57 | 28°29 | S 6 |
| S 7 | 11 29 50 | 24°22'40 | 18°55 | 28° 6 | 7°32 | 28°31 | 27°13 | 10°20 | 1°21 | 23°40 | 28°49 | 4° 1 | 2°32 | 14° 4 | 28°32 | S 7 |
| M 8 | 11 33 46 | 25°22'04 | 1♎ 8 | 28°41 | 8°13 | 28°36 | 27°27 | 10°18 | 1°21 | 23°42 | 28°50 | 3°53 | 2°29 | 14°11 | 28°36 | M 8 |
| T 9 | 11 37 43 | 26°21'27 | 13°32 | 29°21 | 8°52 | 28°41 | 27°40 | 10°15 | 1°20 | 23°43 | 28°51 | 3°43 | 2°26 | 14°17 | 28°39 | T 9 |
| W10 | 11 41 39 | 27°20'47 | 26° 8 | 0♓ 4 | 9°31 | 28°47 | 27°53 | 10°13 | 1°20 | 23°45 | 28°51 | 3°33 | 2°22 | 14°24 | 28°43 | W10 |
| T 11 | 11 45 36 | 28°20'06 | 8♏56 | 0°51 | 10° 8 | 28°53 | 28° 6 | 10°10 | 1°19 | 23°46 | 28°52 | 3°24 | 2°19 | 14°31 | 28°46 | T 11 |
| F 12 | 11 49 33 | 29°19'23 | 21°56 | 1°41 | 10°44 | 29° 0 | 28°20 | 10° 7 | 1°18 | 23°47 | 28°53 | 3°16 | 2°16 | 14°37 | 28°50 | F 12 |
| S 13 | 11 53 29 | 0♈18'38 | 5♐ 9 | 2°35 | 11°19 | 29° 8 | 28°33 | 10° 4 | 1°17 | 23°49 | 28°54 | 3°11 | 2°13 | 14°44 | 28°53 | S 13 |
| S 14 | 11 57 26 | 1°17'51 | 18°35 | 3°31 | 11°52 | 29°16 | 28°47 | 10° 1 | 1°17 | 23°50 | 28°54 | 3° 8 | 2°10 | 14°51 | 28°57 | S 14 |
| M15 | 12 1 22 | 2°17'02 | 2♑17 | 4°31 | 12°24 | 29°25 | 29° 0 | 9°58 | 1°16 | 23°52 | 28°55 | 3°D 8 | 2° 6 | 14°57 | 29° 1 | M15 |
| T 16 | 12 5 19 | 3°16'12 | 16°15 | 5°33 | 12°55 | 29°35 | 29°14 | 9°55 | 1°15 | 23°53 | 28°56 | 3° 8 | 2° 3 | 15° 4 | 29° 4 | T 16 |
| W17 | 12 9 15 | 4°15'20 | 0♒28 | 6°37 | 13°24 | 29°45 | 29°27 | 9°52 | 1°14 | 23°55 | 28°57 | 3°R 9 | 2° 0 | 15°11 | 29° 8 | W17 |
| T 18 | 12 13 12 | 5°14'26 | 14°56 | 7°44 | 13°51 | 29°56 | 29°41 | 9°49 | 1°13 | 23°57 | 28°58 | 3° 8 | 1°57 | 15°17 | 29°12 | T 18 |
| F 19 | 12 17 9 | 6°13'30 | 29°35 | 8°54 | 14°16 | 0♌ 7 | 29°55 | 9°46 | 1°12 | 23°58 | 28°59 | 3° 5 | 1°54 | 15°24 | 29°16 | F 19 |
| S 20 | 12 21 5 | 7°12'33 | 14♓21 | 10° 5 | 14°40 | 0°18 | 0♉ 9 | 9°42 | 1°11 | 24° 0 | 29° 0 | 3° 0 | 1°51 | 15°30 | 29°19 | S 20 |
| S 21 | 12 25 2 | 8°11'33 | 29° 6 | 11°19 | 15° 2 | 0°31 | 0°22 | 9°39 | 1°10 | 24° 2 | 29° 0 | 2°53 | 1°47 | 15°37 | 29°23 | S 21 |
| M22 | 12 28 58 | 9°10'31 | 13♈43 | 12°35 | 15°23 | 0°44 | 0°36 | 9°35 | 1° 9 | 24° 3 | 29° 1 | 2°43 | 1°44 | 15°44 | 29°27 | M22 |
| T 23 | 12 32 55 | 10° 9'28 | 28° 4 | 13°53 | 15°41 | 0°57 | 0°50 | 9°32 | 1° 7 | 24° 5 | 29° 2 | 2°32 | 1°41 | 15°50 | 29°31 | T 23 |
| W24 | 12 36 51 | 11° 8'22 | 12♉ 3 | 15°13 | 15°57 | 1°11 | 1° 4 | 9°28 | 1° 6 | 24° 7 | 29° 3 | 2°22 | 1°38 | 15°57 | 29°35 | W24 |
| T 25 | 12 40 48 | 12° 7'14 | 25°36 | 16°35 | 16°12 | 1°25 | 1°18 | 9°24 | 1° 5 | 24° 8 | 29° 4 | 2°13 | 1°35 | 16° 4 | 29°39 | T 25 |
| F 26 | 12 44 44 | 13° 6'04 | 8♊43 | 17°58 | 16°24 | 1°40 | 1°32 | 9°21 | 1° 3 | 24°10 | 29° 5 | 2° 6 | 1°31 | 16°10 | 29°42 | F 26 |
| S 27 | 12 48 41 | 14° 4'51 | 21°26 | 19°24 | 16°34 | 1°55 | 1°46 | 9°17 | 1° 2 | 24°12 | 29° 6 | 2° 1 | 1°28 | 16°17 | 29°46 | S 27 |
| S 28 | 12 52 37 | 15° 3'37 | 3♋47 | 20°51 | 16°42 | 2°11 | 2° 0 | 9°13 | 1° 1 | 24°14 | 29° 7 | 1°59 | 1°25 | 16°24 | 29°50 | S 28 |
| M29 | 12 56 34 | 16° 2'20 | 15°52 | 22°20 | 16°47 | 2°27 | 2°14 | 9° 9 | 0°59 | 24°16 | 29° 8 | 1°D58 | 1°22 | 16°30 | 29°54 | M29 |
| T 30 | 13 0 31 | 17° 1'01 | 27°46 | 23°51 | 16°51 | 2°44 | 2°28 | 9° 5 | 0°58 | 24°18 | 29° 9 | 1°R58 | 1°19 | 16°37 | 29°58 | T 30 |
| W31 | 13 4 27 | 17♈59'39 | 9♌34 | 25♓23 | 16°R51 | 3♌ 1 | 2♉42 | 9♏ 1 | 0♐56 | 24♉19 | 29♉10 | 1♒58 | 1♒16 | 16♌44 | 0♉ 2 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s36 | 25n37 | 2n19 | 11s43 | 1n10 | 16n19 | 4n 0 | 24n 6 | 3n36 | 9n 6 | 1s 1 | 12s36 | 2n34 | 20s20 | 0n10 | 17n 5 | 1s41 | 8n34 | 11s40 | 19s16 | 19s35 | 15n57 | 10n17 | 0s38 |
| T 2 | 4 12 | 23 23 | 1 19 | 11 55 | 0 56 | 16 42 | 4 6 | 24 4 | 3 34 | 9 11 | 1 1 | 12 36 | 2 34 | 20 20 | 0 10 | 17 5 | 1 41 | 8 34 | 11 39 | 19 16 | 19 36 | 15 54 | 10 18 | 0 38 |
| W 3 | 3 49 | 20 11 | 0 16 | 12 4 | 0 42 | 17 4 | 4 13 | 24 1 | 3 32 | 9 15 | 1 1 | 12 35 | 2 34 | 20 20 | 0 10 | 17 6 | 1 41 | 8 34 | 11 39 | 19 16 | 19 37 | 15 51 | 10 19 | 0 38 |
| T 4 | 3 25 | 16 10 | 0s48 | 12 11 | 0 28 | 17 25 | 4 19 | 23 59 | 3 30 | 9 20 | 1 1 | 12 34 | 2 34 | 20 20 | 0 10 | 17 6 | 1 41 | 8 35 | 11 39 | 19 16 | 19 37 | 15 49 | 10 20 | 0 38 |
| F 5 | 3 2 | 11 32 | 1 49 | 12 16 | 0 15 | 17 46 | 4 25 | 23 56 | 3 28 | 9 25 | 1 1 | 12 33 | 2 34 | 20 20 | 0 10 | 17 7 | 1 41 | 8 35 | 11 39 | 19 16 | 19 38 | 15 46 | 10 21 | 0 38 |
| S 6 | 2 38 | 6 27 | 2 47 | 12 19 | 0 2 | 18 7 | 4 32 | 23 53 | 3 25 | 9 30 | 1 0 | 12 32 | 2 35 | 20 20 | 0 10 | 17 7 | 1 41 | 8 35 | 11 38 | 19 17 | 19 39 | 15 43 | 10 22 | 0 38 |
| S 7 | 2 14 | 1 5 | 3 37 | 12 20 | 0s10 | 18 26 | 4 38 | 23 50 | 3 23 | 9 35 | 1 0 | 12 31 | 2 35 | 20 20 | 0 10 | 17 7 | 1 41 | 8 36 | 11 38 | 19 19 | 19 40 | 15 40 | 10 24 | 0 38 |
| M 8 | 1 51 | 4s24 | 4 18 | 12 19 | 0 22 | 18 46 | 4 44 | 23 47 | 3 21 | 9 40 | 1 0 | 12 30 | 2 35 | 20 20 | 0 10 | 17 8 | 1 41 | 8 36 | 11 38 | 19 21 | 19 40 | 15 38 | 10 25 | 0 38 |
| T 9 | 1 27 | 9 46 | 4 47 | 12 16 | 0 34 | 19 5 | 4 50 | 23 44 | 3 19 | 9 45 | 1 0 | 12 29 | 2 35 | 20 20 | 0 10 | 17 8 | 1 41 | 8 37 | 11 38 | 19 23 | 19 41 | 15 35 | 10 26 | 0 38 |
| W10 | 1 4 | 14 49 | 5 3 | 12 11 | 0 45 | 19 23 | 4 56 | 23 41 | 3 17 | 9 50 | 1 0 | 12 28 | 2 35 | 20 20 | 0 10 | 17 8 | 1 41 | 8 37 | 11 37 | 19 26 | 19 42 | 15 32 | 10 27 | 0 38 |
| T 11 | 0 40 | 19 19 | 5 4 | 12 4 | 0 55 | 19 41 | 5 2 | 23 38 | 3 15 | 9 54 | 1 0 | 12 27 | 2 35 | 20 20 | 0 10 | 17 9 | 1 41 | 8 37 | 11 37 | 19 28 | 19 43 | 15 29 | 10 28 | 0 39 |
| F 12 | 0 16 | 22 58 | 4 50 | 11 55 | 1 5 | 19 58 | 5 8 | 23 34 | 3 13 | 9 59 | 1 0 | 12 26 | 2 36 | 20 19 | 0 10 | 17 9 | 1 41 | 8 38 | 11 37 | 19 29 | 19 43 | 15 27 | 10 30 | 0 39 |
| S 13 | 0n 7 | 25 29 | 4 20 | 11 45 | 1 15 | 20 15 | 5 14 | 23 30 | 3 11 | 10 4 | 0 59 | 12 25 | 2 36 | 20 19 | 0 10 | 17 10 | 1 41 | 8 38 | 11 37 | 19 31 | 19 44 | 15 24 | 10 31 | 0 39 |
| S 14 | 0 31 | 26 36 | 3 35 | 11 33 | 1 23 | 20 31 | 5 20 | 23 26 | 3 8 | 10 9 | 0 59 | 12 24 | 2 36 | 20 19 | 0 10 | 17 10 | 1 41 | 8 39 | 11 36 | 19 31 | 19 45 | 15 21 | 10 32 | 0 39 |
| M15 | 0 55 | 26 7 | 2 37 | 11 19 | 1 32 | 20 46 | 5 25 | 23 23 | 3 6 | 10 14 | 0 59 | 12 23 | 2 36 | 20 19 | 0 10 | 17 11 | 1 41 | 8 39 | 11 36 | 19 31 | 19 45 | 15 18 | 10 33 | 0 39 |
| T 16 | 1 18 | 24 0 | 1 29 | 11 3 | 1 39 | 21 1 | 5 31 | 23 19 | 3 4 | 10 19 | 0 59 | 12 22 | 2 36 | 20 19 | 0 10 | 17 11 | 1 41 | 8 39 | 11 36 | 19 31 | 19 46 | 15 16 | 10 35 | 0 39 |
| W17 | 1 42 | 20 21 | 0 14 | 10 46 | 1 47 | 21 15 | 5 36 | 23 14 | 3 2 | 10 24 | 0 59 | 12 21 | 2 36 | 20 19 | 0 10 | 17 11 | 1 41 | 8 40 | 11 36 | 19 31 | 19 47 | 15 13 | 10 36 | 0 39 |
| T 18 | 2 5 | 15 25 | 1n 3 | 10 27 | 1 53 | 21 28 | 5 41 | 23 10 | 3 0 | 10 29 | 0 59 | 12 20 | 2 36 | 20 18 | 0 10 | 17 12 | 1 41 | 8 40 | 11 35 | 19 31 | 19 48 | 15 10 | 10 37 | 0 39 |
| F 19 | 2 29 | 9 32 | 2 16 | 10 7 | 2 0 | 21 40 | 5 46 | 23 6 | 2 58 | 10 34 | 0 59 | 12 19 | 2 37 | 20 18 | 0 10 | 17 12 | 1 41 | 8 41 | 11 35 | 19 32 | 19 48 | 15 7 | 10 38 | 0 39 |
| S 20 | 2 52 | 3 5 | 3 21 | 9 45 | 2 5 | 21 52 | 5 51 | 23 1 | 2 56 | 10 39 | 0 59 | 12 17 | 2 37 | 20 18 | 0 10 | 17 13 | 1 40 | 8 41 | 11 35 | 19 33 | 19 49 | 15 5 | 10 40 | 0 39 |
| S 21 | 3 16 | 3n30 | 4 12 | 9 21 | 2 11 | 22 3 | 5 55 | 22 57 | 2 54 | 10 44 | 0 58 | 12 16 | 2 37 | 20 18 | 0 10 | 17 13 | 1 40 | 8 41 | 11 35 | 19 35 | 19 50 | 15 2 | 10 41 | 0 39 |
| M22 | 3 39 | 9 50 | 4 47 | 8 56 | 2 15 | 22 14 | 6 0 | 22 52 | 2 52 | 10 49 | 0 58 | 12 15 | 2 37 | 20 18 | 0 10 | 17 14 | 1 40 | 8 42 | 11 34 | 19 37 | 19 50 | 14 59 | 10 42 | 0 39 |
| T 23 | 4 2 | 15 31 | 5 2 | 8 30 | 2 19 | 22 23 | 6 4 | 22 47 | 2 50 | 10 54 | 0 58 | 12 14 | 2 37 | 20 17 | 0 10 | 17 14 | 1 40 | 8 42 | 11 34 | 19 40 | 19 51 | 14 56 | 10 43 | 0 39 |
| W24 | 4 25 | 20 14 | 4 59 | 8 2 | 2 23 | 22 32 | 6 8 | 22 42 | 2 48 | 10 59 | 0 58 | 12 13 | 2 37 | 20 17 | 0 10 | 17 15 | 1 40 | 8 43 | 11 34 | 19 42 | 19 52 | 14 53 | 10 45 | 0 39 |
| T 25 | 4 48 | 23 44 | 4 38 | 7 33 | 2 26 | 22 39 | 6 11 | 22 37 | 2 46 | 11 3 | 0 58 | 12 11 | 2 37 | 20 17 | 0 10 | 17 15 | 1 40 | 8 43 | 11 34 | 19 44 | 19 53 | 14 51 | 10 46 | 0 39 |
| F 26 | 5 11 | 25 51 | 4 4 | 7 3 | 2 29 | 22 46 | 6 15 | 22 32 | 2 45 | 11 8 | 0 58 | 12 10 | 2 37 | 20 16 | 0 10 | 17 15 | 1 40 | 8 43 | 11 34 | 19 46 | 19 53 | 14 48 | 10 47 | 0 40 |
| S 27 | 5 34 | 26 32 | 3 18 | 6 31 | 2 31 | 22 52 | 6 18 | 22 26 | 2 43 | 11 13 | 0 58 | 12 9 | 2 38 | 20 16 | 0 10 | 17 16 | 1 40 | 8 44 | 11 33 | 19 47 | 19 54 | 14 45 | 10 49 | 0 40 |
| S 28 | 5 57 | 25 52 | 2 24 | 5 58 | 2 32 | 22 57 | 6 20 | 22 21 | 2 41 | 11 18 | 0 58 | 12 7 | 2 38 | 20 16 | 0 10 | 17 16 | 1 40 | 8 44 | 11 33 | 19 47 | 19 55 | 14 42 | 10 50 | 0 40 |
| M29 | 6 20 | 23 58 | 1 25 | 5 24 | 2 33 | 23 0 | 6 22 | 22 15 | 2 39 | 11 23 | 0 58 | 12 6 | 2 38 | 20 16 | 0 10 | 17 17 | 1 40 | 8 45 | 11 33 | 19 47 | 19 55 | 14 39 | 10 51 | 0 40 |
| T 30 | 6 42 | 21 3 | 0 22 | 4 48 | 2 34 | 23 3 | 6 24 | 22 10 | 2 37 | 11 28 | 0 57 | 12 5 | 2 38 | 20 15 | 0 10 | 17 17 | 1 40 | 8 45 | 11 33 | 19 47 | 19 56 | 14 37 | 10 53 | 0 40 |
| W31 | 7n 5 | 17n16 | 0s40 | 4s11 | 2s33 | 23n 5 | 6n26 | 22n 4 | 2n35 | 11n33 | 0s57 | 12s 3 | 2n38 | 20s15 | 0n10 | 17n18 | 1s40 | 8n46 | 11s33 | 19s47 | 19s57 | 14n34 | 10n54 | 0s40 |

Julian Day Number = 2230640.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'11, Lahiri = 15°25'12 Julian Calendar 1 March 1395 == Greg. Calendar 9 March 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## APRIL 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 8 24 | 18♈58'16 | 21♌22 | 26♓57 | 16°R50 | 3♌18 | 2♉56 | 8°R57 | 0°R55 | 24♉21 | 29♉11 | 1°R57 | 1♒12 | 16♌50 | 0♉ 6 | T 1 |
| F 2 | 13 12 20 | 19°56'50 | 3♍14 | 28°33 | 16♉46 | 3°36 | 3°10 | 8♏53 | 0♐53 | 24°23 | 29°13 | 1♒53 | 1° 9 | 16°57 | 0°10 | F 2 |
| S 3 | 13 16 17 | 20°55'22 | 15°15 | 0♈10 | 16°39 | 3°54 | 3°24 | 8°49 | 0°51 | 24°25 | 29°14 | 1°47 | 1° 6 | 17° 4 | 0°14 | S 3 |
| S 4 | 13 20 13 | 21°53'52 | 27°27 | 1°49 | 16°31 | 4°13 | 3°38 | 8°44 | 0°49 | 24°27 | 29°15 | 1°38 | 1° 3 | 17°10 | 0°18 | S 4 |
| M 5 | 13 24 10 | 22°52'19 | 9♎54 | 3°30 | 16°19 | 4°32 | 3°52 | 8°40 | 0°48 | 24°29 | 29°16 | 1°26 | 1° 0 | 17°17 | 0°22 | M 5 |
| T 6 | 13 28 6 | 23°50'45 | 22°34 | 5°13 | 16° 5 | 4°51 | 4° 7 | 8°36 | 0°46 | 24°31 | 29°17 | 1°13 | 0°57 | 17°24 | 0°26 | T 6 |
| W 7 | 13 32 3 | 24°49'09 | 5♏30 | 6°57 | 15°49 | 5°11 | 4°21 | 8°32 | 0°44 | 24°33 | 29°18 | 1° 0 | 0°53 | 17°30 | 0°30 | W 7 |
| T 8 | 13 36 0 | 25°47'31 | 18°39 | 8°43 | 15°30 | 5°31 | 4°35 | 8°27 | 0°42 | 24°35 | 29°19 | 0°48 | 0°50 | 17°37 | 0°34 | T 8 |
| F 9 | 13 39 56 | 26°45'52 | 1♐59 | 10°30 | 15° 9 | 5°52 | 4°49 | 8°23 | 0°40 | 24°37 | 29°21 | 0°38 | 0°47 | 17°43 | 0°38 | F 9 |
| S 10 | 13 43 53 | 27°44'11 | 15°31 | 12°20 | 14°46 | 6°12 | 5° 3 | 8°19 | 0°38 | 24°39 | 29°22 | 0°31 | 0°44 | 17°50 | 0°42 | S 10 |
| S 11 | 13 47 49 | 28°42'28 | 29°11 | 14°11 | 14°21 | 6°34 | 5°18 | 8°14 | 0°37 | 24°41 | 29°23 | 0°26 | 0°41 | 17°57 | 0°46 | S 11 |
| M12 | 13 51 46 | 29°40'44 | 13♑ 1 | 16° 3 | 13°53 | 6°55 | 5°32 | 8°10 | 0°35 | 24°43 | 29°24 | 0°24 | 0°37 | 18° 3 | 0°50 | M12 |
| T 13 | 13 55 42 | 0♉38'58 | 26°58 | 17°58 | 13°24 | 7°17 | 5°46 | 8° 5 | 0°33 | 24°45 | 29°25 | 0°24 | 0°34 | 18°10 | 0°54 | T 13 |
| W14 | 13 59 39 | 1°37'11 | 11♒ 4 | 19°54 | 12°53 | 7°39 | 6° 0 | 8° 1 | 0°30 | 24°47 | 29°27 | 0°24 | 0°31 | 18°17 | 0°58 | W14 |
| T 15 | 14 3 35 | 2°35'22 | 25°16 | 21°52 | 12°20 | 8° 1 | 6°15 | 7°56 | 0°28 | 24°50 | 29°28 | 0°23 | 0°28 | 18°23 | 1° 2 | T 15 |
| F 16 | 14 7 32 | 3°33'31 | 9♓35 | 23°51 | 11°46 | 8°24 | 6°29 | 7°52 | 0°26 | 24°52 | 29°29 | 0°19 | 0°25 | 18°30 | 1° 6 | F 16 |
| S 17 | 14 11 29 | 4°31'40 | 23°56 | 25°52 | 11°11 | 8°47 | 6°43 | 7°47 | 0°24 | 24°54 | 29°30 | 0°14 | 0°22 | 18°37 | 1°10 | S 17 |
| S 18 | 14 15 25 | 5°29'46 | 8♈16 | 27°55 | 10°35 | 9°11 | 6°57 | 7°43 | 0°22 | 24°56 | 29°32 | 0° 5 | 0°18 | 18°43 | 1°14 | S 18 |
| M19 | 14 19 22 | 6°27'51 | 22°29 | 29°59 | 9°58 | 9°34 | 7°12 | 7°38 | 0°20 | 24°58 | 29°33 | 29♑54 | 0°15 | 18°50 | 1°18 | M19 |
| T 20 | 14 23 18 | 7°25'55 | 6♉30 | 2♉ 5 | 9°20 | 9°58 | 7°26 | 7°34 | 0°18 | 25° 0 | 29°34 | 29°42 | 0°12 | 18°57 | 1°22 | T 20 |
| W21 | 14 27 15 | 8°23'57 | 20°14 | 4°12 | 8°43 | 10°22 | 7°40 | 7°29 | 0°15 | 25° 2 | 29°35 | 29°31 | 0° 9 | 19° 3 | 1°26 | W21 |
| T 22 | 14 31 11 | 9°21'57 | 3♊38 | 6°20 | 8° 5 | 10°47 | 7°55 | 7°25 | 0°13 | 25° 5 | 29°37 | 29°20 | 0° 6 | 19°10 | 1°30 | T 22 |
| F 23 | 14 35 8 | 10°19'56 | 16°39 | 8°29 | 7°27 | 11°12 | 8° 9 | 7°20 | 0°11 | 25° 7 | 29°38 | 29°12 | 0° 3 | 19°17 | 1°34 | F 23 |
| S 24 | 14 39 4 | 11°17'53 | 29°20 | 10°39 | 6°50 | 11°36 | 8°23 | 7°16 | 0° 9 | 25° 9 | 29°39 | 29° 6 | 29♑59 | 19°23 | 1°38 | S 24 |
| S 25 | 14 43 1 | 12°15'48 | 11♋41 | 12°49 | 6°14 | 12° 2 | 8°37 | 7°11 | 0° 6 | 25°11 | 29°41 | 29° 3 | 29°56 | 19°30 | 1°42 | S 25 |
| M26 | 14 46 58 | 13°13'41 | 23°46 | 15° 0 | 5°38 | 12°27 | 8°52 | 7° 7 | 0° 4 | 25°13 | 29°42 | 29°D 2 | 29°53 | 19°37 | 1°46 | M26 |
| T 27 | 14 50 54 | 14°11'33 | 5♌41 | 17°11 | 5° 4 | 12°53 | 9° 6 | 7° 3 | 0° 2 | 25°16 | 29°43 | 29° 2 | 29°50 | 19°43 | 1°50 | T 27 |
| W28 | 14 54 51 | 15° 9'22 | 17°31 | 19°22 | 4°31 | 13°19 | 9°20 | 6°58 | 29♏59 | 25°18 | 29°44 | 29°R 2 | 29°47 | 19°50 | 1°54 | W28 |
| T 29 | 14 58 47 | 16° 7'10 | 29°20 | 21°32 | 3°59 | 13°45 | 9°34 | 6°54 | 29°57 | 25°20 | 29°46 | 29° 1 | 29°43 | 19°57 | 1°58 | T 29 |
| F 30 | 15 2 44 | 17♉ 4'57 | 11♍15 | 23♉41 | 3♉29 | 14♌12 | 9♉48 | 6♏49 | 29♏54 | 25♉22 | 29♉47 | 28♑58 | 29♑40 | 20♌ 3 | 2♉ 2 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n27 | 12n50 | 1s41 | 3s33 | 2s33 | 23n 5 | 6n27 | 21n58 | 2n34 | 11n38 | 0s57 | 12s 2 | 2n38 | 20s15 | 0n10 | 17n18 | 1s40 | 8n46 | 11s32 | 19s48 | 19s57 | 14n31 | 10n55 | 0s40 |
| F 2 | 7 49 | 7 54 | 2 38 | 2 54 | 2 32 | 23 5 | 6 27 | 21 52 | 2 32 | 11 43 | 0 57 | 12 1 | 2 38 | 20 14 | 0 10 | 17 19 | 1 40 | 8 46 | 11 32 | 19 48 | 19 58 | 14 28 | 10 57 | 0 40 |
| S 3 | 8 12 | 2 38 | 3 28 | 2 14 | 2 30 | 23 3 | 6 27 | 21 46 | 2 30 | 11 48 | 0 57 | 11 59 | 2 38 | 20 14 | 0 10 | 17 19 | 1 40 | 8 47 | 11 32 | 19 50 | 19 59 | 14 25 | 10 58 | 0 40 |
| S 4 | 8 34 | 2s48 | 4 9 | 1 32 | 2 28 | 23 0 | 6 27 | 21 40 | 2 28 | 11 53 | 0 57 | 11 58 | 2 38 | 20 14 | 0 10 | 17 20 | 1 40 | 8 47 | 11 32 | 19 52 | 20 0 | 14 23 | 10 59 | 0 40 |
| M 5 | 8 55 | 8 13 | 4 40 | 0 49 | 2 25 | 22 55 | 6 26 | 21 34 | 2 26 | 11 58 | 0 57 | 11 56 | 2 38 | 20 13 | 0 10 | 17 20 | 1 40 | 8 48 | 11 32 | 19 54 | 20 0 | 14 20 | 11 1 | 0 40 |
| T 6 | 9 17 | 13 24 | 4 57 | 0 6 | 2 22 | 22 50 | 6 24 | 21 27 | 2 25 | 12 2 | 0 57 | 11 55 | 2 38 | 20 13 | 0 10 | 17 21 | 1 40 | 8 48 | 11 31 | 19 57 | 20 1 | 14 17 | 11 2 | 0 40 |
| W 7 | 9 39 | 18 6 | 4 59 | 0n39 | 2 18 | 22 43 | 6 22 | 21 21 | 2 23 | 12 7 | 0 57 | 11 54 | 2 38 | 20 12 | 0 10 | 17 21 | 1 40 | 8 48 | 11 31 | 20 0 | 20 2 | 14 14 | 11 3 | 0 40 |
| T 8 | 10 0 | 22 0 | 4 46 | 1 25 | 2 14 | 22 34 | 6 19 | 21 14 | 2 21 | 12 12 | 0 57 | 11 52 | 2 38 | 20 12 | 0 10 | 17 22 | 1 40 | 8 49 | 11 31 | 20 3 | 20 2 | 14 11 | 11 5 | 0 41 |
| F 9 | 10 21 | 24 50 | 4 17 | 2 11 | 2 9 | 22 25 | 6 16 | 21 7 | 2 20 | 12 17 | 0 57 | 11 51 | 2 38 | 20 12 | 0 10 | 17 23 | 1 40 | 8 49 | 11 31 | 20 5 | 20 3 | 14 8 | 11 6 | 0 41 |
| S 10 | 10 42 | 26 16 | 3 33 | 2 59 | 2 4 | 22 13 | 6 11 | 21 1 | 2 18 | 12 22 | 0 57 | 11 49 | 2 38 | 20 11 | 0 10 | 17 23 | 1 40 | 8 50 | 11 31 | 20 6 | 20 4 | 14 6 | 11 7 | 0 41 |
| S 11 | 11 3 | 26 8 | 2 37 | 3 48 | 1 58 | 22 1 | 6 6 | 20 54 | 2 16 | 12 27 | 0 56 | 11 48 | 2 38 | 20 11 | 0 10 | 17 24 | 1 40 | 8 50 | 11 31 | 20 7 | 20 4 | 14 3 | 11 8 | 0 41 |
| M12 | 11 24 | 24 23 | 1 31 | 4 37 | 1 52 | 21 47 | 6 1 | 20 47 | 2 15 | 12 31 | 0 56 | 11 46 | 2 38 | 20 11 | 0 10 | 17 24 | 1 40 | 8 50 | 11 30 | 20 8 | 20 5 | 14 0 | 11 10 | 0 41 |
| T 13 | 11 44 | 21 8 | 0 18 | 5 27 | 1 45 | 21 32 | 5 54 | 20 40 | 2 13 | 12 36 | 0 56 | 11 45 | 2 39 | 20 10 | 0 10 | 17 25 | 1 40 | 8 51 | 11 30 | 20 8 | 20 6 | 13 57 | 11 11 | 0 41 |
| W14 | 12 5 | 16 37 | 0n56 | 6 18 | 1 38 | 21 16 | 5 47 | 20 32 | 2 12 | 12 41 | 0 56 | 11 44 | 2 39 | 20 10 | 0 10 | 17 25 | 1 40 | 8 51 | 11 30 | 20 8 | 20 6 | 13 54 | 11 12 | 0 41 |
| T 15 | 12 25 | 11 8 | 2 7 | 7 9 | 1 30 | 20 58 | 5 40 | 20 25 | 2 10 | 12 46 | 0 56 | 11 42 | 2 39 | 20 9 | 0 10 | 17 26 | 1 40 | 8 52 | 11 30 | 20 8 | 20 7 | 13 51 | 11 14 | 0 41 |
| F 16 | 12 45 | 5 3 | 3 11 | 8 1 | 1 22 | 20 40 | 5 31 | 20 17 | 2 8 | 12 51 | 0 56 | 11 41 | 2 39 | 20 9 | 0 10 | 17 26 | 1 40 | 8 52 | 11 30 | 20 9 | 20 8 | 13 49 | 11 15 | 0 41 |
| S 17 | 13 4 | 1n18 | 4 3 | 8 53 | 1 14 | 20 20 | 5 22 | 20 10 | 2 7 | 12 55 | 0 56 | 11 39 | 2 39 | 20 8 | 0 10 | 17 27 | 1 39 | 8 52 | 11 30 | 20 10 | 20 8 | 13 46 | 11 16 | 0 41 |
| S 18 | 13 24 | 7 34 | 4 39 | 9 46 | 1 5 | 19 59 | 5 12 | 20 2 | 2 5 | 13 0 | 0 56 | 11 38 | 2 38 | 20 8 | 0 10 | 17 27 | 1 39 | 8 53 | 11 30 | 20 12 | 20 9 | 13 43 | 11 18 | 0 41 |
| M19 | 13 43 | 13 23 | 4 58 | 10 39 | 0 55 | 19 37 | 5 2 | 19 54 | 2 4 | 13 5 | 0 56 | 11 36 | 2 38 | 20 7 | 0 10 | 17 28 | 1 39 | 8 53 | 11 29 | 20 14 | 20 10 | 13 40 | 11 19 | 0 41 |
| T 20 | 14 2 | 18 25 | 4 58 | 11 31 | 0 46 | 19 14 | 4 51 | 19 46 | 2 2 | 13 9 | 0 56 | 11 35 | 2 38 | 20 7 | 0 10 | 17 28 | 1 39 | 8 53 | 11 29 | 20 17 | 20 11 | 13 37 | 11 20 | 0 42 |
| W21 | 14 21 | 22 23 | 4 41 | 12 24 | 0 36 | 18 51 | 4 39 | 19 38 | 2 1 | 13 14 | 0 56 | 11 34 | 2 38 | 20 7 | 0 10 | 17 29 | 1 39 | 8 54 | 11 29 | 20 19 | 20 11 | 13 34 | 11 22 | 0 42 |
| T 22 | 14 40 | 25 1 | 4 9 | 13 17 | 0 25 | 18 27 | 4 27 | 19 30 | 1 59 | 13 19 | 0 56 | 11 32 | 2 38 | 20 6 | 0 10 | 17 29 | 1 39 | 8 54 | 11 29 | 20 22 | 20 12 | 13 31 | 11 23 | 0 42 |
| F 23 | 14 58 | 26 14 | 3 24 | 14 8 | 0 15 | 18 3 | 4 14 | 19 22 | 1 58 | 13 24 | 0 56 | 11 31 | 2 38 | 20 6 | 0 10 | 17 30 | 1 39 | 8 55 | 11 29 | 20 23 | 20 13 | 13 29 | 11 24 | 0 42 |
| S 24 | 15 16 | 26 2 | 2 31 | 15 0 | 0 5 | 17 38 | 4 1 | 19 13 | 1 56 | 13 28 | 0 56 | 11 29 | 2 38 | 20 5 | 0 10 | 17 31 | 1 39 | 8 55 | 11 29 | 20 24 | 20 13 | 13 26 | 11 26 | 0 42 |
| S 25 | 15 34 | 24 31 | 1 31 | 15 50 | 0n 6 | 17 13 | 3 48 | 19 5 | 1 55 | 13 33 | 0 56 | 11 28 | 2 38 | 20 5 | 0 10 | 17 31 | 1 39 | 8 55 | 11 29 | 20 25 | 20 14 | 13 23 | 11 27 | 0 42 |
| M26 | 15 52 | 21 53 | 0 28 | 16 39 | 0 17 | 16 48 | 3 34 | 18 56 | 1 54 | 13 37 | 0 56 | 11 26 | 2 38 | 20 4 | 0 10 | 17 32 | 1 39 | 8 56 | 11 29 | 20 25 | 20 15 | 13 20 | 11 28 | 0 42 |
| T 27 | 16 9 | 18 20 | 0s35 | 17 27 | 0 27 | 16 24 | 3 20 | 18 48 | 1 52 | 13 42 | 0 55 | 11 25 | 2 38 | 20 4 | 0 10 | 17 32 | 1 39 | 8 56 | 11 28 | 20 25 | 20 15 | 13 17 | 11 29 | 0 42 |
| W28 | 16 26 | 14 6 | 1 37 | 18 14 | 0 37 | 15 59 | 3 6 | 18 39 | 1 51 | 13 47 | 0 55 | 11 24 | 2 38 | 20 3 | 0 10 | 17 33 | 1 39 | 8 56 | 11 28 | 20 25 | 20 16 | 13 14 | 11 31 | 0 42 |
| T 29 | 16 43 | 9 21 | 2 34 | 18 58 | 0 48 | 15 35 | 2 52 | 18 30 | 1 49 | 13 51 | 0 55 | 11 22 | 2 38 | 20 3 | 0 10 | 17 33 | 1 39 | 8 57 | 11 28 | 20 25 | 20 17 | 13 11 | 11 32 | 0 42 |
| F 30 | 17n 0 | 4n13 | 3s25 | 19n41 | 0n57 | 15n11 | 2n37 | 18n21 | 1n48 | 13n56 | 0s55 | 11s21 | 2n38 | 20s 2 | 0n10 | 17n34 | 1s39 | 8n57 | 11s28 | 20s26 | 20s17 | 13n 8 | 11n33 | 0s42 |

Julian Day Number = 2230671.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'15, Lahiri = 15°25'16 Julian Calendar 1 Apr. 1395 == Greg. Calendar 9 Apr. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## MAY 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 6 40 | 18♉ 2'41 | 23♍19 | 25♉50 | 3°R 1 | 14♌38 | 10♉ 3 | 6°R45 | 29°R52 | 25♉24 | 29♉48 | 28°R53 | 29♑37 | 20♌10 | 2♉ 6 | S 1 |
| S 2 | 15 10 37 | 19° 0'24 | 5♎38 | 27°57 | 2♉35 | 15° 5 | 10°17 | 6♏40 | 29♏50 | 25°27 | 29°50 | 28♑46 | 29°34 | 20°16 | 2°10 | S 2 |
| M 3 | 15 14 33 | 19°58'05 | 18°14 | 0♊ 3 | 2°12 | 15°32 | 10°31 | 6°36 | 29°47 | 25°29 | 29°51 | 28°37 | 29°31 | 20°23 | 2°13 | M 3 |
| T 4 | 15 18 30 | 20°55'45 | 1♏ 9 | 2° 6 | 1°50 | 16° 0 | 10°45 | 6°32 | 29°45 | 25°31 | 29°53 | 28°26 | 29°28 | 20°30 | 2°17 | T 4 |
| W 5 | 15 22 27 | 21°53'24 | 14°22 | 4° 8 | 1°30 | 16°27 | 10°59 | 6°28 | 29°42 | 25°33 | 29°54 | 28°15 | 29°24 | 20°36 | 2°21 | W 5 |
| T 6 | 15 26 23 | 22°51'01 | 27°52 | 6° 8 | 1°13 | 16°55 | 11°13 | 6°23 | 29°40 | 25°36 | 29°55 | 28° 4 | 29°21 | 20°43 | 2°25 | T 6 |
| F 7 | 15 30 20 | 23°48'37 | 11♐37 | 8° 5 | 0°59 | 17°23 | 11°27 | 6°19 | 29°37 | 25°38 | 29°57 | 27°56 | 29°18 | 20°50 | 2°29 | F 7 |
| S 8 | 15 34 16 | 24°46'12 | 25°33 | 10° 0 | 0°46 | 17°51 | 11°41 | 6°15 | 29°35 | 25°40 | 29°58 | 27°49 | 29°15 | 20°56 | 2°33 | S 8 |
| S 9 | 15 38 13 | 25°43'46 | 9♑37 | 11°52 | 0°36 | 18°19 | 11°55 | 6°11 | 29°32 | 25°42 | 29°59 | 27°46 | 29°12 | 21° 3 | 2°36 | S 9 |
| M10 | 15 42 9 | 26°41'19 | 23°44 | 13°42 | 0°29 | 18°48 | 12° 9 | 6° 7 | 29°30 | 25°45 | 0♊ 1 | 27°D45 | 29° 9 | 21°10 | 2°40 | M10 |
| T 11 | 15 46 6 | 27°38'51 | 7♒54 | 15°29 | 0°24 | 19°16 | 12°23 | 6° 3 | 29°27 | 25°47 | 0° 2 | 27°45 | 29° 5 | 21°16 | 2°44 | T 11 |
| W12 | 15 50 2 | 28°36'22 | 22° 4 | 17°13 | 0°21 | 19°45 | 12°37 | 5°59 | 29°25 | 25°49 | 0° 3 | 27°R45 | 29° 2 | 21°23 | 2°48 | W12 |
| T 13 | 15 53 59 | 29°33'52 | 6♓12 | 18°54 | 0°D21 | 20°14 | 12°51 | 5°55 | 29°23 | 25°51 | 0° 5 | 27°45 | 28°59 | 21°30 | 2°51 | T 13 |
| F 14 | 15 57 56 | 0♊31'21 | 20°18 | 20°33 | 0°23 | 20°43 | 13° 5 | 5°51 | 29°20 | 25°54 | 0° 6 | 27°44 | 28°56 | 21°36 | 2°55 | F 14 |
| S 15 | 16 1 52 | 1°28'50 | 4♈20 | 22° 8 | 0°28 | 21°13 | 13°19 | 5°47 | 29°18 | 25°56 | 0° 8 | 27°40 | 28°53 | 21°43 | 2°59 | S 15 |
| S 16 | 16 5 49 | 2°26'18 | 18°16 | 23°40 | 0°34 | 21°42 | 13°33 | 5°43 | 29°15 | 25°58 | 0° 9 | 27°34 | 28°49 | 21°50 | 3° 2 | S 16 |
| M17 | 16 9 45 | 3°23'45 | 2♉ 3 | 25°10 | 0°43 | 22°12 | 13°47 | 5°40 | 29°13 | 26° 0 | 0°10 | 27°26 | 28°46 | 21°56 | 3° 6 | M17 |
| T 18 | 16 13 42 | 4°21'11 | 15°38 | 26°36 | 0°54 | 22°42 | 14° 1 | 5°36 | 29°10 | 26° 3 | 0°12 | 27°17 | 28°43 | 22° 3 | 3°10 | T 18 |
| W19 | 16 17 38 | 5°18'37 | 28°59 | 28° 0 | 1° 7 | 23°12 | 14°14 | 5°32 | 29° 8 | 26° 5 | 0°13 | 27° 9 | 28°40 | 22°10 | 3°13 | W19 |
| T 20 | 16 21 35 | 6°16'02 | 12♊ 4 | 29°20 | 1°22 | 23°42 | 14°28 | 5°29 | 29° 5 | 26° 7 | 0°14 | 27° 1 | 28°37 | 22°16 | 3°17 | T 20 |
| F 21 | 16 25 31 | 7°13'25 | 24°52 | 0♋37 | 1°39 | 24°13 | 14°42 | 5°25 | 29° 3 | 26° 9 | 0°16 | 26°55 | 28°34 | 22°23 | 3°20 | F 21 |
| S 22 | 16 29 28 | 8°10'48 | 7♋23 | 1°51 | 1°58 | 24°43 | 14°55 | 5°22 | 29° 0 | 26°11 | 0°17 | 26°51 | 28°30 | 22°30 | 3°24 | S 22 |
| S 23 | 16 33 25 | 9° 8'10 | 19°38 | 3° 2 | 2°18 | 25°14 | 15° 9 | 5°18 | 28°58 | 26°14 | 0°18 | 26°49 | 28°27 | 22°36 | 3°27 | S 23 |
| M24 | 16 37 21 | 10° 5'31 | 1♌41 | 4°10 | 2°41 | 25°45 | 15°23 | 5°15 | 28°55 | 26°16 | 0°20 | 26°D48 | 28°24 | 22°43 | 3°31 | M24 |
| T 25 | 16 41 18 | 11° 2'51 | 13°35 | 5°14 | 3° 5 | 26°16 | 15°36 | 5°12 | 28°53 | 26°18 | 0°21 | 26°49 | 28°21 | 22°50 | 3°34 | T 25 |
| W26 | 16 45 14 | 12° 0'10 | 25°25 | 6°15 | 3°30 | 26°47 | 15°50 | 5° 9 | 28°51 | 26°20 | 0°23 | 26°51 | 28°18 | 22°56 | 3°37 | W26 |
| T 27 | 16 49 11 | 12°57'28 | 7♍14 | 7°12 | 3°57 | 27°18 | 16° 3 | 5° 6 | 28°48 | 26°22 | 0°24 | 26°52 | 28°15 | 23° 3 | 3°41 | T 27 |
| F 28 | 16 53 7 | 13°54'45 | 19°10 | 8° 6 | 4°26 | 27°50 | 16°16 | 5° 3 | 28°46 | 26°25 | 0°25 | 26°R52 | 28°11 | 23°10 | 3°44 | F 28 |
| S 29 | 16 57 4 | 14°52'01 | 1♎16 | 8°56 | 4°56 | 28°21 | 16°30 | 5° 0 | 28°43 | 26°27 | 0°27 | 26°50 | 28° 8 | 23°16 | 3°47 | S 29 |
| S 30 | 17 1 0 | 15°49'17 | 13°37 | 9°42 | 5°28 | 28°53 | 16°43 | 4°57 | 28°41 | 26°29 | 0°28 | 26°47 | 28° 5 | 23°23 | 3°51 | S 30 |
| M31 | 17 4 57 | 16♊46'31 | 26♎17 | 10♋24 | 6♉ 1 | 29♌25 | 16♉56 | 4♏54 | 28♏39 | 26♉31 | 0♊29 | 26♑43 | 28♑ 2 | 23♌30 | 3♉54 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n16 | 1s 7 | 4s 7 | 20n22 | 1n 7 | 14n48 | 2n23 | 18n12 | 1n47 | 14n 0 | 0s55 | 11s20 | 2n38 | 20s 2 | 0n10 | 17n34 | 1s39 | 8n58 | 11s28 | 20s27 | 20s18 | 13n 6 | 11n35 | 0s42 |
| S 2 | 17 32 | 6 30 | 4 39 | 21 0 | 1 16 | 14 26 | 2 9 | 18 3 | 1 45 | 14 5 | 0 55 | 11 18 | 2 38 | 20 1 | 0 10 | 17 35 | 1 39 | 8 58 | 11 28 | 20 29 | 20 19 | 13 3 | 11 36 | 0 43 |
| M 3 | 17 47 | 11 45 | 4 58 | 21 36 | 1 24 | 14 4 | 1 55 | 17 53 | 1 44 | 14 9 | 0 55 | 11 17 | 2 38 | 20 1 | 0 10 | 17 35 | 1 39 | 8 58 | 11 28 | 20 30 | 20 19 | 13 0 | 11 37 | 0 43 |
| T 4 | 18 3 | 16 38 | 5 2 | 22 10 | 1 32 | 13 43 | 1 40 | 17 44 | 1 43 | 14 14 | 0 55 | 11 16 | 2 38 | 20 0 | 0 10 | 17 36 | 1 39 | 8 59 | 11 28 | 20 33 | 20 20 | 12 57 | 11 38 | 0 43 |
| W 5 | 18 18 | 20 50 | 4 51 | 22 40 | 1 40 | 13 23 | 1 27 | 17 34 | 1 41 | 14 18 | 0 55 | 11 14 | 2 37 | 20 0 | 0 10 | 17 36 | 1 39 | 8 59 | 11 28 | 20 35 | 20 21 | 12 54 | 11 40 | 0 43 |
| T 6 | 18 33 | 24 1 | 4 23 | 23 9 | 1 46 | 13 4 | 1 13 | 17 24 | 1 40 | 14 22 | 0 55 | 11 13 | 2 37 | 19 59 | 0 10 | 17 37 | 1 39 | 8 59 | 11 28 | 20 37 | 20 21 | 12 51 | 11 41 | 0 43 |
| F 7 | 18 47 | 25 53 | 3 40 | 23 35 | 1 52 | 12 47 | 0 59 | 17 15 | 1 39 | 14 27 | 0 55 | 11 12 | 2 37 | 19 59 | 0 10 | 17 38 | 1 39 | 9 0 | 11 28 | 20 39 | 20 22 | 12 48 | 11 42 | 0 43 |
| S 8 | 19 1 | 26 9 | 2 43 | 23 58 | 1 58 | 12 30 | 0 46 | 17 5 | 1 37 | 14 31 | 0 55 | 11 11 | 2 37 | 19 58 | 0 10 | 17 38 | 1 39 | 9 0 | 11 28 | 20 40 | 20 23 | 12 45 | 11 43 | 0 43 |
| S 9 | 19 15 | 24 45 | 1 35 | 24 18 | 2 2 | 12 15 | 0 33 | 16 55 | 1 36 | 14 35 | 0 55 | 11 9 | 2 37 | 19 58 | 0 10 | 17 39 | 1 39 | 9 0 | 11 28 | 20 41 | 20 23 | 12 43 | 11 44 | 0 43 |
| M10 | 19 29 | 21 47 | 0 21 | 24 36 | 2 6 | 12 0 | 0 21 | 16 45 | 1 35 | 14 40 | 0 55 | 11 8 | 2 37 | 19 57 | 0 10 | 17 39 | 1 39 | 9 1 | 11 28 | 20 41 | 20 24 | 12 40 | 11 46 | 0 43 |
| T 11 | 19 42 | 17 29 | 0n54 | 24 52 | 2 9 | 11 47 | 0 8 | 16 34 | 1 34 | 14 44 | 0 55 | 11 7 | 2 37 | 19 56 | 0 10 | 17 40 | 1 39 | 9 1 | 11 27 | 20 41 | 20 25 | 12 37 | 11 47 | 0 43 |
| W12 | 19 55 | 12 13 | 2 6 | 25 5 | 2 11 | 11 35 | 0s 3 | 16 24 | 1 32 | 14 48 | 0 55 | 11 6 | 2 37 | 19 56 | 0 10 | 17 40 | 1 39 | 9 1 | 11 27 | 20 41 | 20 25 | 12 34 | 11 48 | 0 44 |
| T 13 | 20 7 | 6 19 | 3 11 | 25 15 | 2 13 | 11 24 | 0 15 | 16 14 | 1 31 | 14 53 | 0 55 | 11 5 | 2 36 | 19 55 | 0 10 | 17 41 | 1 39 | 9 1 | 11 27 | 20 41 | 20 26 | 12 31 | 11 49 | 0 44 |
| F 14 | 20 20 | 0 7 | 4 3 | 25 24 | 2 13 | 11 14 | 0 26 | 16 3 | 1 30 | 14 57 | 0 55 | 11 3 | 2 36 | 19 55 | 0 10 | 17 41 | 1 39 | 9 2 | 11 27 | 20 41 | 20 27 | 12 28 | 11 50 | 0 44 |
| S 15 | 20 32 | 6n 1 | 4 41 | 25 30 | 2 13 | 11 6 | 0 37 | 15 53 | 1 29 | 15 1 | 0 55 | 11 2 | 2 36 | 19 54 | 0 10 | 17 42 | 1 39 | 9 2 | 11 27 | 20 42 | 20 27 | 12 25 | 11 52 | 0 44 |
| S 16 | 20 43 | 11 50 | 5 2 | 25 34 | 2 12 | 10 58 | 0 47 | 15 42 | 1 28 | 15 5 | 0 55 | 11 1 | 2 36 | 19 54 | 0 10 | 17 42 | 1 39 | 9 2 | 11 27 | 20 43 | 20 28 | 12 22 | 11 53 | 0 44 |
| M17 | 20 54 | 16 59 | 5 5 | 25 36 | 2 11 | 10 52 | 0 57 | 15 31 | 1 26 | 15 9 | 0 55 | 11 0 | 2 36 | 19 53 | 0 10 | 17 43 | 1 39 | 9 3 | 11 27 | 20 45 | 20 28 | 12 19 | 11 54 | 0 44 |
| T 18 | 21 5 | 21 12 | 4 50 | 25 37 | 2 8 | 10 47 | 1 7 | 15 20 | 1 25 | 15 13 | 0 55 | 10 59 | 2 36 | 19 53 | 0 10 | 17 43 | 1 39 | 9 3 | 11 27 | 20 46 | 20 29 | 12 16 | 11 55 | 0 44 |
| W19 | 21 15 | 24 14 | 4 20 | 25 35 | 2 5 | 10 43 | 1 16 | 15 9 | 1 24 | 15 18 | 0 55 | 10 58 | 2 36 | 19 52 | 0 10 | 17 44 | 1 39 | 9 3 | 11 27 | 20 48 | 20 30 | 12 13 | 11 56 | 0 44 |
| T 20 | 21 26 | 25 54 | 3 37 | 25 32 | 2 1 | 10 39 | 1 25 | 14 58 | 1 23 | 15 22 | 0 55 | 10 57 | 2 35 | 19 52 | 0 10 | 17 44 | 1 39 | 9 4 | 11 27 | 20 50 | 20 30 | 12 11 | 11 57 | 0 44 |
| F 21 | 21 35 | 26 8 | 2 43 | 25 27 | 1 56 | 10 37 | 1 34 | 14 47 | 1 22 | 15 26 | 0 55 | 10 56 | 2 35 | 19 51 | 0 10 | 17 45 | 1 39 | 9 4 | 11 27 | 20 51 | 20 31 | 12 8 | 11 58 | 0 44 |
| S 22 | 21 45 | 25 2 | 1 43 | 25 21 | 1 50 | 10 36 | 1 42 | 14 35 | 1 21 | 15 30 | 0 55 | 10 55 | 2 35 | 19 51 | 0 10 | 17 45 | 1 39 | 9 4 | 11 27 | 20 51 | 20 32 | 12 5 | 11 59 | 0 45 |
| S 23 | 21 54 | 22 43 | 0 39 | 25 13 | 1 44 | 10 36 | 1 50 | 14 24 | 1 19 | 15 34 | 0 55 | 10 54 | 2 35 | 19 50 | 0 10 | 17 46 | 1 39 | 9 4 | 11 27 | 20 52 | 20 32 | 12 2 | 12 0 | 0 45 |
| M24 | 22 2 | 19 25 | 0s26 | 25 4 | 1 37 | 10 37 | 1 57 | 14 12 | 1 18 | 15 38 | 0 55 | 10 53 | 2 35 | 19 50 | 0 10 | 17 46 | 1 39 | 9 5 | 11 27 | 20 52 | 20 33 | 11 59 | 12 2 | 0 45 |
| T 25 | 22 10 | 15 22 | 1 30 | 24 54 | 1 29 | 10 38 | 2 4 | 14 1 | 1 17 | 15 42 | 0 55 | 10 52 | 2 34 | 19 49 | 0 10 | 17 47 | 1 39 | 9 5 | 11 27 | 20 52 | 20 34 | 11 56 | 12 3 | 0 45 |
| W26 | 22 18 | 10 46 | 2 29 | 24 43 | 1 21 | 10 40 | 2 11 | 13 49 | 1 16 | 15 45 | 0 55 | 10 51 | 2 34 | 19 49 | 0 10 | 17 47 | 1 39 | 9 5 | 11 27 | 20 51 | 20 34 | 11 53 | 12 4 | 0 45 |
| T 27 | 22 26 | 5 46 | 3 21 | 24 31 | 1 11 | 10 44 | 2 17 | 13 37 | 1 15 | 15 49 | 0 55 | 10 51 | 2 34 | 19 48 | 0 10 | 17 48 | 1 39 | 9 5 | 11 27 | 20 51 | 20 35 | 11 50 | 12 5 | 0 45 |
| F 28 | 22 33 | 0 32 | 4 6 | 24 18 | 1 1 | 10 48 | 2 23 | 13 25 | 1 14 | 15 53 | 0 55 | 10 50 | 2 34 | 19 48 | 0 10 | 17 48 | 1 39 | 9 6 | 11 27 | 20 51 | 20 36 | 11 47 | 12 6 | 0 45 |
| S 29 | 22 39 | 4s47 | 4 40 | 24 4 | 0 51 | 10 52 | 2 29 | 13 13 | 1 13 | 15 57 | 0 55 | 10 49 | 2 34 | 19 47 | 0 10 | 17 49 | 1 39 | 9 6 | 11 27 | 20 52 | 20 36 | 11 44 | 12 7 | 0 45 |
| S 30 | 22 46 | 10 1 | 5 2 | 23 49 | 0 39 | 10 57 | 2 35 | 13 1 | 1 12 | 16 1 | 0 55 | 10 48 | 2 33 | 19 47 | 0 10 | 17 49 | 1 39 | 9 6 | 11 27 | 20 52 | 20 37 | 11 41 | 12 8 | 0 45 |
| M31 | 22n52 | 14s59 | 5s10 | 23n34 | 0n27 | 11n 4 | 2s40 | 12n49 | 1n11 | 16n 5 | 0s55 | 10s47 | 2n33 | 19s46 | 0n10 | 17n50 | 1s39 | 9n 6 | 11s27 | 20s53 | 20s37 | 11n38 | 12n 9 | 0s46 |

Julian Day Number = 2230701.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'09, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'20, Lahiri = 15°25'20 Julian Calendar 1 May 1395 == Greg. Calendar 9 May 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## JUNE 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 8 54 | 17♊43'45 | 9♏19 | 11♋ 3 | 6♉35 | 29♌57 | 17♉ 9 | 4°R51 | 28°R36 | 26♉33 | 0♊31 | 26°R37 | 27♑59 | 23♌36 | 3♉57 | T 1 |
| W 2 | 17 12 50 | 18°40'58 | 22°43 | 11°37 | 7°11 | 0♍29 | 17°23 | 4♏49 | 28♏34 | 26°35 | 0°32 | 26♑31 | 27°55 | 23°43 | 4° 0 | W 2 |
| T 3 | 17 16 47 | 19°38'11 | 6♐29 | 12° 7 | 7°47 | 1° 1 | 17°36 | 4°46 | 28°32 | 26°37 | 0°33 | 26°25 | 27°52 | 23°50 | 4° 3 | T 3 |
| F 4 | 17 20 43 | 20°35'23 | 20°34 | 12°33 | 8°25 | 1°34 | 17°49 | 4°44 | 28°30 | 26°40 | 0°34 | 26°20 | 27°49 | 23°56 | 4° 6 | F 4 |
| S 5 | 17 24 40 | 21°32'34 | 4♑54 | 12°54 | 9° 4 | 2° 6 | 18° 2 | 4°41 | 28°27 | 26°42 | 0°36 | 26°17 | 27°46 | 24° 3 | 4° 9 | S 5 |
| S 6 | 17 28 36 | 22°29'46 | 19°23 | 13°11 | 9°44 | 2°39 | 18°15 | 4°39 | 28°25 | 26°44 | 0°37 | 26°D16 | 27°43 | 24°10 | 4°12 | S 6 |
| M 7 | 17 32 33 | 23°26'57 | 3♒56 | 13°24 | 10°26 | 3°11 | 18°27 | 4°37 | 28°23 | 26°46 | 0°38 | 26°16 | 27°40 | 24°16 | 4°15 | M 7 |
| T 8 | 17 36 30 | 24°24'08 | 18°27 | 13°31 | 11° 8 | 3°44 | 18°40 | 4°35 | 28°21 | 26°48 | 0°40 | 26°17 | 27°36 | 24°23 | 4°18 | T 8 |
| W 9 | 17 40 26 | 25°21'19 | 2♓52 | 13°R35 | 11°51 | 4°17 | 18°53 | 4°33 | 28°19 | 26°50 | 0°41 | 26°18 | 27°33 | 24°29 | 4°21 | W 9 |
| T 10 | 17 44 23 | 26°18'30 | 17° 8 | 13°33 | 12°35 | 4°50 | 19° 6 | 4°31 | 28°17 | 26°52 | 0°42 | 26°19 | 27°30 | 24°36 | 4°24 | T 10 |
| F 11 | 17 48 19 | 27°15'41 | 1♈12 | 13°28 | 13°20 | 5°24 | 19°18 | 4°29 | 28°15 | 26°54 | 0°43 | 26°R20 | 27°27 | 24°43 | 4°27 | F 11 |
| S 12 | 17 52 16 | 28°12'52 | 15° 4 | 13°17 | 14° 6 | 5°57 | 19°31 | 4°27 | 28°13 | 26°56 | 0°45 | 26°19 | 27°24 | 24°49 | 4°29 | S 12 |
| S 13 | 17 56 12 | 29°10'03 | 28°43 | 13° 3 | 14°52 | 6°30 | 19°43 | 4°25 | 28°11 | 26°58 | 0°46 | 26°16 | 27°21 | 24°56 | 4°32 | S 13 |
| M14 | 18 0 9 | 0♋ 7'15 | 12♉ 9 | 12°44 | 15°40 | 7° 4 | 19°56 | 4°24 | 28° 9 | 27° 0 | 0°47 | 26°13 | 27°17 | 25° 3 | 4°35 | M14 |
| T 15 | 18 4 5 | 1° 4'27 | 25°20 | 12°21 | 16°28 | 7°38 | 20° 8 | 4°22 | 28° 7 | 27° 2 | 0°48 | 26° 9 | 27°14 | 25° 9 | 4°37 | T 15 |
| W16 | 18 8 2 | 2° 1'38 | 8♊18 | 11°55 | 17°17 | 8°12 | 20°21 | 4°21 | 28° 5 | 27° 4 | 0°49 | 26° 6 | 27°11 | 25°16 | 4°40 | W16 |
| T 17 | 18 11 59 | 2°58'50 | 21° 1 | 11°26 | 18° 6 | 8°45 | 20°33 | 4°19 | 28° 3 | 27° 6 | 0°51 | 26° 2 | 27° 8 | 25°23 | 4°43 | T 17 |
| F 18 | 18 15 55 | 3°56'02 | 3♋31 | 10°54 | 18°56 | 9°20 | 20°45 | 4°18 | 28° 1 | 27° 7 | 0°52 | 26° 0 | 27° 5 | 25°29 | 4°45 | F 18 |
| S 19 | 18 19 52 | 4°53'15 | 15°49 | 10°19 | 19°47 | 9°54 | 20°57 | 4°17 | 27°59 | 27° 9 | 0°53 | 25°59 | 27° 1 | 25°36 | 4°48 | S 19 |
| S 20 | 18 23 48 | 5°50'27 | 27°55 | 9°43 | 20°39 | 10°28 | 21° 9 | 4°16 | 27°57 | 27°11 | 0°54 | 25°D58 | 26°58 | 25°43 | 4°50 | S 20 |
| M21 | 18 27 45 | 6°47'39 | 9♌53 | 9° 5 | 21°31 | 11° 2 | 21°21 | 4°15 | 27°56 | 27°13 | 0°55 | 25°59 | 26°55 | 25°49 | 4°52 | M21 |
| T 22 | 18 31 41 | 7°44'51 | 21°44 | 8°27 | 22°24 | 11°37 | 21°33 | 4°14 | 27°54 | 27°15 | 0°56 | 26° 0 | 26°52 | 25°56 | 4°55 | T 22 |
| W23 | 18 35 38 | 8°42'03 | 3♍33 | 7°50 | 23°17 | 12°11 | 21°45 | 4°13 | 27°52 | 27°17 | 0°58 | 26° 1 | 26°49 | 26° 3 | 4°57 | W23 |
| T 24 | 18 39 34 | 9°39'15 | 15°22 | 7°13 | 24°11 | 12°46 | 21°56 | 4°13 | 27°50 | 27°18 | 0°59 | 26° 3 | 26°46 | 26° 9 | 4°59 | T 24 |
| F 25 | 18 43 31 | 10°36'26 | 27°17 | 6°37 | 25° 5 | 13°21 | 22° 8 | 4°12 | 27°49 | 27°20 | 1° 0 | 26° 4 | 26°42 | 26°16 | 5° 1 | F 25 |
| S 26 | 18 47 28 | 11°33'38 | 9♎23 | 6° 3 | 26° 0 | 13°56 | 22°19 | 4°12 | 27°47 | 27°22 | 1° 1 | 26°R 4 | 26°39 | 26°23 | 5° 3 | S 26 |
| S 27 | 18 51 24 | 12°30'50 | 21°42 | 5°32 | 26°56 | 14°31 | 22°31 | 4°11 | 27°46 | 27°24 | 1° 2 | 26° 4 | 26°36 | 26°29 | 5° 5 | S 27 |
| M28 | 18 55 21 | 13°28'02 | 4♏21 | 5° 4 | 27°51 | 15° 6 | 22°42 | 4°11 | 27°44 | 27°25 | 1° 3 | 26° 3 | 26°33 | 26°36 | 5° 7 | M28 |
| T 29 | 18 59 17 | 14°25'15 | 17°22 | 4°40 | 28°48 | 15°41 | 22°53 | 4°11 | 27°43 | 27°27 | 1° 4 | 26° 2 | 26°30 | 26°43 | 5° 9 | T 29 |
| W30 | 19 3 14 | 15♋22'27 | 0♐49 | 4♋21 | 29♉44 | 16♍16 | 23♉ 5 | 4°D11 | 27♏41 | 27♉29 | 1♊ 5 | 26♑ 1 | 26♑27 | 26♌49 | 5♉11 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n57 | 19s25 | 5s 3 | 23n18 | 0n15 | 11n10 | 2s45 | 12n37 | 1n 9 | 16n 8 | 0s55 | 10s47 | 2n33 | 19s46 | 0n10 | 17n50 | 1s39 | 9n 7 | 11s27 | 20s54 | 20s38 | 11n35 | 12n10 | 0s46 |
| W 2 | 23 2 | 23 0 | 4 39 | 23 2 | 0 2 | 11 17 | 2 49 | 12 24 | 1 8 | 16 12 | 0 55 | 10 46 | 2 33 | 19 45 | 0 10 | 17 51 | 1 39 | 9 7 | 11 27 | 20 55 | 20 39 | 11 33 | 12 11 | 0 46 |
| T 3 | 23 7 | 25 22 | 3 58 | 22 46 | 0s12 | 11 25 | 2 53 | 12 12 | 1 7 | 16 16 | 0 55 | 10 45 | 2 33 | 19 45 | 0 10 | 17 51 | 1 39 | 9 7 | 11 27 | 20 56 | 20 39 | 11 30 | 12 11 | 0 46 |
| F 4 | 23 11 | 26 13 | 3 2 | 22 29 | 0 26 | 11 34 | 2 57 | 11 59 | 1 6 | 16 19 | 0 55 | 10 45 | 2 32 | 19 44 | 0 10 | 17 52 | 1 39 | 9 7 | 11 27 | 20 57 | 20 40 | 11 27 | 12 12 | 0 46 |
| S 5 | 23 15 | 25 20 | 1 54 | 22 13 | 0 41 | 11 42 | 3 1 | 11 47 | 1 5 | 16 23 | 0 55 | 10 44 | 2 32 | 19 44 | 0 10 | 17 52 | 1 39 | 9 7 | 11 27 | 20 58 | 20 41 | 11 24 | 12 13 | 0 46 |
| S 6 | 23 18 | 22 44 | 0 38 | 21 56 | 0 56 | 11 52 | 3 5 | 11 34 | 1 4 | 16 26 | 0 55 | 10 44 | 2 32 | 19 43 | 0 10 | 17 53 | 1 39 | 9 8 | 11 28 | 20 58 | 20 41 | 11 21 | 12 14 | 0 46 |
| M 7 | 23 21 | 18 39 | 0n42 | 21 39 | 1 12 | 12 1 | 3 8 | 11 21 | 1 3 | 16 30 | 0 55 | 10 43 | 2 32 | 19 43 | 0 10 | 17 53 | 1 39 | 9 8 | 11 28 | 20 58 | 20 42 | 11 18 | 12 15 | 0 46 |
| T 8 | 23 24 | 13 28 | 1 58 | 21 23 | 1 28 | 12 12 | 3 11 | 11 8 | 1 2 | 16 33 | 0 55 | 10 43 | 2 31 | 19 42 | 0 10 | 17 54 | 1 39 | 9 8 | 11 28 | 20 58 | 20 43 | 11 15 | 12 16 | 0 47 |
| W 9 | 23 26 | 7 35 | 3 7 | 21 6 | 1 44 | 12 22 | 3 13 | 10 55 | 1 1 | 16 37 | 0 55 | 10 42 | 2 31 | 19 42 | 0 10 | 17 54 | 1 39 | 9 8 | 11 28 | 20 58 | 20 43 | 11 12 | 12 17 | 0 47 |
| T 10 | 23 28 | 1 22 | 4 3 | 20 51 | 2 0 | 12 33 | 3 16 | 10 42 | 1 0 | 16 40 | 0 55 | 10 42 | 2 31 | 19 41 | 0 9 | 17 54 | 1 39 | 9 8 | 11 28 | 20 57 | 20 44 | 11 9 | 12 18 | 0 47 |
| F 11 | 23 29 | 4n49 | 4 44 | 20 35 | 2 16 | 12 44 | 3 18 | 10 29 | 0 59 | 16 44 | 0 55 | 10 41 | 2 31 | 19 41 | 0 9 | 17 55 | 1 39 | 9 9 | 11 28 | 20 57 | 20 44 | 11 6 | 12 19 | 0 47 |
| S 12 | 23 30 | 10 41 | 5 8 | 20 20 | 2 32 | 12 56 | 3 20 | 10 16 | 0 58 | 16 47 | 0 55 | 10 41 | 2 31 | 19 40 | 0 9 | 17 55 | 1 40 | 9 9 | 11 28 | 20 58 | 20 45 | 11 3 | 12 19 | 0 47 |
| S 13 | 23 31 | 15 56 | 5 13 | 20 6 | 2 47 | 13 8 | 3 22 | 10 2 | 0 57 | 16 51 | 0 55 | 10 41 | 2 30 | 19 40 | 0 9 | 17 56 | 1 40 | 9 9 | 11 28 | 20 58 | 20 46 | 11 0 | 12 20 | 0 47 |
| M14 | 23 31 | 20 19 | 5 2 | 19 52 | 3 3 | 13 20 | 3 24 | 9 49 | 0 56 | 16 54 | 0 55 | 10 40 | 2 30 | 19 40 | 0 9 | 17 56 | 1 40 | 9 9 | 11 28 | 20 59 | 20 46 | 10 57 | 12 21 | 0 47 |
| T 15 | 23 31 | 23 35 | 4 34 | 19 40 | 3 18 | 13 32 | 3 25 | 9 35 | 0 55 | 16 57 | 0 55 | 10 40 | 2 30 | 19 39 | 0 9 | 17 57 | 1 40 | 9 9 | 11 28 | 20 59 | 20 47 | 10 54 | 12 22 | 0 47 |
| W16 | 23 30 | 25 36 | 3 53 | 19 28 | 3 32 | 13 45 | 3 26 | 9 22 | 0 54 | 17 0 | 0 55 | 10 40 | 2 30 | 19 39 | 0 9 | 17 57 | 1 40 | 9 9 | 11 28 | 21 0 | 20 48 | 10 51 | 12 22 | 0 47 |
| T 17 | 23 29 | 26 13 | 3 1 | 19 17 | 3 45 | 13 58 | 3 27 | 9 8 | 0 53 | 17 4 | 0 55 | 10 40 | 2 29 | 19 38 | 0 9 | 17 57 | 1 40 | 9 9 | 11 28 | 21 1 | 20 48 | 10 48 | 12 23 | 0 48 |
| F 18 | 23 28 | 25 29 | 2 1 | 19 7 | 3 58 | 14 10 | 3 28 | 8 54 | 0 52 | 17 7 | 0 55 | 10 39 | 2 29 | 19 38 | 0 9 | 17 58 | 1 40 | 9 10 | 11 28 | 21 1 | 20 49 | 10 45 | 12 24 | 0 48 |
| S 19 | 23 26 | 23 30 | 0 56 | 18 59 | 4 9 | 14 23 | 3 29 | 8 40 | 0 51 | 17 10 | 0 55 | 10 39 | 2 29 | 19 37 | 0 9 | 17 58 | 1 40 | 9 10 | 11 29 | 21 1 | 20 49 | 10 42 | 12 25 | 0 48 |
| S 20 | 23 23 | 20 28 | 0s11 | 18 51 | 4 19 | 14 36 | 3 29 | 8 27 | 0 50 | 17 13 | 0 55 | 10 39 | 2 29 | 19 37 | 0 9 | 17 59 | 1 40 | 9 10 | 11 29 | 21 1 | 20 50 | 10 39 | 12 25 | 0 48 |
| M21 | 23 21 | 16 37 | 1 16 | 18 45 | 4 28 | 14 50 | 3 30 | 8 13 | 0 49 | 17 16 | 0 55 | 10 39 | 2 28 | 19 37 | 0 9 | 17 59 | 1 40 | 9 10 | 11 29 | 21 1 | 20 51 | 10 36 | 12 26 | 0 48 |
| T 22 | 23 17 | 12 8 | 2 18 | 18 40 | 4 36 | 15 3 | 3 30 | 7 59 | 0 48 | 17 19 | 0 55 | 10 39 | 2 28 | 19 36 | 0 9 | 17 59 | 1 40 | 9 10 | 11 29 | 21 1 | 20 51 | 10 33 | 12 27 | 0 48 |
| W23 | 23 14 | 7 14 | 3 13 | 18 36 | 4 41 | 15 16 | 3 30 | 7 44 | 0 47 | 17 22 | 0 55 | 10 39 | 2 28 | 19 36 | 0 9 | 18 0 | 1 40 | 9 10 | 11 29 | 21 1 | 20 52 | 10 31 | 12 27 | 0 48 |
| T 24 | 23 10 | 2 5 | 4 0 | 18 34 | 4 46 | 15 30 | 3 30 | 7 30 | 0 46 | 17 25 | 0 55 | 10 39 | 2 27 | 19 36 | 0 9 | 18 0 | 1 40 | 9 10 | 11 29 | 21 1 | 20 52 | 10 28 | 12 28 | 0 48 |
| F 25 | 23 6 | 3s10 | 4 38 | 18 33 | 4 48 | 15 43 | 3 29 | 7 16 | 0 45 | 17 28 | 0 55 | 10 39 | 2 27 | 19 35 | 0 9 | 18 1 | 1 40 | 9 10 | 11 29 | 21 0 | 20 53 | 10 25 | 12 29 | 0 49 |
| S 26 | 23 1 | 8 22 | 5 3 | 18 34 | 4 49 | 15 56 | 3 29 | 7 2 | 0 45 | 17 31 | 0 55 | 10 39 | 2 27 | 19 35 | 0 9 | 18 1 | 1 40 | 9 11 | 11 29 | 21 0 | 20 54 | 10 22 | 12 29 | 0 49 |
| S 27 | 22 56 | 13 22 | 5 16 | 18 36 | 4 49 | 16 10 | 3 28 | 6 47 | 0 44 | 17 34 | 0 56 | 10 39 | 2 27 | 19 35 | 0 9 | 18 1 | 1 40 | 9 11 | 11 29 | 21 0 | 20 54 | 10 19 | 12 30 | 0 49 |
| M28 | 22 50 | 17 55 | 5 13 | 18 39 | 4 46 | 16 23 | 3 27 | 6 33 | 0 43 | 17 37 | 0 56 | 10 40 | 2 26 | 19 34 | 0 9 | 18 2 | 1 40 | 9 11 | 11 30 | 21 0 | 20 55 | 10 16 | 12 30 | 0 49 |
| T 29 | 22 44 | 21 47 | 4 55 | 18 44 | 4 43 | 16 36 | 3 26 | 6 18 | 0 42 | 17 40 | 0 56 | 10 40 | 2 26 | 19 34 | 0 9 | 18 2 | 1 40 | 9 11 | 11 30 | 21 1 | 20 55 | 10 13 | 12 31 | 0 49 |
| W30 | 22n38 | 24s38 | 4s20 | 18n50 | 4s37 | 16n49 | 3s25 | 6n 4 | 0n41 | 17n42 | 0s56 | 10s40 | 2n26 | 19s34 | 0n 9 | 18n 2 | 1s40 | 9n11 | 11s30 | 21s 1 | 20s56 | 10n10 | 12n31 | 0s49 |

Julian Day Number = 2230732.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'24, Lahiri = 15°25'24 Julian Calendar 1 June 1395 == Greg. Calendar 9 June 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## JULY 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 7 10 | 16♋19'40 | 14♐40 | 4°R 5 | 0♊42 | 16♍52 | 23♉16 | 4♏11 | 27°R40 | 27♉30 | 1♊ 6 | 26°R 0 | 26♑23 | 26♌56 | 5♉13 | T 1 |
| F 2 | 19 11 7 | 17°16'53 | 28°56 | 3♋55 | 1°39 | 17°27 | 23°27 | 4°11 | 27♏39 | 27°32 | 1° 7 | 25♑59 | 26°20 | 27° 3 | 5°15 | F 2 |
| S 3 | 19 15 3 | 18°14'07 | 13♑31 | 3°D50 | 2°37 | 18° 3 | 23°38 | 4°11 | 27°37 | 27°33 | 1° 8 | 25°58 | 26°17 | 27° 9 | 5°17 | S 3 |
| S 4 | 19 19 0 | 19°11'21 | 28°21 | 3°50 | 3°36 | 18°39 | 23°48 | 4°12 | 27°36 | 27°35 | 1° 9 | 25°D58 | 26°14 | 27°16 | 5°19 | S 4 |
| M 5 | 19 22 57 | 20° 8'35 | 13♒17 | 3°56 | 4°35 | 19°14 | 23°59 | 4°12 | 27°35 | 27°37 | 1°10 | 25°58 | 26°11 | 27°23 | 5°20 | M 5 |
| T 6 | 19 26 53 | 21° 5'50 | 28°12 | 4° 8 | 5°34 | 19°50 | 24°10 | 4°13 | 27°34 | 27°38 | 1°11 | 25°59 | 26° 7 | 27°29 | 5°22 | T 6 |
| W 7 | 19 30 50 | 22° 3'06 | 12♓58 | 4°26 | 6°33 | 20°26 | 24°20 | 4°13 | 27°33 | 27°40 | 1°12 | 25°59 | 26° 4 | 27°36 | 5°23 | W 7 |
| T 8 | 19 34 46 | 23° 0'23 | 27°30 | 4°49 | 7°33 | 21° 2 | 24°31 | 4°14 | 27°32 | 27°41 | 1°13 | 25°59 | 26° 1 | 27°43 | 5°25 | T 8 |
| F 9 | 19 38 43 | 23°57'41 | 11♈43 | 5°19 | 8°33 | 21°38 | 24°41 | 4°15 | 27°31 | 27°42 | 1°14 | 25°59 | 25°58 | 27°49 | 5°26 | F 9 |
| S 10 | 19 42 39 | 24°55'00 | 25°36 | 5°54 | 9°34 | 22°15 | 24°51 | 4°15 | 27°30 | 27°44 | 1°15 | 25°R59 | 25°55 | 27°56 | 5°28 | S 10 |
| S 11 | 19 46 36 | 25°52'19 | 9♉ 8 | 6°36 | 10°35 | 22°51 | 25° 1 | 4°16 | 27°29 | 27°45 | 1°16 | 25°D59 | 25°52 | 28° 3 | 5°29 | S 11 |
| M12 | 19 50 32 | 26°49'41 | 22°20 | 7°23 | 11°36 | 23°27 | 25°11 | 4°18 | 27°28 | 27°47 | 1°16 | 26° 0 | 25°48 | 28° 9 | 5°30 | M12 |
| T 13 | 19 54 29 | 27°47'03 | 5♊15 | 8°16 | 12°38 | 24° 4 | 25°21 | 4°19 | 27°27 | 27°48 | 1°17 | 26° 0 | 25°45 | 28°16 | 5°32 | T 13 |
| W14 | 19 58 26 | 28°44'26 | 17°54 | 9°14 | 13°40 | 24°40 | 25°31 | 4°20 | 27°26 | 27°49 | 1°18 | 26° 0 | 25°42 | 28°23 | 5°33 | W14 |
| T 15 | 20 2 22 | 29°41'50 | 0♋19 | 10°18 | 14°42 | 25°17 | 25°40 | 4°21 | 27°26 | 27°50 | 1°19 | 26° 0 | 25°39 | 28°29 | 5°34 | T 15 |
| F 16 | 20 6 19 | 0♌39'16 | 12°33 | 11°28 | 15°44 | 25°54 | 25°50 | 4°23 | 27°25 | 27°52 | 1°20 | 26° 1 | 25°36 | 28°36 | 5°35 | F 16 |
| S 17 | 20 10 15 | 1°36'42 | 24°37 | 12°43 | 16°47 | 26°31 | 25°59 | 4°24 | 27°24 | 27°53 | 1°20 | 26°R 1 | 25°33 | 28°43 | 5°36 | S 17 |
| S 18 | 20 14 12 | 2°34'09 | 6♌35 | 14° 3 | 17°50 | 27° 8 | 26° 9 | 4°26 | 27°24 | 27°54 | 1°21 | 26° 1 | 25°29 | 28°49 | 5°37 | S 18 |
| M19 | 20 18 8 | 3°31'37 | 18°27 | 15°28 | 18°53 | 27°45 | 26°18 | 4°28 | 27°23 | 27°55 | 1°22 | 26° 0 | 25°26 | 28°56 | 5°38 | M19 |
| T 20 | 20 22 5 | 4°29'06 | 0♍16 | 16°58 | 19°56 | 28°22 | 26°27 | 4°30 | 27°23 | 27°56 | 1°23 | 25°59 | 25°23 | 29° 3 | 5°39 | T 20 |
| W21 | 20 26 2 | 5°26'36 | 12° 4 | 18°32 | 21° 0 | 28°59 | 26°36 | 4°32 | 27°22 | 27°58 | 1°23 | 25°58 | 25°20 | 29° 9 | 5°39 | W21 |
| T 22 | 20 29 58 | 6°24'07 | 23°55 | 20°10 | 22° 4 | 29°36 | 26°45 | 4°34 | 27°22 | 27°59 | 1°24 | 25°57 | 25°17 | 29°16 | 5°40 | T 22 |
| F 23 | 20 33 55 | 7°21'39 | 5♎51 | 21°53 | 23° 8 | 0♎14 | 26°53 | 4°36 | 27°21 | 28° 0 | 1°25 | 25°55 | 25°13 | 29°23 | 5°41 | F 23 |
| S 24 | 20 37 51 | 8°19'12 | 17°56 | 23°39 | 24°12 | 0°51 | 27° 2 | 4°38 | 27°21 | 28° 1 | 1°25 | 25°54 | 25°10 | 29°29 | 5°41 | S 24 |
| S 25 | 20 41 48 | 9°16'46 | 0♏14 | 25°28 | 25°17 | 1°29 | 27°10 | 4°40 | 27°21 | 28° 2 | 1°26 | 25°53 | 25° 7 | 29°36 | 5°42 | S 25 |
| M26 | 20 45 44 | 10°14'20 | 12°49 | 27°20 | 26°22 | 2° 7 | 27°18 | 4°43 | 27°21 | 28° 3 | 1°27 | 25°D53 | 25° 4 | 29°43 | 5°42 | M26 |
| T 27 | 20 49 41 | 11°11'56 | 25°45 | 29°14 | 27°27 | 2°44 | 27°27 | 4°45 | 27°21 | 28° 4 | 1°27 | 25°53 | 25° 1 | 29°49 | 5°43 | T 27 |
| W28 | 20 53 37 | 12° 9'33 | 9♐ 6 | 1♌11 | 28°32 | 3°22 | 27°35 | 4°48 | 27°21 | 28° 4 | 1°28 | 25°54 | 24°58 | 29°56 | 5°43 | W28 |
| T 29 | 20 57 34 | 13° 7'10 | 22°53 | 3° 9 | 29°38 | 4° 0 | 27°42 | 4°51 | 27°D21 | 28° 5 | 1°28 | 25°56 | 24°54 | 0♍ 3 | 5°43 | T 29 |
| F 30 | 21 1 31 | 14° 4'49 | 7♑ 6 | 5° 9 | 0♋43 | 4°38 | 27°50 | 4°53 | 27°21 | 28° 6 | 1°29 | 25°57 | 24°51 | 0° 9 | 5°44 | F 30 |
| S 31 | 21 5 27 | 15♌ 2'29 | 21♑44 | 7♌ 9 | 1♋49 | 5♎16 | 27♉58 | 4♏56 | 27♏21 | 28♉ 7 | 1♊29 | 25°R57 | 24♑48 | 0♍16 | 5♉44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n31 | 26s 6 | 3s30 | 18n57 | 4s31 | 17n 2 | 3s24 | 5n49 | 0n40 | 17n45 | 0s56 | 10s40 | 2n26 | 19s33 | 0n 9 | 18n 3 | 1s40 | 9n11 | 11s30 | 21s 1 | 20s57 | 10n 7 | 12n32 | 0s49 |
| F 2 | 22 24 | 25 55 | 2 24 | 19 5 | 4 23 | 17 15 | 3 23 | 5 34 | 0 39 | 17 48 | 0 56 | 10 41 | 2 25 | 19 33 | 0 9 | 18 3 | 1 40 | 9 11 | 11 30 | 21 1 | 20 57 | 10 4 | 12 32 | 0 50 |
| S 3 | 22 16 | 23 58 | 1 9 | 19 14 | 4 14 | 17 28 | 3 21 | 5 20 | 0 38 | 17 50 | 0 56 | 10 41 | 2 25 | 19 33 | 0 9 | 18 3 | 1 40 | 9 11 | 11 30 | 21 1 | 20 58 | 10 1 | 12 33 | 0 50 |
| S 4 | 22 8 | 20 21 | 0n13 | 19 24 | 4 4 | 17 40 | 3 20 | 5 5 | 0 37 | 17 53 | 0 56 | 10 41 | 2 25 | 19 33 | 0 9 | 18 4 | 1 40 | 9 11 | 11 30 | 21 1 | 20 58 | 9 58 | 12 33 | 0 50 |
| M 5 | 22 0 | 15 22 | 1 35 | 19 35 | 3 52 | 17 53 | 3 18 | 4 50 | 0 36 | 17 56 | 0 56 | 10 42 | 2 25 | 19 32 | 0 9 | 18 4 | 1 40 | 9 11 | 11 30 | 21 1 | 20 59 | 9 55 | 12 34 | 0 50 |
| T 6 | 21 51 | 9 29 | 2 50 | 19 47 | 3 40 | 18 5 | 3 16 | 4 35 | 0 36 | 17 58 | 0 56 | 10 42 | 2 24 | 19 32 | 0 9 | 18 4 | 1 40 | 9 11 | 11 31 | 21 1 | 21 0 | 9 52 | 12 34 | 0 50 |
| W 7 | 21 42 | 3 8 | 3 52 | 19 59 | 3 28 | 18 17 | 3 14 | 4 20 | 0 35 | 18 1 | 0 56 | 10 43 | 2 24 | 19 32 | 0 9 | 18 4 | 1 40 | 9 11 | 11 31 | 21 1 | 21 0 | 9 49 | 12 34 | 0 50 |
| T 8 | 21 33 | 3n16 | 4 39 | 20 12 | 3 14 | 18 29 | 3 12 | 4 5 | 0 34 | 18 3 | 0 56 | 10 43 | 2 24 | 19 32 | 0 9 | 18 5 | 1 40 | 9 11 | 11 31 | 21 1 | 21 1 | 9 46 | 12 35 | 0 50 |
| F 9 | 21 23 | 9 22 | 5 8 | 20 25 | 3 0 | 18 40 | 3 10 | 3 50 | 0 33 | 18 6 | 0 56 | 10 44 | 2 23 | 19 31 | 0 9 | 18 5 | 1 40 | 9 11 | 11 31 | 21 1 | 21 1 | 9 43 | 12 35 | 0 50 |
| S 10 | 21 13 | 14 51 | 5 18 | 20 37 | 2 46 | 18 52 | 3 8 | 3 35 | 0 32 | 18 8 | 0 56 | 10 44 | 2 23 | 19 31 | 0 9 | 18 5 | 1 40 | 9 11 | 11 31 | 21 1 | 21 2 | 9 40 | 12 35 | 0 51 |
| S 11 | 21 3 | 19 28 | 5 9 | 20 50 | 2 31 | 19 3 | 3 6 | 3 19 | 0 31 | 18 10 | 0 56 | 10 45 | 2 23 | 19 31 | 0 9 | 18 6 | 1 41 | 9 11 | 11 31 | 21 1 | 21 3 | 9 37 | 12 36 | 0 51 |
| M12 | 20 52 | 23 0 | 4 45 | 21 3 | 2 16 | 19 13 | 3 3 | 3 4 | 0 30 | 18 13 | 0 56 | 10 45 | 2 23 | 19 31 | 0 9 | 18 6 | 1 41 | 9 11 | 11 32 | 21 1 | 21 3 | 9 34 | 12 36 | 0 51 |
| T 13 | 20 40 | 25 17 | 4 6 | 21 15 | 2 1 | 19 24 | 3 1 | 2 49 | 0 29 | 18 15 | 0 56 | 10 46 | 2 22 | 19 31 | 0 9 | 18 6 | 1 41 | 9 11 | 11 32 | 21 1 | 21 4 | 9 31 | 12 36 | 0 51 |
| W14 | 20 29 | 26 13 | 3 16 | 21 26 | 1 46 | 19 34 | 2 58 | 2 34 | 0 29 | 18 17 | 0 56 | 10 47 | 2 22 | 19 30 | 0 9 | 18 6 | 1 41 | 9 11 | 11 32 | 21 1 | 21 4 | 9 28 | 12 37 | 0 51 |
| T 15 | 20 17 | 25 49 | 2 18 | 21 36 | 1 31 | 19 44 | 2 56 | 2 18 | 0 28 | 18 20 | 0 57 | 10 47 | 2 22 | 19 30 | 0 9 | 18 7 | 1 41 | 9 11 | 11 32 | 21 1 | 21 5 | 9 25 | 12 37 | 0 51 |
| F 16 | 20 5 | 24 9 | 1 14 | 21 46 | 1 16 | 19 53 | 2 53 | 2 3 | 0 27 | 18 22 | 0 57 | 10 48 | 2 22 | 19 30 | 0 9 | 18 7 | 1 41 | 9 11 | 11 32 | 21 1 | 21 6 | 9 22 | 12 37 | 0 51 |
| S 17 | 19 52 | 21 24 | 0 8 | 21 54 | 1 1 | 20 2 | 2 50 | 1 47 | 0 26 | 18 24 | 0 57 | 10 49 | 2 21 | 19 30 | 0 9 | 18 7 | 1 41 | 9 11 | 11 32 | 21 1 | 21 6 | 9 19 | 12 37 | 0 52 |
| S 18 | 19 39 | 17 45 | 0s58 | 22 0 | 0 47 | 20 11 | 2 47 | 1 32 | 0 25 | 18 26 | 0 57 | 10 50 | 2 21 | 19 30 | 0 9 | 18 7 | 1 41 | 9 11 | 11 33 | 21 1 | 21 7 | 9 16 | 12 37 | 0 52 |
| M19 | 19 26 | 13 26 | 2 1 | 22 5 | 0 32 | 20 19 | 2 44 | 1 16 | 0 24 | 18 28 | 0 57 | 10 50 | 2 21 | 19 30 | 0 9 | 18 7 | 1 41 | 9 11 | 11 33 | 21 1 | 21 7 | 9 13 | 12 38 | 0 52 |
| T 20 | 19 12 | 8 38 | 2 59 | 22 8 | 0 19 | 20 27 | 2 41 | 1 1 | 0 24 | 18 30 | 0 57 | 10 51 | 2 21 | 19 30 | 0 9 | 18 8 | 1 41 | 9 11 | 11 33 | 21 1 | 21 8 | 9 10 | 12 38 | 0 52 |
| W21 | 18 58 | 3 32 | 3 49 | 22 9 | 0 5 | 20 35 | 2 38 | 0 45 | 0 23 | 18 32 | 0 57 | 10 52 | 2 20 | 19 30 | 0 9 | 18 8 | 1 41 | 9 11 | 11 33 | 21 1 | 21 9 | 9 7 | 12 38 | 0 52 |
| T 22 | 18 44 | 1s41 | 4 29 | 22 7 | 0n 8 | 20 42 | 2 35 | 0 29 | 0 22 | 18 34 | 0 57 | 10 53 | 2 20 | 19 30 | 0 9 | 18 8 | 1 41 | 9 11 | 11 33 | 21 2 | 21 9 | 9 4 | 12 38 | 0 52 |
| F 23 | 18 30 | 6 52 | 4 57 | 22 4 | 0 20 | 20 49 | 2 32 | 0 14 | 0 21 | 18 36 | 0 57 | 10 54 | 2 20 | 19 30 | 0 9 | 18 8 | 1 41 | 9 11 | 11 33 | 21 2 | 21 10 | 9 1 | 12 38 | 0 52 |
| S 24 | 18 15 | 11 53 | 5 13 | 21 57 | 0 31 | 20 55 | 2 28 | 0s 2 | 0 20 | 18 38 | 0 57 | 10 55 | 2 19 | 19 29 | 0 9 | 18 8 | 1 41 | 9 11 | 11 34 | 21 2 | 21 10 | 8 58 | 12 38 | 0 53 |
| S 25 | 18 0 | 16 30 | 5 16 | 21 48 | 0 42 | 21 1 | 2 25 | 0 18 | 0 19 | 18 40 | 0 57 | 10 56 | 2 19 | 19 29 | 0 9 | 18 9 | 1 41 | 9 11 | 11 34 | 21 2 | 21 11 | 8 55 | 12 38 | 0 53 |
| M26 | 17 44 | 20 32 | 5 3 | 21 37 | 0 52 | 21 7 | 2 22 | 0 33 | 0 19 | 18 42 | 0 57 | 10 57 | 2 19 | 19 29 | 0 9 | 18 9 | 1 41 | 9 11 | 11 34 | 21 2 | 21 11 | 8 52 | 12 38 | 0 53 |
| T 27 | 17 28 | 23 42 | 4 35 | 21 22 | 1 1 | 21 11 | 2 18 | 0 49 | 0 18 | 18 43 | 0 57 | 10 58 | 2 19 | 19 29 | 0 9 | 18 9 | 1 41 | 9 11 | 11 34 | 21 2 | 21 12 | 8 49 | 12 38 | 0 53 |
| W28 | 17 12 | 25 41 | 3 51 | 21 5 | 1 9 | 21 16 | 2 15 | 1 5 | 0 17 | 18 45 | 0 58 | 10 59 | 2 18 | 19 29 | 0 9 | 18 9 | 1 41 | 9 11 | 11 34 | 21 2 | 21 13 | 8 46 | 12 38 | 0 53 |
| T 29 | 16 56 | 26 12 | 2 53 | 20 46 | 1 17 | 21 20 | 2 11 | 1 21 | 0 16 | 18 47 | 0 58 | 11 0 | 2 18 | 19 29 | 0 9 | 18 9 | 1 41 | 9 10 | 11 35 | 21 2 | 21 13 | 8 43 | 12 38 | 0 53 |
| F 30 | 16 39 | 25 2 | 1 42 | 20 24 | 1 23 | 21 23 | 2 8 | 1 37 | 0 15 | 18 48 | 0 58 | 11 2 | 2 18 | 19 29 | 0 9 | 18 9 | 1 41 | 9 10 | 11 35 | 21 2 | 21 14 | 8 40 | 12 38 | 0 53 |
| S 31 | 16n23 | 22s 8 | 0s23 | 19n59 | 1n29 | 21n26 | 2s 4 | 1s53 | 0n15 | 18n50 | 0s58 | 11s 3 | 2n18 | 19s29 | 0n 9 | 18n 9 | 1s41 | 9n10 | 11s35 | 21s 2 | 21s14 | 8n37 | 12n38 | 0s54 |

Julian Day Number = 2230762.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'28, Lahiri = 15°25'28 Julian Calendar 1 July 1395 == Greg. Calendar 9 July 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## AUGUST 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 9 24 | 16♌ 0'10 | 6♒42 | 9♌10 | 2♋55 | 5♎54 | 28♉ 5 | 4♏59 | 27♏21 | 28♉ 8 | 1♊30 | 25°R57 | 24♑45 | 0♍23 | 5♉44 | S 1 |
| M 2 | 21 13 20 | 16°57'52 | 21°52 | 11°11 | 4° 1 | 6°32 | 28°13 | 5° 2 | 27°21 | 28° 8 | 1°30 | 25♑56 | 24°42 | 0°30 | 5°R44 | M 2 |
| T 3 | 21 17 17 | 17°55'36 | 7♓ 4 | 13°13 | 5° 8 | 7°11 | 28°20 | 5° 5 | 27°21 | 28° 9 | 1°31 | 25°54 | 24°38 | 0°36 | 5°44 | T 3 |
| W 4 | 21 21 13 | 18°53'21 | 22°10 | 15°14 | 6°14 | 7°49 | 28°27 | 5° 8 | 27°21 | 28°10 | 1°31 | 25°51 | 24°35 | 0°43 | 5°44 | W 4 |
| T 5 | 21 25 10 | 19°51'08 | 6♈59 | 17°15 | 7°21 | 8°28 | 28°34 | 5°12 | 27°22 | 28°10 | 1°32 | 25°48 | 24°32 | 0°50 | 5°44 | T 5 |
| F 6 | 21 29 6 | 20°48'56 | 21°26 | 19°15 | 8°28 | 9° 6 | 28°40 | 5°15 | 27°22 | 28°11 | 1°32 | 25°45 | 24°29 | 0°56 | 5°44 | F 6 |
| S 7 | 21 33 3 | 21°46'47 | 5♉27 | 21°14 | 9°35 | 9°45 | 28°47 | 5°18 | 27°23 | 28°12 | 1°32 | 25°43 | 24°26 | 1° 3 | 5°43 | S 7 |
| S 8 | 21 36 59 | 22°44'39 | 19° 1 | 23°13 | 10°42 | 10°23 | 28°53 | 5°22 | 27°23 | 28°12 | 1°33 | 25°D42 | 24°23 | 1°10 | 5°43 | S 8 |
| M 9 | 21 40 56 | 23°42'33 | 2♊10 | 25°10 | 11°50 | 11° 2 | 28°59 | 5°26 | 27°24 | 28°13 | 1°33 | 25°42 | 24°19 | 1°16 | 5°43 | M 9 |
| T 10 | 21 44 53 | 24°40'29 | 14°57 | 27° 7 | 12°58 | 11°41 | 29° 6 | 5°29 | 27°24 | 28°13 | 1°33 | 25°43 | 24°16 | 1°23 | 5°42 | T 10 |
| W11 | 21 48 49 | 25°38'26 | 27°25 | 29° 2 | 14° 5 | 12°20 | 29°11 | 5°33 | 27°25 | 28°14 | 1°34 | 25°45 | 24°13 | 1°30 | 5°42 | W11 |
| T 12 | 21 52 46 | 26°36'26 | 9♋39 | 0♍56 | 15°13 | 12°59 | 29°17 | 5°37 | 27°25 | 28°14 | 1°34 | 25°47 | 24°10 | 1°36 | 5°41 | T 12 |
| F 13 | 21 56 42 | 27°34'27 | 21°41 | 2°49 | 16°21 | 13°38 | 29°23 | 5°41 | 27°26 | 28°14 | 1°34 | 25°R48 | 24° 7 | 1°43 | 5°41 | F 13 |
| S 14 | 22 0 39 | 28°32'30 | 3♌36 | 4°41 | 17°30 | 14°17 | 29°28 | 5°45 | 27°27 | 28°15 | 1°34 | 25°47 | 24° 4 | 1°50 | 5°40 | S 14 |
| S 15 | 22 4 35 | 29°30'35 | 15°27 | 6°31 | 18°38 | 14°57 | 29°33 | 5°49 | 27°28 | 28°15 | 1°35 | 25°46 | 24° 0 | 1°56 | 5°39 | S 15 |
| M16 | 22 8 32 | 0♍28'42 | 27°15 | 8°21 | 19°47 | 15°36 | 29°39 | 5°53 | 27°29 | 28°15 | 1°35 | 25°42 | 23°57 | 2° 3 | 5°38 | M16 |
| T 17 | 22 12 28 | 1°26'50 | 9♍ 4 | 10° 9 | 20°55 | 16°15 | 29°43 | 5°57 | 27°30 | 28°16 | 1°35 | 25°37 | 23°54 | 2°10 | 5°38 | T 17 |
| W18 | 22 16 25 | 2°25'00 | 20°55 | 11°56 | 22° 4 | 16°55 | 29°48 | 6° 2 | 27°31 | 28°16 | 1°35 | 25°31 | 23°51 | 2°16 | 5°37 | W18 |
| T 19 | 22 20 22 | 3°23'12 | 2♎50 | 13°41 | 23°13 | 17°34 | 29°53 | 6° 6 | 27°32 | 28°16 | 1°35 | 25°24 | 23°48 | 2°23 | 5°36 | T 19 |
| F 20 | 22 24 18 | 4°21'25 | 14°51 | 15°25 | 24°22 | 18°14 | 29°57 | 6°11 | 27°33 | 28°16 | 1°35 | 25°17 | 23°44 | 2°30 | 5°35 | F 20 |
| S 21 | 22 28 15 | 5°19'40 | 27° 0 | 17° 9 | 25°31 | 18°54 | 0♊ 1 | 6°15 | 27°34 | 28°16 | 1°35 | 25°11 | 23°41 | 2°36 | 5°34 | S 21 |
| S 22 | 22 32 11 | 6°17'57 | 9♏21 | 18°51 | 26°41 | 19°34 | 0° 5 | 6°20 | 27°35 | 28°16 | 1°35 | 25° 6 | 23°38 | 2°43 | 5°33 | S 22 |
| M23 | 22 36 8 | 7°16'15 | 21°55 | 20°32 | 27°50 | 20°14 | 0° 9 | 6°24 | 27°36 | 28°17 | 1°35 | 25° 3 | 23°35 | 2°50 | 5°31 | M23 |
| T 24 | 22 40 4 | 8°14'34 | 4♐47 | 22°11 | 29° 0 | 20°54 | 0°13 | 6°29 | 27°38 | 28°R17 | 1°R35 | 25°D 1 | 23°32 | 2°56 | 5°30 | T 24 |
| W25 | 22 44 1 | 9°12'56 | 18° 0 | 23°50 | 0♌10 | 21°34 | 0°16 | 6°34 | 27°39 | 28°17 | 1°35 | 25° 2 | 23°29 | 3° 3 | 5°29 | W25 |
| T 26 | 22 47 57 | 10°11'19 | 1♑37 | 25°27 | 1°20 | 22°14 | 0°20 | 6°39 | 27°40 | 28°16 | 1°35 | 25° 3 | 23°25 | 3°10 | 5°27 | T 26 |
| F 27 | 22 51 54 | 11° 9'43 | 15°40 | 27° 4 | 2°30 | 22°54 | 0°23 | 6°44 | 27°42 | 28°16 | 1°35 | 25° 4 | 23°22 | 3°16 | 5°26 | F 27 |
| S 28 | 22 55 51 | 12° 8'09 | 0♒ 8 | 28°39 | 3°40 | 23°34 | 0°26 | 6°49 | 27°43 | 28°16 | 1°35 | 25°R 4 | 23°19 | 3°23 | 5°25 | S 28 |
| S 29 | 22 59 47 | 13° 6'37 | 14°58 | 0♎13 | 4°50 | 24°15 | 0°28 | 6°54 | 27°45 | 28°16 | 1°35 | 25° 3 | 23°16 | 3°30 | 5°23 | S 29 |
| M30 | 23 3 44 | 14° 5'07 | 0♓ 6 | 1°46 | 6° 0 | 24°55 | 0°31 | 6°59 | 27°47 | 28°16 | 1°35 | 24°59 | 23°13 | 3°36 | 5°22 | M30 |
| T 31 | 23 7 40 | 15♍ 3'38 | 15♓22 | 3♎18 | 7♌11 | 25♎35 | 0♊33 | 7♏ 4 | 27♏48 | 28♉16 | 1♊35 | 24♑53 | 23♑10 | 3♍43 | 5♉20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n 6 | 17s43 | 0n59 | 19n32 | 1n34 | 21n29 | 2s 0 | 2s 8 | 0n14 | 18n52 | 0s58 | 11s 4 | 2n17 | 19s29 | 0n 9 | 18n10 | 1s42 | 9n10 | 11s35 | 21s 2 | 21s15 | 8n34 | 12n38 | 0s54 |
| M 2 | 15 48 | 12 5 | 2 18 | 19 3 | 1 38 | 21 31 | 1 57 | 2 24 | 0 13 | 18 53 | 0 58 | 11 5 | 2 17 | 19 30 | 0 9 | 18 10 | 1 42 | 9 10 | 11 35 | 21 2 | 21 15 | 8 31 | 12 38 | 0 54 |
| T 3 | 15 31 | 5 44 | 3 28 | 18 31 | 1 41 | 21 32 | 1 53 | 2 40 | 0 12 | 18 55 | 0 58 | 11 7 | 2 17 | 19 30 | 0 9 | 18 10 | 1 42 | 9 10 | 11 36 | 21 2 | 21 16 | 8 28 | 12 38 | 0 54 |
| W 4 | 15 13 | 0n53 | 4 22 | 17 58 | 1 44 | 21 33 | 1 49 | 2 56 | 0 11 | 18 56 | 0 58 | 11 8 | 2 17 | 19 30 | 0 9 | 18 10 | 1 42 | 9 10 | 11 36 | 21 3 | 21 17 | 8 25 | 12 37 | 0 54 |
| T 5 | 14 55 | 7 20 | 4 58 | 17 23 | 1 45 | 21 34 | 1 45 | 3 12 | 0 11 | 18 57 | 0 58 | 11 9 | 2 16 | 19 30 | 0 9 | 18 10 | 1 42 | 9 10 | 11 36 | 21 3 | 21 17 | 8 22 | 12 37 | 0 54 |
| F 6 | 14 36 | 13 13 | 5 14 | 16 47 | 1 46 | 21 33 | 1 42 | 3 28 | 0 10 | 18 59 | 0 58 | 11 11 | 2 16 | 19 30 | 0 9 | 18 10 | 1 42 | 9 10 | 11 36 | 21 4 | 21 18 | 8 19 | 12 37 | 0 54 |
| S 7 | 14 18 | 18 15 | 5 10 | 16 9 | 1 46 | 21 33 | 1 38 | 3 44 | 0 9 | 19 0 | 0 58 | 11 12 | 2 16 | 19 30 | 0 9 | 18 10 | 1 42 | 9 9 | 11 36 | 21 4 | 21 18 | 8 16 | 12 37 | 0 55 |
| S 8 | 13 59 | 22 9 | 4 49 | 15 29 | 1 46 | 21 31 | 1 34 | 4 0 | 0 8 | 19 1 | 0 59 | 11 13 | 2 16 | 19 30 | 0 9 | 18 10 | 1 42 | 9 9 | 11 37 | 21 4 | 21 19 | 8 13 | 12 37 | 0 55 |
| M 9 | 13 40 | 24 48 | 4 13 | 14 49 | 1 45 | 21 30 | 1 30 | 4 16 | 0 8 | 19 3 | 0 59 | 11 15 | 2 15 | 19 30 | 0 9 | 18 10 | 1 42 | 9 9 | 11 37 | 21 4 | 21 19 | 8 10 | 12 36 | 0 55 |
| T 10 | 13 20 | 26 4 | 3 26 | 14 8 | 1 43 | 21 27 | 1 26 | 4 32 | 0 7 | 19 4 | 0 59 | 11 16 | 2 15 | 19 30 | 0 8 | 18 10 | 1 42 | 9 9 | 11 37 | 21 4 | 21 20 | 8 7 | 12 36 | 0 55 |
| W11 | 13 1 | 25 59 | 2 29 | 13 25 | 1 41 | 21 24 | 1 22 | 4 48 | 0 6 | 19 5 | 0 59 | 11 18 | 2 15 | 19 31 | 0 8 | 18 10 | 1 42 | 9 9 | 11 37 | 21 4 | 21 21 | 8 4 | 12 36 | 0 55 |
| T 12 | 12 41 | 24 37 | 1 27 | 12 42 | 1 38 | 21 21 | 1 19 | 5 4 | 0 5 | 19 6 | 0 59 | 11 19 | 2 15 | 19 31 | 0 8 | 18 10 | 1 42 | 9 9 | 11 37 | 21 4 | 21 21 | 8 1 | 12 36 | 0 55 |
| F 13 | 12 21 | 22 8 | 0 23 | 11 59 | 1 35 | 21 17 | 1 15 | 5 20 | 0 5 | 19 7 | 0 59 | 11 21 | 2 15 | 19 31 | 0 8 | 18 10 | 1 42 | 9 9 | 11 38 | 21 3 | 21 22 | 7 58 | 12 35 | 0 55 |
| S 14 | 12 1 | 18 43 | 0s43 | 11 14 | 1 31 | 21 12 | 1 11 | 5 36 | 0 4 | 19 8 | 0 59 | 11 22 | 2 14 | 19 31 | 0 8 | 18 10 | 1 42 | 9 8 | 11 38 | 21 3 | 21 22 | 7 55 | 12 35 | 0 56 |
| S 15 | 11 41 | 14 35 | 1 45 | 10 30 | 1 27 | 21 7 | 1 7 | 5 52 | 0 3 | 19 10 | 0 59 | 11 24 | 2 14 | 19 31 | 0 8 | 18 11 | 1 42 | 9 8 | 11 38 | 21 4 | 21 23 | 7 52 | 12 34 | 0 56 |
| M16 | 11 20 | 9 54 | 2 43 | 9 45 | 1 23 | 21 1 | 1 3 | 6 7 | 0 2 | 19 11 | 0 59 | 11 25 | 2 14 | 19 32 | 0 8 | 18 11 | 1 42 | 9 8 | 11 38 | 21 4 | 21 23 | 7 49 | 12 34 | 0 56 |
| T 17 | 11 0 | 4 53 | 3 34 | 8 59 | 1 18 | 20 55 | 0 59 | 6 23 | 0 2 | 19 11 | 0 59 | 11 27 | 2 14 | 19 32 | 0 8 | 18 11 | 1 42 | 9 8 | 11 39 | 21 5 | 21 24 | 7 46 | 12 34 | 0 56 |
| W18 | 10 39 | 0s18 | 4 16 | 8 14 | 1 13 | 20 48 | 0 55 | 6 39 | 0 1 | 19 12 | 1 0 | 11 29 | 2 13 | 19 32 | 0 8 | 18 11 | 1 42 | 9 8 | 11 39 | 21 7 | 21 24 | 7 43 | 12 33 | 0 56 |
| T 19 | 10 18 | 5 30 | 4 46 | 7 28 | 1 7 | 20 40 | 0 51 | 6 55 | 0 0 | 19 13 | 1 0 | 11 30 | 2 13 | 19 32 | 0 8 | 18 11 | 1 42 | 9 8 | 11 39 | 21 8 | 21 25 | 7 40 | 12 33 | 0 56 |
| F 20 | 9 57 | 10 33 | 5 5 | 6 42 | 1 1 | 20 32 | 0 48 | 7 11 | 0s 1 | 19 14 | 1 0 | 11 32 | 2 13 | 19 33 | 0 8 | 18 10 | 1 43 | 9 7 | 11 39 | 21 9 | 21 25 | 7 37 | 12 32 | 0 56 |
| S 21 | 9 35 | 15 15 | 5 10 | 5 57 | 0 55 | 20 23 | 0 44 | 7 27 | 0 1 | 19 15 | 1 0 | 11 34 | 2 13 | 19 33 | 0 8 | 18 10 | 1 43 | 9 7 | 11 39 | 21 10 | 21 26 | 7 33 | 12 32 | 0 57 |
| S 22 | 9 14 | 19 24 | 5 0 | 5 11 | 0 49 | 20 14 | 0 40 | 7 43 | 0 2 | 19 16 | 1 0 | 11 35 | 2 13 | 19 33 | 0 8 | 18 10 | 1 43 | 9 7 | 11 40 | 21 11 | 21 27 | 7 30 | 12 31 | 0 57 |
| M23 | 8 52 | 22 45 | 4 37 | 4 25 | 0 43 | 20 4 | 0 36 | 7 58 | 0 3 | 19 16 | 1 0 | 11 37 | 2 12 | 19 33 | 0 8 | 18 10 | 1 43 | 9 7 | 11 40 | 21 12 | 21 27 | 7 27 | 12 31 | 0 57 |
| T 24 | 8 30 | 25 4 | 3 58 | 3 40 | 0 36 | 19 54 | 0 32 | 8 14 | 0 4 | 19 17 | 1 0 | 11 39 | 2 12 | 19 34 | 0 8 | 18 10 | 1 43 | 9 7 | 11 40 | 21 12 | 21 28 | 7 24 | 12 30 | 0 57 |
| W25 | 8 8 | 26 5 | 3 7 | 2 54 | 0 29 | 19 43 | 0 29 | 8 30 | 0 4 | 19 18 | 1 0 | 11 41 | 2 12 | 19 34 | 0 8 | 18 10 | 1 43 | 9 6 | 11 40 | 21 12 | 21 28 | 7 21 | 12 30 | 0 57 |
| T 26 | 7 46 | 25 34 | 2 3 | 2 9 | 0 22 | 19 32 | 0 25 | 8 46 | 0 5 | 19 18 | 1 0 | 11 42 | 2 12 | 19 34 | 0 8 | 18 10 | 1 43 | 9 6 | 11 40 | 21 12 | 21 29 | 7 18 | 12 29 | 0 57 |
| F 27 | 7 24 | 23 26 | 0 51 | 1 24 | 0 15 | 19 20 | 0 21 | 9 1 | 0 6 | 19 19 | 1 0 | 11 44 | 2 12 | 19 35 | 0 8 | 18 10 | 1 43 | 9 6 | 11 41 | 21 11 | 21 29 | 7 15 | 12 28 | 0 57 |
| S 28 | 7 2 | 19 45 | 0n27 | 0 40 | 0 8 | 19 7 | 0 17 | 9 17 | 0 6 | 19 19 | 1 1 | 11 46 | 2 11 | 19 35 | 0 8 | 18 10 | 1 43 | 9 6 | 11 41 | 21 11 | 21 30 | 7 12 | 12 28 | 0 58 |
| S 29 | 6 39 | 14 43 | 1 45 | 0s 4 | 0 1 | 18 54 | 0 14 | 9 32 | 0 7 | 19 20 | 1 1 | 11 48 | 2 11 | 19 35 | 0 8 | 18 10 | 1 43 | 9 5 | 11 41 | 21 12 | 21 30 | 7 9 | 12 27 | 0 58 |
| M30 | 6 17 | 8 42 | 2 57 | 0 48 | 0s 7 | 18 40 | 0 10 | 9 48 | 0 8 | 19 20 | 1 1 | 11 50 | 2 11 | 19 36 | 0 8 | 18 10 | 1 43 | 9 5 | 11 41 | 21 12 | 21 31 | 7 6 | 12 27 | 0 58 |
| T 31 | 5n54 | 2s 9 | 3n57 | 1s32 | 0s14 | 18n26 | 0s 7 | 10s 3 | 0s 8 | 19n21 | 1s 1 | 11s52 | 2n11 | 19s36 | 0n 8 | 18n10 | 1s43 | 9n 5 | 11s41 | 21s13 | 21s31 | 7n 3 | 12n26 | 0s58 |

Julian Day Number = 2230793.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'32, Lahiri = 15°25'33 Julian Calendar 1 Aug. 1395 == Greg. Calendar 9 Aug. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## SEPTEMBER 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 11 37 | 16♍ 2'11 | 0♈35 | 4♎49 | 8♌21 | 26♎16 | 0♊35 | 7♏ 9 | 27♏50 | 28°R15 | 1°R35 | 24°R46 | 23♉ 6 | 3♍50 | 5°R18 | W 1 |
| T 2 | 23 15 33 | 17° 0'46 | 15°35 | 6°19 | 9°32 | 26°57 | 0°37 | 7°15 | 27°52 | 28♉15 | 1♊35 | 24♉38 | 23° 3 | 3°56 | 5♉17 | T 2 |
| F 3 | 23 19 30 | 17°59'24 | 0♉14 | 7°48 | 10°43 | 27°37 | 0°39 | 7°20 | 27°53 | 28°15 | 1°34 | 24°30 | 23° 0 | 4° 3 | 5°15 | F 3 |
| S 4 | 23 23 26 | 18°58'03 | 14°25 | 9°15 | 11°54 | 28°18 | 0°41 | 7°26 | 27°55 | 28°15 | 1°34 | 24°24 | 22°57 | 4°10 | 5°13 | S 4 |
| S 5 | 23 27 23 | 19°56'45 | 28° 7 | 10°42 | 13° 5 | 28°59 | 0°42 | 7°31 | 27°57 | 28°14 | 1°34 | 24°20 | 22°54 | 4°16 | 5°11 | S 5 |
| M 6 | 23 31 20 | 20°55'29 | 11♊19 | 12° 8 | 14°16 | 29°40 | 0°43 | 7°37 | 27°59 | 28°14 | 1°34 | 24°17 | 22°50 | 4°23 | 5° 9 | M 6 |
| T 7 | 23 35 16 | 21°54'16 | 24° 6 | 13°32 | 15°27 | 0♏21 | 0°44 | 7°42 | 28° 1 | 28°13 | 1°33 | 24°D17 | 22°47 | 4°30 | 5° 7 | T 7 |
| W 8 | 23 39 13 | 22°53'05 | 6♋31 | 14°55 | 16°38 | 1° 2 | 0°45 | 7°48 | 28° 3 | 28°13 | 1°33 | 24°18 | 22°44 | 4°37 | 5° 5 | W 8 |
| T 9 | 23 43 9 | 23°51'56 | 18°40 | 16°18 | 17°50 | 1°43 | 0°46 | 7°54 | 28° 5 | 28°12 | 1°33 | 24°R18 | 22°41 | 4°43 | 5° 3 | T 9 |
| F 10 | 23 47 6 | 24°50'49 | 0♌37 | 17°39 | 19° 1 | 2°24 | 0°46 | 7°59 | 28° 7 | 28°12 | 1°32 | 24°18 | 22°38 | 4°50 | 5° 1 | F 10 |
| S 11 | 23 51 2 | 25°49'45 | 12°28 | 18°58 | 20°13 | 3° 6 | 0°R46 | 8° 5 | 28° 9 | 28°11 | 1°32 | 24°16 | 22°35 | 4°57 | 4°59 | S 11 |
| S 12 | 23 54 59 | 26°48'43 | 24°16 | 20°17 | 21°25 | 3°47 | 0°46 | 8°11 | 28°11 | 28°11 | 1°32 | 24°12 | 22°31 | 5° 3 | 4°57 | S 12 |
| M13 | 23 58 55 | 27°47'43 | 6♍ 4 | 21°34 | 22°37 | 4°29 | 0°46 | 8°17 | 28°14 | 28°10 | 1°31 | 24° 5 | 22°28 | 5°10 | 4°54 | M13 |
| T 14 | 0 2 52 | 28°46'45 | 17°56 | 22°50 | 23°49 | 5°10 | 0°46 | 8°23 | 28°16 | 28° 9 | 1°31 | 23°56 | 22°25 | 5°17 | 4°52 | T 14 |
| W15 | 0 6 49 | 29°45'49 | 29°53 | 24° 4 | 25° 1 | 5°52 | 0°45 | 8°29 | 28°18 | 28° 9 | 1°30 | 23°44 | 22°22 | 5°23 | 4°50 | W15 |
| T 16 | 0 10 45 | 0♎44'55 | 11♎56 | 25°16 | 26°13 | 6°33 | 0°44 | 8°35 | 28°20 | 28° 8 | 1°30 | 23°32 | 22°19 | 5°30 | 4°47 | T 16 |
| F 17 | 0 14 42 | 1°44'03 | 24° 7 | 26°27 | 27°25 | 7°15 | 0°43 | 8°41 | 28°23 | 28° 7 | 1°29 | 23°19 | 22°15 | 5°37 | 4°45 | F 17 |
| S 18 | 0 18 38 | 2°43'14 | 6♏27 | 27°36 | 28°37 | 7°57 | 0°42 | 8°48 | 28°25 | 28° 6 | 1°29 | 23° 7 | 22°12 | 5°43 | 4°43 | S 18 |
| S 19 | 0 22 35 | 3°42'26 | 18°57 | 28°44 | 29°50 | 8°39 | 0°40 | 8°54 | 28°28 | 28° 6 | 1°28 | 22°58 | 22° 9 | 5°50 | 4°40 | S 19 |
| M20 | 0 26 31 | 4°41'40 | 1♐38 | 29°49 | 1♍ 2 | 9°21 | 0°39 | 9° 0 | 28°30 | 28° 5 | 1°28 | 22°51 | 22° 6 | 5°57 | 4°38 | M20 |
| T 21 | 0 30 28 | 5°40'56 | 14°33 | 0♏51 | 2°15 | 10° 3 | 0°37 | 9° 6 | 28°33 | 28° 4 | 1°27 | 22°47 | 22° 3 | 6° 3 | 4°35 | T 21 |
| W22 | 0 34 24 | 6°40'14 | 27°44 | 1°52 | 3°27 | 10°45 | 0°35 | 9°13 | 28°35 | 28° 3 | 1°27 | 22°45 | 22° 0 | 6°10 | 4°32 | W22 |
| T 23 | 0 38 21 | 7°39'34 | 11♑14 | 2°49 | 4°40 | 11°27 | 0°33 | 9°19 | 28°38 | 28° 2 | 1°26 | 22°D45 | 21°56 | 6°17 | 4°30 | T 23 |
| F 24 | 0 42 18 | 8°38'55 | 25° 4 | 3°44 | 5°53 | 12° 9 | 0°30 | 9°26 | 28°41 | 28° 1 | 1°25 | 22°R45 | 21°53 | 6°23 | 4°27 | F 24 |
| S 25 | 0 46 14 | 9°38'18 | 9♒17 | 4°36 | 7° 5 | 12°52 | 0°28 | 9°32 | 28°43 | 28° 0 | 1°25 | 22°44 | 21°50 | 6°30 | 4°24 | S 25 |
| S 26 | 0 50 11 | 10°37'43 | 23°50 | 5°24 | 8°18 | 13°34 | 0°25 | 9°39 | 28°46 | 27°59 | 1°24 | 22°41 | 21°47 | 6°37 | 4°22 | S 26 |
| M27 | 0 54 7 | 11°37'10 | 8♓41 | 6° 8 | 9°31 | 14°16 | 0°22 | 9°45 | 28°49 | 27°58 | 1°23 | 22°36 | 21°44 | 6°43 | 4°19 | M27 |
| T 28 | 0 58 4 | 12°36'38 | 23°43 | 6°48 | 10°44 | 14°59 | 0°18 | 9°52 | 28°52 | 27°57 | 1°23 | 22°27 | 21°41 | 6°50 | 4°16 | T 28 |
| W29 | 1 2 0 | 13°36'09 | 8♈47 | 7°23 | 11°58 | 15°42 | 0°15 | 9°58 | 28°54 | 27°56 | 1°22 | 22°17 | 21°37 | 6°57 | 4°13 | W29 |
| T 30 | 1 5 57 | 14♎35'41 | 23♈44 | 7♏53 | 13♍11 | 16♏24 | 0♊11 | 10♏ 5 | 28♏57 | 27♉55 | 1♊21 | 22♉ 5 | 21♉34 | 7♍ 4 | 4♉11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5n32 | 4n31 | 4n40 | 2s15 | 0s22 | 18n11 | 0s 3 | 10s19 | 0s 9 | 19n21 | 1s 1 | 11s53 | 2n11 | 19s37 | 0n 8 | 18n10 | 1s43 | 9n 5 | 11s42 | 21s15 | 21s32 | 7n 0 | 12n25 | 0s58 |
| T 2 | 5 9 | 10 48 | 5 3 | 2 58 | 0 29 | 17 56 | 0n 0 | 10 34 | 0 10 | 19 21 | 1 1 | 11 55 | 2 10 | 19 37 | 0 8 | 18 10 | 1 43 | 9 5 | 11 42 | 21 16 | 21 33 | 6 57 | 12 24 | 0 58 |
| F 3 | 4 46 | 16 21 | 5 5 | 3 40 | 0 37 | 17 40 | 0 4 | 10 50 | 0 11 | 19 22 | 1 1 | 11 57 | 2 10 | 19 37 | 0 8 | 18 9 | 1 43 | 9 4 | 11 42 | 21 17 | 21 33 | 6 54 | 12 24 | 0 58 |
| S 4 | 4 23 | 20 48 | 4 48 | 4 22 | 0 45 | 17 24 | 0 7 | 11 5 | 0 11 | 19 22 | 1 1 | 11 59 | 2 10 | 19 38 | 0 8 | 18 9 | 1 43 | 9 4 | 11 42 | 21 19 | 21 34 | 6 51 | 12 23 | 0 59 |
| S 5 | 4 0 | 23 57 | 4 15 | 5 3 | 0 53 | 17 7 | 0 11 | 11 20 | 0 12 | 19 22 | 1 1 | 12 1 | 2 10 | 19 38 | 0 8 | 18 9 | 1 43 | 9 4 | 11 43 | 21 19 | 21 34 | 6 48 | 12 22 | 0 59 |
| M 6 | 3 37 | 25 40 | 3 29 | 5 44 | 1 0 | 16 50 | 0 14 | 11 35 | 0 13 | 19 22 | 1 1 | 12 3 | 2 10 | 19 39 | 0 8 | 18 9 | 1 43 | 9 4 | 11 43 | 21 20 | 21 35 | 6 45 | 12 22 | 0 59 |
| T 7 | 3 13 | 25 58 | 2 35 | 6 24 | 1 8 | 16 32 | 0 17 | 11 50 | 0 13 | 19 22 | 1 2 | 12 5 | 2 10 | 19 39 | 0 8 | 18 9 | 1 43 | 9 3 | 11 43 | 21 20 | 21 35 | 6 42 | 12 21 | 0 59 |
| W 8 | 2 50 | 24 55 | 1 34 | 7 4 | 1 16 | 16 14 | 0 21 | 12 5 | 0 14 | 19 22 | 1 2 | 12 7 | 2 9 | 19 40 | 0 8 | 18 9 | 1 44 | 9 3 | 11 43 | 21 20 | 21 36 | 6 39 | 12 20 | 0 59 |
| T 9 | 2 27 | 22 43 | 0 30 | 7 42 | 1 23 | 15 55 | 0 24 | 12 20 | 0 15 | 19 22 | 1 2 | 12 9 | 2 9 | 19 40 | 0 8 | 18 9 | 1 44 | 9 3 | 11 43 | 21 20 | 21 36 | 6 36 | 12 19 | 0 59 |
| F 10 | 2 3 | 19 32 | 0s34 | 8 21 | 1 31 | 15 36 | 0 27 | 12 35 | 0 15 | 19 22 | 1 2 | 12 11 | 2 9 | 19 41 | 0 8 | 18 8 | 1 44 | 9 3 | 11 44 | 21 20 | 21 37 | 6 33 | 12 18 | 0 59 |
| S 11 | 1 40 | 15 36 | 1 36 | 8 58 | 1 38 | 15 16 | 0 30 | 12 50 | 0 16 | 19 22 | 1 2 | 12 13 | 2 9 | 19 41 | 0 8 | 18 8 | 1 44 | 9 2 | 11 44 | 21 20 | 21 37 | 6 30 | 12 17 | 1 0 |
| S 12 | 1 16 | 11 5 | 2 33 | 9 35 | 1 46 | 14 56 | 0 33 | 13 5 | 0 17 | 19 22 | 1 2 | 12 15 | 2 9 | 19 42 | 0 8 | 18 8 | 1 44 | 9 2 | 11 44 | 21 21 | 21 38 | 6 27 | 12 17 | 1 0 |
| M13 | 0 53 | 6 10 | 3 23 | 10 11 | 1 53 | 14 36 | 0 36 | 13 20 | 0 17 | 19 22 | 1 2 | 12 17 | 2 9 | 19 42 | 0 8 | 18 8 | 1 44 | 9 2 | 11 44 | 21 22 | 21 38 | 6 24 | 12 16 | 1 0 |
| T 14 | 0 29 | 1 1 | 4 5 | 10 46 | 2 0 | 14 15 | 0 39 | 13 34 | 0 18 | 19 22 | 1 2 | 12 19 | 2 8 | 19 43 | 0 8 | 18 8 | 1 44 | 9 1 | 11 44 | 21 24 | 21 39 | 6 21 | 12 15 | 1 0 |
| W15 | 0 6 | 4s11 | 4 37 | 11 20 | 2 7 | 13 53 | 0 42 | 13 49 | 0 19 | 19 22 | 1 2 | 12 21 | 2 8 | 19 43 | 0 8 | 18 7 | 1 44 | 9 1 | 11 44 | 21 26 | 21 39 | 6 18 | 12 14 | 1 0 |
| T 16 | 0s18 | 9 16 | 4 56 | 11 53 | 2 14 | 13 32 | 0 45 | 14 3 | 0 19 | 19 21 | 1 2 | 12 23 | 2 8 | 19 44 | 0 8 | 18 7 | 1 44 | 9 1 | 11 45 | 21 28 | 21 40 | 6 15 | 12 13 | 1 0 |
| F 17 | 0 42 | 14 3 | 5 2 | 12 25 | 2 21 | 13 9 | 0 48 | 14 17 | 0 20 | 19 21 | 1 2 | 12 26 | 2 8 | 19 44 | 0 8 | 18 7 | 1 44 | 9 1 | 11 45 | 21 30 | 21 40 | 6 12 | 12 12 | 1 0 |
| S 18 | 1 5 | 18 20 | 4 54 | 12 56 | 2 27 | 12 47 | 0 50 | 14 32 | 0 21 | 19 21 | 1 3 | 12 28 | 2 8 | 19 45 | 0 8 | 18 7 | 1 44 | 9 0 | 11 45 | 21 32 | 21 41 | 6 9 | 12 11 | 1 0 |
| S 19 | 1 29 | 21 52 | 4 32 | 13 27 | 2 33 | 12 24 | 0 53 | 14 46 | 0 21 | 19 20 | 1 3 | 12 30 | 2 8 | 19 45 | 0 8 | 18 7 | 1 44 | 9 0 | 11 45 | 21 33 | 21 41 | 6 6 | 12 10 | 1 1 |
| M20 | 1 52 | 24 24 | 3 56 | 13 55 | 2 39 | 12 1 | 0 56 | 15 0 | 0 22 | 19 20 | 1 3 | 12 32 | 2 7 | 19 46 | 0 8 | 18 6 | 1 44 | 9 0 | 11 45 | 21 35 | 21 42 | 6 3 | 12 9 | 1 1 |
| T 21 | 2 16 | 25 44 | 3 8 | 14 23 | 2 45 | 11 37 | 0 58 | 15 14 | 0 22 | 19 19 | 1 3 | 12 34 | 2 7 | 19 47 | 0 8 | 18 6 | 1 44 | 9 0 | 11 46 | 21 35 | 21 42 | 5 59 | 12 8 | 1 1 |
| W22 | 2 39 | 25 38 | 2 8 | 14 49 | 2 50 | 11 13 | 1 1 | 15 28 | 0 23 | 19 19 | 1 3 | 12 36 | 2 7 | 19 47 | 0 8 | 18 6 | 1 44 | 8 59 | 11 46 | 21 36 | 21 43 | 5 56 | 12 7 | 1 1 |
| T 23 | 3 3 | 24 3 | 1 1 | 15 14 | 2 55 | 10 48 | 1 3 | 15 42 | 0 24 | 19 18 | 1 3 | 12 38 | 2 7 | 19 48 | 0 8 | 18 6 | 1 44 | 8 59 | 11 46 | 21 36 | 21 43 | 5 53 | 12 6 | 1 1 |
| F 24 | 3 26 | 20 59 | 0n12 | 15 37 | 3 0 | 10 24 | 1 5 | 15 55 | 0 24 | 19 18 | 1 3 | 12 40 | 2 7 | 19 48 | 0 8 | 18 5 | 1 44 | 8 59 | 11 46 | 21 36 | 21 44 | 5 50 | 12 5 | 1 1 |
| S 25 | 3 50 | 16 36 | 1 26 | 15 59 | 3 4 | 9 59 | 1 7 | 16 9 | 0 25 | 19 17 | 1 3 | 12 43 | 2 7 | 19 49 | 0 8 | 18 5 | 1 44 | 8 58 | 11 46 | 21 36 | 21 45 | 5 47 | 12 4 | 1 1 |
| S 26 | 4 13 | 11 9 | 2 37 | 16 18 | 3 7 | 9 33 | 1 10 | 16 22 | 0 26 | 19 17 | 1 3 | 12 45 | 2 7 | 19 50 | 0 8 | 18 5 | 1 44 | 8 58 | 11 46 | 21 36 | 21 45 | 5 44 | 12 3 | 1 1 |
| M27 | 4 37 | 4 59 | 3 37 | 16 36 | 3 10 | 9 8 | 1 12 | 16 35 | 0 26 | 19 16 | 1 3 | 12 47 | 2 7 | 19 50 | 0 8 | 18 5 | 1 44 | 8 58 | 11 47 | 21 37 | 21 46 | 5 41 | 12 2 | 1 2 |
| T 28 | 5 0 | 1n32 | 4 24 | 16 51 | 3 13 | 8 42 | 1 14 | 16 49 | 0 27 | 19 15 | 1 3 | 12 49 | 2 6 | 19 51 | 0 8 | 18 4 | 1 44 | 8 58 | 11 47 | 21 38 | 21 46 | 5 38 | 12 1 | 1 2 |
| W29 | 5 23 | 7 58 | 4 52 | 17 5 | 3 14 | 8 16 | 1 16 | 17 2 | 0 27 | 19 14 | 1 3 | 12 51 | 2 6 | 19 51 | 0 8 | 18 4 | 1 44 | 8 57 | 11 47 | 21 40 | 21 47 | 5 35 | 12 0 | 1 2 |
| T 30 | 5s46 | 13n53 | 5n 0 | 17s15 | 3s15 | 7n49 | 1n18 | 17s15 | 0s28 | 19n14 | 1s 3 | 12s53 | 2n 6 | 19s52 | 0n 8 | 18n 4 | 1s45 | 8n57 | 11s47 | 21s42 | 21s47 | 5n32 | 11n59 | 1s 2 |

Julian Day Number = 2230824.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'36, Lahiri = 15°25'37 Julian Calendar 1 Sept. 1395 == Greg. Calendar 9 Sept. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## OCTOBER 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 9 53 | 15♎35'16 | 8♉23 | 8♏18 | 14♍24 | 17♏ 7 | 0°R 8 | 10♏12 | 29♏ 0 | 27°R54 | 1°R21 | 21°R54 | 21♐31 | 7♍10 | 4°R 8 | F 1 |
| S 2 | 1 13 50 | 16°34'53 | 22°38 | 8°36 | 15°37 | 17°50 | 0♊ 4 | 10°18 | 29° 3 | 27♉52 | 1♊20 | 21♐44 | 21°28 | 7°17 | 4♉ 5 | S 2 |
| S 3 | 1 17 46 | 17°34'32 | 6♊24 | 8°48 | 16°51 | 18°33 | 29♉59 | 10°25 | 29° 6 | 27°51 | 1°19 | 21°37 | 21°25 | 7°24 | 4° 2 | S 3 |
| M 4 | 1 21 43 | 18°34'13 | 19°42 | 8°R52 | 18° 4 | 19°15 | 29°55 | 10°32 | 29° 9 | 27°50 | 1°18 | 21°32 | 21°21 | 7°30 | 3°59 | M 4 |
| T 5 | 1 25 40 | 19°33'57 | 2♋33 | 8°49 | 19°18 | 19°58 | 29°51 | 10°39 | 29°12 | 27°49 | 1°18 | 21°30 | 21°18 | 7°37 | 3°56 | T 5 |
| W 6 | 1 29 36 | 20°33'43 | 15° 1 | 8°38 | 20°31 | 20°41 | 29°46 | 10°45 | 29°15 | 27°48 | 1°17 | 21°29 | 21°15 | 7°44 | 3°53 | W 6 |
| T 7 | 1 33 33 | 21°33'31 | 27°10 | 8°18 | 21°45 | 21°25 | 29°41 | 10°52 | 29°18 | 27°46 | 1°16 | 21°29 | 21°12 | 7°50 | 3°50 | T 7 |
| F 8 | 1 37 29 | 22°33'21 | 9♌ 7 | 7°48 | 22°59 | 22° 8 | 29°36 | 10°59 | 29°21 | 27°45 | 1°15 | 21°28 | 21° 9 | 7°57 | 3°47 | F 8 |
| S 9 | 1 41 26 | 23°33'14 | 20°58 | 7°10 | 24°13 | 22°51 | 29°31 | 11° 6 | 29°24 | 27°44 | 1°14 | 21°26 | 21° 6 | 8° 4 | 3°44 | S 9 |
| S 10 | 1 45 22 | 24°33'09 | 2♍46 | 6°23 | 25°27 | 23°34 | 29°26 | 11°13 | 29°28 | 27°42 | 1°13 | 21°21 | 21° 2 | 8°10 | 3°41 | S 10 |
| M11 | 1 49 19 | 25°33'06 | 14°36 | 5°27 | 26°40 | 24°18 | 29°20 | 11°20 | 29°31 | 27°41 | 1°12 | 21°14 | 20°59 | 8°17 | 3°38 | M11 |
| T 12 | 1 53 15 | 26°33'05 | 26°32 | 4°24 | 27°54 | 25° 1 | 29°14 | 11°27 | 29°34 | 27°40 | 1°12 | 21° 3 | 20°56 | 8°24 | 3°35 | T 12 |
| W13 | 1 57 12 | 27°33'06 | 8♎36 | 3°14 | 29° 8 | 25°45 | 29° 8 | 11°34 | 29°37 | 27°38 | 1°11 | 20°51 | 20°53 | 8°30 | 3°32 | W13 |
| T 14 | 2 1 9 | 28°33'09 | 20°51 | 2° 0 | 0♎23 | 26°28 | 29° 2 | 11°41 | 29°41 | 27°37 | 1°10 | 20°37 | 20°50 | 8°37 | 3°29 | T 14 |
| F 15 | 2 5 5 | 29°33'14 | 3♏16 | 0°43 | 1°37 | 27°12 | 28°56 | 11°48 | 29°44 | 27°35 | 1° 9 | 20°22 | 20°47 | 8°44 | 3°26 | F 15 |
| S 16 | 2 9 2 | 0♏33'21 | 15°52 | 29♎25 | 2°51 | 27°56 | 28°50 | 11°55 | 29°47 | 27°34 | 1° 8 | 20° 9 | 20°43 | 8°50 | 3°23 | S 16 |
| S 17 | 2 12 58 | 1°33'30 | 28°39 | 28° 9 | 4° 5 | 28°40 | 28°44 | 12° 2 | 29°51 | 27°32 | 1° 7 | 19°58 | 20°40 | 8°57 | 3°20 | S 17 |
| M18 | 2 16 55 | 2°33'40 | 11♐36 | 26°58 | 5°19 | 29°23 | 28°37 | 12° 9 | 29°54 | 27°31 | 1° 6 | 19°50 | 20°37 | 9° 4 | 3°17 | M18 |
| T 19 | 2 20 51 | 3°33'53 | 24°45 | 25°53 | 6°34 | 0♐ 7 | 28°30 | 12°16 | 29°57 | 27°29 | 1° 5 | 19°45 | 20°34 | 9°11 | 3°14 | T 19 |
| W20 | 2 24 48 | 4°34'07 | 8♑ 5 | 24°57 | 7°48 | 0°51 | 28°23 | 12°23 | 0♐ 1 | 27°28 | 1° 4 | 19°43 | 20°31 | 9°17 | 3°11 | W20 |
| T 21 | 2 28 44 | 5°34'22 | 21°38 | 24°10 | 9° 2 | 1°35 | 28°16 | 12°30 | 0° 4 | 27°26 | 1° 3 | 19°D43 | 20°27 | 9°24 | 3° 7 | T 21 |
| F 22 | 2 32 41 | 6°34'39 | 5♒25 | 23°35 | 10°17 | 2°19 | 28° 9 | 12°37 | 0° 8 | 27°25 | 1° 2 | 19°R43 | 20°24 | 9°31 | 3° 4 | F 22 |
| S 23 | 2 36 38 | 7°34'57 | 19°26 | 23°12 | 11°31 | 3° 4 | 28° 2 | 12°44 | 0°11 | 27°23 | 1° 1 | 19°42 | 20°21 | 9°37 | 3° 1 | S 23 |
| S 24 | 2 40 34 | 8°35'17 | 3♓42 | 23° 0 | 12°46 | 3°48 | 27°55 | 12°51 | 0°14 | 27°22 | 1° 0 | 19°40 | 20°18 | 9°44 | 2°58 | S 24 |
| M25 | 2 44 31 | 9°35'38 | 18°11 | 22°D59 | 14° 0 | 4°32 | 27°48 | 12°59 | 0°18 | 27°20 | 0°59 | 19°35 | 20°15 | 9°51 | 2°55 | M25 |
| T 26 | 2 48 27 | 10°36'00 | 2♈48 | 23°10 | 15°15 | 5°16 | 27°40 | 13° 6 | 0°21 | 27°18 | 0°58 | 19°28 | 20°12 | 9°57 | 2°52 | T 26 |
| W27 | 2 52 24 | 11°36'24 | 17°29 | 23°30 | 16°30 | 6° 1 | 27°33 | 13°13 | 0°25 | 27°17 | 0°57 | 19°18 | 20° 8 | 10° 4 | 2°49 | W27 |
| T 28 | 2 56 20 | 12°36'50 | 2♉ 4 | 24° 1 | 17°44 | 6°45 | 27°25 | 13°20 | 0°29 | 27°15 | 0°56 | 19° 8 | 20° 5 | 10°11 | 2°46 | T 28 |
| F 29 | 3 0 17 | 13°37'17 | 16°28 | 24°39 | 18°59 | 7°30 | 27°17 | 13°27 | 0°32 | 27°13 | 0°54 | 18°57 | 20° 2 | 10°17 | 2°43 | F 29 |
| S 30 | 3 4 13 | 14°37'46 | 0♊33 | 25°25 | 20°14 | 8°14 | 27° 9 | 13°34 | 0°36 | 27°12 | 0°53 | 18°48 | 19°59 | 10°24 | 2°40 | S 30 |
| S 31 | 3 8 10 | 15♏38'17 | 14♊16 | 26♎18 | 21♎28 | 8♐59 | 27♉ 2 | 13♏41 | 0♐39 | 27♉10 | 0♊52 | 18♑40 | 19♑56 | 10♍31 | 2♉37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6s 9 | 18n53 | 4n48 | 17s24 | 3s15 | 7n23 | 1n19 | 17s27 | 0s29 | 19n13 | 1s 3 | 12s56 | 2n 6 | 19s53 | 0n 8 | 18n 4 | 1s45 | 8n57 | 11s47 | 21s44 | 21s48 | 5n29 | 11n58 | 1s 2 |
| S 2 | 6 32 | 22 39 | 4 18 | 17 29 | 3 14 | 6 56 | 1 21 | 17 40 | 0 29 | 19 12 | 1 3 | 12 58 | 2 6 | 19 53 | 0 8 | 18 3 | 1 45 | 8 56 | 11 47 | 21 45 | 21 48 | 5 26 | 11 57 | 1 2 |
| S 3 | 6 55 | 24 58 | 3 34 | 17 30 | 3 12 | 6 29 | 1 23 | 17 53 | 0 30 | 19 11 | 1 4 | 13 0 | 2 6 | 19 54 | 0 8 | 18 3 | 1 45 | 8 56 | 11 47 | 21 47 | 21 49 | 5 23 | 11 56 | 1 2 |
| M 4 | 7 18 | 25 46 | 2 40 | 17 29 | 3 9 | 6 1 | 1 24 | 18 5 | 0 30 | 19 10 | 1 4 | 13 2 | 2 6 | 19 55 | 0 8 | 18 3 | 1 45 | 8 56 | 11 48 | 21 47 | 21 49 | 5 20 | 11 55 | 1 2 |
| T 5 | 7 41 | 25 8 | 1 38 | 17 23 | 3 4 | 5 34 | 1 26 | 18 17 | 0 31 | 19 9 | 1 4 | 13 4 | 2 6 | 19 55 | 0 8 | 18 2 | 1 45 | 8 56 | 11 48 | 21 48 | 21 50 | 5 17 | 11 54 | 1 2 |
| W 6 | 8 3 | 23 14 | 0 34 | 17 14 | 2 58 | 5 6 | 1 27 | 18 29 | 0 32 | 19 8 | 1 4 | 13 7 | 2 6 | 19 56 | 0 8 | 18 2 | 1 45 | 8 55 | 11 48 | 21 48 | 21 50 | 5 14 | 11 52 | 1 3 |
| T 7 | 8 26 | 20 18 | 0s30 | 17 0 | 2 50 | 4 38 | 1 29 | 18 41 | 0 32 | 19 7 | 1 4 | 13 9 | 2 6 | 19 57 | 0 8 | 18 2 | 1 45 | 8 55 | 11 48 | 21 48 | 21 51 | 5 11 | 11 51 | 1 3 |
| F 8 | 8 48 | 16 33 | 1 32 | 16 42 | 2 41 | 4 10 | 1 30 | 18 53 | 0 33 | 19 6 | 1 4 | 13 11 | 2 5 | 19 57 | 0 8 | 18 1 | 1 45 | 8 55 | 11 48 | 21 48 | 21 51 | 5 8 | 11 50 | 1 3 |
| S 9 | 9 11 | 12 12 | 2 29 | 16 19 | 2 30 | 3 42 | 1 31 | 19 5 | 0 33 | 19 5 | 1 4 | 13 13 | 2 5 | 19 58 | 0 8 | 18 1 | 1 45 | 8 54 | 11 48 | 21 48 | 21 51 | 5 5 | 11 49 | 1 3 |
| S 10 | 9 33 | 7 25 | 3 20 | 15 51 | 2 17 | 3 13 | 1 32 | 19 16 | 0 34 | 19 3 | 1 4 | 13 16 | 2 5 | 19 59 | 0 8 | 18 1 | 1 45 | 8 54 | 11 48 | 21 49 | 21 52 | 5 2 | 11 48 | 1 3 |
| M11 | 9 55 | 2 22 | 4 2 | 15 18 | 2 2 | 2 45 | 1 33 | 19 28 | 0 34 | 19 2 | 1 4 | 13 18 | 2 5 | 19 59 | 0 8 | 18 0 | 1 45 | 8 54 | 11 48 | 21 50 | 21 52 | 4 59 | 11 47 | 1 3 |
| T 12 | 10 17 | 2s48 | 4 33 | 14 41 | 1 46 | 2 16 | 1 34 | 19 39 | 0 35 | 19 1 | 1 4 | 13 20 | 2 5 | 20 0 | 0 8 | 18 0 | 1 45 | 8 54 | 11 49 | 21 52 | 21 53 | 4 56 | 11 46 | 1 3 |
| W13 | 10 38 | 7 55 | 4 53 | 14 1 | 1 28 | 1 48 | 1 35 | 19 50 | 0 35 | 19 0 | 1 4 | 13 22 | 2 5 | 20 1 | 0 8 | 18 0 | 1 45 | 8 53 | 11 49 | 21 54 | 21 53 | 4 53 | 11 45 | 1 3 |
| T 14 | 11 0 | 12 47 | 5 0 | 13 17 | 1 9 | 1 19 | 1 36 | 20 1 | 0 36 | 18 58 | 1 4 | 13 24 | 2 5 | 20 2 | 0 8 | 17 59 | 1 45 | 8 53 | 11 49 | 21 56 | 21 54 | 4 50 | 11 43 | 1 3 |
| F 15 | 11 21 | 17 13 | 4 52 | 12 31 | 0 49 | 0 50 | 1 36 | 20 12 | 0 37 | 18 57 | 1 4 | 13 27 | 2 5 | 20 2 | 0 7 | 17 59 | 1 45 | 8 53 | 11 49 | 21 58 | 21 54 | 4 47 | 11 42 | 1 4 |
| S 16 | 11 42 | 20 57 | 4 31 | 11 44 | 0 28 | 0 21 | 1 37 | 20 22 | 0 37 | 18 56 | 1 4 | 13 29 | 2 5 | 20 3 | 0 7 | 17 59 | 1 45 | 8 53 | 11 49 | 22 0 | 21 55 | 4 44 | 11 41 | 1 4 |
| S 17 | 12 3 | 23 45 | 3 55 | 10 58 | 0 8 | 0s 8 | 1 38 | 20 32 | 0 38 | 18 54 | 1 4 | 13 31 | 2 5 | 20 4 | 0 7 | 17 58 | 1 45 | 8 52 | 11 49 | 22 2 | 21 55 | 4 40 | 11 40 | 1 4 |
| M18 | 12 24 | 25 20 | 3 7 | 10 13 | 0n13 | 0 37 | 1 38 | 20 43 | 0 38 | 18 53 | 1 4 | 13 33 | 2 5 | 20 4 | 0 7 | 17 58 | 1 45 | 8 52 | 11 49 | 22 3 | 21 56 | 4 37 | 11 39 | 1 4 |
| T 19 | 12 45 | 25 33 | 2 8 | 9 32 | 0 32 | 1 6 | 1 38 | 20 52 | 0 39 | 18 51 | 1 4 | 13 35 | 2 5 | 20 5 | 0 7 | 17 58 | 1 45 | 8 52 | 11 49 | 22 4 | 21 56 | 4 34 | 11 38 | 1 4 |
| W20 | 13 5 | 24 17 | 1 1 | 8 54 | 0 51 | 1 36 | 1 39 | 21 2 | 0 39 | 18 50 | 1 4 | 13 38 | 2 5 | 20 6 | 0 7 | 17 57 | 1 45 | 8 51 | 11 49 | 22 4 | 21 57 | 4 31 | 11 37 | 1 4 |
| T 21 | 13 25 | 21 36 | 0n10 | 8 21 | 1 8 | 2 5 | 1 39 | 21 12 | 0 40 | 18 48 | 1 4 | 13 40 | 2 5 | 20 7 | 0 7 | 17 57 | 1 45 | 8 51 | 11 49 | 22 4 | 21 57 | 4 28 | 11 35 | 1 4 |
| F 22 | 13 45 | 17 39 | 1 22 | 7 54 | 1 23 | 2 34 | 1 39 | 21 21 | 0 40 | 18 47 | 1 4 | 13 42 | 2 4 | 20 7 | 0 7 | 17 56 | 1 45 | 8 51 | 11 49 | 22 4 | 21 58 | 4 25 | 11 34 | 1 4 |
| S 23 | 14 5 | 12 39 | 2 31 | 7 33 | 1 36 | 3 3 | 1 39 | 21 30 | 0 41 | 18 45 | 1 4 | 13 44 | 2 4 | 20 8 | 0 7 | 17 56 | 1 45 | 8 51 | 11 50 | 22 4 | 21 58 | 4 22 | 11 33 | 1 4 |
| S 24 | 14 25 | 6 54 | 3 31 | 7 18 | 1 48 | 3 32 | 1 39 | 21 39 | 0 41 | 18 44 | 1 4 | 13 46 | 2 4 | 20 9 | 0 7 | 17 56 | 1 45 | 8 50 | 11 50 | 22 4 | 21 59 | 4 19 | 11 32 | 1 4 |
| M25 | 14 44 | 0 43 | 4 19 | 7 9 | 1 58 | 4 1 | 1 39 | 21 48 | 0 42 | 18 42 | 1 4 | 13 49 | 2 4 | 20 10 | 0 7 | 17 55 | 1 45 | 8 50 | 11 50 | 22 5 | 21 59 | 4 16 | 11 31 | 1 4 |
| T 26 | 15 3 | 5n33 | 4 50 | 7 5 | 2 5 | 4 30 | 1 39 | 21 57 | 0 42 | 18 40 | 1 4 | 13 51 | 2 4 | 20 10 | 0 7 | 17 55 | 1 45 | 8 50 | 11 50 | 22 6 | 22 0 | 4 13 | 11 30 | 1 5 |
| W27 | 15 22 | 11 32 | 5 2 | 7 7 | 2 12 | 4 59 | 1 39 | 22 5 | 0 43 | 18 39 | 1 3 | 13 53 | 2 4 | 20 11 | 0 7 | 17 55 | 1 45 | 8 50 | 11 50 | 22 7 | 22 0 | 4 10 | 11 29 | 1 5 |
| T 28 | 15 40 | 16 50 | 4 55 | 7 14 | 2 16 | 5 28 | 1 39 | 22 13 | 0 43 | 18 37 | 1 3 | 13 55 | 2 4 | 20 12 | 0 7 | 17 54 | 1 45 | 8 49 | 11 50 | 22 9 | 22 1 | 4 7 | 11 28 | 1 5 |
| F 29 | 15 59 | 21 6 | 4 29 | 7 25 | 2 19 | 5 57 | 1 38 | 22 21 | 0 44 | 18 35 | 1 3 | 13 57 | 2 4 | 20 13 | 0 7 | 17 54 | 1 45 | 8 49 | 11 50 | 22 10 | 22 1 | 4 4 | 11 26 | 1 5 |
| S 30 | 16 17 | 24 1 | 3 46 | 7 41 | 2 21 | 6 25 | 1 38 | 22 29 | 0 44 | 18 34 | 1 3 | 13 59 | 2 4 | 20 13 | 0 7 | 17 53 | 1 45 | 8 49 | 11 50 | 22 12 | 22 2 | 4 1 | 11 25 | 1 5 |
| S 31 | 16s35 | 25n26 | 2n52 | 7s59 | 2n21 | 6s54 | 1n37 | 22s36 | 0s45 | 18n32 | 1s 3 | 14s 1 | 2n 4 | 20s14 | 0n 7 | 17n53 | 1s45 | 8n49 | 11s50 | 22s13 | 22s 2 | 3n58 | 11n24 | 1s 5 |

Julian Day Number = 2230854.5, Delta T = 08m00s
Ecliptic obliquity = 23°31'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'41, Lahiri = 15°25'41 Julian Calendar 1 Oct. 1395 == Greg. Calendar 9 Oct. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## NOVEMBER 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 12 7 | 16♏38'49 | 27♊33 | 27♎17 | 22♎43 | 9♐44 | 26°R54 | 13♏48 | 0♐43 | 27°R 9 | 0°R51 | 18°R36 | 19♑53 | 10♍38 | 2°R34 | M 1 |
| T 2 | 3 16 3 | 17°39'23 | 10♋25 | 28°21 | 23°58 | 10°29 | 26♉46 | 13°55 | 0°46 | 27♉ 7 | 0♊50 | 18♑34 | 19°49 | 10°44 | 2♉31 | T 2 |
| W 3 | 3 20 0 | 18°39'59 | 22°56 | 29°30 | 25°13 | 11°13 | 26°38 | 14° 3 | 0°50 | 27° 5 | 0°49 | 18°D33 | 19°46 | 10°51 | 2°28 | W 3 |
| T 4 | 3 23 56 | 19°40'36 | 5♌ 9 | 0♏43 | 26°28 | 11°58 | 26°30 | 14°10 | 0°54 | 27° 4 | 0°48 | 18°34 | 19°43 | 10°58 | 2°25 | T 4 |
| F 5 | 3 27 53 | 20°41'15 | 17° 8 | 1°58 | 27°43 | 12°43 | 26°21 | 14°17 | 0°57 | 27° 2 | 0°47 | 18°R35 | 19°40 | 11° 4 | 2°22 | F 5 |
| S 6 | 3 31 49 | 21°41'56 | 29° 0 | 3°17 | 28°58 | 13°28 | 26°13 | 14°24 | 1° 1 | 27° 0 | 0°46 | 18°35 | 19°37 | 11°11 | 2°19 | S 6 |
| S 7 | 3 35 46 | 22°42'39 | 10♍50 | 4°38 | 0♏13 | 14°13 | 26° 5 | 14°31 | 1° 5 | 26°58 | 0°44 | 18°33 | 19°33 | 11°18 | 2°17 | S 7 |
| M 8 | 3 39 42 | 23°43'23 | 22°42 | 6° 1 | 1°28 | 14°58 | 25°57 | 14°38 | 1° 8 | 26°57 | 0°43 | 18°28 | 19°30 | 11°24 | 2°14 | M 8 |
| T 9 | 3 43 39 | 24°44'08 | 4♎42 | 7°25 | 2°43 | 15°43 | 25°49 | 14°45 | 1°12 | 26°55 | 0°42 | 18°22 | 19°27 | 11°31 | 2°11 | T 9 |
| W10 | 3 47 36 | 25°44'55 | 16°52 | 8°52 | 3°58 | 16°29 | 25°41 | 14°52 | 1°16 | 26°53 | 0°41 | 18°13 | 19°24 | 11°38 | 2° 8 | W10 |
| T 11 | 3 51 32 | 26°45'44 | 29°15 | 10°19 | 5°13 | 17°14 | 25°32 | 14°59 | 1°19 | 26°52 | 0°40 | 18° 4 | 19°21 | 11°44 | 2° 6 | T 11 |
| F 12 | 3 55 29 | 27°46'34 | 11♏54 | 11°47 | 6°28 | 17°59 | 25°24 | 15° 6 | 1°23 | 26°50 | 0°39 | 17°54 | 19°18 | 11°51 | 2° 3 | F 12 |
| S 13 | 3 59 25 | 28°47'26 | 24°47 | 13°16 | 7°43 | 18°45 | 25°16 | 15°13 | 1°27 | 26°48 | 0°38 | 17°45 | 19°14 | 11°58 | 2° 0 | S 13 |
| S 14 | 4 3 22 | 29°48'18 | 7♐55 | 14°46 | 8°58 | 19°30 | 25° 8 | 15°20 | 1°30 | 26°47 | 0°37 | 17°37 | 19°11 | 12° 5 | 1°57 | S 14 |
| M15 | 4 7 18 | 0♐49'12 | 21°16 | 16°17 | 10°13 | 20°15 | 25° 0 | 15°27 | 1°34 | 26°45 | 0°35 | 17°32 | 19° 8 | 12°11 | 1°55 | M15 |
| T 16 | 4 11 15 | 1°50'07 | 4♑48 | 17°48 | 11°29 | 21° 1 | 24°52 | 15°34 | 1°38 | 26°43 | 0°34 | 17°29 | 19° 5 | 12°18 | 1°52 | T 16 |
| W17 | 4 15 11 | 2°51'03 | 18°29 | 19°19 | 12°44 | 21°47 | 24°44 | 15°41 | 1°41 | 26°41 | 0°33 | 17°D28 | 19° 2 | 12°25 | 1°50 | W17 |
| T 18 | 4 19 8 | 3°52'00 | 2♒19 | 20°50 | 13°59 | 22°32 | 24°36 | 15°48 | 1°45 | 26°40 | 0°32 | 17°29 | 18°58 | 12°31 | 1°47 | T 18 |
| F 19 | 4 23 5 | 4°52'57 | 16°16 | 22°22 | 15°14 | 23°18 | 24°28 | 15°55 | 1°49 | 26°38 | 0°31 | 17°30 | 18°55 | 12°38 | 1°45 | F 19 |
| S 20 | 4 27 1 | 5°53'55 | 0♓20 | 23°54 | 16°29 | 24° 4 | 24°20 | 16° 2 | 1°53 | 26°36 | 0°30 | 17°R31 | 18°52 | 12°45 | 1°42 | S 20 |
| S 21 | 4 30 58 | 6°54'54 | 14°28 | 25°27 | 17°45 | 24°49 | 24°12 | 16° 9 | 1°56 | 26°35 | 0°29 | 17°31 | 18°49 | 12°51 | 1°40 | S 21 |
| M22 | 4 34 54 | 7°55'53 | 28°40 | 26°59 | 19° 0 | 25°35 | 24° 4 | 16°15 | 2° 0 | 26°33 | 0°27 | 17°29 | 18°46 | 12°58 | 1°38 | M22 |
| T 23 | 4 38 51 | 8°56'53 | 12♈54 | 28°32 | 20°15 | 26°21 | 23°57 | 16°22 | 2° 4 | 26°31 | 0°26 | 17°26 | 18°43 | 13° 5 | 1°35 | T 23 |
| W24 | 4 42 47 | 9°57'53 | 27° 6 | 0♐ 5 | 21°30 | 27° 7 | 23°49 | 16°29 | 2° 7 | 26°30 | 0°25 | 17°21 | 18°39 | 13°12 | 1°33 | W24 |
| T 25 | 4 46 44 | 10°58'54 | 11♉12 | 1°38 | 22°46 | 27°53 | 23°41 | 16°36 | 2°11 | 26°28 | 0°24 | 17°15 | 18°36 | 13°18 | 1°31 | T 25 |
| F 26 | 4 50 40 | 11°59'56 | 25° 9 | 3°10 | 24° 1 | 28°39 | 23°34 | 16°42 | 2°14 | 26°27 | 0°23 | 17° 9 | 18°33 | 13°25 | 1°29 | F 26 |
| S 27 | 4 54 37 | 13° 0'59 | 8♊51 | 4°44 | 25°16 | 29°25 | 23°27 | 16°49 | 2°18 | 26°25 | 0°22 | 17° 3 | 18°30 | 13°32 | 1°27 | S 27 |
| S 28 | 4 58 34 | 14° 2'02 | 22°16 | 6°17 | 26°32 | 0♑11 | 23°20 | 16°56 | 2°22 | 26°23 | 0°21 | 16°59 | 18°27 | 13°38 | 1°25 | S 28 |
| M29 | 5 2 30 | 15° 3'06 | 5♋23 | 7°50 | 27°47 | 0°57 | 23°13 | 17° 2 | 2°25 | 26°22 | 0°20 | 16°57 | 18°24 | 13°45 | 1°23 | M29 |
| T 30 | 5 6 27 | 16♐ 4'11 | 18♋10 | 9♐24 | 29♏ 2 | 1♑43 | 23♉ 6 | 17♏ 9 | 2♐29 | 26♉20 | 0♊18 | 16°D57 | 18♑20 | 13♍52 | 1♉21 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s52 | 25n19 | 1n50 | 8s21 | 2n21 | 7s22 | 1n37 | 22s44 | 0s45 | 18n30 | 1s 3 | 14s 4 | 2n 4 | 20s15 | 0n 7 | 17n53 | 1s45 | 8n48 | 11s50 | 22s13 | 22s 2 | 3n55 | 11n23 | 1s 5 |
| T 2 | 17 9 | 23 50 | 0 43 | 8 46 | 2 19 | 7 51 | 1 36 | 22 51 | 0 46 | 18 28 | 1 3 | 14 6 | 2 4 | 20 16 | 0 7 | 17 52 | 1 45 | 8 48 | 11 50 | 22 14 | 22 3 | 3 52 | 11 22 | 1 5 |
| W 3 | 17 26 | 21 11 | 0s23 | 9 12 | 2 17 | 8 19 | 1 35 | 22 58 | 0 46 | 18 27 | 1 3 | 14 8 | 2 4 | 20 16 | 0 7 | 17 52 | 1 45 | 8 48 | 11 50 | 22 14 | 22 3 | 3 49 | 11 21 | 1 5 |
| T 4 | 17 43 | 17 38 | 1 28 | 9 40 | 2 14 | 8 47 | 1 34 | 23 4 | 0 47 | 18 25 | 1 3 | 14 10 | 2 4 | 20 17 | 0 7 | 17 52 | 1 45 | 8 48 | 11 50 | 22 14 | 22 4 | 3 46 | 11 20 | 1 5 |
| F 5 | 17 59 | 13 25 | 2 27 | 10 10 | 2 10 | 9 14 | 1 34 | 23 11 | 0 47 | 18 23 | 1 3 | 14 12 | 2 4 | 20 18 | 0 7 | 17 51 | 1 45 | 8 47 | 11 50 | 22 13 | 22 4 | 3 43 | 11 19 | 1 5 |
| S 6 | 18 15 | 8 45 | 3 19 | 10 41 | 2 6 | 9 42 | 1 33 | 23 17 | 0 48 | 18 21 | 1 3 | 14 14 | 2 4 | 20 19 | 0 7 | 17 51 | 1 45 | 8 47 | 11 50 | 22 14 | 22 5 | 3 40 | 11 18 | 1 5 |
| S 7 | 18 31 | 3 47 | 4 3 | 11 13 | 2 1 | 10 9 | 1 32 | 23 23 | 0 48 | 18 19 | 1 3 | 14 16 | 2 4 | 20 19 | 0 7 | 17 50 | 1 45 | 8 47 | 11 50 | 22 14 | 22 5 | 3 37 | 11 17 | 1 5 |
| M 8 | 18 46 | 1s19 | 4 36 | 11 45 | 1 56 | 10 36 | 1 31 | 23 28 | 0 48 | 18 18 | 1 2 | 14 18 | 2 4 | 20 20 | 0 7 | 17 50 | 1 45 | 8 47 | 11 50 | 22 14 | 22 6 | 3 34 | 11 16 | 1 6 |
| T 9 | 19 1 | 6 25 | 4 57 | 12 18 | 1 50 | 11 3 | 1 30 | 23 34 | 0 49 | 18 16 | 1 2 | 14 20 | 2 4 | 20 21 | 0 7 | 17 50 | 1 45 | 8 47 | 11 50 | 22 15 | 22 6 | 3 31 | 11 15 | 1 6 |
| W10 | 19 16 | 11 21 | 5 6 | 12 51 | 1 44 | 11 30 | 1 28 | 23 39 | 0 49 | 18 14 | 1 2 | 14 22 | 2 4 | 20 22 | 0 7 | 17 49 | 1 45 | 8 46 | 11 50 | 22 16 | 22 7 | 3 28 | 11 14 | 1 6 |
| T 11 | 19 30 | 15 55 | 5 0 | 13 25 | 1 38 | 11 56 | 1 27 | 23 44 | 0 50 | 18 12 | 1 2 | 14 24 | 2 4 | 20 23 | 0 7 | 17 49 | 1 45 | 8 46 | 11 50 | 22 18 | 22 7 | 3 25 | 11 13 | 1 6 |
| F 12 | 19 44 | 19 53 | 4 40 | 13 58 | 1 31 | 12 22 | 1 26 | 23 48 | 0 50 | 18 10 | 1 2 | 14 27 | 2 4 | 20 23 | 0 7 | 17 48 | 1 45 | 8 46 | 11 50 | 22 19 | 22 8 | 3 21 | 11 12 | 1 6 |
| S 13 | 19 57 | 22 59 | 4 5 | 14 32 | 1 25 | 12 48 | 1 24 | 23 53 | 0 51 | 18 9 | 1 2 | 14 29 | 2 4 | 20 24 | 0 7 | 17 48 | 1 45 | 8 46 | 11 50 | 22 20 | 22 8 | 3 18 | 11 11 | 1 6 |
| S 14 | 20 11 | 24 56 | 3 17 | 15 5 | 1 18 | 13 13 | 1 23 | 23 57 | 0 51 | 18 7 | 1 2 | 14 31 | 2 4 | 20 25 | 0 7 | 17 48 | 1 45 | 8 46 | 11 50 | 22 21 | 22 8 | 3 15 | 11 10 | 1 6 |
| M15 | 20 23 | 25 30 | 2 17 | 15 38 | 1 11 | 13 39 | 1 22 | 24 1 | 0 51 | 18 5 | 1 2 | 14 33 | 2 4 | 20 26 | 0 7 | 17 47 | 1 45 | 8 45 | 11 50 | 22 22 | 22 9 | 3 12 | 11 9 | 1 6 |
| T 16 | 20 36 | 24 34 | 1 8 | 16 10 | 1 4 | 14 3 | 1 20 | 24 4 | 0 52 | 18 3 | 1 1 | 14 35 | 2 4 | 20 26 | 0 7 | 17 47 | 1 45 | 8 45 | 11 50 | 22 22 | 22 9 | 3 9 | 11 8 | 1 6 |
| W17 | 20 48 | 22 9 | 0n 6 | 16 42 | 0 57 | 14 28 | 1 18 | 24 8 | 0 52 | 18 1 | 1 1 | 14 36 | 2 4 | 20 27 | 0 7 | 17 47 | 1 45 | 8 45 | 11 50 | 22 22 | 22 10 | 3 6 | 11 7 | 1 6 |
| T 18 | 21 0 | 18 25 | 1 20 | 17 13 | 0 50 | 14 52 | 1 17 | 24 11 | 0 53 | 18 0 | 1 1 | 14 38 | 2 4 | 20 28 | 0 7 | 17 46 | 1 45 | 8 45 | 11 50 | 22 22 | 22 10 | 3 3 | 11 6 | 1 6 |
| F 19 | 21 11 | 13 38 | 2 30 | 17 44 | 0 43 | 15 16 | 1 15 | 24 14 | 0 53 | 17 58 | 1 1 | 14 40 | 2 4 | 20 29 | 0 7 | 17 46 | 1 45 | 8 45 | 11 50 | 22 22 | 22 11 | 3 0 | 11 5 | 1 6 |
| S 20 | 21 22 | 8 6 | 3 31 | 18 14 | 0 36 | 15 39 | 1 13 | 24 16 | 0 53 | 17 56 | 1 1 | 14 42 | 2 4 | 20 29 | 0 7 | 17 45 | 1 45 | 8 45 | 11 50 | 22 22 | 22 11 | 2 57 | 11 4 | 1 6 |
| S 21 | 21 32 | 2 8 | 4 20 | 18 43 | 0 29 | 16 2 | 1 12 | 24 19 | 0 54 | 17 54 | 1 1 | 14 44 | 2 4 | 20 30 | 0 7 | 17 45 | 1 45 | 8 44 | 11 50 | 22 22 | 22 12 | 2 54 | 11 3 | 1 6 |
| M22 | 21 42 | 3n58 | 4 54 | 19 12 | 0 22 | 16 25 | 1 10 | 24 21 | 0 54 | 17 53 | 1 0 | 14 46 | 2 4 | 20 31 | 0 7 | 17 45 | 1 45 | 8 44 | 11 49 | 22 22 | 22 12 | 2 51 | 11 3 | 1 6 |
| T 23 | 21 52 | 9 51 | 5 9 | 19 40 | 0 14 | 16 47 | 1 8 | 24 23 | 0 54 | 17 51 | 1 0 | 14 48 | 2 4 | 20 32 | 0 7 | 17 44 | 1 45 | 8 44 | 11 49 | 22 23 | 22 12 | 2 48 | 11 2 | 1 6 |
| W24 | 22 1 | 15 13 | 5 6 | 20 7 | 0 7 | 17 8 | 1 6 | 24 24 | 0 55 | 17 49 | 1 0 | 14 50 | 2 4 | 20 32 | 0 7 | 17 44 | 1 45 | 8 44 | 11 49 | 22 23 | 22 13 | 2 45 | 11 1 | 1 6 |
| T 25 | 22 10 | 19 44 | 4 44 | 20 33 | 0 0 | 17 30 | 1 4 | 24 25 | 0 55 | 17 47 | 1 0 | 14 52 | 2 5 | 20 33 | 0 7 | 17 44 | 1 45 | 8 44 | 11 49 | 22 24 | 22 13 | 2 42 | 11 0 | 1 6 |
| F 26 | 22 18 | 23 5 | 4 5 | 20 58 | 0s 6 | 17 50 | 1 2 | 24 26 | 0 56 | 17 46 | 1 0 | 14 54 | 2 5 | 20 34 | 0 7 | 17 43 | 1 45 | 8 44 | 11 49 | 22 25 | 22 14 | 2 39 | 10 59 | 1 7 |
| S 27 | 22 26 | 25 1 | 3 13 | 21 22 | 0 13 | 18 11 | 1 0 | 24 27 | 0 56 | 17 44 | 0 59 | 14 55 | 2 5 | 20 34 | 0 7 | 17 43 | 1 45 | 8 44 | 11 49 | 22 26 | 22 14 | 2 36 | 10 58 | 1 7 |
| S 28 | 22 34 | 25 28 | 2 11 | 21 45 | 0 20 | 18 30 | 0 58 | 24 27 | 0 56 | 17 43 | 0 59 | 14 57 | 2 5 | 20 35 | 0 7 | 17 43 | 1 45 | 8 43 | 11 49 | 22 26 | 22 15 | 2 33 | 10 58 | 1 7 |
| M29 | 22 41 | 24 27 | 1 3 | 22 7 | 0 27 | 18 50 | 0 56 | 24 27 | 0 57 | 17 41 | 0 59 | 14 59 | 2 5 | 20 36 | 0 7 | 17 42 | 1 45 | 8 43 | 11 49 | 22 26 | 22 15 | 2 30 | 10 57 | 1 7 |
| T 30 | 22s47 | 22n10 | 0s 7 | 22s29 | 0s33 | 19s 8 | 0n54 | 24s27 | 0s57 | 17n39 | 0s59 | 15s 1 | 2n 5 | 20s37 | 0n 7 | 17n42 | 1s45 | 8n43 | 11s49 | 22s26 | 22s15 | 2n27 | 10n56 | 1s 7 |

Julian Day Number = 2230885.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'45, Lahiri = 15°25'45 Julian Calendar 1 Nov. 1395 == Greg. Calendar 9 Nov. 1395


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# ASTRODIENST EPHEMERIS for the year 1395
# geocentric

## DECEMBER 1395 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 10 23 | 17♐ 5'16 | 0♌38 | 10♐57 | 0♐18 | 2♑30 | 22°R59 | 17♏15 | 2♐33 | 26°R19 | 0°R17 | 16♑57 | 18♑17 | 13♍58 | 1°R19 | W 1 |
| T 2 | 5 14 20 | 18° 6'22 | 12°52 | 12°31 | 1°33 | 3°16 | 22♉52 | 17°22 | 2°36 | 26♉17 | 0♊16 | 16°59 | 18°14 | 14° 5 | 1♉17 | T 2 |
| F 3 | 5 18 16 | 19° 7'29 | 24°53 | 14° 5 | 2°48 | 4° 2 | 22°45 | 17°28 | 2°40 | 26°15 | 0°15 | 17° 1 | 18°11 | 14°12 | 1°15 | F 3 |
| S 4 | 5 22 13 | 20° 8'37 | 6♍47 | 15°39 | 4° 4 | 4°48 | 22°39 | 17°34 | 2°43 | 26°14 | 0°14 | 17° 2 | 18° 8 | 14°19 | 1°13 | S 4 |
| S 5 | 5 26 10 | 21° 9'45 | 18°38 | 17°13 | 5°19 | 5°35 | 22°33 | 17°41 | 2°47 | 26°12 | 0°13 | 17°R 3 | 18° 4 | 14°25 | 1°11 | S 5 |
| M 6 | 5 30 6 | 22°10'54 | 0♎31 | 18°47 | 6°34 | 6°21 | 22°26 | 17°47 | 2°50 | 26°11 | 0°12 | 17° 3 | 18° 1 | 14°32 | 1°10 | M 6 |
| T 7 | 5 34 3 | 23°12'04 | 12°31 | 20°22 | 7°50 | 7° 8 | 22°20 | 17°53 | 2°54 | 26° 9 | 0°11 | 17° 1 | 17°58 | 14°39 | 1° 8 | T 7 |
| W 8 | 5 37 59 | 24°13'14 | 24°42 | 21°57 | 9° 5 | 7°54 | 22°15 | 18° 0 | 2°57 | 26° 8 | 0°10 | 16°59 | 17°55 | 14°45 | 1° 7 | W 8 |
| T 9 | 5 41 56 | 25°14'25 | 7♏ 9 | 23°32 | 10°21 | 8°41 | 22° 9 | 18° 6 | 3° 1 | 26° 7 | 0° 9 | 16°56 | 17°52 | 14°52 | 1° 5 | T 9 |
| F 10 | 5 45 52 | 26°15'36 | 19°54 | 25° 7 | 11°36 | 9°27 | 22° 3 | 18°12 | 3° 4 | 26° 5 | 0° 8 | 16°52 | 17°49 | 14°59 | 1° 4 | F 10 |
| S 11 | 5 49 49 | 27°16'48 | 2♐59 | 26°43 | 12°51 | 10°14 | 21°58 | 18°18 | 3° 8 | 26° 4 | 0° 7 | 16°49 | 17°45 | 15° 5 | 1° 2 | S 11 |
| S 12 | 5 53 45 | 28°18'00 | 16°24 | 28°19 | 14° 7 | 11° 1 | 21°53 | 18°24 | 3°11 | 26° 2 | 0° 6 | 16°47 | 17°42 | 15°12 | 1° 1 | S 12 |
| M13 | 5 57 42 | 29°19'13 | 0♑ 7 | 29°55 | 15°22 | 11°47 | 21°48 | 18°30 | 3°15 | 26° 1 | 0° 5 | 16°45 | 17°39 | 15°19 | 1° 0 | M13 |
| T 14 | 6 1 39 | 0♑20'25 | 14° 5 | 1♑31 | 16°38 | 12°34 | 21°43 | 18°36 | 3°18 | 26° 0 | 0° 4 | 16°D44 | 17°36 | 15°26 | 0°58 | T 14 |
| W15 | 6 5 35 | 1°21'38 | 28°16 | 3° 8 | 17°53 | 13°21 | 21°38 | 18°42 | 3°22 | 25°58 | 0° 3 | 16°45 | 17°33 | 15°32 | 0°57 | W15 |
| T 16 | 6 9 32 | 2°22'50 | 12♒34 | 4°45 | 19° 9 | 14° 8 | 21°33 | 18°48 | 3°25 | 25°57 | 0° 2 | 16°45 | 17°30 | 15°39 | 0°56 | T 16 |
| F 17 | 6 13 28 | 3°24'02 | 26°54 | 6°23 | 20°24 | 14°54 | 21°29 | 18°53 | 3°28 | 25°56 | 0° 1 | 16°47 | 17°26 | 15°46 | 0°55 | F 17 |
| S 18 | 6 17 25 | 4°25'14 | 11♓14 | 8° 1 | 21°39 | 15°41 | 21°25 | 18°59 | 3°32 | 25°54 | 0° 0 | 16°48 | 17°23 | 15°52 | 0°54 | S 18 |
| S 19 | 6 21 21 | 5°26'26 | 25°30 | 9°39 | 22°55 | 16°28 | 21°21 | 19° 5 | 3°35 | 25°53 | 29♉59 | 16°48 | 17°20 | 15°59 | 0°53 | S 19 |
| M20 | 6 25 18 | 6°27'37 | 9♈39 | 11°17 | 24°10 | 17°15 | 21°17 | 19°10 | 3°38 | 25°52 | 29°58 | 16°R48 | 17°17 | 16° 6 | 0°52 | M20 |
| T 21 | 6 29 14 | 7°28'47 | 23°40 | 12°56 | 25°26 | 18° 2 | 21°14 | 19°16 | 3°41 | 25°51 | 29°58 | 16°48 | 17°14 | 16°12 | 0°52 | T 21 |
| W22 | 6 33 11 | 8°29'57 | 7♉31 | 14°35 | 26°41 | 18°49 | 21°10 | 19°21 | 3°44 | 25°50 | 29°57 | 16°47 | 17°10 | 16°19 | 0°51 | W22 |
| T 23 | 6 37 8 | 9°31'07 | 21°10 | 16°15 | 27°56 | 19°36 | 21° 7 | 19°27 | 3°48 | 25°49 | 29°56 | 16°46 | 17° 7 | 16°26 | 0°50 | T 23 |
| F 24 | 6 41 4 | 10°32'16 | 4♊38 | 17°55 | 29°12 | 20°23 | 21° 4 | 19°32 | 3°51 | 25°47 | 29°55 | 16°45 | 17° 4 | 16°33 | 0°50 | F 24 |
| S 25 | 6 45 1 | 11°33'25 | 17°53 | 19°35 | 0♑27 | 21°10 | 21° 1 | 19°37 | 3°54 | 25°46 | 29°54 | 16°45 | 17° 1 | 16°39 | 0°49 | S 25 |
| S 26 | 6 48 57 | 12°34'33 | 0♋54 | 21°15 | 1°42 | 21°57 | 20°59 | 19°43 | 3°57 | 25°45 | 29°53 | 16°44 | 16°58 | 16°46 | 0°49 | S 26 |
| M27 | 6 52 54 | 13°35'41 | 13°41 | 22°55 | 2°58 | 22°44 | 20°56 | 19°48 | 4° 0 | 25°44 | 29°53 | 16°D44 | 16°55 | 16°53 | 0°48 | M27 |
| T 28 | 6 56 50 | 14°36'48 | 26°15 | 24°36 | 4°13 | 23°31 | 20°54 | 19°53 | 4° 3 | 25°43 | 29°52 | 16°44 | 16°51 | 16°59 | 0°48 | T 28 |
| W29 | 7 0 47 | 15°37'55 | 8♌36 | 26°17 | 5°29 | 24°18 | 20°52 | 19°58 | 4° 6 | 25°42 | 29°51 | 16°44 | 16°48 | 17° 6 | 0°48 | W29 |
| T 30 | 7 4 44 | 16°39'01 | 20°45 | 27°57 | 6°44 | 25° 5 | 20°50 | 20° 3 | 4° 9 | 25°41 | 29°50 | 16°R44 | 16°45 | 17°13 | 0°47 | T 30 |
| F 31 | 7 8 40 | 17♑40'07 | 2♍45 | 29♑38 | 7♑59 | 25♑52 | 20♉49 | 20♏ 8 | 4♐12 | 25♉40 | 29♉50 | 16♑44 | 16♑42 | 17♍20 | 0♉47 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s53 | 18n52 | 1s14 | 22s49 | 0s39 | 19s27 | 0n51 | 24s27 | 0s57 | 17n38 | 0s59 | 15s 3 | 2n 5 | 20s37 | 0n 7 | 17n41 | 1s45 | 8n43 | 11s49 | 22s26 | 22s16 | 2n24 | 10n56 | 1s 7 |
| T 2 | 22 59 | 14 49 | 2 17 | 23 7 | 0 46 | 19 44 | 0 49 | 24 26 | 0 58 | 17 36 | 0 58 | 15 4 | 2 5 | 20 38 | 0 7 | 17 41 | 1 45 | 8 43 | 11 49 | 22 26 | 22 16 | 2 21 | 10 55 | 1 7 |
| F 3 | 23 4 | 10 14 | 3 13 | 23 25 | 0 52 | 20 1 | 0 47 | 24 25 | 0 58 | 17 35 | 0 58 | 15 6 | 2 5 | 20 39 | 0 7 | 17 41 | 1 45 | 8 43 | 11 48 | 22 26 | 22 17 | 2 18 | 10 54 | 1 7 |
| S 4 | 23 9 | 5 20 | 4 0 | 23 42 | 0 58 | 20 18 | 0 45 | 24 24 | 0 58 | 17 34 | 0 58 | 15 8 | 2 5 | 20 40 | 0 7 | 17 40 | 1 45 | 8 43 | 11 48 | 22 26 | 22 17 | 2 15 | 10 54 | 1 7 |
| S 5 | 23 13 | 0 16 | 4 37 | 23 57 | 1 3 | 20 34 | 0 42 | 24 22 | 0 58 | 17 32 | 0 58 | 15 9 | 2 5 | 20 40 | 0 7 | 17 40 | 1 45 | 8 43 | 11 48 | 22 26 | 22 18 | 2 12 | 10 53 | 1 7 |
| M 6 | 23 17 | 4s49 | 5 2 | 24 11 | 1 9 | 20 49 | 0 40 | 24 21 | 0 59 | 17 31 | 0 58 | 15 11 | 2 5 | 20 41 | 0 7 | 17 40 | 1 45 | 8 43 | 11 48 | 22 26 | 22 18 | 2 9 | 10 52 | 1 7 |
| T 7 | 23 21 | 9 46 | 5 13 | 24 24 | 1 14 | 21 4 | 0 38 | 24 18 | 0 59 | 17 30 | 0 57 | 15 13 | 2 5 | 20 42 | 0 7 | 17 40 | 1 45 | 8 43 | 11 48 | 22 26 | 22 18 | 2 6 | 10 52 | 1 7 |
| W 8 | 23 24 | 14 25 | 5 12 | 24 36 | 1 19 | 21 18 | 0 35 | 24 16 | 0 59 | 17 28 | 0 57 | 15 14 | 2 5 | 20 42 | 0 7 | 17 39 | 1 45 | 8 42 | 11 48 | 22 26 | 22 19 | 2 3 | 10 51 | 1 7 |
| T 9 | 23 26 | 18 35 | 4 55 | 24 46 | 1 24 | 21 32 | 0 33 | 24 13 | 1 0 | 17 27 | 0 57 | 15 16 | 2 5 | 20 43 | 0 7 | 17 39 | 1 45 | 8 42 | 11 48 | 22 27 | 22 19 | 2 0 | 10 51 | 1 7 |
| F 10 | 23 28 | 22 0 | 4 24 | 24 55 | 1 29 | 21 45 | 0 31 | 24 10 | 1 0 | 17 26 | 0 57 | 15 18 | 2 6 | 20 44 | 0 7 | 17 39 | 1 45 | 8 42 | 11 48 | 22 27 | 22 20 | 1 57 | 10 50 | 1 7 |
| S 11 | 23 29 | 24 24 | 3 38 | 25 2 | 1 34 | 21 57 | 0 28 | 24 7 | 1 0 | 17 25 | 0 56 | 15 19 | 2 6 | 20 44 | 0 7 | 17 38 | 1 45 | 8 42 | 11 47 | 22 27 | 22 20 | 1 54 | 10 50 | 1 7 |
| S 12 | 23 30 | 25 28 | 2 40 | 25 9 | 1 38 | 22 9 | 0 26 | 24 4 | 1 0 | 17 24 | 0 56 | 15 21 | 2 6 | 20 45 | 0 7 | 17 38 | 1 45 | 8 42 | 11 47 | 22 28 | 22 21 | 1 51 | 10 49 | 1 7 |
| M13 | 23 31 | 25 2 | 1 31 | 25 13 | 1 42 | 22 20 | 0 23 | 24 0 | 1 1 | 17 22 | 0 56 | 15 22 | 2 6 | 20 46 | 0 7 | 17 38 | 1 45 | 8 42 | 11 47 | 22 28 | 22 21 | 1 48 | 10 49 | 1 7 |
| T 14 | 23 31 | 23 1 | 0 15 | 25 17 | 1 46 | 22 30 | 0 21 | 23 56 | 1 1 | 17 21 | 0 56 | 15 24 | 2 6 | 20 46 | 0 7 | 17 37 | 1 44 | 8 42 | 11 47 | 22 28 | 22 21 | 1 45 | 10 48 | 1 7 |
| W15 | 23 31 | 19 33 | 1n 3 | 25 18 | 1 50 | 22 40 | 0 18 | 23 52 | 1 1 | 17 20 | 0 55 | 15 25 | 2 6 | 20 47 | 0 7 | 17 37 | 1 44 | 8 42 | 11 47 | 22 28 | 22 22 | 1 42 | 10 48 | 1 7 |
| T 16 | 23 30 | 14 53 | 2 18 | 25 19 | 1 53 | 22 49 | 0 16 | 23 47 | 1 1 | 17 20 | 0 55 | 15 27 | 2 6 | 20 48 | 0 7 | 17 37 | 1 44 | 8 42 | 11 47 | 22 28 | 22 22 | 1 39 | 10 47 | 1 7 |
| F 17 | 23 28 | 9 23 | 3 24 | 25 17 | 1 56 | 22 57 | 0 13 | 23 42 | 1 1 | 17 19 | 0 55 | 15 28 | 2 6 | 20 48 | 0 7 | 17 37 | 1 44 | 8 42 | 11 46 | 22 28 | 22 23 | 1 36 | 10 47 | 1 7 |
| S 18 | 23 27 | 3 24 | 4 18 | 25 15 | 1 58 | 23 4 | 0 11 | 23 37 | 1 2 | 17 18 | 0 55 | 15 30 | 2 6 | 20 49 | 0 7 | 17 36 | 1 44 | 8 42 | 11 46 | 22 28 | 22 23 | 1 33 | 10 47 | 1 7 |
| S 19 | 23 24 | 2n43 | 4 55 | 25 10 | 2 1 | 23 11 | 0 8 | 23 31 | 1 2 | 17 17 | 0 54 | 15 31 | 2 6 | 20 50 | 0 7 | 17 36 | 1 44 | 8 42 | 11 46 | 22 27 | 22 23 | 1 30 | 10 46 | 1 7 |
| M20 | 23 22 | 8 39 | 5 14 | 25 4 | 2 3 | 23 17 | 0 6 | 23 26 | 1 2 | 17 16 | 0 54 | 15 33 | 2 7 | 20 50 | 0 7 | 17 36 | 1 44 | 8 42 | 11 46 | 22 27 | 22 24 | 1 27 | 10 46 | 1 7 |
| T 21 | 23 18 | 14 5 | 5 15 | 24 57 | 2 4 | 23 23 | 0 4 | 23 20 | 1 2 | 17 16 | 0 54 | 15 34 | 2 7 | 20 51 | 0 7 | 17 36 | 1 44 | 8 42 | 11 46 | 22 27 | 22 24 | 1 24 | 10 46 | 1 7 |
| W22 | 23 15 | 18 44 | 4 56 | 24 48 | 2 6 | 23 28 | 0 1 | 23 13 | 1 2 | 17 15 | 0 54 | 15 35 | 2 7 | 20 51 | 0 7 | 17 35 | 1 44 | 8 42 | 11 45 | 22 28 | 22 25 | 1 21 | 10 45 | 1 7 |
| T 23 | 23 11 | 22 19 | 4 22 | 24 37 | 2 6 | 23 32 | 0s 1 | 23 7 | 1 3 | 17 14 | 0 53 | 15 37 | 2 7 | 20 52 | 0 7 | 17 35 | 1 44 | 8 42 | 11 45 | 22 28 | 22 25 | 1 18 | 10 45 | 1 7 |
| F 24 | 23 6 | 24 37 | 3 33 | 24 25 | 2 7 | 23 35 | 0 4 | 23 0 | 1 3 | 17 14 | 0 53 | 15 38 | 2 7 | 20 53 | 0 7 | 17 35 | 1 44 | 8 42 | 11 45 | 22 28 | 22 25 | 1 15 | 10 45 | 1 7 |
| S 25 | 23 1 | 25 31 | 2 33 | 24 10 | 2 7 | 23 37 | 0 6 | 22 53 | 1 3 | 17 13 | 0 53 | 15 39 | 2 7 | 20 53 | 0 7 | 17 35 | 1 44 | 8 42 | 11 45 | 22 28 | 22 26 | 1 12 | 10 45 | 1 7 |
| S 26 | 22 55 | 24 58 | 1 27 | 23 55 | 2 6 | 23 39 | 0 9 | 22 46 | 1 3 | 17 13 | 0 52 | 15 41 | 2 7 | 20 54 | 0 7 | 17 35 | 1 44 | 8 42 | 11 45 | 22 28 | 22 26 | 1 9 | 10 44 | 1 7 |
| M27 | 22 49 | 23 6 | 0 17 | 23 37 | 2 5 | 23 40 | 0 11 | 22 38 | 1 3 | 17 13 | 0 52 | 15 42 | 2 7 | 20 54 | 0 7 | 17 34 | 1 44 | 8 42 | 11 44 | 22 28 | 22 27 | 1 5 | 10 44 | 1 8 |
| T 28 | 22 43 | 20 7 | 0s53 | 23 18 | 2 4 | 23 41 | 0 14 | 22 30 | 1 3 | 17 12 | 0 52 | 15 43 | 2 8 | 20 55 | 0 7 | 17 34 | 1 44 | 8 42 | 11 44 | 22 28 | 22 27 | 1 2 | 10 44 | 1 8 |
| W29 | 22 36 | 16 16 | 1 58 | 22 57 | 2 2 | 23 40 | 0 16 | 22 22 | 1 4 | 17 12 | 0 52 | 15 44 | 2 8 | 20 55 | 0 7 | 17 34 | 1 44 | 8 42 | 11 44 | 22 28 | 22 27 | 0 59 | 10 44 | 1 8 |
| T 30 | 22 29 | 11 49 | 2 58 | 22 35 | 1 59 | 23 39 | 0 18 | 22 14 | 1 4 | 17 12 | 0 51 | 15 46 | 2 8 | 20 56 | 0 7 | 17 34 | 1 44 | 8 43 | 11 44 | 22 28 | 22 28 | 0 56 | 10 44 | 1 8 |
| F 31 | 22s21 | 6n58 | 3s49 | 22s11 | 1s56 | 23s37 | 0s21 | 22s 5 | 1s 4 | 17n12 | 0s51 | 15s47 | 2n 8 | 20s57 | 0n 7 | 17n34 | 1s44 | 8n43 | 11s44 | 22s28 | 22s28 | 0n53 | 10n44 | 1s 8 |

Julian Day Number = 2230915.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'49, Lahiri = 15°25'49 Julian Calendar 1 Dec. 1395 == Greg. Calendar 9 Dec. 1395


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## JANUARY 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 12 37 | 18♑41'13 | 14♍39 | 1♒18 | 9♑15 | 26♑40 | 20°R47 | 20♏12 | 4♐15 | 25°R40 | 29°R49 | 16°R44 | 16♑39 | 17♍26 | 0°R47 | S 1 |
| S 2 | 7 16 33 | 19°42'18 | 26°30 | 2°57 | 10°30 | 27°27 | 20♉46 | 20°17 | 4°18 | 25♉39 | 29♉48 | 16♑44 | 16°36 | 17°33 | 0°D47 | S 2 |
| M 3 | 7 20 30 | 20°43'23 | 8♎23 | 4°36 | 11°45 | 28°14 | 20°45 | 20°22 | 4°21 | 25°38 | 29°47 | 16°44 | 16°32 | 17°40 | 0♉47 | M 3 |
| T 4 | 7 24 26 | 21°44'27 | 20°21 | 6°14 | 13° 1 | 29° 1 | 20°44 | 20°26 | 4°23 | 25°37 | 29°47 | 16°D43 | 16°29 | 17°46 | 0°47 | T 4 |
| W 5 | 7 28 23 | 22°45'31 | 2♏30 | 7°51 | 14°16 | 29°49 | 20°44 | 20°31 | 4°26 | 25°36 | 29°46 | 16°44 | 16°26 | 17°53 | 0°48 | W 5 |
| T 6 | 7 32 19 | 23°46'35 | 14°54 | 9°26 | 15°32 | 0♒36 | 20°43 | 20°35 | 4°29 | 25°36 | 29°46 | 16°44 | 16°23 | 18° 0 | 0°48 | T 6 |
| F 7 | 7 36 16 | 24°47'38 | 27°37 | 11° 0 | 16°47 | 1°23 | 20°D43 | 20°40 | 4°32 | 25°35 | 29°45 | 16°45 | 16°20 | 18° 6 | 0°48 | F 7 |
| S 8 | 7 40 13 | 25°48'40 | 10♐44 | 12°31 | 18° 2 | 2°10 | 20°43 | 20°44 | 4°34 | 25°34 | 29°44 | 16°46 | 16°16 | 18°13 | 0°48 | S 8 |
| S 9 | 7 44 9 | 26°49'42 | 24°14 | 13°59 | 19°18 | 2°58 | 20°44 | 20°48 | 4°37 | 25°33 | 29°44 | 16°46 | 16°13 | 18°20 | 0°49 | S 9 |
| M10 | 7 48 6 | 27°50'44 | 8♑ 9 | 15°24 | 20°33 | 3°45 | 20°44 | 20°52 | 4°39 | 25°33 | 29°43 | 16°47 | 16°10 | 18°27 | 0°49 | M10 |
| T 11 | 7 52 2 | 28°51'44 | 22°26 | 16°45 | 21°48 | 4°32 | 20°45 | 20°56 | 4°42 | 25°32 | 29°43 | 16°R47 | 16° 7 | 18°33 | 0°50 | T 11 |
| W12 | 7 55 59 | 29°52'43 | 7♒ 2 | 18° 1 | 23° 4 | 5°20 | 20°46 | 21° 0 | 4°44 | 25°32 | 29°42 | 16°46 | 16° 4 | 18°40 | 0°50 | W12 |
| T 13 | 7 59 55 | 0♒53'42 | 21°48 | 19°12 | 24°19 | 6° 7 | 20°47 | 21° 4 | 4°47 | 25°31 | 29°42 | 16°45 | 16° 1 | 18°47 | 0°51 | T 13 |
| F 14 | 8 3 52 | 1°54'39 | 6♓39 | 20°17 | 25°34 | 6°55 | 20°48 | 21° 8 | 4°49 | 25°31 | 29°41 | 16°43 | 15°57 | 18°53 | 0°52 | F 14 |
| S 15 | 8 7 48 | 2°55'35 | 21°25 | 21°15 | 26°50 | 7°42 | 20°49 | 21°12 | 4°52 | 25°30 | 29°41 | 16°41 | 15°54 | 19° 0 | 0°53 | S 15 |
| S 16 | 8 11 45 | 3°56'29 | 6♈ 1 | 22° 5 | 28° 5 | 8°29 | 20°51 | 21°15 | 4°54 | 25°30 | 29°40 | 16°39 | 15°51 | 19° 7 | 0°54 | S 16 |
| M17 | 8 15 42 | 4°57'22 | 20°21 | 22°46 | 29°20 | 9°17 | 20°53 | 21°19 | 4°56 | 25°30 | 29°40 | 16°38 | 15°48 | 19°14 | 0°54 | M17 |
| T 18 | 8 19 38 | 5°58'14 | 4♉24 | 23°18 | 0♒35 | 10° 4 | 20°55 | 21°22 | 4°59 | 25°29 | 29°40 | 16°D37 | 15°45 | 19°20 | 0°55 | T 18 |
| W19 | 8 23 35 | 6°59'04 | 18° 7 | 23°41 | 1°51 | 10°52 | 20°57 | 21°26 | 5° 1 | 25°29 | 29°39 | 16°38 | 15°42 | 19°27 | 0°57 | W19 |
| T 20 | 8 27 31 | 7°59'53 | 1♊31 | 23°52 | 3° 6 | 11°39 | 21° 0 | 21°29 | 5° 3 | 25°29 | 29°39 | 16°39 | 15°38 | 19°34 | 0°58 | T 20 |
| F 21 | 8 31 28 | 9° 0'40 | 14°39 | 23°R53 | 4°21 | 12°26 | 21° 3 | 21°32 | 5° 5 | 25°28 | 29°39 | 16°40 | 15°35 | 19°40 | 0°59 | F 21 |
| S 22 | 8 35 24 | 10° 1'25 | 27°31 | 23°43 | 5°36 | 13°14 | 21° 6 | 21°35 | 5° 7 | 25°28 | 29°38 | 16°42 | 15°32 | 19°47 | 1° 0 | S 22 |
| S 23 | 8 39 21 | 11° 2'10 | 10♋ 9 | 23°22 | 6°52 | 14° 1 | 21° 9 | 21°38 | 5° 9 | 25°28 | 29°38 | 16°43 | 15°29 | 19°54 | 1° 1 | S 23 |
| M24 | 8 43 17 | 12° 2'52 | 22°37 | 22°51 | 8° 7 | 14°49 | 21°12 | 21°41 | 5°11 | 25°28 | 29°38 | 16°R43 | 15°26 | 20° 1 | 1° 3 | M24 |
| T 25 | 8 47 14 | 13° 3'33 | 4♌54 | 22°10 | 9°22 | 15°36 | 21°15 | 21°44 | 5°13 | 25°28 | 29°37 | 16°42 | 15°22 | 20° 7 | 1° 4 | T 25 |
| W26 | 8 51 11 | 14° 4'13 | 17° 3 | 21°21 | 10°37 | 16°24 | 21°19 | 21°46 | 5°15 | 25°28 | 29°37 | 16°39 | 15°19 | 20°14 | 1° 6 | W26 |
| T 27 | 8 55 7 | 15° 4'51 | 29° 5 | 20°24 | 11°52 | 17°11 | 21°23 | 21°49 | 5°17 | 25°28 | 29°37 | 16°35 | 15°16 | 20°21 | 1° 7 | T 27 |
| F 28 | 8 59 4 | 16° 5'28 | 11♍ 2 | 19°21 | 13° 7 | 17°58 | 21°27 | 21°52 | 5°19 | 25°D28 | 29°37 | 16°30 | 15°13 | 20°27 | 1° 9 | F 28 |
| S 29 | 9 3 0 | 17° 6'03 | 22°55 | 18°15 | 14°23 | 18°46 | 21°31 | 21°54 | 5°20 | 25°28 | 29°37 | 16°24 | 15°10 | 20°34 | 1°10 | S 29 |
| S 30 | 9 6 57 | 18° 6'37 | 4♎46 | 17° 6 | 15°38 | 19°33 | 21°35 | 21°56 | 5°22 | 25°28 | 29°37 | 16°18 | 15° 7 | 20°41 | 1°12 | S 30 |
| M31 | 9 10 53 | 19♒ 7'10 | 16♎39 | 15♒57 | 16♒53 | 20♒21 | 21♉40 | 21♏59 | 5♐24 | 25♉28 | 29♉37 | 16♑13 | 15♑ 3 | 20♍47 | 1♉14 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s13 | 1n56 | 4s29 | 21s45 | 1s52 | 23s35 | 0s23 | 21s56 | 1s 4 | 17n12 | 0s51 | 15s48 | 2n 8 | 20s57 | 0n 7 | 17n34 | 1s44 | 8n43 | 11s43 | 22s28 | 22s29 | 0n50 | 10n44 | 1s 8 |
| S 2 | 22 4 | 3s 9 | 4 58 | 21 18 | 1 47 | 23 31 | 0 25 | 21 47 | 1 4 | 17 11 | 0 51 | 15 49 | 2 8 | 20 58 | 0 7 | 17 33 | 1 44 | 8 43 | 11 43 | 22 28 | 22 29 | 0 47 | 10 44 | 1 8 |
| M 3 | 21 55 | 8 8 | 5 14 | 20 49 | 1 42 | 23 27 | 0 28 | 21 38 | 1 4 | 17 11 | 0 50 | 15 50 | 2 8 | 20 58 | 0 7 | 17 33 | 1 44 | 8 43 | 11 43 | 22 28 | 22 29 | 0 44 | 10 44 | 1 8 |
| T 4 | 21 45 | 12 51 | 5 17 | 20 19 | 1 36 | 23 23 | 0 30 | 21 28 | 1 4 | 17 12 | 0 50 | 15 51 | 2 9 | 20 59 | 0 7 | 17 33 | 1 43 | 8 43 | 11 43 | 22 28 | 22 30 | 0 41 | 10 44 | 1 8 |
| W 5 | 21 35 | 17 9 | 5 5 | 19 48 | 1 29 | 23 17 | 0 32 | 21 18 | 1 4 | 17 12 | 0 50 | 15 52 | 2 9 | 20 59 | 0 7 | 17 33 | 1 43 | 8 43 | 11 42 | 22 28 | 22 30 | 0 38 | 10 44 | 1 8 |
| T 6 | 21 25 | 20 49 | 4 40 | 19 16 | 1 22 | 23 11 | 0 34 | 21 8 | 1 5 | 17 12 | 0 50 | 15 53 | 2 9 | 21 0 | 0 7 | 17 33 | 1 43 | 8 43 | 11 42 | 22 28 | 22 31 | 0 35 | 10 44 | 1 8 |
| F 7 | 21 14 | 23 35 | 4 0 | 18 42 | 1 13 | 23 4 | 0 37 | 20 58 | 1 5 | 17 12 | 0 49 | 15 54 | 2 9 | 21 0 | 0 7 | 17 33 | 1 43 | 8 43 | 11 42 | 22 28 | 22 31 | 0 32 | 10 44 | 1 8 |
| S 8 | 21 3 | 25 13 | 3 7 | 18 8 | 1 4 | 22 56 | 0 39 | 20 47 | 1 5 | 17 12 | 0 49 | 15 55 | 2 9 | 21 1 | 0 7 | 17 33 | 1 43 | 8 43 | 11 42 | 22 28 | 22 31 | 0 29 | 10 44 | 1 8 |
| S 9 | 20 52 | 25 25 | 2 2 | 17 33 | 0 54 | 22 48 | 0 41 | 20 37 | 1 5 | 17 13 | 0 49 | 15 56 | 2 9 | 21 1 | 0 7 | 17 33 | 1 43 | 8 44 | 11 41 | 22 28 | 22 32 | 0 26 | 10 44 | 1 8 |
| M10 | 20 40 | 24 4 | 0 48 | 16 57 | 0 43 | 22 39 | 0 43 | 20 26 | 1 5 | 17 13 | 0 48 | 15 57 | 2 9 | 21 2 | 0 7 | 17 32 | 1 43 | 8 44 | 11 41 | 22 28 | 22 32 | 0 24 | 10 44 | 1 8 |
| T 11 | 20 27 | 21 8 | 0n31 | 16 22 | 0 31 | 22 29 | 0 45 | 20 14 | 1 5 | 17 13 | 0 48 | 15 58 | 2 10 | 21 2 | 0 7 | 17 32 | 1 43 | 8 44 | 11 41 | 22 28 | 22 33 | 0 21 | 10 45 | 1 8 |
| W12 | 20 15 | 16 48 | 1 50 | 15 46 | 0 18 | 22 19 | 0 47 | 20 3 | 1 5 | 17 14 | 0 48 | 15 59 | 2 10 | 21 3 | 0 7 | 17 32 | 1 43 | 8 44 | 11 41 | 22 28 | 22 33 | 0 18 | 10 45 | 1 8 |
| T 13 | 20 1 | 11 25 | 3 2 | 15 11 | 0 5 | 22 8 | 0 49 | 19 51 | 1 5 | 17 15 | 0 48 | 16 0 | 2 10 | 21 3 | 0 7 | 17 32 | 1 43 | 8 44 | 11 40 | 22 28 | 22 33 | 0 15 | 10 45 | 1 8 |
| F 14 | 19 48 | 5 21 | 4 2 | 14 37 | 0n10 | 21 56 | 0 51 | 19 39 | 1 5 | 17 15 | 0 47 | 16 0 | 2 10 | 21 4 | 0 7 | 17 32 | 1 43 | 8 44 | 11 40 | 22 28 | 22 34 | 0 12 | 10 45 | 1 8 |
| S 15 | 19 34 | 0n58 | 4 46 | 14 4 | 0 25 | 21 43 | 0 53 | 19 27 | 1 5 | 17 16 | 0 47 | 16 1 | 2 10 | 21 4 | 0 7 | 17 32 | 1 43 | 8 44 | 11 40 | 22 28 | 22 34 | 0 9 | 10 45 | 1 8 |
| S 16 | 19 20 | 7 8 | 5 10 | 13 33 | 0 41 | 21 30 | 0 55 | 19 15 | 1 5 | 17 16 | 0 47 | 16 2 | 2 10 | 21 4 | 0 7 | 17 32 | 1 43 | 8 45 | 11 40 | 22 29 | 22 34 | 0 6 | 10 46 | 1 8 |
| M17 | 19 5 | 12 50 | 5 15 | 13 4 | 0 57 | 21 17 | 0 56 | 19 2 | 1 5 | 17 17 | 0 47 | 16 3 | 2 11 | 21 5 | 0 7 | 17 32 | 1 43 | 8 45 | 11 39 | 22 29 | 22 35 | 0 3 | 10 46 | 1 8 |
| T 18 | 18 50 | 17 44 | 5 1 | 12 38 | 1 14 | 21 2 | 0 58 | 18 49 | 1 5 | 17 18 | 0 46 | 16 4 | 2 11 | 21 5 | 0 7 | 17 32 | 1 43 | 8 45 | 11 39 | 22 29 | 22 35 | 0s 0 | 10 46 | 1 8 |
| W19 | 18 35 | 21 35 | 4 29 | 12 14 | 1 31 | 20 47 | 1 0 | 18 36 | 1 5 | 17 19 | 0 46 | 16 4 | 2 11 | 21 6 | 0 7 | 17 32 | 1 43 | 8 45 | 11 39 | 22 29 | 22 36 | 0 3 | 10 47 | 1 8 |
| T 20 | 18 20 | 24 11 | 3 44 | 11 54 | 1 48 | 20 32 | 1 2 | 18 23 | 1 5 | 17 20 | 0 46 | 16 5 | 2 11 | 21 6 | 0 7 | 17 32 | 1 43 | 8 45 | 11 39 | 22 29 | 22 36 | 0 6 | 10 47 | 1 8 |
| F 21 | 18 4 | 25 24 | 2 48 | 11 38 | 2 5 | 20 16 | 1 3 | 18 10 | 1 5 | 17 21 | 0 46 | 16 6 | 2 11 | 21 6 | 0 7 | 17 32 | 1 42 | 8 46 | 11 38 | 22 28 | 22 36 | 0 9 | 10 47 | 1 8 |
| S 22 | 17 48 | 25 13 | 1 44 | 11 26 | 2 22 | 19 59 | 1 5 | 17 56 | 1 5 | 17 22 | 0 45 | 16 6 | 2 12 | 21 7 | 0 7 | 17 32 | 1 42 | 8 46 | 11 38 | 22 28 | 22 37 | 0 12 | 10 48 | 1 8 |
| S 23 | 17 31 | 23 44 | 0 36 | 11 18 | 2 38 | 19 41 | 1 6 | 17 43 | 1 5 | 17 23 | 0 45 | 16 7 | 2 12 | 21 7 | 0 7 | 17 32 | 1 42 | 8 46 | 11 38 | 22 28 | 22 37 | 0 15 | 10 48 | 1 8 |
| M24 | 17 14 | 21 5 | 0s32 | 11 14 | 2 52 | 19 23 | 1 8 | 17 29 | 1 5 | 17 24 | 0 45 | 16 7 | 2 12 | 21 7 | 0 7 | 17 32 | 1 42 | 8 46 | 11 37 | 22 28 | 22 37 | 0 18 | 10 49 | 1 8 |
| T 25 | 16 57 | 17 31 | 1 38 | 11 14 | 3 6 | 19 5 | 1 9 | 17 15 | 1 5 | 17 25 | 0 45 | 16 8 | 2 12 | 21 8 | 0 7 | 17 32 | 1 42 | 8 46 | 11 37 | 22 28 | 22 38 | 0 21 | 10 49 | 1 8 |
| W26 | 16 40 | 13 15 | 2 39 | 11 19 | 3 18 | 18 46 | 1 11 | 17 0 | 1 5 | 17 26 | 0 44 | 16 8 | 2 12 | 21 8 | 0 7 | 17 32 | 1 42 | 8 47 | 11 37 | 22 29 | 22 38 | 0 24 | 10 50 | 1 8 |
| T 27 | 16 22 | 8 31 | 3 32 | 11 27 | 3 28 | 18 26 | 1 12 | 16 46 | 1 5 | 17 28 | 0 44 | 16 9 | 2 12 | 21 9 | 0 7 | 17 32 | 1 42 | 8 47 | 11 37 | 22 29 | 22 38 | 0 27 | 10 50 | 1 8 |
| F 28 | 16 4 | 3 32 | 4 14 | 11 39 | 3 35 | 18 6 | 1 13 | 16 31 | 1 5 | 17 29 | 0 44 | 16 9 | 2 13 | 21 9 | 0 7 | 17 32 | 1 42 | 8 47 | 11 36 | 22 30 | 22 39 | 0 30 | 10 51 | 1 8 |
| S 29 | 15 46 | 1s33 | 4 46 | 11 54 | 3 41 | 17 46 | 1 14 | 16 16 | 1 5 | 17 30 | 0 44 | 16 10 | 2 13 | 21 9 | 0 7 | 17 32 | 1 42 | 8 47 | 11 36 | 22 30 | 22 39 | 0 33 | 10 51 | 1 8 |
| S 30 | 15 27 | 6 34 | 5 5 | 12 12 | 3 44 | 17 24 | 1 16 | 16 1 | 1 5 | 17 32 | 0 43 | 16 10 | 2 13 | 21 9 | 0 7 | 17 32 | 1 42 | 8 48 | 11 36 | 22 31 | 22 40 | 0 36 | 10 52 | 1 8 |
| M31 | 15s 8 | 11s21 | 5s12 | 12s32 | 3n45 | 17s 3 | 1s17 | 15s46 | 1s 4 | 17n33 | 0s43 | 16s11 | 2n13 | 21s10 | 0n 7 | 17n33 | 1s42 | 8n48 | 11s36 | 22s32 | 22s40 | 0s39 | 10n53 | 1s 8 |

Julian Day Number = 2230946.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'53, Lahiri = 15°25'54 Julian Calendar 1 Jan. 1396 == Greg. Calendar 9 Jan. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## FEBRUARY 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 14 50 | 20♒ 7'42 | 28♎36 | 14°R50 | 18♒ 8 | 21♒ 8 | 21♉45 | 22♏ 1 | 5♐25 | 25♉28 | 29°R36 | 16°R10 | 15♑ 0 | 20♍54 | 1♉16 | T 1 |
| W 2 | 9 18 46 | 21° 8'12 | 10♏43 | 13♒46 | 19°23 | 21°55 | 21°50 | 22° 3 | 5°27 | 25°28 | 29♉36 | 16♑ 7 | 14°57 | 21° 1 | 1°18 | W 2 |
| T 3 | 9 22 43 | 22° 8'41 | 23° 2 | 12°46 | 20°38 | 22°43 | 21°55 | 22° 5 | 5°28 | 25°28 | 29°36 | 16°D 7 | 14°54 | 21° 8 | 1°19 | T 3 |
| F 4 | 9 26 40 | 23° 9'08 | 5♐40 | 11°51 | 21°53 | 23°30 | 22° 0 | 22° 7 | 5°30 | 25°28 | 29°D36 | 16° 7 | 14°51 | 21°14 | 1°21 | F 4 |
| S 5 | 9 30 36 | 24° 9'34 | 18°39 | 11° 3 | 23° 8 | 24°18 | 22° 5 | 22° 8 | 5°31 | 25°29 | 29°36 | 16° 9 | 14°48 | 21°21 | 1°24 | S 5 |
| S 6 | 9 34 33 | 25° 9'59 | 2♑ 5 | 10°22 | 24°23 | 25° 5 | 22°11 | 22°10 | 5°32 | 25°29 | 29°36 | 16°10 | 14°44 | 21°28 | 1°26 | S 6 |
| M 7 | 9 38 29 | 26°10'22 | 15°58 | 9°48 | 25°38 | 25°52 | 22°17 | 22°12 | 5°34 | 25°29 | 29°36 | 16°R11 | 14°41 | 21°34 | 1°28 | M 7 |
| T 8 | 9 42 26 | 27°10'44 | 0♓19 | 9°21 | 26°53 | 26°40 | 22°23 | 22°13 | 5°35 | 25°30 | 29°36 | 16°10 | 14°38 | 21°41 | 1°30 | T 8 |
| W 9 | 9 46 22 | 28°11'04 | 15° 4 | 9° 2 | 28° 8 | 27°27 | 22°29 | 22°14 | 5°36 | 25°30 | 29°37 | 16° 7 | 14°35 | 21°48 | 1°32 | W 9 |
| T 10 | 9 50 19 | 29°11'23 | 0♈ 7 | 8°50 | 29°24 | 28°15 | 22°35 | 22°16 | 5°37 | 25°31 | 29°37 | 16° 3 | 14°32 | 21°55 | 1°35 | T 10 |
| F 11 | 9 54 15 | 0♈11'39 | 15°20 | 8°D44 | 0♈39 | 29° 2 | 22°42 | 22°17 | 5°38 | 25°31 | 29°37 | 15°56 | 14°28 | 22° 1 | 1°37 | F 11 |
| S 12 | 9 58 12 | 1°11'54 | 0♈31 | 8°46 | 1°53 | 29°49 | 22°48 | 22°18 | 5°39 | 25°32 | 29°37 | 15°49 | 14°25 | 22° 8 | 1°39 | S 12 |
| S 13 | 10 2 9 | 2°12'07 | 15°30 | 8°54 | 3° 8 | 0♈36 | 22°55 | 22°19 | 5°40 | 25°32 | 29°37 | 15°42 | 14°22 | 22°15 | 1°42 | S 13 |
| M14 | 10 6 5 | 3°12'17 | 0♉ 9 | 9° 7 | 4°23 | 1°24 | 23° 2 | 22°20 | 5°41 | 25°33 | 29°37 | 15°37 | 14°19 | 22°21 | 1°44 | M14 |
| T 15 | 10 10 2 | 4°12'26 | 14°24 | 9°27 | 5°38 | 2°11 | 23° 9 | 22°20 | 5°42 | 25°33 | 29°38 | 15°33 | 14°16 | 22°28 | 1°47 | T 15 |
| W16 | 10 13 58 | 5°12'32 | 28°12 | 9°51 | 6°53 | 2°58 | 23°16 | 22°21 | 5°43 | 25°34 | 29°38 | 15°31 | 14°13 | 22°35 | 1°49 | W16 |
| T 17 | 10 17 55 | 6°12'37 | 11♊34 | 10°21 | 8° 8 | 3°46 | 23°24 | 22°21 | 5°44 | 25°35 | 29°38 | 15°D31 | 14° 9 | 22°42 | 1°52 | T 17 |
| F 18 | 10 21 51 | 7°12'39 | 24°34 | 10°55 | 9°23 | 4°33 | 23°31 | 22°22 | 5°45 | 25°35 | 29°38 | 15°32 | 14° 6 | 22°48 | 1°55 | F 18 |
| S 19 | 10 25 48 | 8°12'39 | 7♋14 | 11°34 | 10°38 | 5°20 | 23°39 | 22°22 | 5°45 | 25°36 | 29°39 | 15°33 | 14° 3 | 22°55 | 1°58 | S 19 |
| S 20 | 10 29 44 | 9°12'37 | 19°39 | 12°16 | 11°53 | 6° 7 | 23°47 | 22°22 | 5°46 | 25°37 | 29°39 | 15°R33 | 14° 0 | 23° 2 | 2° 0 | S 20 |
| M21 | 10 33 41 | 10°12'32 | 1♌52 | 13° 2 | 13° 8 | 6°54 | 23°54 | 22°23 | 5°46 | 25°38 | 29°39 | 15°31 | 13°57 | 23° 8 | 2° 3 | M21 |
| T 22 | 10 37 38 | 11°12'26 | 13°57 | 13°52 | 14°22 | 7°41 | 24° 3 | 22°R23 | 5°47 | 25°39 | 29°40 | 15°28 | 13°54 | 23°15 | 2° 6 | T 22 |
| W23 | 10 41 34 | 12°12'17 | 25°56 | 14°45 | 15°37 | 8°28 | 24°11 | 22°23 | 5°47 | 25°39 | 29°40 | 15°21 | 13°50 | 23°22 | 2° 9 | W23 |
| T 24 | 10 45 31 | 13°12'06 | 7♍51 | 15°41 | 16°52 | 9°16 | 24°19 | 22°22 | 5°48 | 25°40 | 29°41 | 15°12 | 13°47 | 23°29 | 2°12 | T 24 |
| F 25 | 10 49 27 | 14°11'53 | 19°44 | 16°39 | 18° 7 | 10° 3 | 24°28 | 22°22 | 5°48 | 25°41 | 29°41 | 15° 1 | 13°44 | 23°35 | 2°15 | F 25 |
| S 26 | 10 53 24 | 15°11'39 | 1♎36 | 17°41 | 19°21 | 10°50 | 24°36 | 22°22 | 5°48 | 25°42 | 29°41 | 14°49 | 13°41 | 23°42 | 2°18 | S 26 |
| S 27 | 10 57 20 | 16°11'22 | 13°29 | 18°45 | 20°36 | 11°37 | 24°45 | 22°21 | 5°49 | 25°43 | 29°42 | 14°38 | 13°38 | 23°49 | 2°21 | S 27 |
| M28 | 11 1 17 | 17°11'03 | 25°25 | 19°51 | 21°51 | 12°24 | 24°54 | 22°21 | 5°49 | 25°44 | 29°42 | 14°27 | 13°34 | 23°55 | 2°24 | M28 |
| T 29 | 11 5 13 | 18♈10'43 | 7♏25 | 21♒ 0 | 23♈ 5 | 13♈11 | 25♉ 3 | 22♏20 | 5♐49 | 25♉45 | 29♉43 | 14♑18 | 13♑31 | 24♍ 2 | 2♉27 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s49 | 15s45 | 5s 4 | 12s53 | 3n43 | 16s41 | 1s18 | 15s31 | 1s 4 | 17n34 | 0s43 | 16s11 | 2n13 | 21s10 | 0n 7 | 17n33 | 1s42 | 8n48 | 11s35 | 22s32 | 22s40 | 0s42 | 10n53 | 1s 8 |
| W 2 | 14 30 | 19 34 | 4 44 | 13 14 | 3 40 | 16 18 | 1 19 | 15 16 | 1 4 | 17 36 | 0 43 | 16 11 | 2 14 | 21 10 | 0 7 | 17 33 | 1 42 | 8 48 | 11 35 | 22 32 | 22 41 | 0 45 | 10 54 | 1 8 |
| T 3 | 14 10 | 22 37 | 4 10 | 13 36 | 3 34 | 15 55 | 1 20 | 15 0 | 1 4 | 17 37 | 0 42 | 16 12 | 2 14 | 21 11 | 0 7 | 17 33 | 1 42 | 8 49 | 11 35 | 22 33 | 22 41 | 0 48 | 10 54 | 1 8 |
| F 4 | 13 51 | 24 39 | 3 23 | 13 59 | 3 27 | 15 32 | 1 20 | 14 44 | 1 4 | 17 39 | 0 42 | 16 12 | 2 14 | 21 11 | 0 7 | 17 33 | 1 42 | 8 49 | 11 34 | 22 32 | 22 41 | 0 51 | 10 55 | 1 8 |
| S 5 | 13 31 | 25 26 | 2 24 | 14 20 | 3 18 | 15 8 | 1 21 | 14 28 | 1 4 | 17 41 | 0 42 | 16 12 | 2 14 | 21 11 | 0 7 | 17 33 | 1 42 | 8 49 | 11 34 | 22 32 | 22 42 | 0 54 | 10 56 | 1 8 |
| S 6 | 13 11 | 24 46 | 1 16 | 14 41 | 3 8 | 14 43 | 1 22 | 14 12 | 1 4 | 17 42 | 0 42 | 16 12 | 2 14 | 21 11 | 0 7 | 17 33 | 1 41 | 8 49 | 11 34 | 22 32 | 22 42 | 0 57 | 10 56 | 1 8 |
| M 7 | 12 50 | 22 35 | 0 1 | 15 1 | 2 57 | 14 19 | 1 23 | 13 56 | 1 4 | 17 44 | 0 41 | 16 13 | 2 14 | 21 12 | 0 7 | 17 33 | 1 41 | 8 50 | 11 34 | 22 32 | 22 42 | 1 0 | 10 57 | 1 8 |
| T 8 | 12 29 | 18 55 | 1n16 | 15 19 | 2 45 | 13 54 | 1 23 | 13 40 | 1 4 | 17 46 | 0 41 | 16 13 | 2 15 | 21 12 | 0 7 | 17 34 | 1 41 | 8 50 | 11 33 | 22 32 | 22 43 | 1 3 | 10 58 | 1 8 |
| W 9 | 12 9 | 13 59 | 2 30 | 15 36 | 2 33 | 13 28 | 1 24 | 13 23 | 1 3 | 17 48 | 0 41 | 16 13 | 2 15 | 21 12 | 0 7 | 17 34 | 1 41 | 8 50 | 11 33 | 22 32 | 22 43 | 1 6 | 10 59 | 1 8 |
| T 10 | 11 48 | 8 6 | 3 35 | 15 52 | 2 20 | 13 2 | 1 24 | 13 7 | 1 3 | 17 49 | 0 41 | 16 13 | 2 15 | 21 12 | 0 7 | 17 34 | 1 41 | 8 51 | 11 33 | 22 33 | 22 43 | 1 9 | 10 59 | 1 8 |
| F 11 | 11 26 | 1 43 | 4 26 | 16 6 | 2 6 | 12 36 | 1 25 | 12 50 | 1 3 | 17 51 | 0 40 | 16 13 | 2 15 | 21 12 | 0 7 | 17 34 | 1 41 | 8 51 | 11 32 | 22 34 | 22 44 | 1 12 | 11 0 | 1 8 |
| S 12 | 11 5 | 4n45 | 4 57 | 16 19 | 1 53 | 12 10 | 1 25 | 12 33 | 1 3 | 17 53 | 0 40 | 16 13 | 2 15 | 21 13 | 0 7 | 17 34 | 1 41 | 8 51 | 11 32 | 22 35 | 22 44 | 1 15 | 11 1 | 1 8 |
| S 13 | 10 43 | 10 51 | 5 8 | 16 29 | 1 40 | 11 43 | 1 25 | 12 16 | 1 3 | 17 55 | 0 40 | 16 13 | 2 16 | 21 13 | 0 7 | 17 34 | 1 41 | 8 52 | 11 32 | 22 35 | 22 44 | 1 18 | 11 2 | 1 8 |
| M14 | 10 22 | 16 13 | 4 58 | 16 39 | 1 27 | 11 16 | 1 26 | 11 59 | 1 3 | 17 57 | 0 40 | 16 13 | 2 16 | 21 13 | 0 7 | 17 35 | 1 41 | 8 52 | 11 32 | 22 36 | 22 45 | 1 21 | 11 3 | 1 9 |
| T 15 | 10 0 | 20 30 | 4 30 | 16 46 | 1 13 | 10 48 | 1 26 | 11 42 | 1 2 | 17 59 | 0 39 | 16 13 | 2 16 | 21 13 | 0 7 | 17 35 | 1 41 | 8 52 | 11 31 | 22 37 | 22 45 | 1 23 | 11 4 | 1 9 |
| W16 | 9 38 | 23 31 | 3 47 | 16 52 | 1 0 | 10 21 | 1 26 | 11 25 | 1 2 | 18 1 | 0 39 | 16 13 | 2 16 | 21 13 | 0 7 | 17 35 | 1 41 | 8 53 | 11 31 | 22 37 | 22 45 | 1 26 | 11 4 | 1 9 |
| T 17 | 9 16 | 25 6 | 2 52 | 16 56 | 0 48 | 9 53 | 1 26 | 11 7 | 1 2 | 18 3 | 0 39 | 16 13 | 2 16 | 21 13 | 0 7 | 17 35 | 1 41 | 8 53 | 11 31 | 22 37 | 22 46 | 1 29 | 11 5 | 1 9 |
| F 18 | 8 53 | 25 15 | 1 51 | 16 59 | 0 35 | 9 24 | 1 26 | 10 50 | 1 2 | 18 5 | 0 39 | 16 13 | 2 17 | 21 14 | 0 7 | 17 35 | 1 41 | 8 53 | 11 30 | 22 37 | 22 46 | 1 32 | 11 6 | 1 9 |
| S 19 | 8 31 | 24 4 | 0 45 | 17 0 | 0 23 | 8 56 | 1 26 | 10 32 | 1 2 | 18 7 | 0 39 | 16 13 | 2 17 | 21 14 | 0 7 | 17 36 | 1 41 | 8 54 | 11 30 | 22 37 | 22 46 | 1 35 | 11 7 | 1 9 |
| S 20 | 8 9 | 21 43 | 0s22 | 16 59 | 0 12 | 8 27 | 1 26 | 10 15 | 1 1 | 18 10 | 0 38 | 16 13 | 2 17 | 21 14 | 0 7 | 17 36 | 1 41 | 8 54 | 11 30 | 22 37 | 22 47 | 1 38 | 11 8 | 1 9 |
| M21 | 7 46 | 18 24 | 1 26 | 16 57 | 0 0 | 7 58 | 1 26 | 9 57 | 1 1 | 18 12 | 0 38 | 16 13 | 2 17 | 21 14 | 0 7 | 17 36 | 1 41 | 8 54 | 11 30 | 22 37 | 22 47 | 1 41 | 11 9 | 1 9 |
| T 22 | 7 23 | 14 22 | 2 26 | 16 53 | 0s11 | 7 29 | 1 25 | 9 39 | 1 1 | 18 14 | 0 38 | 16 13 | 2 17 | 21 14 | 0 7 | 17 36 | 1 40 | 8 55 | 11 29 | 22 37 | 22 47 | 1 44 | 11 10 | 1 9 |
| W23 | 7 0 | 9 48 | 3 19 | 16 48 | 0 21 | 7 0 | 1 25 | 9 21 | 1 1 | 18 16 | 0 38 | 16 13 | 2 18 | 21 14 | 0 7 | 17 37 | 1 40 | 8 55 | 11 29 | 22 38 | 22 48 | 1 47 | 11 11 | 1 9 |
| T 24 | 6 37 | 4 55 | 4 2 | 16 41 | 0 31 | 6 30 | 1 25 | 9 3 | 1 0 | 18 18 | 0 38 | 16 12 | 2 18 | 21 14 | 0 7 | 17 37 | 1 40 | 8 55 | 11 29 | 22 39 | 22 48 | 1 50 | 11 12 | 1 9 |
| F 25 | 6 14 | 0s 8 | 4 35 | 16 33 | 0 41 | 6 0 | 1 24 | 8 45 | 1 0 | 18 21 | 0 37 | 16 12 | 2 18 | 21 14 | 0 7 | 17 37 | 1 40 | 8 56 | 11 28 | 22 40 | 22 48 | 1 53 | 11 13 | 1 9 |
| S 26 | 5 51 | 5 9 | 4 55 | 16 23 | 0 50 | 5 31 | 1 24 | 8 27 | 1 0 | 18 23 | 0 37 | 16 12 | 2 18 | 21 14 | 0 7 | 17 38 | 1 40 | 8 56 | 11 28 | 22 41 | 22 49 | 1 56 | 11 14 | 1 9 |
| S 27 | 5 28 | 9 59 | 5 3 | 16 11 | 0 59 | 5 1 | 1 23 | 8 9 | 1 0 | 18 25 | 0 37 | 16 11 | 2 18 | 21 14 | 0 7 | 17 38 | 1 40 | 8 56 | 11 28 | 22 43 | 22 49 | 1 59 | 11 15 | 1 9 |
| M28 | 5 5 | 14 28 | 4 58 | 15 59 | 1 8 | 4 30 | 1 22 | 7 51 | 0 59 | 18 28 | 0 37 | 16 11 | 2 18 | 21 14 | 0 7 | 17 38 | 1 40 | 8 57 | 11 28 | 22 44 | 22 49 | 2 2 | 11 16 | 1 9 |
| T 29 | 4s41 | 18s25 | 4s39 | 15s44 | 1s16 | 4s 0 | 1s22 | 7s32 | 0s59 | 18n30 | 0s37 | 16s11 | 2n19 | 21s14 | 0n 7 | 17n38 | 1s40 | 8n57 | 11s27 | 22s45 | 22s50 | 2s 5 | 11n17 | 1s 9 |

Julian Day Number = 2230977.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°18'57, Lahiri = 15°25'58 Julian Calendar 1 Feb. 1396 == Greg. Calendar 9 Feb. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## MARCH 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 9 10 | 19♓10'21 | 19♏33 | 22♒11 | 24♓20 | 13♓58 | 25♉12 | 22°R19 | 5♐49 | 25♉46 | 29♉43 | 14°R11 | 13♑28 | 24♍ 9 | 2♉31 | W 1 |
| T 2 | 11 13 6 | 20° 9'57 | 1♐52 | 23°23 | 25°35 | 14°44 | 25°21 | 22♏18 | 5°R49 | 25°48 | 29°44 | 14♑ 7 | 13°25 | 24°16 | 2°34 | T 2 |
| F 3 | 11 17 3 | 21° 9'31 | 14°25 | 24°38 | 26°49 | 15°31 | 25°31 | 22°17 | 5°49 | 25°49 | 29°45 | 14° 5 | 13°22 | 24°22 | 2°37 | F 3 |
| S 4 | 11 21 0 | 22° 9'04 | 27°19 | 25°55 | 28° 4 | 16°18 | 25°40 | 22°16 | 5°49 | 25°50 | 29°45 | 14°D 5 | 13°19 | 24°29 | 2°40 | S 4 |
| S 5 | 11 24 56 | 23° 8'35 | 10♑36 | 27°13 | 29°19 | 17° 5 | 25°50 | 22°15 | 5°49 | 25°51 | 29°46 | 14°R 5 | 13°15 | 24°36 | 2°44 | S 5 |
| M 6 | 11 28 53 | 24° 8'04 | 24°19 | 28°33 | 0♈33 | 17°52 | 25°59 | 22°14 | 5°49 | 25°52 | 29°46 | 14° 5 | 13°12 | 24°42 | 2°47 | M 6 |
| T 7 | 11 32 49 | 25° 7'31 | 8♒31 | 29°55 | 1°48 | 18°39 | 26° 9 | 22°13 | 5°48 | 25°54 | 29°47 | 14° 3 | 13° 9 | 24°49 | 2°51 | T 7 |
| W 8 | 11 36 46 | 26° 6'56 | 23°11 | 1♓19 | 3° 2 | 19°25 | 26°19 | 22°11 | 5°48 | 25°55 | 29°48 | 13°58 | 13° 6 | 24°56 | 2°54 | W 8 |
| T 9 | 11 40 42 | 27° 6'20 | 8♓13 | 2°44 | 4°17 | 20°12 | 26°29 | 22°10 | 5°48 | 25°56 | 29°49 | 13°51 | 13° 3 | 25° 3 | 2°57 | T 9 |
| F 10 | 11 44 39 | 28° 5'41 | 23°29 | 4°10 | 5°31 | 20°59 | 26°39 | 22° 8 | 5°47 | 25°58 | 29°49 | 13°42 | 12°59 | 25° 9 | 3° 1 | F 10 |
| S 11 | 11 48 35 | 29° 5'00 | 8♈50 | 5°39 | 6°46 | 21°45 | 26°50 | 22° 6 | 5°47 | 25°59 | 29°50 | 13°31 | 12°56 | 25°16 | 3° 5 | S 11 |
| S 12 | 11 52 32 | 0♈ 4'18 | 24° 2 | 7° 8 | 8° 0 | 22°32 | 27° 0 | 22° 4 | 5°46 | 26° 0 | 29°51 | 13°20 | 12°53 | 25°23 | 3° 8 | S 12 |
| M13 | 11 56 29 | 1° 3'33 | 8♉56 | 8°40 | 9°14 | 23°19 | 27°10 | 22° 2 | 5°46 | 26° 2 | 29°51 | 13°11 | 12°50 | 25°29 | 3°12 | M13 |
| T 14 | 12 0 25 | 2° 2'46 | 23°24 | 10°12 | 10°29 | 24° 5 | 27°21 | 22° 0 | 5°45 | 26° 3 | 29°52 | 13° 4 | 12°47 | 25°36 | 3°15 | T 14 |
| W15 | 12 4 22 | 3° 1'56 | 7♊23 | 11°46 | 11°43 | 24°52 | 27°32 | 21°58 | 5°44 | 26° 5 | 29°53 | 12°59 | 12°44 | 25°43 | 3°19 | W15 |
| T 16 | 12 8 18 | 4° 1'04 | 20°52 | 13°22 | 12°58 | 25°38 | 27°42 | 21°56 | 5°44 | 26° 6 | 29°54 | 12°57 | 12°40 | 25°50 | 3°23 | T 16 |
| F 17 | 12 12 15 | 5° 0'10 | 3♋54 | 14°59 | 14°12 | 26°25 | 27°53 | 21°54 | 5°43 | 26° 8 | 29°55 | 12°D57 | 12°37 | 25°56 | 3°26 | F 17 |
| S 18 | 12 16 11 | 5°59'14 | 16°33 | 16°37 | 15°26 | 27°11 | 28° 4 | 21°52 | 5°42 | 26° 9 | 29°56 | 12°R57 | 12°34 | 26° 3 | 3°30 | S 18 |
| S 19 | 12 20 8 | 6°58'15 | 28°54 | 18°17 | 16°41 | 27°57 | 28°15 | 21°49 | 5°41 | 26°11 | 29°56 | 12°56 | 12°31 | 26°10 | 3°34 | S 19 |
| M20 | 12 24 4 | 7°57'14 | 11♌ 1 | 19°59 | 17°55 | 28°44 | 28°26 | 21°47 | 5°40 | 26°13 | 29°57 | 12°53 | 12°28 | 26°16 | 3°38 | M20 |
| T 21 | 12 28 1 | 8°56'11 | 23° 0 | 21°42 | 19° 9 | 29°30 | 28°38 | 21°44 | 5°40 | 26°14 | 29°58 | 12°48 | 12°25 | 26°23 | 3°42 | T 21 |
| W22 | 12 31 58 | 9°55'05 | 4♍53 | 23°26 | 20°23 | 0♈16 | 28°49 | 21°41 | 5°39 | 26°16 | 29°59 | 12°40 | 12°21 | 26°30 | 3°45 | W22 |
| T 23 | 12 35 54 | 10°53'57 | 16°44 | 25°12 | 21°37 | 1° 2 | 29° 0 | 21°38 | 5°38 | 26°18 | 0♊ 0 | 12°30 | 12°18 | 26°37 | 3°49 | T 23 |
| F 24 | 12 39 51 | 11°52'47 | 28°36 | 26°59 | 22°52 | 1°49 | 29°12 | 21°36 | 5°36 | 26°19 | 0° 1 | 12°17 | 12°15 | 26°43 | 3°53 | F 24 |
| S 25 | 12 43 47 | 12°51'35 | 10♎29 | 28°48 | 24° 6 | 2°35 | 29°23 | 21°33 | 5°35 | 26°21 | 0° 2 | 12° 2 | 12°12 | 26°50 | 3°57 | S 25 |
| S 26 | 12 47 44 | 13°50'21 | 22°27 | 0♈39 | 25°20 | 3°21 | 29°35 | 21°30 | 5°34 | 26°23 | 0° 3 | 11°48 | 12° 9 | 26°57 | 4° 1 | S 26 |
| M27 | 12 51 40 | 14°49'05 | 4♏29 | 2°31 | 26°34 | 4° 7 | 29°47 | 21°27 | 5°33 | 26°25 | 0° 4 | 11°35 | 12° 5 | 27° 4 | 4° 5 | M27 |
| T 28 | 12 55 37 | 15°47'47 | 16°37 | 4°24 | 27°48 | 4°53 | 29°58 | 21°24 | 5°32 | 26°26 | 0° 5 | 11°24 | 12° 2 | 27°10 | 4° 9 | T 28 |
| W29 | 12 59 33 | 16°46'27 | 28°52 | 6°19 | 29° 2 | 5°39 | 0♊10 | 21°20 | 5°30 | 26°28 | 0° 6 | 11°15 | 11°59 | 27°17 | 4°13 | W29 |
| T 30 | 13 3 30 | 17°45'05 | 11♐18 | 8°15 | 0♉16 | 6°25 | 0°22 | 21°17 | 5°29 | 26°30 | 0° 7 | 11°10 | 11°56 | 27°24 | 4°17 | T 30 |
| F 31 | 13 7 27 | 18♈43'42 | 23♐56 | 10♈13 | 1♉30 | 7♈11 | 0♊34 | 21♏14 | 5♐28 | 26♉32 | 0♊ 8 | 11♑ 7 | 11♑53 | 27♍30 | 4♉21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s18 | 21s39 | 4s 8 | 15s28 | 1s23 | 3s30 | 1s21 | 7s14 | 0s59 | 18n32 | 0s36 | 16s10 | 2n19 | 21s14 | 0n 7 | 17n39 | 1s40 | 8n57 | 11s27 | 22s46 | 22s50 | 2s 8 | 11n18 | 1s 9 |
| T 2 | 3 54 | 23 57 | 3 25 | 15 11 | 1 30 | 2 59 | 1 20 | 6 56 | 0 58 | 18 35 | 0 36 | 16 10 | 2 19 | 21 14 | 0 7 | 17 39 | 1 40 | 8 58 | 11 27 | 22 46 | 22 50 | 2 10 | 11 19 | 1 9 |
| F 3 | 3 31 | 25 6 | 2 31 | 14 53 | 1 37 | 2 29 | 1 19 | 6 37 | 0 58 | 18 37 | 0 36 | 16 10 | 2 19 | 21 14 | 0 7 | 17 39 | 1 40 | 8 58 | 11 27 | 22 46 | 22 51 | 2 13 | 11 20 | 1 9 |
| S 4 | 3 7 | 24 57 | 1 28 | 14 32 | 1 43 | 1 58 | 1 18 | 6 19 | 0 58 | 18 40 | 0 36 | 16 9 | 2 19 | 21 14 | 0 7 | 17 40 | 1 40 | 8 59 | 11 26 | 22 46 | 22 51 | 2 16 | 11 21 | 1 9 |
| S 5 | 2 44 | 23 24 | 0 19 | 14 11 | 1 49 | 1 27 | 1 17 | 6 0 | 0 57 | 18 42 | 0 36 | 16 9 | 2 19 | 21 14 | 0 7 | 17 40 | 1 40 | 8 59 | 11 26 | 22 46 | 22 51 | 2 19 | 11 23 | 1 9 |
| M 6 | 2 20 | 20 26 | 0n54 | 13 48 | 1 54 | 0 57 | 1 16 | 5 41 | 0 57 | 18 45 | 0 35 | 16 8 | 2 20 | 21 14 | 0 7 | 17 40 | 1 40 | 8 59 | 11 26 | 22 46 | 22 52 | 2 22 | 11 24 | 1 9 |
| T 7 | 1 57 | 16 10 | 2 6 | 13 24 | 1 59 | 0 26 | 1 15 | 5 23 | 0 57 | 18 47 | 0 35 | 16 8 | 2 20 | 21 14 | 0 7 | 17 41 | 1 40 | 9 0 | 11 26 | 22 46 | 22 52 | 2 25 | 11 25 | 1 9 |
| W 8 | 1 33 | 10 49 | 3 11 | 12 58 | 2 4 | 0n 5 | 1 14 | 5 4 | 0 56 | 18 50 | 0 35 | 16 7 | 2 20 | 21 14 | 0 7 | 17 41 | 1 40 | 9 0 | 11 25 | 22 47 | 22 52 | 2 28 | 11 26 | 1 9 |
| T 9 | 1 9 | 4 43 | 4 5 | 12 31 | 2 8 | 0 36 | 1 13 | 4 45 | 0 56 | 18 52 | 0 35 | 16 7 | 2 20 | 21 14 | 0 7 | 17 41 | 1 40 | 9 0 | 11 25 | 22 48 | 22 53 | 2 31 | 11 27 | 1 9 |
| F 10 | 0 46 | 1n44 | 4 43 | 12 3 | 2 11 | 1 7 | 1 11 | 4 26 | 0 56 | 18 55 | 0 35 | 16 6 | 2 20 | 21 14 | 0 7 | 17 42 | 1 40 | 9 1 | 11 25 | 22 49 | 22 53 | 2 34 | 11 28 | 1 9 |
| S 11 | 0 22 | 8 6 | 5 0 | 11 33 | 2 14 | 1 37 | 1 10 | 4 8 | 0 55 | 18 57 | 0 34 | 16 5 | 2 21 | 21 14 | 0 7 | 17 42 | 1 39 | 9 1 | 11 25 | 22 50 | 22 53 | 2 37 | 11 29 | 1 9 |
| S 12 | 0n 2 | 13 56 | 4 56 | 11 2 | 2 17 | 2 8 | 1 9 | 3 49 | 0 55 | 19 0 | 0 34 | 16 5 | 2 21 | 21 14 | 0 7 | 17 43 | 1 39 | 9 2 | 11 24 | 22 51 | 22 54 | 2 40 | 11 31 | 1 9 |
| M13 | 0 25 | 18 48 | 4 32 | 10 30 | 2 19 | 2 39 | 1 7 | 3 30 | 0 55 | 19 2 | 0 34 | 16 4 | 2 21 | 21 14 | 0 7 | 17 43 | 1 39 | 9 2 | 11 24 | 22 52 | 22 54 | 2 43 | 11 32 | 1 10 |
| T 14 | 0 49 | 22 24 | 3 50 | 9 56 | 2 21 | 3 9 | 1 6 | 3 11 | 0 54 | 19 5 | 0 34 | 16 4 | 2 21 | 21 14 | 0 7 | 17 43 | 1 39 | 9 2 | 11 24 | 22 52 | 22 54 | 2 45 | 11 33 | 1 10 |
| W15 | 1 13 | 24 31 | 2 56 | 9 22 | 2 22 | 3 40 | 1 4 | 2 52 | 0 54 | 19 8 | 0 34 | 16 3 | 2 21 | 21 14 | 0 7 | 17 44 | 1 39 | 9 3 | 11 24 | 22 53 | 22 54 | 2 48 | 11 34 | 1 10 |
| T 16 | 1 36 | 25 6 | 1 54 | 8 45 | 2 23 | 4 11 | 1 2 | 2 34 | 0 54 | 19 10 | 0 34 | 16 2 | 2 21 | 21 13 | 0 7 | 17 44 | 1 39 | 9 3 | 11 23 | 22 53 | 22 55 | 2 51 | 11 35 | 1 10 |
| F 17 | 2 0 | 24 15 | 0 48 | 8 8 | 2 23 | 4 41 | 1 1 | 2 15 | 0 53 | 19 13 | 0 33 | 16 1 | 2 21 | 21 13 | 0 7 | 17 45 | 1 39 | 9 4 | 11 23 | 22 53 | 22 55 | 2 54 | 11 37 | 1 10 |
| S 18 | 2 23 | 22 10 | 0s19 | 7 29 | 2 23 | 5 11 | 0 59 | 1 56 | 0 53 | 19 15 | 0 33 | 16 1 | 2 22 | 21 13 | 0 7 | 17 45 | 1 39 | 9 4 | 11 23 | 22 53 | 22 55 | 2 57 | 11 38 | 1 10 |
| S 19 | 2 47 | 19 5 | 1 23 | 6 50 | 2 22 | 5 42 | 0 57 | 1 37 | 0 52 | 19 18 | 0 33 | 16 0 | 2 22 | 21 13 | 0 7 | 17 45 | 1 39 | 9 4 | 11 23 | 22 53 | 22 56 | 3 0 | 11 39 | 1 10 |
| M20 | 3 10 | 15 14 | 2 23 | 6 9 | 2 21 | 6 12 | 0 55 | 1 18 | 0 52 | 19 21 | 0 33 | 15 59 | 2 22 | 21 13 | 0 7 | 17 46 | 1 39 | 9 5 | 11 22 | 22 53 | 22 56 | 3 3 | 11 40 | 1 10 |
| T 21 | 3 33 | 10 50 | 3 15 | 5 26 | 2 19 | 6 42 | 0 54 | 0 59 | 0 52 | 19 23 | 0 33 | 15 58 | 2 22 | 21 13 | 0 7 | 17 46 | 1 39 | 9 5 | 11 22 | 22 54 | 22 56 | 3 6 | 11 42 | 1 10 |
| W22 | 3 56 | 6 4 | 3 58 | 4 43 | 2 17 | 7 12 | 0 52 | 0 40 | 0 51 | 19 26 | 0 33 | 15 58 | 2 22 | 21 13 | 0 7 | 17 47 | 1 39 | 9 6 | 11 22 | 22 55 | 22 57 | 3 9 | 11 43 | 1 10 |
| T 23 | 4 20 | 1 6 | 4 30 | 3 58 | 2 14 | 7 41 | 0 50 | 0 22 | 0 51 | 19 29 | 0 32 | 15 57 | 2 22 | 21 12 | 0 7 | 17 47 | 1 39 | 9 6 | 11 22 | 22 56 | 22 57 | 3 12 | 11 44 | 1 10 |
| F 24 | 4 43 | 3s53 | 4 51 | 3 12 | 2 11 | 8 11 | 0 48 | 0 3 | 0 50 | 19 31 | 0 32 | 15 56 | 2 22 | 21 12 | 0 7 | 17 48 | 1 39 | 9 6 | 11 22 | 22 57 | 22 57 | 3 14 | 11 45 | 1 10 |
| S 25 | 5 6 | 8 45 | 4 59 | 2 26 | 2 8 | 8 40 | 0 46 | 0n16 | 0 50 | 19 34 | 0 32 | 15 55 | 2 22 | 21 12 | 0 7 | 17 48 | 1 39 | 9 7 | 11 21 | 22 58 | 22 57 | 3 17 | 11 47 | 1 10 |
| S 26 | 5 29 | 13 18 | 4 54 | 1 38 | 2 3 | 9 9 | 0 44 | 0 35 | 0 50 | 19 37 | 0 32 | 15 54 | 2 23 | 21 12 | 0 6 | 17 48 | 1 39 | 9 7 | 11 21 | 23 0 | 22 58 | 3 20 | 11 48 | 1 10 |
| M27 | 5 51 | 17 23 | 4 36 | 0 49 | 1 59 | 9 38 | 0 42 | 0 53 | 0 49 | 19 39 | 0 32 | 15 53 | 2 23 | 21 12 | 0 6 | 17 49 | 1 39 | 9 8 | 11 21 | 23 1 | 22 58 | 3 23 | 11 49 | 1 10 |
| T 28 | 6 14 | 20 46 | 4 5 | 0n 1 | 1 53 | 10 7 | 0 39 | 1 12 | 0 49 | 19 42 | 0 32 | 15 52 | 2 23 | 21 11 | 0 6 | 17 49 | 1 39 | 9 8 | 11 21 | 23 2 | 22 58 | 3 26 | 11 50 | 1 10 |
| W29 | 6 37 | 23 16 | 3 23 | 0 52 | 1 47 | 10 35 | 0 37 | 1 31 | 0 48 | 19 45 | 0 31 | 15 51 | 2 23 | 21 11 | 0 6 | 17 50 | 1 39 | 9 8 | 11 21 | 23 2 | 22 59 | 3 29 | 11 52 | 1 10 |
| T 30 | 6 59 | 24 41 | 2 30 | 1 44 | 1 41 | 11 3 | 0 35 | 1 49 | 0 48 | 19 47 | 0 31 | 15 50 | 2 23 | 21 11 | 0 6 | 17 50 | 1 39 | 9 9 | 11 20 | 23 3 | 22 59 | 3 32 | 11 53 | 1 10 |
| F 31 | 7n22 | 24s52 | 1s29 | 2n37 | 1s34 | 11n31 | 0s33 | 2n 8 | 0s47 | 19n50 | 0s31 | 15s49 | 2n23 | 21s11 | 0n 6 | 17n51 | 1s39 | 9n 9 | 11s20 | 23s 3 | 22s59 | 3s35 | 11n54 | 1s11 |

Julian Day Number = 2231006.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'01, Lahiri = 15°26'02 Julian Calendar 1 March 1396 == Greg. Calendar 9 March 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## APRIL 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 11 23 | 19♈42'17 | 6♉50 | 12♈13 | 2♉44 | 7♈56 | 0♊46 | 21°R10 | 5°R26 | 26♉34 | 0♊ 9 | 11°D 6 | 11♉50 | 27♍37 | 4♉25 | S 1 |
| S 2 | 13 15 20 | 20°40'51 | 20° 3 | 14°14 | 3°58 | 8°42 | 0°58 | 21♏ 7 | 5♐25 | 26°36 | 0°10 | 11°R 6 | 11°46 | 27°44 | 4°29 | S 2 |
| M 3 | 13 19 16 | 21°39'22 | 3♒39 | 16°16 | 5°12 | 9°28 | 1°11 | 21° 3 | 5°23 | 26°37 | 0°11 | 11♉ 6 | 11°43 | 27°51 | 4°33 | M 3 |
| T 4 | 13 23 13 | 22°37'52 | 17°40 | 18°20 | 6°26 | 10°14 | 1°23 | 21° 0 | 5°22 | 26°39 | 0°13 | 11° 4 | 11°40 | 27°57 | 4°37 | T 4 |
| W 5 | 13 27 9 | 23°36'21 | 2♓ 5 | 20°25 | 7°39 | 10°59 | 1°35 | 20°56 | 5°20 | 26°41 | 0°14 | 11° 0 | 11°37 | 28° 4 | 4°41 | W 5 |
| T 6 | 13 31 6 | 24°34'48 | 16°53 | 22°31 | 8°53 | 11°45 | 1°48 | 20°52 | 5°18 | 26°43 | 0°15 | 10°53 | 11°34 | 28°11 | 4°45 | T 6 |
| F 7 | 13 35 2 | 25°33'13 | 1♈57 | 24°38 | 10° 7 | 12°31 | 2° 0 | 20°48 | 5°17 | 26°45 | 0°16 | 10°44 | 11°31 | 28°17 | 4°49 | F 7 |
| S 8 | 13 38 59 | 26°31'36 | 17° 8 | 26°45 | 11°21 | 13°16 | 2°13 | 20°45 | 5°15 | 26°47 | 0°17 | 10°33 | 11°27 | 28°24 | 4°53 | S 8 |
| S 9 | 13 42 55 | 27°29'57 | 2♉15 | 28°54 | 12°35 | 14° 2 | 2°25 | 20°41 | 5°13 | 26°49 | 0°18 | 10°23 | 11°24 | 28°31 | 4°57 | S 9 |
| M10 | 13 46 52 | 28°28'17 | 17° 9 | 1♉ 3 | 13°49 | 14°47 | 2°38 | 20°37 | 5°11 | 26°51 | 0°19 | 10°13 | 11°21 | 28°38 | 5° 1 | M10 |
| T 11 | 13 50 49 | 29°26'35 | 1♊42 | 3°12 | 15° 2 | 15°32 | 2°50 | 20°33 | 5°10 | 26°53 | 0°21 | 10° 6 | 11°18 | 28°44 | 5° 5 | T 11 |
| W12 | 13 54 45 | 0♉24'51 | 15°46 | 5°21 | 16°16 | 16°18 | 3° 3 | 20°29 | 5° 8 | 26°55 | 0°22 | 10° 2 | 11°15 | 28°51 | 5°10 | W12 |
| T 13 | 13 58 42 | 1°23'05 | 29°22 | 7°29 | 17°30 | 17° 3 | 3°16 | 20°25 | 5° 6 | 26°57 | 0°23 | 9°59 | 11°11 | 28°58 | 5°14 | T 13 |
| F 14 | 14 2 38 | 2°21'17 | 12♋30 | 9°37 | 18°43 | 17°48 | 3°29 | 20°21 | 5° 4 | 26°59 | 0°24 | 9°D59 | 11° 8 | 29° 4 | 5°18 | F 14 |
| S 15 | 14 6 35 | 3°19'27 | 25°13 | 11°44 | 19°57 | 18°33 | 3°42 | 20°16 | 5° 2 | 27° 1 | 0°26 | 9°59 | 11° 5 | 29°11 | 5°22 | S 15 |
| S 16 | 14 10 31 | 4°17'35 | 7♌36 | 13°50 | 21°10 | 19°19 | 3°55 | 20°12 | 5° 0 | 27° 4 | 0°27 | 10°R 0 | 11° 2 | 29°18 | 5°26 | S 16 |
| M17 | 14 14 28 | 5°15'41 | 19°44 | 15°54 | 22°24 | 20° 4 | 4° 8 | 20° 8 | 4°58 | 27° 6 | 0°28 | 9°58 | 10°59 | 29°25 | 5°30 | M17 |
| T 18 | 14 18 24 | 6°13'45 | 1♍42 | 17°56 | 23°38 | 20°49 | 4°21 | 20° 4 | 4°56 | 27° 8 | 0°29 | 9°55 | 10°56 | 29°31 | 5°34 | T 18 |
| W19 | 14 22 21 | 7°11'47 | 13°35 | 19°56 | 24°51 | 21°34 | 4°34 | 20° 0 | 4°54 | 27°10 | 0°31 | 9°50 | 10°52 | 29°38 | 5°38 | W19 |
| T 20 | 14 26 18 | 8° 9'47 | 25°26 | 21°54 | 26° 5 | 22°19 | 4°47 | 19°55 | 4°52 | 27°12 | 0°32 | 9°42 | 10°49 | 29°45 | 5°43 | T 20 |
| F 21 | 14 30 14 | 9° 7'45 | 7♎18 | 23°49 | 27°18 | 23° 4 | 5° 0 | 19°51 | 4°50 | 27°14 | 0°33 | 9°32 | 10°46 | 29°52 | 5°47 | F 21 |
| S 22 | 14 34 11 | 10° 5'41 | 19°16 | 25°42 | 28°31 | 23°48 | 5°13 | 19°47 | 4°47 | 27°16 | 0°34 | 9°21 | 10°43 | 29°58 | 5°51 | S 22 |
| S 23 | 14 38 7 | 11° 3'36 | 1♏19 | 27°31 | 29°45 | 24°33 | 5°26 | 19°42 | 4°45 | 27°19 | 0°36 | 9°10 | 10°40 | 0♎ 5 | 5°55 | S 23 |
| M24 | 14 42 4 | 12° 1'29 | 13°31 | 29°18 | 0♊58 | 25°18 | 5°40 | 19°38 | 4°43 | 27°21 | 0°37 | 9° 0 | 10°36 | 0°12 | 5°59 | M24 |
| T 25 | 14 46 0 | 12°59'21 | 25°50 | 1♊ 1 | 2°12 | 26° 3 | 5°53 | 19°33 | 4°41 | 27°23 | 0°38 | 8°51 | 10°33 | 0°18 | 6° 3 | T 25 |
| W26 | 14 49 57 | 13°57'12 | 8♐20 | 2°41 | 3°25 | 26°47 | 6° 6 | 19°29 | 4°39 | 27°25 | 0°40 | 8°45 | 10°30 | 0°25 | 6° 7 | W26 |
| T 27 | 14 53 53 | 14°55'01 | 21° 0 | 4°18 | 4°38 | 27°32 | 6°20 | 19°24 | 4°36 | 27°27 | 0°41 | 8°41 | 10°27 | 0°32 | 6°11 | T 27 |
| F 28 | 14 57 50 | 15°52'48 | 3♑51 | 5°51 | 5°51 | 28°16 | 6°33 | 19°20 | 4°34 | 27°30 | 0°42 | 8°D40 | 10°24 | 0°39 | 6°15 | F 28 |
| S 29 | 15 1 47 | 16°50'35 | 16°56 | 7°21 | 7° 5 | 29° 1 | 6°47 | 19°16 | 4°32 | 27°32 | 0°44 | 8°40 | 10°21 | 0°45 | 6°20 | S 29 |
| S 30 | 15 5 43 | 17♉48'20 | 0♒16 | 8♊47 | 8♊18 | 29♈45 | 7♊ 0 | 19♏11 | 4♐29 | 27♉34 | 0♊45 | 8♑41 | 10♑17 | 0♎52 | 6♉24 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n44 | 23 s43 | 0 s23 | 3n30 | 1 s27 | 11n59 | 0 s31 | 2n27 | 0 s47 | 19n52 | 0 s31 | 15 s48 | 2n23 | 21 s10 | 0n 6 | 17n51 | 1 s39 | 9n10 | 11 s20 | 23 s 3 | 23 s59 | 3 s37 | 11n56 | 1 s11 |
| S 2 | 8 6 | 21 14 | 0n47 | 4 25 | 1 19 | 12 26 | 0 28 | 2 45 | 0 46 | 19 55 | 0 31 | 15 47 | 2 23 | 21 10 | 0 6 | 17 52 | 1 38 | 9 10 | 11 20 | 23 3 | 23 0 | 3 40 | 11 57 | 1 11 |
| M 3 | 8 28 | 17 31 | 1 56 | 5 19 | 1 11 | 12 53 | 0 26 | 3 4 | 0 46 | 19 58 | 0 31 | 15 46 | 2 23 | 21 10 | 0 6 | 17 52 | 1 38 | 9 10 | 11 20 | 23 3 | 23 0 | 3 43 | 11 58 | 1 11 |
| T 4 | 8 50 | 12 43 | 3 0 | 6 15 | 1 2 | 13 20 | 0 24 | 3 22 | 0 45 | 20 0 | 0 30 | 15 45 | 2 24 | 21 10 | 0 6 | 17 53 | 1 38 | 9 11 | 11 19 | 23 3 | 23 0 | 3 46 | 11 59 | 1 11 |
| W 5 | 9 12 | 7 6 | 3 55 | 7 10 | 0 53 | 13 47 | 0 21 | 3 40 | 0 45 | 20 3 | 0 30 | 15 44 | 2 24 | 21 9 | 0 6 | 17 53 | 1 38 | 9 11 | 11 19 | 23 4 | 23 1 | 3 49 | 12 1 | 1 11 |
| T 6 | 9 33 | 0 58 | 4 35 | 8 6 | 0 44 | 14 13 | 0 19 | 3 59 | 0 44 | 20 6 | 0 30 | 15 43 | 2 24 | 21 9 | 0 6 | 17 54 | 1 38 | 9 12 | 11 19 | 23 4 | 23 1 | 3 52 | 12 2 | 1 11 |
| F 7 | 9 55 | 5n19 | 4 58 | 9 2 | 0 34 | 14 39 | 0 16 | 4 17 | 0 44 | 20 8 | 0 30 | 15 42 | 2 24 | 21 9 | 0 6 | 17 54 | 1 38 | 9 12 | 11 19 | 23 5 | 23 1 | 3 55 | 12 3 | 1 11 |
| S 8 | 10 16 | 11 21 | 4 59 | 9 58 | 0 24 | 15 4 | 0 14 | 4 35 | 0 43 | 20 11 | 0 30 | 15 41 | 2 24 | 21 8 | 0 6 | 17 55 | 1 38 | 9 12 | 11 19 | 23 6 | 23 1 | 3 58 | 12 5 | 1 11 |
| S 9 | 10 37 | 16 40 | 4 40 | 10 54 | 0 14 | 15 29 | 0 11 | 4 53 | 0 43 | 20 14 | 0 30 | 15 40 | 2 24 | 21 8 | 0 6 | 17 55 | 1 38 | 9 13 | 11 18 | 23 7 | 23 2 | 4 0 | 12 6 | 1 11 |
| M10 | 10 58 | 20 52 | 4 2 | 11 49 | 0 3 | 15 54 | 0 9 | 5 12 | 0 42 | 20 16 | 0 30 | 15 39 | 2 24 | 21 8 | 0 6 | 17 56 | 1 38 | 9 13 | 11 18 | 23 7 | 23 2 | 4 3 | 12 7 | 1 11 |
| T 11 | 11 19 | 23 38 | 3 8 | 12 44 | 0n 7 | 16 18 | 0 6 | 5 30 | 0 42 | 20 19 | 0 29 | 15 38 | 2 24 | 21 8 | 0 6 | 17 56 | 1 38 | 9 14 | 11 18 | 23 8 | 23 2 | 4 6 | 12 8 | 1 11 |
| W12 | 11 39 | 24 49 | 2 5 | 13 38 | 0 18 | 16 42 | 0 4 | 5 48 | 0 41 | 20 21 | 0 29 | 15 37 | 2 24 | 21 7 | 0 6 | 17 57 | 1 38 | 9 14 | 11 18 | 23 8 | 23 2 | 4 9 | 12 10 | 1 11 |
| T 13 | 12 0 | 24 27 | 0 56 | 14 30 | 0 29 | 17 5 | 0 1 | 6 5 | 0 41 | 20 24 | 0 29 | 15 36 | 2 24 | 21 7 | 0 6 | 17 57 | 1 38 | 9 14 | 11 18 | 23 8 | 23 3 | 4 12 | 12 11 | 1 11 |
| F 14 | 12 20 | 22 42 | 0 s13 | 15 22 | 0 39 | 17 28 | 0n 1 | 6 23 | 0 40 | 20 27 | 0 29 | 15 35 | 2 24 | 21 7 | 0 6 | 17 58 | 1 38 | 9 15 | 11 18 | 23 8 | 23 3 | 4 15 | 12 12 | 1 12 |
| S 15 | 12 40 | 19 51 | 1 20 | 16 12 | 0 50 | 17 51 | 0 4 | 6 41 | 0 40 | 20 29 | 0 29 | 15 33 | 2 24 | 21 6 | 0 6 | 17 58 | 1 38 | 9 15 | 11 18 | 23 8 | 23 3 | 4 18 | 12 14 | 1 12 |
| S 16 | 13 0 | 16 9 | 2 21 | 17 0 | 1 0 | 18 13 | 0 6 | 6 59 | 0 39 | 20 32 | 0 29 | 15 32 | 2 24 | 21 6 | 0 6 | 17 59 | 1 38 | 9 16 | 11 17 | 23 8 | 23 3 | 4 20 | 12 15 | 1 12 |
| M17 | 13 19 | 11 51 | 3 15 | 17 46 | 1 10 | 18 34 | 0 9 | 7 16 | 0 39 | 20 34 | 0 29 | 15 31 | 2 24 | 21 5 | 0 6 | 17 59 | 1 38 | 9 16 | 11 17 | 23 9 | 23 4 | 4 23 | 12 16 | 1 12 |
| T 18 | 13 38 | 7 11 | 3 59 | 18 30 | 1 20 | 18 55 | 0 11 | 7 34 | 0 38 | 20 37 | 0 29 | 15 30 | 2 24 | 21 5 | 0 6 | 18 0 | 1 38 | 9 16 | 11 17 | 23 9 | 23 4 | 4 26 | 12 18 | 1 12 |
| W19 | 13 58 | 2 17 | 4 33 | 19 12 | 1 29 | 19 16 | 0 14 | 7 51 | 0 38 | 20 39 | 0 28 | 15 29 | 2 24 | 21 5 | 0 6 | 18 0 | 1 38 | 9 17 | 11 17 | 23 9 | 23 4 | 4 29 | 12 19 | 1 12 |
| T 20 | 14 16 | 2 s41 | 4 54 | 19 52 | 1 37 | 19 36 | 0 16 | 8 8 | 0 37 | 20 42 | 0 28 | 15 28 | 2 24 | 21 4 | 0 6 | 18 1 | 1 38 | 9 17 | 11 17 | 23 10 | 23 5 | 4 32 | 12 20 | 1 12 |
| F 21 | 14 35 | 7 33 | 5 3 | 20 29 | 1 45 | 19 56 | 0 19 | 8 26 | 0 37 | 20 44 | 0 28 | 15 26 | 2 24 | 21 4 | 0 6 | 18 1 | 1 38 | 9 17 | 11 17 | 23 10 | 23 5 | 4 35 | 12 21 | 1 12 |
| S 22 | 14 54 | 12 10 | 4 59 | 21 4 | 1 53 | 20 15 | 0 22 | 8 43 | 0 36 | 20 47 | 0 28 | 15 25 | 2 24 | 21 4 | 0 6 | 18 2 | 1 38 | 9 18 | 11 17 | 23 11 | 23 5 | 4 37 | 12 23 | 1 12 |
| S 23 | 15 12 | 16 22 | 4 41 | 21 36 | 1 59 | 20 33 | 0 24 | 9 0 | 0 36 | 20 49 | 0 28 | 15 24 | 2 24 | 21 3 | 0 6 | 18 2 | 1 38 | 9 18 | 11 17 | 23 12 | 23 5 | 4 40 | 12 24 | 1 12 |
| M24 | 15 30 | 19 56 | 4 11 | 22 6 | 2 5 | 20 51 | 0 27 | 9 17 | 0 35 | 20 52 | 0 28 | 15 23 | 2 24 | 21 3 | 0 6 | 18 3 | 1 38 | 9 18 | 11 16 | 23 13 | 23 6 | 4 43 | 12 25 | 1 12 |
| T 25 | 15 47 | 22 39 | 3 28 | 22 34 | 2 11 | 21 9 | 0 29 | 9 33 | 0 34 | 20 54 | 0 28 | 15 22 | 2 24 | 21 2 | 0 6 | 18 3 | 1 38 | 9 19 | 11 16 | 23 13 | 23 6 | 4 46 | 12 27 | 1 12 |
| W26 | 16 5 | 24 19 | 2 35 | 22 58 | 2 15 | 21 25 | 0 32 | 9 50 | 0 34 | 20 57 | 0 28 | 15 21 | 2 24 | 21 2 | 0 6 | 18 4 | 1 38 | 9 19 | 11 16 | 23 14 | 23 6 | 4 49 | 12 28 | 1 13 |
| T 27 | 16 22 | 24 46 | 1 33 | 23 21 | 2 19 | 21 42 | 0 34 | 10 7 | 0 33 | 20 59 | 0 27 | 15 19 | 2 24 | 21 2 | 0 6 | 18 4 | 1 38 | 9 20 | 11 16 | 23 14 | 23 6 | 4 52 | 12 29 | 1 13 |
| F 28 | 16 39 | 23 54 | 0 26 | 23 41 | 2 22 | 21 57 | 0 37 | 10 23 | 0 33 | 21 2 | 0 27 | 15 18 | 2 24 | 21 1 | 0 6 | 18 5 | 1 38 | 9 20 | 11 16 | 23 14 | 23 7 | 4 54 | 12 30 | 1 13 |
| S 29 | 16 55 | 21 42 | 0n44 | 23 58 | 2 24 | 22 12 | 0 39 | 10 40 | 0 32 | 21 4 | 0 27 | 15 17 | 2 24 | 21 1 | 0 6 | 18 5 | 1 38 | 9 20 | 11 16 | 23 14 | 23 7 | 4 57 | 12 32 | 1 13 |
| S 30 | 17n12 | 18 s19 | 1n54 | 24n13 | 2n25 | 22n27 | 0n42 | 10n56 | 0 s31 | 21n 6 | 0 s27 | 15 s16 | 2n24 | 21 s 0 | 0n 6 | 18n 6 | 1 s38 | 9n21 | 11 s16 | 23 s14 | 23 s 7 | 5 s 0 | 12n33 | 1 s13 |

Julian Day Number = 2231037.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'06, Lahiri = 15°26'06 Julian Calendar 1 Apr. 1396 == Greg. Calendar 9 Apr. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## MAY 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 9 40 | 18♉46'04 | 13♒53 | 10♊10 | 9♊31 | 0♉29 | 7♊14 | 19°R 7 | 4°R27 | 27♉36 | 0♊46 | 8°R42 | 10♑14 | 0♎59 | 6♉28 | M 1 |
| T 2 | 15 13 36 | 19°43'47 | 27°48 | 11°29 | 10°44 | 1°14 | 7°27 | 19♏ 2 | 4♐25 | 27°38 | 0°48 | 8♑42 | 10°11 | 1° 5 | 6°32 | T 2 |
| W 3 | 15 17 33 | 20°41'29 | 12♓ 2 | 12°44 | 11°57 | 1°58 | 7°41 | 18°58 | 4°22 | 27°41 | 0°49 | 8°40 | 10° 8 | 1°12 | 6°36 | W 3 |
| T 4 | 15 21 29 | 21°39'10 | 26°32 | 13°56 | 13°10 | 2°42 | 7°54 | 18°53 | 4°20 | 27°43 | 0°50 | 8°36 | 10° 5 | 1°19 | 6°40 | T 4 |
| F 5 | 15 25 26 | 22°36'50 | 11♈14 | 15° 3 | 14°24 | 3°26 | 8° 8 | 18°49 | 4°18 | 27°45 | 0°52 | 8°30 | 10° 2 | 1°26 | 6°44 | F 5 |
| S 6 | 15 29 22 | 23°34'29 | 26° 3 | 16° 7 | 15°37 | 4°11 | 8°22 | 18°44 | 4°15 | 27°47 | 0°53 | 8°24 | 9°58 | 1°32 | 6°48 | S 6 |
| S 7 | 15 33 19 | 24°32'06 | 10♉51 | 17° 7 | 16°50 | 4°55 | 8°35 | 18°40 | 4°13 | 27°50 | 0°54 | 8°17 | 9°55 | 1°39 | 6°52 | S 7 |
| M 8 | 15 37 16 | 25°29'43 | 25°29 | 18° 3 | 18° 3 | 5°39 | 8°49 | 18°35 | 4°10 | 27°52 | 0°56 | 8°11 | 9°52 | 1°46 | 6°56 | M 8 |
| T 9 | 15 41 12 | 26°27'19 | 9♊50 | 18°55 | 19°16 | 6°23 | 9° 3 | 18°31 | 4° 8 | 27°54 | 0°57 | 8° 7 | 9°49 | 1°53 | 7° 0 | T 9 |
| W10 | 15 45 9 | 27°24'53 | 23°50 | 19°43 | 20°29 | 7° 6 | 9°16 | 18°27 | 4° 5 | 27°56 | 0°58 | 8° 4 | 9°46 | 1°59 | 7° 4 | W10 |
| T 11 | 15 49 5 | 28°22'26 | 7♋25 | 20°27 | 21°41 | 7°50 | 9°30 | 18°22 | 4° 3 | 27°59 | 1° 0 | 8°D 3 | 9°42 | 2° 6 | 7° 8 | T 11 |
| F 12 | 15 53 2 | 29°19'58 | 20°34 | 21° 6 | 22°54 | 8°34 | 9°44 | 18°18 | 4° 0 | 28° 1 | 1° 1 | 8° 4 | 9°39 | 2°13 | 7°12 | F 12 |
| S 13 | 15 56 58 | 0♊17'28 | 3♌21 | 21°41 | 24° 7 | 9°18 | 9°58 | 18°14 | 3°58 | 28° 3 | 1° 3 | 8° 5 | 9°36 | 2°19 | 7°16 | S 13 |
| S 14 | 16 0 55 | 1°14'57 | 15°47 | 22°11 | 25°20 | 10° 1 | 10°11 | 18° 9 | 3°56 | 28° 5 | 1° 4 | 8° 7 | 9°33 | 2°26 | 7°19 | S 14 |
| M15 | 16 4 52 | 2°12'25 | 27°58 | 22°37 | 26°33 | 10°45 | 10°25 | 18° 5 | 3°53 | 28° 8 | 1° 5 | 8°R 8 | 9°30 | 2°33 | 7°23 | M15 |
| T 16 | 16 8 48 | 3° 9'51 | 9♍58 | 22°59 | 27°46 | 11°29 | 10°39 | 18° 1 | 3°51 | 28°10 | 1° 7 | 8° 7 | 9°27 | 2°40 | 7°27 | T 16 |
| W17 | 16 12 45 | 4° 7'16 | 21°52 | 23°16 | 28°58 | 12°12 | 10°53 | 17°57 | 3°48 | 28°12 | 1° 8 | 8° 6 | 9°23 | 2°46 | 7°31 | W17 |
| T 18 | 16 16 41 | 5° 4'40 | 3♎45 | 23°28 | 0♋11 | 12°55 | 11° 6 | 17°52 | 3°46 | 28°14 | 1° 9 | 8° 3 | 9°20 | 2°53 | 7°35 | T 18 |
| F 19 | 16 20 38 | 6° 2'03 | 15°40 | 23°35 | 1°24 | 13°39 | 11°20 | 17°48 | 3°43 | 28°17 | 1°11 | 7°59 | 9°17 | 3° 0 | 7°38 | F 19 |
| S 20 | 16 24 34 | 6°59'25 | 27°41 | 23°R38 | 2°36 | 14°22 | 11°34 | 17°44 | 3°41 | 28°19 | 1°12 | 7°54 | 9°14 | 3° 6 | 7°42 | S 20 |
| S 21 | 16 28 31 | 7°56'46 | 9♏52 | 23°37 | 3°49 | 15° 5 | 11°48 | 17°40 | 3°38 | 28°21 | 1°14 | 7°48 | 9°11 | 3°13 | 7°46 | S 21 |
| M22 | 16 32 27 | 8°54'05 | 22°13 | 23°31 | 5° 1 | 15°49 | 12° 2 | 17°36 | 3°36 | 28°23 | 1°15 | 7°44 | 9° 8 | 3°20 | 7°50 | M22 |
| T 23 | 16 36 24 | 9°51'24 | 4♐46 | 23°21 | 6°14 | 16°32 | 12°16 | 17°32 | 3°33 | 28°25 | 1°16 | 7°40 | 9° 4 | 3°27 | 7°53 | T 23 |
| W24 | 16 40 21 | 10°48'43 | 17°33 | 23° 6 | 7°26 | 17°15 | 12°29 | 17°28 | 3°31 | 28°28 | 1°18 | 7°37 | 9° 1 | 3°33 | 7°57 | W24 |
| T 25 | 16 44 17 | 11°46'00 | 0♑32 | 22°48 | 8°39 | 17°58 | 12°43 | 17°24 | 3°28 | 28°30 | 1°19 | 7°36 | 8°58 | 3°40 | 8° 1 | T 25 |
| F 26 | 16 48 14 | 12°43'17 | 13°45 | 22°26 | 9°51 | 18°41 | 12°57 | 17°20 | 3°26 | 28°32 | 1°20 | 7°D36 | 8°55 | 3°47 | 8° 4 | F 26 |
| S 27 | 16 52 10 | 13°40'34 | 27°10 | 22° 1 | 11° 4 | 19°24 | 13°11 | 17°17 | 3°24 | 28°34 | 1°22 | 7°37 | 8°52 | 3°54 | 8° 8 | S 27 |
| S 28 | 16 56 7 | 14°37'50 | 10♒48 | 21°33 | 12°16 | 20° 7 | 13°25 | 17°13 | 3°21 | 28°36 | 1°23 | 7°38 | 8°48 | 4° 0 | 8°11 | S 28 |
| M29 | 17 0 3 | 15°35'05 | 24°37 | 21° 3 | 13°28 | 20°49 | 13°39 | 17° 9 | 3°19 | 28°39 | 1°24 | 7°39 | 8°45 | 4° 7 | 8°15 | M29 |
| T 30 | 17 4 0 | 16°32'21 | 8♓37 | 20°31 | 14°41 | 21°32 | 13°52 | 17° 6 | 3°16 | 28°41 | 1°26 | 7°40 | 8°42 | 4°14 | 8°18 | T 30 |
| W31 | 17 7 56 | 17♊29'36 | 22♓47 | 19♊58 | 15♋53 | 22♉15 | 14♊ 6 | 17♏ 2 | 3♐14 | 28♉43 | 1♊27 | 7°R40 | 8♑39 | 4♎20 | 8♉22 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n28 | 13s52 | 2n58 | 24n26 | 2n25 | 22n41 | 0n44 | 11n12 | 0s31 | 21n 9 | 0s27 | 15s15 | 2n24 | 21s 0 | 0n 6 | 18n 6 | 1s38 | 9n21 | 11s16 | 23s14 | 23s 7 | 5s 3 | 12n34 | 1s13 |
| T 2 | 17 44 | 8 37 | 3 53 | 24 37 | 2 24 | 22 54 | 0 46 | 11 28 | 0 30 | 21 11 | 0 27 | 15 14 | 2 24 | 21 0 | 0 6 | 18 7 | 1 38 | 9 21 | 11 16 | 23 14 | 23 8 | 5 6 | 12 35 | 1 13 |
| W 3 | 17 59 | 2 50 | 4 35 | 24 46 | 2 23 | 23 6 | 0 49 | 11 44 | 0 30 | 21 13 | 0 27 | 15 12 | 2 24 | 20 59 | 0 6 | 18 7 | 1 38 | 9 22 | 11 16 | 23 14 | 23 8 | 5 8 | 12 37 | 1 13 |
| T 4 | 18 14 | 3n13 | 5 1 | 24 52 | 2 21 | 23 18 | 0 51 | 12 0 | 0 29 | 21 16 | 0 27 | 15 11 | 2 24 | 20 59 | 0 6 | 18 8 | 1 38 | 9 22 | 11 15 | 23 14 | 23 8 | 5 11 | 12 38 | 1 13 |
| F 5 | 18 29 | 9 10 | 5 7 | 24 57 | 2 17 | 23 29 | 0 54 | 12 15 | 0 29 | 21 18 | 0 26 | 15 10 | 2 24 | 20 58 | 0 6 | 18 8 | 1 38 | 9 22 | 11 15 | 23 15 | 23 8 | 5 14 | 12 39 | 1 13 |
| S 6 | 18 44 | 14 39 | 4 54 | 25 0 | 2 13 | 23 40 | 0 56 | 12 31 | 0 28 | 21 20 | 0 26 | 15 9 | 2 24 | 20 58 | 0 6 | 18 9 | 1 38 | 9 23 | 11 15 | 23 15 | 23 9 | 5 17 | 12 40 | 1 14 |
| S 7 | 18 58 | 19 14 | 4 20 | 25 1 | 2 8 | 23 50 | 0 58 | 12 46 | 0 27 | 21 23 | 0 26 | 15 8 | 2 24 | 20 57 | 0 6 | 18 9 | 1 38 | 9 23 | 11 15 | 23 15 | 23 9 | 5 20 | 12 41 | 1 14 |
| M 8 | 19 12 | 22 35 | 3 30 | 25 0 | 2 2 | 23 59 | 1 0 | 13 2 | 0 27 | 21 25 | 0 26 | 15 7 | 2 24 | 20 57 | 0 6 | 18 10 | 1 38 | 9 23 | 11 15 | 23 16 | 23 9 | 5 22 | 12 43 | 1 14 |
| T 9 | 19 26 | 24 25 | 2 27 | 24 58 | 1 55 | 24 7 | 1 3 | 13 17 | 0 26 | 21 27 | 0 26 | 15 6 | 2 24 | 20 56 | 0 6 | 18 10 | 1 38 | 9 24 | 11 15 | 23 16 | 23 9 | 5 25 | 12 44 | 1 14 |
| W10 | 19 39 | 24 39 | 1 16 | 24 54 | 1 48 | 24 15 | 1 5 | 13 32 | 0 26 | 21 29 | 0 26 | 15 4 | 2 24 | 20 56 | 0 6 | 18 11 | 1 38 | 9 24 | 11 15 | 23 16 | 23 9 | 5 28 | 12 45 | 1 14 |
| T 11 | 19 52 | 23 22 | 0 3 | 24 49 | 1 39 | 24 22 | 1 7 | 13 47 | 0 25 | 21 31 | 0 26 | 15 3 | 2 24 | 20 56 | 0 6 | 18 11 | 1 38 | 9 24 | 11 15 | 23 16 | 23 10 | 5 31 | 12 46 | 1 14 |
| F 12 | 20 4 | 20 49 | 1s 8 | 24 42 | 1 29 | 24 29 | 1 9 | 14 1 | 0 24 | 21 34 | 0 26 | 15 2 | 2 23 | 20 55 | 0 6 | 18 12 | 1 38 | 9 25 | 11 15 | 23 16 | 23 10 | 5 34 | 12 47 | 1 14 |
| S 13 | 20 17 | 17 19 | 2 13 | 24 34 | 1 19 | 24 34 | 1 11 | 14 16 | 0 24 | 21 36 | 0 26 | 15 1 | 2 23 | 20 55 | 0 6 | 18 12 | 1 38 | 9 25 | 11 15 | 23 16 | 23 10 | 5 36 | 12 49 | 1 14 |
| S 14 | 20 29 | 13 7 | 3 11 | 24 25 | 1 8 | 24 39 | 1 13 | 14 30 | 0 23 | 21 38 | 0 26 | 15 0 | 2 23 | 20 54 | 0 6 | 18 13 | 1 38 | 9 25 | 11 15 | 23 16 | 23 10 | 5 39 | 12 50 | 1 14 |
| M15 | 20 40 | 8 29 | 3 58 | 24 14 | 0 56 | 24 44 | 1 15 | 14 45 | 0 22 | 21 40 | 0 25 | 14 59 | 2 23 | 20 54 | 0 6 | 18 13 | 1 38 | 9 25 | 11 15 | 23 16 | 23 11 | 5 42 | 12 51 | 1 15 |
| T 16 | 20 52 | 3 37 | 4 35 | 24 3 | 0 43 | 24 47 | 1 17 | 14 59 | 0 22 | 21 42 | 0 25 | 14 58 | 2 23 | 20 53 | 0 6 | 18 14 | 1 38 | 9 26 | 11 15 | 23 16 | 23 11 | 5 45 | 12 52 | 1 15 |
| W17 | 21 2 | 1s21 | 4 59 | 23 50 | 0 29 | 24 50 | 1 19 | 15 13 | 0 21 | 21 44 | 0 25 | 14 57 | 2 23 | 20 53 | 0 6 | 18 14 | 1 38 | 9 26 | 11 15 | 23 16 | 23 11 | 5 47 | 12 53 | 1 15 |
| T 18 | 21 13 | 6 15 | 5 11 | 23 36 | 0 15 | 24 52 | 1 21 | 15 27 | 0 21 | 21 46 | 0 25 | 14 56 | 2 23 | 20 52 | 0 6 | 18 15 | 1 38 | 9 26 | 11 15 | 23 16 | 23 11 | 5 50 | 12 54 | 1 15 |
| F 19 | 21 23 | 10 56 | 5 9 | 23 22 | 0s 0 | 24 53 | 1 23 | 15 40 | 0 20 | 21 48 | 0 25 | 14 55 | 2 23 | 20 52 | 0 6 | 18 15 | 1 38 | 9 27 | 11 15 | 23 17 | 23 12 | 5 53 | 12 55 | 1 15 |
| S 20 | 21 33 | 15 15 | 4 53 | 23 6 | 0 16 | 24 54 | 1 24 | 15 54 | 0 19 | 21 50 | 0 25 | 14 54 | 2 23 | 20 51 | 0 6 | 18 16 | 1 38 | 9 27 | 11 15 | 23 17 | 23 12 | 5 56 | 12 56 | 1 15 |
| S 21 | 21 42 | 19 0 | 4 25 | 22 50 | 0 32 | 24 54 | 1 26 | 16 7 | 0 19 | 21 52 | 0 25 | 14 53 | 2 22 | 20 51 | 0 6 | 18 16 | 1 38 | 9 27 | 11 15 | 23 17 | 23 12 | 5 59 | 12 57 | 1 15 |
| M22 | 21 51 | 21 58 | 3 43 | 22 33 | 0 48 | 24 53 | 1 28 | 16 20 | 0 18 | 21 54 | 0 25 | 14 52 | 2 22 | 20 51 | 0 6 | 18 17 | 1 38 | 9 27 | 11 15 | 23 18 | 23 12 | 6 1 | 12 59 | 1 15 |
| T 23 | 22 0 | 23 57 | 2 50 | 22 16 | 1 5 | 24 52 | 1 29 | 16 33 | 0 17 | 21 56 | 0 25 | 14 51 | 2 22 | 20 50 | 0 6 | 18 17 | 1 38 | 9 28 | 11 15 | 23 18 | 23 12 | 6 4 | 13 0 | 1 16 |
| W24 | 22 8 | 24 43 | 1 48 | 21 59 | 1 22 | 24 49 | 1 31 | 16 46 | 0 17 | 21 58 | 0 25 | 14 50 | 2 22 | 20 50 | 0 6 | 18 18 | 1 38 | 9 28 | 11 15 | 23 18 | 23 13 | 6 7 | 13 1 | 1 16 |
| T 25 | 22 16 | 24 10 | 0 39 | 21 41 | 1 39 | 24 46 | 1 32 | 16 59 | 0 16 | 22 0 | 0 24 | 14 49 | 2 22 | 20 49 | 0 6 | 18 18 | 1 38 | 9 28 | 11 15 | 23 18 | 23 13 | 6 10 | 13 2 | 1 16 |
| F 26 | 22 24 | 22 15 | 0n34 | 21 22 | 1 56 | 24 43 | 1 34 | 17 12 | 0 15 | 22 1 | 0 24 | 14 48 | 2 22 | 20 49 | 0 6 | 18 19 | 1 38 | 9 28 | 11 15 | 23 18 | 23 13 | 6 12 | 13 3 | 1 16 |
| S 27 | 22 31 | 19 4 | 1 46 | 21 4 | 2 13 | 24 38 | 1 35 | 17 24 | 0 15 | 22 3 | 0 24 | 14 47 | 2 22 | 20 48 | 0 6 | 18 19 | 1 38 | 9 29 | 11 15 | 23 18 | 23 13 | 6 15 | 13 4 | 1 16 |
| S 28 | 22 38 | 14 49 | 2 52 | 20 46 | 2 29 | 24 33 | 1 36 | 17 36 | 0 14 | 22 5 | 0 24 | 14 46 | 2 21 | 20 48 | 0 6 | 18 20 | 1 38 | 9 29 | 11 15 | 23 18 | 23 13 | 6 18 | 13 5 | 1 16 |
| M29 | 22 44 | 9 44 | 3 50 | 20 28 | 2 45 | 24 27 | 1 38 | 17 48 | 0 13 | 22 7 | 0 24 | 14 45 | 2 21 | 20 47 | 0 6 | 18 20 | 1 38 | 9 29 | 11 15 | 23 18 | 23 14 | 6 21 | 13 6 | 1 16 |
| T 30 | 22 50 | 4 6 | 4 35 | 20 11 | 3 0 | 24 21 | 1 39 | 18 0 | 0 13 | 22 9 | 0 24 | 14 44 | 2 21 | 20 47 | 0 6 | 18 21 | 1 38 | 9 29 | 11 15 | 23 18 | 23 14 | 6 23 | 13 7 | 1 16 |
| W31 | 22n56 | 1n47 | 5n 4 | 19n54 | 3s15 | 24n13 | 1n40 | 18n12 | 0s12 | 22n10 | 0s24 | 14s44 | 2n21 | 20s46 | 0n 6 | 18n21 | 1s38 | 9n30 | 11s15 | 23s18 | 23s14 | 6s26 | 13n 8 | 1s17 |

Julian Day Number = 2231067.5, Delta T = 07m59s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'10, Lahiri = 15°26'10 Julian Calendar 1 May 1396 == Greg. Calendar 9 May 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## JUNE 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 11 53 | 18♊26'50 | 7♈ 5 | 19°R24 | 17♋ 5 | 22♉57 | 14♊20 | 16°R59 | 3°R12 | 28♉45 | 1♊28 | 7°R40 | 8♏36 | 4♎27 | 8♉25 | T 1 |
| F 2 | 17 15 50 | 19°24'05 | 21°28 | 18♊49 | 18°17 | 23°40 | 14°34 | 16♏55 | 3♐ 9 | 28°47 | 1°30 | 7♏38 | 8°33 | 4°34 | 8°28 | F 2 |
| S 3 | 17 19 46 | 20°21'20 | 5♉51 | 18°16 | 19°29 | 24°23 | 14°48 | 16°52 | 3° 7 | 28°49 | 1°31 | 7°36 | 8°29 | 4°41 | 8°32 | S 3 |
| S 4 | 17 23 43 | 21°18'34 | 20°12 | 17°43 | 20°41 | 25° 5 | 15° 1 | 16°49 | 3° 5 | 28°51 | 1°32 | 7°34 | 8°26 | 4°47 | 8°35 | S 4 |
| M 5 | 17 27 39 | 22°15'48 | 4♊24 | 17°11 | 21°54 | 25°47 | 15°15 | 16°45 | 3° 2 | 28°54 | 1°34 | 7°32 | 8°23 | 4°54 | 8°38 | M 5 |
| T 6 | 17 31 36 | 23°13'02 | 18°23 | 16°42 | 23° 6 | 26°30 | 15°29 | 16°42 | 3° 0 | 28°56 | 1°35 | 7°31 | 8°20 | 5° 1 | 8°42 | T 6 |
| W 7 | 17 35 32 | 24°10'16 | 2♋ 5 | 16°15 | 24°18 | 27°12 | 15°43 | 16°39 | 2°58 | 28°58 | 1°36 | 7°D30 | 8°17 | 5° 8 | 8°45 | W 7 |
| T 8 | 17 39 29 | 25° 7'29 | 15°29 | 15°52 | 25°30 | 27°54 | 15°56 | 16°36 | 2°55 | 29° 0 | 1°37 | 7°30 | 8°14 | 5°14 | 8°48 | T 8 |
| F 9 | 17 43 25 | 26° 4'42 | 28°32 | 15°31 | 26°41 | 28°36 | 16°10 | 16°33 | 2°53 | 29° 2 | 1°39 | 7°31 | 8°10 | 5°21 | 8°51 | F 9 |
| S 10 | 17 47 22 | 27° 1'55 | 11♌16 | 15°15 | 27°53 | 29°19 | 16°24 | 16°30 | 2°51 | 29° 4 | 1°40 | 7°32 | 8° 7 | 5°28 | 8°54 | S 10 |
| S 11 | 17 51 19 | 27°59'07 | 23°43 | 15° 3 | 29° 5 | 0♊ 1 | 16°38 | 16°27 | 2°49 | 29° 6 | 1°41 | 7°33 | 8° 4 | 5°34 | 8°57 | S 11 |
| M12 | 17 55 15 | 28°56'18 | 5♍55 | 14°55 | 0♌17 | 0°43 | 16°51 | 16°25 | 2°47 | 29° 8 | 1°42 | 7°33 | 8° 1 | 5°41 | 9° 0 | M12 |
| T 13 | 17 59 12 | 29°53'30 | 17°57 | 14°D51 | 1°29 | 1°25 | 17° 5 | 16°22 | 2°45 | 29°10 | 1°44 | 7°34 | 7°58 | 5°48 | 9° 3 | T 13 |
| W14 | 18 3 8 | 0♋50'41 | 29°52 | 14°53 | 2°40 | 2° 6 | 17°18 | 16°20 | 2°43 | 29°12 | 1°45 | 7°R34 | 7°54 | 5°55 | 9° 6 | W14 |
| T 15 | 18 7 5 | 1°47'51 | 11♎46 | 14°59 | 3°52 | 2°48 | 17°32 | 16°17 | 2°40 | 29°14 | 1°46 | 7°34 | 7°51 | 6° 1 | 9° 9 | T 15 |
| F 16 | 18 11 1 | 2°45'02 | 23°42 | 15°10 | 5° 4 | 3°30 | 17°46 | 16°15 | 2°38 | 29°16 | 1°47 | 7°34 | 7°48 | 6° 8 | 9°12 | F 16 |
| S 17 | 18 14 58 | 3°42'12 | 5♏45 | 15°26 | 6°15 | 4°12 | 17°59 | 16°12 | 2°36 | 29°18 | 1°49 | 7°33 | 7°45 | 6°15 | 9°15 | S 17 |
| S 18 | 18 18 54 | 4°39'22 | 18° 0 | 15°48 | 7°27 | 4°53 | 18°13 | 16°10 | 2°34 | 29°20 | 1°50 | 7°33 | 7°42 | 6°21 | 9°18 | S 18 |
| M19 | 18 22 51 | 5°36'32 | 0♐28 | 16°14 | 8°38 | 5°35 | 18°26 | 16° 8 | 2°32 | 29°22 | 1°51 | 7°33 | 7°39 | 6°28 | 9°20 | M19 |
| T 20 | 18 26 48 | 6°33'41 | 13°13 | 16°45 | 9°50 | 6°16 | 18°40 | 16° 6 | 2°31 | 29°23 | 1°52 | 7°32 | 7°35 | 6°35 | 9°23 | T 20 |
| W21 | 18 30 44 | 7°30'51 | 26°16 | 17°22 | 11° 1 | 6°58 | 18°53 | 16° 4 | 2°29 | 29°25 | 1°53 | 7°D32 | 7°32 | 6°42 | 9°26 | W21 |
| T 22 | 18 34 41 | 8°28'01 | 9♑36 | 18° 3 | 12°12 | 7°39 | 19° 6 | 16° 2 | 2°27 | 29°27 | 1°54 | 7°R32 | 7°29 | 6°48 | 9°28 | T 22 |
| F 23 | 18 38 37 | 9°25'12 | 23°13 | 18°49 | 13°23 | 8°21 | 19°20 | 16° 0 | 2°25 | 29°29 | 1°56 | 7°32 | 7°26 | 6°55 | 9°31 | F 23 |
| S 24 | 18 42 34 | 10°22'22 | 7♒ 4 | 19°40 | 14°35 | 9° 2 | 19°33 | 15°59 | 2°23 | 29°31 | 1°57 | 7°32 | 7°23 | 7° 2 | 9°33 | S 24 |
| S 25 | 18 46 30 | 11°19'33 | 21° 8 | 20°36 | 15°46 | 9°43 | 19°46 | 15°57 | 2°22 | 29°33 | 1°58 | 7°32 | 7°20 | 7° 9 | 9°36 | S 25 |
| M26 | 18 50 27 | 12°16'44 | 5♓19 | 21°37 | 16°57 | 10°24 | 20° 0 | 15°55 | 2°20 | 29°34 | 1°59 | 7°31 | 7°16 | 7°15 | 9°38 | M26 |
| T 27 | 18 54 23 | 13°13'56 | 19°35 | 22°42 | 18° 8 | 11° 5 | 20°13 | 15°54 | 2°18 | 29°36 | 2° 0 | 7°31 | 7°13 | 7°22 | 9°40 | T 27 |
| W28 | 18 58 20 | 14°11'09 | 3♈52 | 23°52 | 19°19 | 11°46 | 20°26 | 15°53 | 2°16 | 29°38 | 2° 1 | 7°31 | 7°10 | 7°29 | 9°43 | W28 |
| T 29 | 19 2 17 | 15° 8'22 | 18° 7 | 25° 7 | 20°30 | 12°27 | 20°39 | 15°51 | 2°15 | 29°40 | 2° 2 | 7°D30 | 7° 7 | 7°35 | 9°45 | T 29 |
| F 30 | 19 6 13 | 16♋ 5'36 | 2♉17 | 26♊26 | 21♌41 | 13♊ 8 | 20♊52 | 15♏50 | 2♐13 | 29♉41 | 2♊ 3 | 7♏31 | 7♏ 4 | 7♎42 | 9♉47 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n 1 | 7n38 | 5n15 | 19n38 | 3s28 | 24n 5 | 1n41 | 18n23 | 0s11 | 22n12 | 0s24 | 14s43 | 2n21 | 20s46 | 0n 6 | 18n21 | 1s38 | 9n30 | 11s15 | 23s18 | 23s14 | 6s29 | 13n 9 | 1s17 |
| F 2 | 23 6 | 13 7 | 5 6 | 19 23 | 3 41 | 23 57 | 1 42 | 18 35 | 0 11 | 22 14 | 0 24 | 14 42 | 2 21 | 20 46 | 0 6 | 18 22 | 1 38 | 9 30 | 11 15 | 23 18 | 23 14 | 6 32 | 13 10 | 1 17 |
| S 3 | 23 10 | 17 53 | 4 38 | 19 9 | 3 52 | 23 47 | 1 43 | 18 46 | 0 10 | 22 15 | 0 24 | 14 41 | 2 20 | 20 45 | 0 6 | 18 22 | 1 38 | 9 30 | 11 15 | 23 18 | 23 15 | 6 34 | 13 11 | 1 17 |
| S 4 | 23 14 | 21 35 | 3 52 | 18 56 | 4 2 | 23 37 | 1 44 | 18 57 | 0 9 | 22 17 | 0 24 | 14 40 | 2 20 | 20 45 | 0 6 | 18 23 | 1 38 | 9 31 | 11 15 | 23 18 | 23 15 | 6 37 | 13 12 | 1 17 |
| M 5 | 23 17 | 23 55 | 2 53 | 18 44 | 4 11 | 23 27 | 1 44 | 19 8 | 0 9 | 22 19 | 0 23 | 14 40 | 2 20 | 20 44 | 0 6 | 18 23 | 1 38 | 9 31 | 11 15 | 23 18 | 23 15 | 6 40 | 13 13 | 1 17 |
| T 6 | 23 21 | 24 44 | 1 44 | 18 34 | 4 18 | 23 15 | 1 45 | 19 18 | 0 8 | 22 20 | 0 23 | 14 39 | 2 20 | 20 44 | 0 6 | 18 24 | 1 38 | 9 31 | 11 15 | 23 18 | 23 15 | 6 43 | 13 13 | 1 17 |
| W 7 | 23 23 | 24 0 | 0 30 | 18 26 | 4 24 | 23 3 | 1 45 | 19 29 | 0 7 | 22 22 | 0 23 | 14 38 | 2 20 | 20 43 | 0 6 | 18 24 | 1 38 | 9 31 | 11 15 | 23 18 | 23 15 | 6 45 | 13 14 | 1 18 |
| T 8 | 23 26 | 21 53 | 0s44 | 18 19 | 4 28 | 22 51 | 1 46 | 19 39 | 0 7 | 22 23 | 0 23 | 14 38 | 2 19 | 20 43 | 0 6 | 18 25 | 1 38 | 9 31 | 11 15 | 23 18 | 23 16 | 6 48 | 13 15 | 1 18 |
| F 9 | 23 28 | 18 40 | 1 54 | 18 14 | 4 31 | 22 38 | 1 46 | 19 49 | 0 6 | 22 25 | 0 23 | 14 37 | 2 19 | 20 43 | 0 6 | 18 25 | 1 38 | 9 31 | 11 15 | 23 18 | 23 16 | 6 51 | 13 16 | 1 18 |
| S 10 | 23 29 | 14 38 | 2 56 | 18 11 | 4 32 | 22 24 | 1 47 | 19 59 | 0 5 | 22 26 | 0 23 | 14 36 | 2 19 | 20 42 | 0 6 | 18 25 | 1 38 | 9 32 | 11 15 | 23 18 | 23 16 | 6 53 | 13 17 | 1 18 |
| S 11 | 23 30 | 10 4 | 3 49 | 18 10 | 4 32 | 22 9 | 1 47 | 20 9 | 0 5 | 22 28 | 0 23 | 14 36 | 2 19 | 20 42 | 0 6 | 18 26 | 1 38 | 9 32 | 11 15 | 23 18 | 23 16 | 6 56 | 13 18 | 1 18 |
| M12 | 23 31 | 5 11 | 4 30 | 18 10 | 4 31 | 21 54 | 1 47 | 20 18 | 0 4 | 22 29 | 0 23 | 14 35 | 2 19 | 20 41 | 0 6 | 18 26 | 1 38 | 9 32 | 11 15 | 23 18 | 23 16 | 6 59 | 13 19 | 1 18 |
| T 13 | 23 31 | 0 12 | 4 58 | 18 12 | 4 28 | 21 38 | 1 47 | 20 27 | 0 3 | 22 31 | 0 23 | 14 35 | 2 18 | 20 41 | 0 6 | 18 27 | 1 38 | 9 32 | 11 15 | 23 18 | 23 17 | 7 2 | 13 19 | 1 18 |
| W14 | 23 31 | 4s45 | 5 14 | 18 16 | 4 25 | 21 22 | 1 47 | 20 37 | 0 3 | 22 32 | 0 23 | 14 34 | 2 18 | 20 41 | 0 6 | 18 27 | 1 38 | 9 32 | 11 16 | 23 18 | 23 17 | 7 4 | 13 20 | 1 19 |
| T 15 | 23 30 | 9 30 | 5 16 | 18 22 | 4 20 | 21 5 | 1 47 | 20 45 | 0 2 | 22 33 | 0 23 | 14 34 | 2 18 | 20 40 | 0 6 | 18 27 | 1 38 | 9 32 | 11 16 | 23 18 | 23 17 | 7 7 | 13 21 | 1 19 |
| F 16 | 23 29 | 13 56 | 5 4 | 18 29 | 4 14 | 20 48 | 1 47 | 20 54 | 0 1 | 22 35 | 0 23 | 14 33 | 2 18 | 20 40 | 0 6 | 18 28 | 1 38 | 9 33 | 11 16 | 23 18 | 23 17 | 7 10 | 13 22 | 1 19 |
| S 17 | 23 28 | 17 52 | 4 39 | 18 38 | 4 6 | 20 30 | 1 47 | 21 3 | 0 1 | 22 36 | 0 22 | 14 33 | 2 17 | 20 39 | 0 6 | 18 28 | 1 38 | 9 33 | 11 16 | 23 18 | 23 17 | 7 12 | 13 22 | 1 19 |
| S 18 | 23 26 | 21 6 | 4 1 | 18 48 | 3 58 | 20 11 | 1 47 | 21 11 | 0n 0 | 22 37 | 0 22 | 14 32 | 2 17 | 20 39 | 0 6 | 18 29 | 1 38 | 9 33 | 11 16 | 23 18 | 23 18 | 7 15 | 13 23 | 1 19 |
| M19 | 23 24 | 23 26 | 3 11 | 19 0 | 3 50 | 19 52 | 1 46 | 21 19 | 0 1 | 22 39 | 0 22 | 14 32 | 2 17 | 20 39 | 0 6 | 18 29 | 1 38 | 9 33 | 11 16 | 23 18 | 23 18 | 7 18 | 13 24 | 1 19 |
| T 20 | 23 21 | 24 37 | 2 11 | 19 12 | 3 40 | 19 33 | 1 46 | 21 27 | 0 2 | 22 40 | 0 22 | 14 32 | 2 17 | 20 38 | 0 6 | 18 29 | 1 38 | 9 33 | 11 16 | 23 18 | 23 18 | 7 20 | 13 25 | 1 19 |
| W21 | 23 18 | 24 30 | 1 2 | 19 26 | 3 30 | 19 13 | 1 45 | 21 35 | 0 2 | 22 41 | 0 22 | 14 31 | 2 17 | 20 38 | 0 6 | 18 30 | 1 38 | 9 33 | 11 16 | 23 18 | 23 18 | 7 23 | 13 25 | 1 20 |
| T 22 | 23 15 | 22 59 | 0n11 | 19 41 | 3 19 | 18 52 | 1 45 | 21 42 | 0 3 | 22 42 | 0 22 | 14 31 | 2 16 | 20 38 | 0 6 | 18 30 | 1 38 | 9 33 | 11 16 | 23 18 | 23 18 | 7 26 | 13 26 | 1 20 |
| F 23 | 23 11 | 20 6 | 1 26 | 19 56 | 3 7 | 18 31 | 1 44 | 21 50 | 0 4 | 22 43 | 0 22 | 14 31 | 2 16 | 20 37 | 0 6 | 18 30 | 1 38 | 9 33 | 11 16 | 23 18 | 23 19 | 7 29 | 13 27 | 1 20 |
| S 24 | 23 7 | 16 2 | 2 36 | 20 12 | 2 55 | 18 9 | 1 43 | 21 57 | 0 4 | 22 44 | 0 22 | 14 30 | 2 16 | 20 37 | 0 6 | 18 31 | 1 38 | 9 34 | 11 16 | 23 18 | 23 19 | 7 31 | 13 27 | 1 20 |
| S 25 | 23 2 | 11 3 | 3 39 | 20 29 | 2 43 | 17 47 | 1 42 | 22 4 | 0 5 | 22 46 | 0 22 | 14 30 | 2 16 | 20 37 | 0 6 | 18 31 | 1 38 | 9 34 | 11 17 | 23 18 | 23 19 | 7 34 | 13 28 | 1 20 |
| M26 | 22 57 | 5 26 | 4 28 | 20 46 | 2 30 | 17 25 | 1 41 | 22 11 | 0 6 | 22 47 | 0 22 | 14 30 | 2 15 | 20 36 | 0 6 | 18 31 | 1 38 | 9 34 | 11 17 | 23 18 | 23 19 | 7 37 | 13 29 | 1 20 |
| T 27 | 22 51 | 0n29 | 5 1 | 21 3 | 2 17 | 17 2 | 1 40 | 22 17 | 0 6 | 22 48 | 0 22 | 14 30 | 2 15 | 20 36 | 0 6 | 18 32 | 1 38 | 9 34 | 11 17 | 23 18 | 23 19 | 7 39 | 13 29 | 1 21 |
| W28 | 22 46 | 6 22 | 5 16 | 21 19 | 2 3 | 16 39 | 1 39 | 22 23 | 0 7 | 22 49 | 0 22 | 14 30 | 2 15 | 20 36 | 0 6 | 18 32 | 1 38 | 9 34 | 11 17 | 23 18 | 23 19 | 7 42 | 13 30 | 1 21 |
| T 29 | 22 39 | 11 55 | 5 11 | 21 36 | 1 50 | 16 15 | 1 38 | 22 30 | 0 8 | 22 50 | 0 22 | 14 29 | 2 15 | 20 35 | 0 6 | 18 33 | 1 38 | 9 34 | 11 17 | 23 18 | 23 20 | 7 45 | 13 30 | 1 21 |
| F 30 | 22n33 | 16n48 | 4n48 | 21n52 | 1s36 | 15n51 | 1n36 | 22n36 | 0n 9 | 22n51 | 0s21 | 14s29 | 2n14 | 20s35 | 0n 6 | 18n33 | 1s38 | 9n34 | 11s17 | 23s18 | 23s20 | 7s47 | 13n31 | 1s21 |

Julian Day Number = 2231098.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'14, Lahiri = 15°26'14 Julian Calendar 1 June 1396 == Greg. Calendar 9 June 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## JULY 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 10 10 | 17♋ 2'51 | 16♉21 | 27♊49 | 22♌51 | 13♊49 | 21♊ 5 | 15°R49 | 2°R12 | 29♉43 | 2♊ 4 | 7♏31 | 7♏ 0 | 7♎49 | 9♉49 | S 1 |
| S 2 | 19 14 6 | 18° 0'06 | 0♊16 | 29°17 | 24° 2 | 14°30 | 21°19 | 15♏48 | 2♐10 | 29°44 | 2° 5 | 7°32 | 6°57 | 7°56 | 9°51 | S 2 |
| M 3 | 19 18 3 | 18°57'23 | 14° 1 | 0♋48 | 25°13 | 15°11 | 21°32 | 15°47 | 2° 9 | 29°46 | 2° 6 | 7°33 | 6°54 | 8° 2 | 9°54 | M 3 |
| T 4 | 19 21 59 | 19°54'40 | 27°33 | 2°24 | 26°23 | 15°51 | 21°44 | 15°47 | 2° 7 | 29°48 | 2° 7 | 7°34 | 6°51 | 8° 9 | 9°56 | T 4 |
| W 5 | 19 25 56 | 20°51'58 | 10♋52 | 4° 4 | 27°34 | 16°32 | 21°57 | 15°46 | 2° 6 | 29°49 | 2° 8 | 7°R34 | 6°48 | 8°16 | 9°57 | W 5 |
| T 6 | 19 29 53 | 21°49'16 | 23°57 | 5°47 | 28°44 | 17°13 | 22°10 | 15°45 | 2° 5 | 29°51 | 2° 9 | 7°33 | 6°45 | 8°23 | 9°59 | T 6 |
| F 7 | 19 33 49 | 22°46'35 | 6♌47 | 7°34 | 29°55 | 17°53 | 22°23 | 15°45 | 2° 4 | 29°52 | 2°10 | 7°32 | 6°41 | 8°29 | 10° 1 | F 7 |
| S 8 | 19 37 46 | 23°43'55 | 19°23 | 9°24 | 1♍ 5 | 18°34 | 22°36 | 15°44 | 2° 2 | 29°54 | 2°11 | 7°30 | 6°38 | 8°36 | 10° 3 | S 8 |
| S 9 | 19 41 42 | 24°41'15 | 1♍44 | 11°17 | 2°16 | 19°14 | 22°48 | 15°44 | 2° 1 | 29°55 | 2°12 | 7°28 | 6°35 | 8°43 | 10° 5 | S 9 |
| M10 | 19 45 39 | 25°38'36 | 13°54 | 13°13 | 3°26 | 19°54 | 23° 1 | 15°44 | 2° 0 | 29°57 | 2°13 | 7°25 | 6°32 | 8°49 | 10° 6 | M10 |
| T 11 | 19 49 35 | 26°35'57 | 25°55 | 15°11 | 4°36 | 20°35 | 23°14 | 15°44 | 1°59 | 29°58 | 2°14 | 7°22 | 6°29 | 8°56 | 10° 8 | T 11 |
| W12 | 19 53 32 | 27°33'19 | 7♎49 | 17°11 | 5°46 | 21°15 | 23°26 | 15°D44 | 1°58 | 29°59 | 2°14 | 7°20 | 6°26 | 9° 3 | 10°10 | W12 |
| T 13 | 19 57 28 | 28°30'41 | 19°42 | 19°13 | 6°56 | 21°55 | 23°39 | 15°44 | 1°57 | 0♊ 1 | 2°15 | 7°19 | 6°22 | 9°10 | 10°11 | T 13 |
| F 14 | 20 1 25 | 29°28'04 | 1♏38 | 21°16 | 8° 6 | 22°35 | 23°51 | 15°44 | 1°56 | 0° 2 | 2°16 | 7°D19 | 6°19 | 9°16 | 10°13 | F 14 |
| S 15 | 20 5 21 | 0♌25'28 | 13°40 | 23°20 | 9°16 | 23°15 | 24° 3 | 15°44 | 1°55 | 0° 4 | 2°17 | 7°20 | 6°16 | 9°23 | 10°14 | S 15 |
| S 16 | 20 9 18 | 1°22'53 | 25°54 | 25°24 | 10°26 | 23°55 | 24°16 | 15°45 | 1°54 | 0° 5 | 2°18 | 7°21 | 6°13 | 9°30 | 10°15 | S 16 |
| M17 | 20 13 15 | 2°20'18 | 8♐25 | 27°29 | 11°35 | 24°35 | 24°28 | 15°45 | 1°53 | 0° 6 | 2°18 | 7°22 | 6°10 | 9°36 | 10°17 | M17 |
| T 18 | 20 17 11 | 3°17'44 | 21°15 | 29°34 | 12°45 | 25°15 | 24°40 | 15°46 | 1°52 | 0° 7 | 2°19 | 7°24 | 6° 6 | 9°43 | 10°18 | T 18 |
| W19 | 20 21 8 | 4°15'11 | 4♑28 | 1♌39 | 13°54 | 25°55 | 24°52 | 15°46 | 1°52 | 0° 9 | 2°20 | 7°R25 | 6° 3 | 9°50 | 10°19 | W19 |
| T 20 | 20 25 4 | 5°12'38 | 18° 4 | 3°44 | 15° 4 | 26°34 | 25° 4 | 15°47 | 1°51 | 0°10 | 2°21 | 7°24 | 6° 0 | 9°57 | 10°20 | T 20 |
| F 21 | 20 29 1 | 6°10'07 | 2♒ 2 | 5°48 | 16°13 | 27°14 | 25°16 | 15°48 | 1°50 | 0°11 | 2°21 | 7°23 | 5°57 | 10° 3 | 10°21 | F 21 |
| S 22 | 20 32 57 | 7° 7'37 | 16°19 | 7°51 | 17°22 | 27°54 | 25°28 | 15°49 | 1°50 | 0°12 | 2°22 | 7°20 | 5°54 | 10°10 | 10°22 | S 22 |
| S 23 | 20 36 54 | 8° 5'07 | 0♓50 | 9°53 | 18°31 | 28°33 | 25°40 | 15°50 | 1°49 | 0°13 | 2°23 | 7°16 | 5°51 | 10°17 | 10°23 | S 23 |
| M24 | 20 40 51 | 9° 2'39 | 15°28 | 11°54 | 19°41 | 29°13 | 25°52 | 15°51 | 1°49 | 0°14 | 2°23 | 7°11 | 5°47 | 10°24 | 10°24 | M24 |
| T 25 | 20 44 47 | 10° 0'13 | 0♈ 7 | 13°54 | 20°49 | 29°52 | 26° 3 | 15°52 | 1°48 | 0°15 | 2°24 | 7° 7 | 5°44 | 10°30 | 10°25 | T 25 |
| W26 | 20 48 44 | 10°57'48 | 14°41 | 15°52 | 21°58 | 0♋31 | 26°15 | 15°54 | 1°48 | 0°16 | 2°25 | 7° 3 | 5°41 | 10°37 | 10°26 | W26 |
| T 27 | 20 52 40 | 11°55'24 | 29° 4 | 17°50 | 23° 7 | 1°11 | 26°26 | 15°55 | 1°48 | 0°17 | 2°25 | 7° 1 | 5°38 | 10°44 | 10°26 | T 27 |
| F 28 | 20 56 37 | 12°53'02 | 13♉13 | 19°46 | 24°16 | 1°50 | 26°38 | 15°57 | 1°47 | 0°18 | 2°26 | 7°D 1 | 5°35 | 10°50 | 10°27 | F 28 |
| S 29 | 21 0 33 | 13°50'42 | 27° 6 | 21°40 | 25°24 | 2°29 | 26°49 | 15°58 | 1°47 | 0°19 | 2°26 | 7° 1 | 5°32 | 10°57 | 10°27 | S 29 |
| S 30 | 21 4 30 | 14°48'23 | 10♊44 | 23°33 | 26°33 | 3° 8 | 27° 0 | 16° 0 | 1°47 | 0°20 | 2°27 | 7° 3 | 5°28 | 11° 4 | 10°28 | S 30 |
| M31 | 21 8 26 | 15♌46'06 | 24♊ 7 | 25♌25 | 27♍41 | 3♋47 | 27♊12 | 16♏ 2 | 1♐47 | 0♊21 | 2♊27 | 7♏ 4 | 5♏25 | 11♎11 | 10♉28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n26 | 20n43 | 4n 7 | 22n 8 | 1s22 | 15n26 | 1n35 | 22n41 | 0n 9 | 22n52 | 0s21 | 14s29 | 2n14 | 20s35 | 0n 6 | 18n33 | 1s38 | 9n34 | 11s17 | 23s18 | 23s20 | 7s50 | 13n31 | 1s21 |
| S 2 | 22 18 | 23 24 | 3 12 | 22 22 | 1 9 | 15 1 | 1 33 | 22 47 | 0 10 | 22 53 | 0 21 | 14 29 | 2 14 | 20 34 | 0 6 | 18 33 | 1 39 | 9 34 | 11 17 | 23 18 | 23 20 | 7 53 | 13 32 | 1 21 |
| M 3 | 22 10 | 24 39 | 2 7 | 22 36 | 0 55 | 14 36 | 1 32 | 22 52 | 0 11 | 22 54 | 0 21 | 14 29 | 2 14 | 20 34 | 0 6 | 18 34 | 1 39 | 9 34 | 11 18 | 23 18 | 23 20 | 7 55 | 13 32 | 1 22 |
| T 4 | 22 2 | 24 25 | 0 55 | 22 48 | 0 42 | 14 10 | 1 30 | 22 57 | 0 11 | 22 54 | 0 21 | 14 29 | 2 13 | 20 34 | 0 6 | 18 34 | 1 39 | 9 34 | 11 18 | 23 18 | 23 20 | 7 58 | 13 33 | 1 22 |
| W 5 | 21 54 | 22 46 | 0s18 | 22 59 | 0 29 | 13 44 | 1 28 | 23 2 | 0 12 | 22 55 | 0 21 | 14 29 | 2 13 | 20 34 | 0 6 | 18 34 | 1 39 | 9 34 | 11 18 | 23 18 | 23 21 | 8 1 | 13 33 | 1 22 |
| T 6 | 21 45 | 19 55 | 1 29 | 23 8 | 0 16 | 13 18 | 1 26 | 23 7 | 0 13 | 22 56 | 0 21 | 14 29 | 2 13 | 20 33 | 0 6 | 18 35 | 1 39 | 9 34 | 11 18 | 23 18 | 23 21 | 8 3 | 13 34 | 1 22 |
| F 7 | 21 35 | 16 9 | 2 34 | 23 15 | 0 3 | 12 51 | 1 24 | 23 11 | 0 14 | 22 57 | 0 21 | 14 30 | 2 13 | 20 33 | 0 5 | 18 35 | 1 39 | 9 34 | 11 18 | 23 18 | 23 21 | 8 6 | 13 34 | 1 22 |
| S 8 | 21 26 | 11 43 | 3 31 | 23 20 | 0n 9 | 12 24 | 1 22 | 23 16 | 0 14 | 22 58 | 0 21 | 14 30 | 2 12 | 20 33 | 0 5 | 18 35 | 1 39 | 9 34 | 11 18 | 23 18 | 23 21 | 8 8 | 13 34 | 1 22 |
| S 9 | 21 15 | 6 54 | 4 16 | 23 22 | 0 20 | 11 57 | 1 20 | 23 20 | 0 15 | 22 59 | 0 21 | 14 30 | 2 12 | 20 33 | 0 5 | 18 35 | 1 39 | 9 34 | 11 18 | 23 18 | 23 21 | 8 11 | 13 35 | 1 23 |
| M10 | 21 5 | 1 55 | 4 49 | 23 23 | 0 31 | 11 30 | 1 18 | 23 24 | 0 16 | 22 59 | 0 21 | 14 30 | 2 12 | 20 32 | 0 5 | 18 36 | 1 39 | 9 34 | 11 19 | 23 19 | 23 21 | 8 14 | 13 35 | 1 23 |
| T 11 | 20 54 | 3s 5 | 5 8 | 23 20 | 0 41 | 11 2 | 1 16 | 23 27 | 0 16 | 23 0 | 0 21 | 14 30 | 2 12 | 20 32 | 0 5 | 18 36 | 1 39 | 9 34 | 11 19 | 23 19 | 23 22 | 8 16 | 13 36 | 1 23 |
| W12 | 20 43 | 7 56 | 5 15 | 23 15 | 0 51 | 10 34 | 1 13 | 23 31 | 0 17 | 23 1 | 0 21 | 14 30 | 2 11 | 20 32 | 0 5 | 18 36 | 1 39 | 9 34 | 11 19 | 23 19 | 23 22 | 8 19 | 13 36 | 1 23 |
| T 13 | 20 32 | 12 28 | 5 7 | 23 8 | 1 0 | 10 5 | 1 11 | 23 34 | 0 18 | 23 1 | 0 21 | 14 31 | 2 11 | 20 32 | 0 5 | 18 37 | 1 39 | 9 34 | 11 19 | 23 19 | 23 22 | 8 22 | 13 36 | 1 23 |
| F 14 | 20 20 | 16 33 | 4 47 | 22 57 | 1 8 | 9 37 | 1 8 | 23 37 | 0 19 | 23 2 | 0 20 | 14 31 | 2 11 | 20 32 | 0 5 | 18 37 | 1 39 | 9 34 | 11 19 | 23 19 | 23 22 | 8 24 | 13 36 | 1 23 |
| S 15 | 20 8 | 20 1 | 4 14 | 22 44 | 1 16 | 9 8 | 1 6 | 23 40 | 0 19 | 23 3 | 0 20 | 14 31 | 2 11 | 20 31 | 0 5 | 18 37 | 1 39 | 9 34 | 11 19 | 23 19 | 23 22 | 8 27 | 13 37 | 1 24 |
| S 16 | 19 55 | 22 40 | 3 28 | 22 28 | 1 22 | 8 39 | 1 3 | 23 43 | 0 20 | 23 3 | 0 20 | 14 32 | 2 10 | 20 31 | 0 5 | 18 37 | 1 39 | 9 34 | 11 20 | 23 19 | 23 22 | 8 30 | 13 37 | 1 24 |
| M17 | 19 42 | 24 17 | 2 33 | 22 10 | 1 28 | 8 10 | 1 0 | 23 45 | 0 21 | 23 4 | 0 20 | 14 32 | 2 10 | 20 31 | 0 5 | 18 37 | 1 39 | 9 34 | 11 20 | 23 19 | 23 22 | 8 32 | 13 37 | 1 24 |
| T 18 | 19 29 | 24 41 | 1 28 | 21 49 | 1 33 | 7 41 | 0 57 | 23 47 | 0 22 | 23 4 | 0 20 | 14 32 | 2 10 | 20 31 | 0 5 | 18 38 | 1 39 | 9 34 | 11 20 | 23 19 | 23 23 | 8 35 | 13 37 | 1 24 |
| W19 | 19 15 | 23 43 | 0 16 | 21 26 | 1 37 | 7 11 | 0 54 | 23 50 | 0 22 | 23 5 | 0 20 | 14 33 | 2 10 | 20 31 | 0 5 | 18 38 | 1 39 | 9 34 | 11 20 | 23 19 | 23 23 | 8 37 | 13 38 | 1 24 |
| T 20 | 19 2 | 21 20 | 0n58 | 21 0 | 1 40 | 6 41 | 0 51 | 23 51 | 0 23 | 23 6 | 0 20 | 14 33 | 2 9 | 20 31 | 0 5 | 18 38 | 1 39 | 9 34 | 11 20 | 23 19 | 23 23 | 8 40 | 13 38 | 1 25 |
| F 21 | 18 48 | 17 39 | 2 11 | 20 33 | 1 43 | 6 12 | 0 48 | 23 53 | 0 24 | 23 6 | 0 20 | 14 34 | 2 9 | 20 31 | 0 5 | 18 38 | 1 39 | 9 34 | 11 20 | 23 19 | 23 23 | 8 43 | 13 38 | 1 25 |
| S 22 | 18 33 | 12 52 | 3 17 | 20 3 | 1 45 | 5 42 | 0 45 | 23 55 | 0 24 | 23 6 | 0 20 | 14 34 | 2 9 | 20 31 | 0 5 | 18 38 | 1 39 | 9 34 | 11 21 | 23 19 | 23 23 | 8 45 | 13 38 | 1 25 |
| S 23 | 18 18 | 7 18 | 4 11 | 19 32 | 1 46 | 5 11 | 0 42 | 23 56 | 0 25 | 23 7 | 0 20 | 14 35 | 2 8 | 20 30 | 0 5 | 18 39 | 1 39 | 9 34 | 11 21 | 23 19 | 23 23 | 8 48 | 13 38 | 1 25 |
| M24 | 18 3 | 1 18 | 4 50 | 18 59 | 1 46 | 4 41 | 0 38 | 23 57 | 0 26 | 23 7 | 0 20 | 14 36 | 2 8 | 20 30 | 0 5 | 18 39 | 1 39 | 9 34 | 11 21 | 23 19 | 23 23 | 8 50 | 13 38 | 1 25 |
| T 25 | 17 48 | 4n46 | 5 9 | 18 24 | 1 46 | 4 11 | 0 35 | 23 58 | 0 27 | 23 8 | 0 20 | 14 36 | 2 8 | 20 30 | 0 5 | 18 39 | 1 39 | 9 34 | 11 21 | 23 20 | 23 24 | 8 53 | 13 38 | 1 25 |
| W26 | 17 32 | 10 33 | 5 9 | 17 48 | 1 45 | 3 40 | 0 31 | 23 58 | 0 27 | 23 8 | 0 20 | 14 37 | 2 8 | 20 30 | 0 5 | 18 39 | 1 40 | 9 34 | 11 21 | 23 20 | 23 24 | 8 56 | 13 39 | 1 26 |
| T 27 | 17 16 | 15 40 | 4 49 | 17 11 | 1 44 | 3 10 | 0 28 | 23 59 | 0 28 | 23 9 | 0 20 | 14 37 | 2 7 | 20 30 | 0 5 | 18 39 | 1 40 | 9 34 | 11 22 | 23 20 | 23 24 | 8 58 | 13 39 | 1 26 |
| F 28 | 17 0 | 19 51 | 4 12 | 16 33 | 1 42 | 2 39 | 0 24 | 23 59 | 0 29 | 23 9 | 0 20 | 14 38 | 2 7 | 20 30 | 0 5 | 18 39 | 1 40 | 9 34 | 11 22 | 23 20 | 23 24 | 9 1 | 13 39 | 1 26 |
| S 29 | 16 44 | 22 49 | 3 20 | 15 54 | 1 39 | 2 8 | 0 20 | 23 59 | 0 30 | 23 9 | 0 19 | 14 39 | 2 7 | 20 30 | 0 5 | 18 40 | 1 40 | 9 34 | 11 22 | 23 20 | 23 24 | 9 3 | 13 39 | 1 26 |
| S 30 | 16 27 | 24 25 | 2 18 | 15 13 | 1 36 | 1 38 | 0 16 | 23 59 | 0 30 | 23 10 | 0 19 | 14 40 | 2 7 | 20 30 | 0 5 | 18 40 | 1 40 | 9 34 | 11 22 | 23 20 | 23 24 | 9 6 | 13 39 | 1 26 |
| M31 | 16n10 | 24n33 | 1n10 | 14n33 | 1n33 | 1n 7 | 0n12 | 23n59 | 0n31 | 23n10 | 0s19 | 14s40 | 2n 6 | 20s30 | 0n 5 | 18n40 | 1s40 | 9n34 | 11s22 | 23s20 | 23s24 | 9s 8 | 13n39 | 1s26 |

Julian Day Number = 2231128.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'18, Lahiri = 15°26'19 Julian Calendar 1 July 1396 == Greg. Calendar 9 July 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## AUGUST 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 12 23 | 16♌43'50 | 7♋16 | 27♌15 | 28♍49 | 4♋26 | 27♊23 | 16♏ 4 | 1°R47 | 0♊22 | 2♊28 | 7°R 4 | 5♑22 | 11♎17 | 10♉29 | T 1 |
| W 2 | 21 16 20 | 17°41'36 | 20°13 | 29° 4 | 29°58 | 5° 5 | 27°34 | 16° 6 | 1°D47 | 0°22 | 2°28 | 7♑ 4 | 5°19 | 11°24 | 10°29 | W 2 |
| T 3 | 21 20 16 | 18°39'24 | 2♌57 | 0♍52 | 1♎ 6 | 5°44 | 27°45 | 16° 8 | 1♐47 | 0°23 | 2°29 | 7° 1 | 5°16 | 11°31 | 10°29 | T 3 |
| F 4 | 21 24 13 | 19°37'13 | 15°30 | 2°38 | 2°14 | 6°23 | 27°56 | 16°10 | 1°47 | 0°24 | 2°29 | 6°56 | 5°12 | 11°38 | 10°30 | F 4 |
| S 5 | 21 28 9 | 20°35'03 | 27°53 | 4°23 | 3°21 | 7° 1 | 28° 6 | 16°12 | 1°47 | 0°25 | 2°30 | 6°50 | 5° 9 | 11°44 | 10°30 | S 5 |
| S 6 | 21 32 6 | 21°32'55 | 10♍ 6 | 6° 6 | 4°29 | 7°40 | 28°17 | 16°15 | 1°47 | 0°25 | 2°30 | 6°42 | 5° 6 | 11°51 | 10°30 | S 6 |
| M 7 | 21 36 2 | 22°30'48 | 22°10 | 7°48 | 5°37 | 8°19 | 28°28 | 16°17 | 1°47 | 0°26 | 2°30 | 6°33 | 5° 3 | 11°58 | 10°R30 | M 7 |
| T 8 | 21 39 59 | 23°28'43 | 4♎ 8 | 9°29 | 6°44 | 8°57 | 28°38 | 16°20 | 1°48 | 0°27 | 2°31 | 6°25 | 5° 0 | 12° 4 | 10°30 | T 8 |
| W 9 | 21 43 55 | 24°26'39 | 16° 0 | 11° 8 | 7°51 | 9°36 | 28°48 | 16°22 | 1°48 | 0°27 | 2°31 | 6°17 | 4°57 | 12°11 | 10°30 | W 9 |
| T 10 | 21 47 52 | 25°24'37 | 27°51 | 12°46 | 8°58 | 10°14 | 28°59 | 16°25 | 1°48 | 0°28 | 2°31 | 6°12 | 4°53 | 12°18 | 10°30 | T 10 |
| F 11 | 21 51 48 | 26°22'35 | 9♏45 | 14°23 | 10° 6 | 10°52 | 29° 9 | 16°28 | 1°49 | 0°28 | 2°32 | 6° 8 | 4°50 | 12°25 | 10°29 | F 11 |
| S 12 | 21 55 45 | 27°20'36 | 21°44 | 15°58 | 11°12 | 11°31 | 29°19 | 16°31 | 1°49 | 0°29 | 2°32 | 6° 7 | 4°47 | 12°31 | 10°29 | S 12 |
| S 13 | 21 59 42 | 28°18'37 | 3♐56 | 17°32 | 12°19 | 12° 9 | 29°29 | 16°34 | 1°50 | 0°29 | 2°32 | 6°D 7 | 4°44 | 12°38 | 10°29 | S 13 |
| M14 | 22 3 38 | 29°16'40 | 16°23 | 19° 5 | 13°26 | 12°47 | 29°39 | 16°37 | 1°50 | 0°29 | 2°33 | 6° 7 | 4°41 | 12°45 | 10°28 | M14 |
| T 15 | 22 7 35 | 0♍14'45 | 29°12 | 20°37 | 14°32 | 13°25 | 29°49 | 16°40 | 1°51 | 0°30 | 2°33 | 6° 8 | 4°38 | 12°51 | 10°28 | T 15 |
| W16 | 22 11 31 | 1°12'51 | 12♑26 | 22° 7 | 15°38 | 14° 3 | 29°58 | 16°43 | 1°52 | 0°30 | 2°33 | 6°R 8 | 4°34 | 12°58 | 10°27 | W16 |
| T 17 | 22 15 28 | 2°10'58 | 26° 7 | 23°36 | 16°45 | 14°41 | 0♋ 8 | 16°47 | 1°53 | 0°30 | 2°33 | 6° 7 | 4°31 | 13° 5 | 10°27 | T 17 |
| F 18 | 22 19 24 | 3° 9'07 | 10♒16 | 25° 4 | 17°51 | 15°19 | 0°17 | 16°50 | 1°53 | 0°31 | 2°33 | 6° 3 | 4°28 | 13°12 | 10°26 | F 18 |
| S 19 | 22 23 21 | 4° 7'18 | 24°50 | 26°30 | 18°56 | 15°56 | 0°27 | 16°54 | 1°54 | 0°31 | 2°33 | 5°56 | 4°25 | 13°18 | 10°25 | S 19 |
| S 20 | 22 27 17 | 5° 5'30 | 9♓43 | 27°55 | 20° 2 | 16°34 | 0°36 | 16°57 | 1°55 | 0°31 | 2°33 | 5°48 | 4°22 | 13°25 | 10°25 | S 20 |
| M21 | 22 31 14 | 6° 3'44 | 24°46 | 29°18 | 21° 7 | 17°12 | 0°45 | 17° 1 | 1°56 | 0°31 | 2°34 | 5°39 | 4°18 | 13°32 | 10°24 | M21 |
| T 22 | 22 35 11 | 7° 2'00 | 9♈50 | 0♎41 | 22°12 | 17°49 | 0°54 | 17° 4 | 1°57 | 0°31 | 2°34 | 5°30 | 4°15 | 13°39 | 10°23 | T 22 |
| W23 | 22 39 7 | 8° 0'18 | 24°45 | 2° 2 | 23°17 | 18°27 | 1° 3 | 17° 8 | 1°58 | 0°32 | 2°34 | 5°23 | 4°12 | 13°45 | 10°22 | W23 |
| T 24 | 22 43 4 | 8°58'38 | 9♉23 | 3°21 | 24°22 | 19° 4 | 1°11 | 17°12 | 1°59 | 0°32 | 2°R34 | 5°17 | 4° 9 | 13°52 | 10°21 | T 24 |
| F 25 | 22 47 0 | 9°57'00 | 23°41 | 4°39 | 25°27 | 19°42 | 1°20 | 17°16 | 2° 0 | 0°32 | 2°34 | 5°14 | 4° 6 | 13°59 | 10°20 | F 25 |
| S 26 | 22 50 57 | 10°55'24 | 7♊35 | 5°55 | 26°31 | 20°19 | 1°28 | 17°20 | 2° 2 | 0°R32 | 2°34 | 5°D13 | 4° 3 | 14° 5 | 10°19 | S 26 |
| S 27 | 22 54 53 | 11°53'51 | 21° 7 | 7°10 | 27°36 | 20°56 | 1°37 | 17°24 | 2° 3 | 0°32 | 2°34 | 5°13 | 3°59 | 14°12 | 10°18 | S 27 |
| M28 | 22 58 50 | 12°52'20 | 4♋18 | 8°23 | 28°40 | 21°33 | 1°45 | 17°29 | 2° 4 | 0°32 | 2°33 | 5°R14 | 3°56 | 14°19 | 10°16 | M28 |
| T 29 | 23 2 46 | 13°50'51 | 17°12 | 9°34 | 29°43 | 22°10 | 1°53 | 17°33 | 2° 5 | 0°31 | 2°33 | 5°13 | 3°53 | 14°26 | 10°15 | T 29 |
| W30 | 23 6 43 | 14°49'24 | 29°52 | 10°44 | 0♏47 | 22°47 | 2° 1 | 17°37 | 2° 7 | 0°31 | 2°33 | 5°10 | 3°50 | 14°32 | 10°14 | W30 |
| T 31 | 23 10 40 | 15♍47'59 | 12♌20 | 11♎51 | 1♏50 | 23♋24 | 2♋ 9 | 17♏42 | 2♐ 8 | 0♊31 | 2♊33 | 5♑ 5 | 3♑47 | 14♎39 | 10♉12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15n52 | 23n18 | 0s 1 | 13n51 | 1n29 | 0n36 | 0n 9 | 23n58 | 0n32 | 23n10 | 0s19 | 14s41 | 2n 6 | 20s30 | 0n 5 | 18n40 | 1s40 | 9n33 | 11s23 | 23s20 | 23s25 | 9s11 | 13n39 | 1s27 | T 1 |
| W 2 | 15 35 | 20 50 | 1 11 | 13 9 | 1 24 | 0 5 | 0 5 | 23 58 | 0 33 | 23 11 | 0 19 | 14 42 | 2 6 | 20 30 | 0 5 | 18 40 | 1 40 | 9 33 | 11 23 | 23 20 | 23 25 | 9 14 | 13 38 | 1 27 | W 2 |
| T 3 | 15 17 | 17 22 | 2 16 | 12 26 | 1 19 | 0s26 | 0 0 | 23 57 | 0 33 | 23 11 | 0 19 | 14 43 | 2 6 | 20 30 | 0 5 | 18 40 | 1 40 | 9 33 | 11 23 | 23 20 | 23 25 | 9 16 | 13 38 | 1 27 | T 3 |
| F 4 | 14 59 | 13 10 | 3 13 | 11 43 | 1 14 | 0 57 | 0s 4 | 23 56 | 0 34 | 23 11 | 0 19 | 14 44 | 2 5 | 20 30 | 0 5 | 18 40 | 1 40 | 9 33 | 11 23 | 23 20 | 23 25 | 9 19 | 13 38 | 1 27 | F 4 |
| S 5 | 14 41 | 8 30 | 4 0 | 11 0 | 1 9 | 1 28 | 0 8 | 23 55 | 0 35 | 23 11 | 0 19 | 14 44 | 2 5 | 20 30 | 0 5 | 18 40 | 1 40 | 9 33 | 11 23 | 23 20 | 23 25 | 9 21 | 13 38 | 1 27 | S 5 |
| S 6 | 14 22 | 3 34 | 4 35 | 10 17 | 1 3 | 1 58 | 0 12 | 23 53 | 0 36 | 23 11 | 0 19 | 14 45 | 2 5 | 20 30 | 0 5 | 18 40 | 1 40 | 9 33 | 11 24 | 23 21 | 23 25 | 9 24 | 13 38 | 1 28 | S 6 |
| M 7 | 14 3 | 1s26 | 4 58 | 9 33 | 0 57 | 2 29 | 0 16 | 23 52 | 0 36 | 23 12 | 0 19 | 14 46 | 2 5 | 20 30 | 0 5 | 18 41 | 1 40 | 9 33 | 11 24 | 23 21 | 23 25 | 9 26 | 13 38 | 1 28 | M 7 |
| T 8 | 13 44 | 6 20 | 5 7 | 8 49 | 0 50 | 3 0 | 0 21 | 23 50 | 0 37 | 23 12 | 0 19 | 14 47 | 2 4 | 20 30 | 0 5 | 18 41 | 1 40 | 9 33 | 11 24 | 23 22 | 23 25 | 9 29 | 13 38 | 1 28 | T 8 |
| W 9 | 13 25 | 10 58 | 5 3 | 8 5 | 0 44 | 3 31 | 0 25 | 23 48 | 0 38 | 23 12 | 0 19 | 14 48 | 2 4 | 20 30 | 0 5 | 18 41 | 1 40 | 9 32 | 11 24 | 23 22 | 23 26 | 9 31 | 13 37 | 1 28 | W 9 |
| T 10 | 13 6 | 15 11 | 4 46 | 7 21 | 0 37 | 4 1 | 0 30 | 23 46 | 0 39 | 23 12 | 0 19 | 14 49 | 2 4 | 20 31 | 0 5 | 18 41 | 1 40 | 9 32 | 11 24 | 23 22 | 23 26 | 9 34 | 13 37 | 1 28 | T 10 |
| F 11 | 12 46 | 18 50 | 4 16 | 6 38 | 0 30 | 4 32 | 0 34 | 23 44 | 0 39 | 23 12 | 0 19 | 14 50 | 2 4 | 20 31 | 0 5 | 18 41 | 1 40 | 9 32 | 11 25 | 23 23 | 23 26 | 9 37 | 13 37 | 1 29 | F 11 |
| S 12 | 12 26 | 21 43 | 3 35 | 5 54 | 0 23 | 5 3 | 0 39 | 23 41 | 0 40 | 23 12 | 0 19 | 14 51 | 2 3 | 20 31 | 0 5 | 18 41 | 1 40 | 9 32 | 11 25 | 23 23 | 23 26 | 9 39 | 13 37 | 1 29 | S 12 |
| S 13 | 12 6 | 23 41 | 2 44 | 5 10 | 0 15 | 5 33 | 0 43 | 23 38 | 0 41 | 23 12 | 0 19 | 14 52 | 2 3 | 20 31 | 0 5 | 18 41 | 1 40 | 9 32 | 11 25 | 23 23 | 23 26 | 9 42 | 13 36 | 1 29 | S 13 |
| M14 | 11 46 | 24 33 | 1 44 | 4 27 | 0 8 | 6 3 | 0 48 | 23 36 | 0 42 | 23 13 | 0 18 | 14 54 | 2 3 | 20 31 | 0 5 | 18 41 | 1 40 | 9 32 | 11 25 | 23 23 | 23 26 | 9 44 | 13 36 | 1 29 | M14 |
| T 15 | 11 25 | 24 8 | 0 37 | 3 44 | 0s 0 | 6 34 | 0 53 | 23 33 | 0 42 | 23 13 | 0 18 | 14 55 | 2 3 | 20 31 | 0 5 | 18 41 | 1 41 | 9 32 | 11 25 | 23 22 | 23 26 | 9 47 | 13 36 | 1 29 | T 15 |
| W16 | 11 5 | 22 23 | 0n34 | 3 1 | 0 8 | 7 4 | 0 58 | 23 29 | 0 43 | 23 13 | 0 18 | 14 56 | 2 3 | 20 31 | 0 5 | 18 41 | 1 41 | 9 31 | 11 26 | 23 22 | 23 26 | 9 49 | 13 35 | 1 29 | W16 |
| T 17 | 10 44 | 19 17 | 1 45 | 2 18 | 0 16 | 7 34 | 1 2 | 23 26 | 0 44 | 23 13 | 0 18 | 14 57 | 2 2 | 20 31 | 0 5 | 18 41 | 1 41 | 9 31 | 11 26 | 23 23 | 23 26 | 9 52 | 13 35 | 1 30 | T 17 |
| F 18 | 10 23 | 14 58 | 2 52 | 1 36 | 0 24 | 8 3 | 1 7 | 23 23 | 0 45 | 23 13 | 0 18 | 14 58 | 2 2 | 20 32 | 0 5 | 18 41 | 1 41 | 9 31 | 11 26 | 23 23 | 23 27 | 9 54 | 13 35 | 1 30 | F 18 |
| S 19 | 10 2 | 9 41 | 3 50 | 0 54 | 0 32 | 8 33 | 1 12 | 23 19 | 0 46 | 23 13 | 0 18 | 14 59 | 2 2 | 20 32 | 0 5 | 18 41 | 1 41 | 9 31 | 11 26 | 23 23 | 23 27 | 9 57 | 13 34 | 1 30 | S 19 |
| S 20 | 9 41 | 3 44 | 4 33 | 0 13 | 0 41 | 9 3 | 1 17 | 23 15 | 0 46 | 23 13 | 0 18 | 15 1 | 2 2 | 20 32 | 0 5 | 18 41 | 1 41 | 9 31 | 11 26 | 23 23 | 23 27 | 9 59 | 13 34 | 1 30 | S 20 |
| M21 | 9 19 | 2n29 | 4 58 | 0s28 | 0 49 | 9 32 | 1 22 | 23 11 | 0 47 | 23 13 | 0 18 | 15 2 | 2 1 | 20 32 | 0 5 | 18 41 | 1 41 | 9 30 | 11 27 | 23 24 | 23 27 | 10 2 | 13 33 | 1 30 | M21 |
| T 22 | 8 57 | 8 33 | 5 3 | 1 9 | 0 57 | 10 1 | 1 27 | 23 7 | 0 48 | 23 13 | 0 18 | 15 3 | 2 1 | 20 32 | 0 5 | 18 41 | 1 41 | 9 30 | 11 27 | 23 24 | 23 27 | 10 4 | 13 33 | 1 31 | T 22 |
| W23 | 8 36 | 14 3 | 4 47 | 1 49 | 1 6 | 10 30 | 1 32 | 23 3 | 0 49 | 23 13 | 0 18 | 15 4 | 2 1 | 20 33 | 0 5 | 18 41 | 1 41 | 9 30 | 11 27 | 23 24 | 23 27 | 10 7 | 13 33 | 1 31 | W23 |
| T 24 | 8 14 | 18 39 | 4 12 | 2 28 | 1 14 | 10 59 | 1 37 | 22 58 | 0 49 | 23 13 | 0 18 | 15 6 | 2 1 | 20 33 | 0 5 | 18 41 | 1 41 | 9 30 | 11 27 | 23 25 | 23 27 | 10 9 | 13 32 | 1 31 | T 24 |
| F 25 | 7 52 | 22 1 | 3 22 | 3 7 | 1 23 | 11 27 | 1 42 | 22 54 | 0 50 | 23 13 | 0 18 | 15 7 | 2 0 | 20 33 | 0 5 | 18 41 | 1 41 | 9 30 | 11 27 | 23 25 | 23 27 | 10 12 | 13 32 | 1 31 | F 25 |
| S 26 | 7 30 | 23 58 | 2 22 | 3 45 | 1 31 | 11 55 | 1 47 | 22 49 | 0 51 | 23 13 | 0 18 | 15 8 | 2 0 | 20 33 | 0 5 | 18 41 | 1 41 | 9 29 | 11 28 | 23 25 | 23 27 | 10 14 | 13 31 | 1 31 | S 26 |
| S 27 | 7 7 | 24 27 | 1 14 | 4 22 | 1 39 | 12 23 | 1 52 | 22 44 | 0 52 | 23 13 | 0 18 | 15 10 | 2 0 | 20 34 | 0 5 | 18 41 | 1 41 | 9 29 | 11 28 | 23 25 | 23 27 | 10 17 | 13 30 | 1 31 | S 27 |
| M28 | 6 45 | 23 32 | 0 5 | 4 59 | 1 48 | 12 51 | 1 57 | 22 39 | 0 53 | 23 13 | 0 18 | 15 11 | 2 0 | 20 34 | 0 5 | 18 41 | 1 41 | 9 29 | 11 28 | 23 25 | 23 28 | 10 19 | 13 30 | 1 32 | M28 |
| T 29 | 6 22 | 21 22 | 1s 3 | 5 35 | 1 56 | 13 19 | 2 2 | 22 34 | 0 53 | 23 13 | 0 18 | 15 13 | 2 0 | 20 34 | 0 5 | 18 41 | 1 41 | 9 29 | 11 28 | 23 25 | 23 28 | 10 22 | 13 29 | 1 32 | T 29 |
| W30 | 6 0 | 18 11 | 2 7 | 6 10 | 2 4 | 13 46 | 2 7 | 22 29 | 0 54 | 23 13 | 0 17 | 15 14 | 1 59 | 20 35 | 0 5 | 18 41 | 1 41 | 9 29 | 11 28 | 23 25 | 23 28 | 10 24 | 13 29 | 1 32 | W30 |
| T 31 | 5n37 | 14n14 | 3s 3 | 6s43 | 2s12 | 14s13 | 2s12 | 22n23 | 0n55 | 23n13 | 0s17 | 15s15 | 1n59 | 20s35 | 0n 5 | 18n40 | 1s41 | 9n28 | 11s29 | 23s25 | 23s28 | 10s27 | 13n28 | 1s32 | T 31 |

Julian Day Number = 2231159.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'22, Lahiri = 15°26'23 Julian Calendar 1 Aug. 1396 == Greg. Calendar 9 Aug. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## SEPTEMBER 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 14 36 | 16♍46'36 | 24♌38 | 12♎57 | 2♏53 | 24♋ 1 | 2♋17 | 17♏46 | 2♐10 | 0°R31 | 2°R33 | 4°R57 | 3♑43 | 14♎46 | 10°R11 | F 1 |
| S 2 | 23 18 33 | 17°45'16 | 6♍48 | 14° 0 | 3°56 | 24°38 | 2°24 | 17°51 | 2°11 | 0♊31 | 2♊33 | 4♑46 | 3°40 | 14°52 | 10♉ 9 | S 2 |
| S 3 | 23 22 29 | 18°43'57 | 18°51 | 15° 0 | 4°59 | 25°15 | 2°31 | 17°55 | 2°13 | 0°30 | 2°33 | 4°34 | 3°37 | 14°59 | 10° 8 | S 3 |
| M 4 | 23 26 26 | 19°42'40 | 0♎49 | 15°59 | 6° 1 | 25°51 | 2°39 | 18° 0 | 2°15 | 0°30 | 2°32 | 4°20 | 3°34 | 15° 6 | 10° 6 | M 4 |
| T 5 | 23 30 22 | 20°41'26 | 12°43 | 16°54 | 7° 3 | 26°28 | 2°46 | 18° 5 | 2°16 | 0°30 | 2°32 | 4° 6 | 3°31 | 15°13 | 10° 4 | T 5 |
| W 6 | 23 34 19 | 21°40'13 | 24°34 | 17°47 | 8° 5 | 27° 4 | 2°53 | 18°10 | 2°18 | 0°30 | 2°32 | 3°54 | 3°28 | 15°19 | 10° 3 | W 6 |
| T 7 | 23 38 15 | 22°39'02 | 6♏24 | 18°36 | 9° 7 | 27°41 | 3° 0 | 18°15 | 2°20 | 0°29 | 2°32 | 3°44 | 3°24 | 15°26 | 10° 1 | T 7 |
| F 8 | 23 42 12 | 23°37'53 | 18°17 | 19°22 | 10° 8 | 28°17 | 3° 6 | 18°20 | 2°22 | 0°29 | 2°31 | 3°37 | 3°21 | 15°33 | 9°59 | F 8 |
| S 9 | 23 46 9 | 24°36'46 | 0♐15 | 20° 5 | 11° 9 | 28°53 | 3°13 | 18°25 | 2°24 | 0°28 | 2°31 | 3°32 | 3°18 | 15°39 | 9°57 | S 9 |
| S 10 | 23 50 5 | 25°35'40 | 12°24 | 20°43 | 12° 9 | 29°29 | 3°19 | 18°30 | 2°25 | 0°28 | 2°31 | 3°30 | 3°15 | 15°46 | 9°55 | S 10 |
| M11 | 23 54 2 | 26°34'37 | 24°47 | 21°17 | 13° 9 | 0♌ 5 | 3°25 | 18°35 | 2°27 | 0°27 | 2°30 | 3°30 | 3°12 | 15°53 | 9°53 | M11 |
| T 12 | 23 57 58 | 27°33'35 | 7♑30 | 21°46 | 14° 9 | 0°41 | 3°31 | 18°40 | 2°29 | 0°27 | 2°30 | 3°30 | 3° 9 | 16° 0 | 9°51 | T 12 |
| W13 | 0 1 55 | 28°32'35 | 20°39 | 22°10 | 15° 9 | 1°17 | 3°37 | 18°45 | 2°31 | 0°26 | 2°30 | 3°29 | 3° 5 | 16° 6 | 9°49 | W13 |
| T 14 | 0 5 51 | 29°31'36 | 4♒15 | 22°28 | 16° 8 | 1°53 | 3°43 | 18°51 | 2°34 | 0°25 | 2°29 | 3°26 | 3° 2 | 16°13 | 9°47 | T 14 |
| F 15 | 0 9 48 | 0♎30'40 | 18°22 | 22°40 | 17° 6 | 2°29 | 3°48 | 18°56 | 2°36 | 0°25 | 2°29 | 3°21 | 2°59 | 16°20 | 9°45 | F 15 |
| S 16 | 0 13 44 | 1°29'45 | 2♓58 | 22°R46 | 18° 5 | 3° 4 | 3°54 | 19° 2 | 2°38 | 0°24 | 2°28 | 3°14 | 2°56 | 16°27 | 9°42 | S 16 |
| S 17 | 0 17 41 | 2°28'52 | 17°58 | 22°45 | 19° 3 | 3°40 | 3°59 | 19° 7 | 2°40 | 0°23 | 2°28 | 3° 4 | 2°53 | 16°33 | 9°40 | S 17 |
| M18 | 0 21 38 | 3°28'01 | 3♈13 | 22°37 | 20° 0 | 4°15 | 4° 4 | 19°13 | 2°42 | 0°23 | 2°27 | 2°53 | 2°49 | 16°40 | 9°38 | M18 |
| T 19 | 0 25 34 | 4°27'12 | 18°33 | 22°21 | 20°57 | 4°50 | 4° 9 | 19°18 | 2°45 | 0°22 | 2°27 | 2°42 | 2°46 | 16°47 | 9°35 | T 19 |
| W20 | 0 29 31 | 5°26'26 | 3♉46 | 21°57 | 21°54 | 5°26 | 4°14 | 19°24 | 2°47 | 0°21 | 2°26 | 2°32 | 2°43 | 16°53 | 9°33 | W20 |
| T 21 | 0 33 27 | 6°25'41 | 18°42 | 21°25 | 22°50 | 6° 1 | 4°18 | 19°30 | 2°49 | 0°20 | 2°26 | 2°24 | 2°40 | 17° 0 | 9°30 | T 21 |
| F 22 | 0 37 24 | 7°24'59 | 3♊14 | 20°45 | 23°45 | 6°36 | 4°23 | 19°36 | 2°52 | 0°19 | 2°25 | 2°20 | 2°37 | 17° 7 | 9°28 | F 22 |
| S 23 | 0 41 20 | 8°24'20 | 17°18 | 19°58 | 24°40 | 7°11 | 4°27 | 19°42 | 2°54 | 0°19 | 2°24 | 2°18 | 2°34 | 17°14 | 9°25 | S 23 |
| S 24 | 0 45 17 | 9°23'43 | 0♋54 | 19° 2 | 25°35 | 7°46 | 4°31 | 19°47 | 2°57 | 0°18 | 2°24 | 2°D17 | 2°30 | 17°20 | 9°23 | S 24 |
| M25 | 0 49 13 | 10°23'08 | 14° 5 | 18° 1 | 26°29 | 8°20 | 4°35 | 19°53 | 2°59 | 0°17 | 2°23 | 2°R17 | 2°27 | 17°27 | 9°20 | M25 |
| T 26 | 0 53 10 | 11°22'35 | 26°54 | 16°54 | 27°22 | 8°55 | 4°38 | 19°59 | 3° 2 | 0°16 | 2°23 | 2°16 | 2°24 | 17°34 | 9°18 | T 26 |
| W27 | 0 57 7 | 12°22'05 | 9♌26 | 15°43 | 28°15 | 9°30 | 4°42 | 20° 5 | 3° 5 | 0°15 | 2°22 | 2°14 | 2°21 | 17°40 | 9°15 | W27 |
| T 28 | 1 1 3 | 13°21'37 | 21°44 | 14°30 | 29° 7 | 10° 4 | 4°45 | 20°12 | 3° 7 | 0°14 | 2°21 | 2° 8 | 2°18 | 17°47 | 9°12 | T 28 |
| F 29 | 1 5 0 | 14°21'11 | 3♍52 | 13°17 | 29°58 | 10°39 | 4°48 | 20°18 | 3°10 | 0°13 | 2°20 | 2° 0 | 2°15 | 17°54 | 9° 9 | F 29 |
| S 30 | 1 8 56 | 15♎20'47 | 15♍53 | 12♎ 6 | 0♐49 | 11♌13 | 4♋51 | 20♏24 | 3♐13 | 0♊12 | 2♊20 | 1♑49 | 2♑11 | 18♎ 1 | 9♉ 7 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5n14 | 9n44 | 3s50 | 7s16 | 2s20 | 14s40 | 2s17 | 22n17 | 0n56 | 23n13 | 0s17 | 15s17 | 1n59 | 20s35 | 0n 5 | 18n40 | 1s41 | 9n28 | 11s29 | 23s25 | 23s28 | 10s29 | 13n27 | 1s32 |
| S 2 | 4 51 | 4 56 | 4 26 | 7 48 | 2 28 | 15 6 | 2 22 | 22 12 | 0 57 | 23 12 | 0 17 | 15 18 | 1 59 | 20 35 | 0 5 | 18 40 | 1 41 | 9 28 | 11 29 | 23 26 | 23 28 | 10 32 | 13 27 | 1 33 |
| S 3 | 4 28 | 0s 1 | 4 49 | 8 19 | 2 35 | 15 32 | 2 27 | 22 6 | 0 57 | 23 12 | 0 17 | 15 20 | 1 59 | 20 36 | 0 5 | 18 40 | 1 42 | 9 28 | 11 29 | 23 26 | 23 28 | 10 34 | 13 26 | 1 33 |
| M 4 | 4 5 | 4 54 | 5 0 | 8 48 | 2 42 | 15 58 | 2 33 | 22 0 | 0 58 | 23 12 | 0 17 | 15 21 | 1 58 | 20 36 | 0 5 | 18 40 | 1 42 | 9 27 | 11 29 | 23 27 | 23 28 | 10 37 | 13 25 | 1 33 |
| T 5 | 3 42 | 9 35 | 4 57 | 9 16 | 2 50 | 16 24 | 2 38 | 21 54 | 0 59 | 23 12 | 0 17 | 15 23 | 1 58 | 20 36 | 0 5 | 18 40 | 1 42 | 9 27 | 11 30 | 23 27 | 23 28 | 10 39 | 13 25 | 1 33 |
| W 6 | 3 19 | 13 54 | 4 41 | 9 43 | 2 56 | 16 49 | 2 43 | 21 47 | 1 0 | 23 12 | 0 17 | 15 24 | 1 58 | 20 37 | 0 5 | 18 40 | 1 42 | 9 27 | 11 30 | 23 28 | 23 28 | 10 42 | 13 24 | 1 33 |
| T 7 | 2 56 | 17 41 | 4 14 | 10 8 | 3 3 | 17 13 | 2 48 | 21 41 | 1 1 | 23 12 | 0 17 | 15 26 | 1 58 | 20 37 | 0 5 | 18 40 | 1 42 | 9 27 | 11 30 | 23 28 | 23 28 | 10 44 | 13 23 | 1 33 |
| F 8 | 2 32 | 20 46 | 3 35 | 10 31 | 3 9 | 17 38 | 2 53 | 21 35 | 1 1 | 23 12 | 0 17 | 15 27 | 1 58 | 20 38 | 0 5 | 18 40 | 1 42 | 9 26 | 11 30 | 23 28 | 23 29 | 10 46 | 13 23 | 1 34 |
| S 9 | 2 9 | 22 58 | 2 46 | 10 52 | 3 15 | 18 2 | 2 58 | 21 28 | 1 2 | 23 12 | 0 17 | 15 29 | 1 57 | 20 38 | 0 5 | 18 39 | 1 42 | 9 26 | 11 30 | 23 28 | 23 29 | 10 49 | 13 22 | 1 34 |
| S 10 | 1 45 | 24 9 | 1 49 | 11 12 | 3 20 | 18 26 | 3 3 | 21 21 | 1 3 | 23 12 | 0 17 | 15 31 | 1 57 | 20 38 | 0 5 | 18 39 | 1 42 | 9 26 | 11 31 | 23 28 | 23 29 | 10 51 | 13 21 | 1 34 |
| M11 | 1 22 | 24 11 | 0 46 | 11 29 | 3 24 | 18 49 | 3 7 | 21 14 | 1 4 | 23 12 | 0 17 | 15 32 | 1 57 | 20 39 | 0 5 | 18 39 | 1 42 | 9 26 | 11 31 | 23 28 | 23 29 | 10 54 | 13 20 | 1 34 |
| T 12 | 0 58 | 22 57 | 0n21 | 11 44 | 3 28 | 19 12 | 3 12 | 21 7 | 1 5 | 23 12 | 0 17 | 15 34 | 1 57 | 20 39 | 0 5 | 18 39 | 1 42 | 9 25 | 11 31 | 23 28 | 23 29 | 10 56 | 13 19 | 1 34 |
| W13 | 0 35 | 20 27 | 1 29 | 11 56 | 3 32 | 19 34 | 3 17 | 21 0 | 1 6 | 23 12 | 0 17 | 15 35 | 1 57 | 20 40 | 0 5 | 18 39 | 1 42 | 9 25 | 11 31 | 23 28 | 23 29 | 10 59 | 13 19 | 1 34 |
| T 14 | 0 11 | 16 45 | 2 35 | 12 5 | 3 34 | 19 56 | 3 22 | 20 53 | 1 6 | 23 11 | 0 17 | 15 37 | 1 57 | 20 40 | 0 5 | 18 39 | 1 42 | 9 25 | 11 31 | 23 28 | 23 29 | 11 1 | 13 18 | 1 35 |
| F 15 | 0s12 | 11 59 | 3 33 | 12 11 | 3 36 | 20 18 | 3 27 | 20 46 | 1 7 | 23 11 | 0 16 | 15 39 | 1 56 | 20 40 | 0 5 | 18 38 | 1 42 | 9 25 | 11 32 | 23 29 | 23 29 | 11 3 | 13 17 | 1 35 |
| S 16 | 0 36 | 6 25 | 4 20 | 12 14 | 3 37 | 20 39 | 3 31 | 20 38 | 1 8 | 23 11 | 0 16 | 15 40 | 1 56 | 20 41 | 0 5 | 18 38 | 1 42 | 9 24 | 11 32 | 23 29 | 23 29 | 11 6 | 13 16 | 1 35 |
| S 17 | 0 59 | 0 20 | 4 50 | 12 13 | 3 36 | 21 0 | 3 36 | 20 31 | 1 9 | 23 11 | 0 16 | 15 42 | 1 56 | 20 41 | 0 5 | 18 38 | 1 42 | 9 24 | 11 32 | 23 29 | 23 29 | 11 8 | 13 15 | 1 35 |
| M18 | 1 23 | 5n52 | 5 0 | 12 8 | 3 34 | 21 20 | 3 41 | 20 23 | 1 10 | 23 11 | 0 16 | 15 44 | 1 56 | 20 42 | 0 4 | 18 38 | 1 42 | 9 24 | 11 32 | 23 29 | 23 29 | 11 11 | 13 14 | 1 35 |
| T 19 | 1 47 | 11 44 | 4 49 | 12 0 | 3 31 | 21 40 | 3 45 | 20 16 | 1 11 | 23 11 | 0 16 | 15 45 | 1 56 | 20 42 | 0 4 | 18 38 | 1 42 | 9 24 | 11 32 | 23 29 | 23 29 | 11 13 | 13 13 | 1 35 |
| W20 | 2 10 | 16 50 | 4 17 | 11 46 | 3 27 | 22 0 | 3 50 | 20 8 | 1 11 | 23 11 | 0 16 | 15 47 | 1 55 | 20 43 | 0 4 | 18 37 | 1 42 | 9 23 | 11 32 | 23 30 | 23 29 | 11 16 | 13 13 | 1 36 |
| T 21 | 2 34 | 20 47 | 3 28 | 11 28 | 3 20 | 22 18 | 3 54 | 20 0 | 1 12 | 23 11 | 0 16 | 15 49 | 1 55 | 20 43 | 0 4 | 18 37 | 1 42 | 9 23 | 11 33 | 23 30 | 23 29 | 11 18 | 13 12 | 1 36 |
| F 22 | 2 57 | 23 16 | 2 27 | 11 6 | 3 12 | 22 37 | 3 58 | 19 52 | 1 13 | 23 11 | 0 16 | 15 50 | 1 55 | 20 44 | 0 4 | 18 37 | 1 42 | 9 23 | 11 33 | 23 30 | 23 30 | 11 20 | 13 11 | 1 36 |
| S 23 | 3 21 | 24 13 | 1 18 | 10 38 | 3 2 | 22 55 | 4 3 | 19 44 | 1 14 | 23 11 | 0 16 | 15 52 | 1 55 | 20 44 | 0 4 | 18 37 | 1 42 | 9 23 | 11 33 | 23 30 | 23 30 | 11 23 | 13 10 | 1 36 |
| S 24 | 3 44 | 23 38 | 0 7 | 10 7 | 2 51 | 23 12 | 4 7 | 19 36 | 1 15 | 23 11 | 0 16 | 15 54 | 1 55 | 20 45 | 0 4 | 18 37 | 1 43 | 9 22 | 11 33 | 23 30 | 23 30 | 11 25 | 13 9 | 1 36 |
| M25 | 4 8 | 21 45 | 1s 2 | 9 30 | 2 37 | 23 29 | 4 11 | 19 27 | 1 16 | 23 11 | 0 16 | 15 56 | 1 55 | 20 45 | 0 4 | 18 36 | 1 43 | 9 22 | 11 33 | 23 30 | 23 30 | 11 28 | 13 8 | 1 36 |
| T 26 | 4 31 | 18 47 | 2 6 | 8 50 | 2 22 | 23 46 | 4 15 | 19 19 | 1 17 | 23 10 | 0 16 | 15 57 | 1 55 | 20 46 | 0 4 | 18 36 | 1 43 | 9 22 | 11 33 | 23 30 | 23 30 | 11 30 | 13 7 | 1 36 |
| W27 | 4 54 | 15 1 | 3 3 | 8 7 | 2 4 | 24 2 | 4 19 | 19 11 | 1 18 | 23 10 | 0 16 | 15 59 | 1 54 | 20 46 | 0 4 | 18 36 | 1 43 | 9 21 | 11 34 | 23 30 | 23 30 | 11 32 | 13 6 | 1 37 |
| T 28 | 5 17 | 10 41 | 3 50 | 7 22 | 1 46 | 24 17 | 4 22 | 19 2 | 1 18 | 23 10 | 0 16 | 16 1 | 1 54 | 20 47 | 0 4 | 18 36 | 1 43 | 9 21 | 11 34 | 23 30 | 23 30 | 11 35 | 13 5 | 1 37 |
| F 29 | 5 41 | 6 0 | 4 25 | 6 35 | 1 26 | 24 32 | 4 26 | 18 54 | 1 19 | 23 10 | 0 15 | 16 3 | 1 54 | 20 47 | 0 4 | 18 35 | 1 43 | 9 21 | 11 34 | 23 30 | 23 30 | 11 37 | 13 4 | 1 37 |
| S 30 | 6s 4 | 1n 9 | 4s49 | 5s49 | 1s 6 | 24s47 | 4s29 | 18n45 | 1n20 | 23n10 | 0s15 | 16s 5 | 1n54 | 20s48 | 0n 4 | 18n35 | 1s43 | 9n21 | 11s34 | 23s30 | 23s30 | 11s39 | 13n 3 | 1s37 |

Julian Day Number = 2231190.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'27, Lahiri = 15°26'27 Julian Calendar 1 Sept. 1396 == Greg. Calendar 9 Sept. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## OCTOBER 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 12 53 | 16♎20'26 | 27♍49 | 10°R59 | 1♐39 | 11♌47 | 4♋54 | 20♏30 | 3♐15 | 0°R10 | 2°R19 | 1°R36 | 2♉ 8 | 18♎ 7 | 9°R 4 | S 1 |
| M 2 | 1 16 49 | 17°20'06 | 9♎42 | 9♎58 | 2°29 | 12°21 | 4°56 | 20°36 | 3°18 | 0♊ 9 | 2♊18 | 1♉22 | 2° 5 | 18°14 | 9♉ 1 | M 2 |
| T 3 | 1 20 46 | 18°19'49 | 21°34 | 9° 5 | 3°17 | 12°55 | 4°59 | 20°43 | 3°21 | 0° 8 | 2°18 | 1° 8 | 2° 2 | 18°21 | 8°58 | T 3 |
| W 4 | 1 24 42 | 19°19'34 | 3♏26 | 8°21 | 4° 5 | 13°29 | 5° 1 | 20°49 | 3°24 | 0° 7 | 2°17 | 0°56 | 1°59 | 18°27 | 8°55 | W 4 |
| T 5 | 1 28 39 | 20°19'21 | 15°18 | 7°48 | 4°52 | 14° 3 | 5° 3 | 20°55 | 3°27 | 0° 6 | 2°16 | 0°45 | 1°55 | 18°34 | 8°52 | T 5 |
| F 6 | 1 32 35 | 21°19'09 | 27°15 | 7°25 | 5°38 | 14°36 | 5° 5 | 21° 2 | 3°30 | 0° 5 | 2°15 | 0°38 | 1°52 | 18°41 | 8°49 | F 6 |
| S 7 | 1 36 32 | 22°19'00 | 9♐17 | 7°D14 | 6°24 | 15°10 | 5° 6 | 21° 8 | 3°33 | 0° 3 | 2°14 | 0°33 | 1°49 | 18°48 | 8°46 | S 7 |
| S 8 | 1 40 29 | 23°18'52 | 21°27 | 7°15 | 7° 8 | 15°43 | 5° 8 | 21°15 | 3°36 | 0° 2 | 2°13 | 0°31 | 1°46 | 18°54 | 8°43 | S 8 |
| M 9 | 1 44 25 | 24°18'46 | 3♑51 | 7°26 | 7°51 | 16°16 | 5° 9 | 21°21 | 3°39 | 0° 1 | 2°13 | 0°D30 | 1°43 | 19° 1 | 8°40 | M 9 |
| T 10 | 1 48 22 | 25°18'42 | 16°32 | 7°48 | 8°34 | 16°50 | 5°10 | 21°28 | 3°42 | 29♉59 | 2°12 | 0°31 | 1°40 | 19° 8 | 8°37 | T 10 |
| W11 | 1 52 18 | 26°18'40 | 29°34 | 8°20 | 9°15 | 17°23 | 5°11 | 21°35 | 3°45 | 29°58 | 2°11 | 0°R31 | 1°36 | 19°14 | 8°34 | W11 |
| T 12 | 1 56 15 | 27°18'39 | 13♒ 2 | 9° 0 | 9°55 | 17°56 | 5°11 | 21°41 | 3°48 | 29°57 | 2°10 | 0°30 | 1°33 | 19°21 | 8°31 | T 12 |
| F 13 | 2 0 11 | 28°18'39 | 26°58 | 9°49 | 10°34 | 18°28 | 5°11 | 21°48 | 3°51 | 29°55 | 2° 9 | 0°27 | 1°30 | 19°28 | 8°28 | F 13 |
| S 14 | 2 4 8 | 29°18'41 | 11♓23 | 10°45 | 11°12 | 19° 1 | 5°R12 | 21°55 | 3°54 | 29°54 | 2° 8 | 0°21 | 1°27 | 19°35 | 8°25 | S 14 |
| S 15 | 2 8 4 | 0♏18'45 | 26°13 | 11°47 | 11°49 | 19°33 | 5°12 | 22° 1 | 3°57 | 29°53 | 2° 7 | 0°13 | 1°24 | 19°41 | 8°22 | S 15 |
| M16 | 2 12 1 | 1°18'51 | 11♈22 | 12°55 | 12°24 | 20° 6 | 5°11 | 22° 8 | 4° 1 | 29°51 | 2° 6 | 0° 4 | 1°20 | 19°48 | 8°19 | M16 |
| T 17 | 2 15 58 | 2°18'58 | 26°40 | 14° 8 | 12°58 | 20°38 | 5°11 | 22°15 | 4° 4 | 29°50 | 2° 5 | 29♐55 | 1°17 | 19°55 | 8°16 | T 17 |
| W18 | 2 19 54 | 3°19'07 | 11♉57 | 15°24 | 13°30 | 21°10 | 5°10 | 22°22 | 4° 7 | 29°48 | 2° 4 | 29°47 | 1°14 | 20° 1 | 8°13 | W18 |
| T 19 | 2 23 51 | 4°19'18 | 27° 1 | 16°45 | 14° 1 | 21°42 | 5°10 | 22°29 | 4°10 | 29°47 | 2° 3 | 29°41 | 1°11 | 20° 8 | 8°10 | T 19 |
| F 20 | 2 27 47 | 5°19'31 | 11♊44 | 18° 8 | 14°31 | 22°14 | 5° 9 | 22°35 | 4°14 | 29°45 | 2° 2 | 29°37 | 1° 8 | 20°15 | 8° 6 | F 20 |
| S 21 | 2 31 44 | 6°19'46 | 26° 0 | 19°34 | 14°59 | 22°46 | 5° 7 | 22°42 | 4°17 | 29°44 | 2° 1 | 29°D36 | 1° 5 | 20°22 | 8° 3 | S 21 |
| S 22 | 2 35 40 | 7°20'03 | 9♋46 | 21° 2 | 15°25 | 23°17 | 5° 6 | 22°49 | 4°20 | 29°42 | 2° 0 | 29°36 | 1° 1 | 20°28 | 8° 0 | S 22 |
| M23 | 2 39 37 | 8°20'23 | 23° 5 | 22°31 | 15°50 | 23°49 | 5° 4 | 22°56 | 4°24 | 29°41 | 1°59 | 29°37 | 0°58 | 20°35 | 7°57 | M23 |
| T 24 | 2 43 33 | 9°20'44 | 5♌58 | 24° 2 | 16°13 | 24°20 | 5° 3 | 23° 3 | 4°27 | 29°39 | 1°58 | 29°R38 | 0°55 | 20°42 | 7°54 | T 24 |
| W25 | 2 47 30 | 10°21'07 | 18°31 | 25°34 | 16°34 | 24°51 | 5° 1 | 23°10 | 4°31 | 29°37 | 1°57 | 29°38 | 0°52 | 20°49 | 7°51 | W25 |
| T 26 | 2 51 27 | 11°21'31 | 0♍47 | 27° 7 | 16°53 | 25°22 | 4°58 | 23°17 | 4°34 | 29°36 | 1°56 | 29°36 | 0°49 | 20°55 | 7°48 | T 26 |
| F 27 | 2 55 23 | 12°21'58 | 12°51 | 28°41 | 17°10 | 25°53 | 4°56 | 23°24 | 4°37 | 29°34 | 1°55 | 29°31 | 0°46 | 21° 2 | 7°44 | F 27 |
| S 28 | 2 59 20 | 13°22'27 | 24°48 | 0♏15 | 17°25 | 26°24 | 4°53 | 23°31 | 4°41 | 29°33 | 1°54 | 29°25 | 0°42 | 21° 9 | 7°41 | S 28 |
| S 29 | 3 3 16 | 14°22'57 | 6♎40 | 1°50 | 17°38 | 26°54 | 4°50 | 23°38 | 4°44 | 29°31 | 1°53 | 29°17 | 0°39 | 21°15 | 7°38 | S 29 |
| M30 | 3 7 13 | 15°23'30 | 18°31 | 3°25 | 17°49 | 27°24 | 4°47 | 23°45 | 4°48 | 29°29 | 1°52 | 29° 8 | 0°36 | 21°22 | 7°35 | M30 |
| T 31 | 3 11 9 | 16♏24'04 | 0♏23 | 5♏ 0 | 17♐58 | 27♌54 | 4♋44 | 23♏52 | 4♐51 | 29♉28 | 1♊51 | 29♐ 0 | 0♉33 | 21♎29 | 7♉32 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6s27 | 3s43 | 5s 0 | 5s 3 | 0s45 | 25s 1 | 4s33 | 18n36 | 1n21 | 23n10 | 0s15 | 16s 6 | 1n54 | 20s48 | 0n 4 | 18n35 | 1s43 | 9n20 | 11s34 | 23s30 | 23s30 | 11s42 | 13n 2 | 1s37 |
| M 2 | 6 50 | 8 24 | 4 57 | 4 20 | 0 25 | 25 14 | 4 36 | 18 28 | 1 22 | 23 10 | 0 15 | 16 8 | 1 54 | 20 49 | 0 4 | 18 34 | 1 43 | 9 20 | 11 34 | 23 31 | 23 30 | 11 44 | 13 1 | 1 37 |
| T 3 | 7 13 | 12 47 | 4 42 | 3 41 | 0 5 | 25 27 | 4 39 | 18 19 | 1 23 | 23 10 | 0 15 | 16 10 | 1 54 | 20 49 | 0 4 | 18 34 | 1 43 | 9 20 | 11 34 | 23 31 | 23 30 | 11 47 | 13 0 | 1 37 |
| W 4 | 7 35 | 16 41 | 4 14 | 3 6 | 0n15 | 25 39 | 4 42 | 18 10 | 1 24 | 23 10 | 0 15 | 16 12 | 1 53 | 20 50 | 0 4 | 18 34 | 1 43 | 9 20 | 11 35 | 23 31 | 23 30 | 11 49 | 12 59 | 1 38 |
| T 5 | 7 58 | 19 55 | 3 35 | 2 36 | 0 33 | 25 51 | 4 45 | 18 1 | 1 25 | 23 10 | 0 15 | 16 13 | 1 53 | 20 51 | 0 4 | 18 34 | 1 43 | 9 19 | 11 35 | 23 31 | 23 30 | 11 51 | 12 58 | 1 38 |
| F 6 | 8 21 | 22 19 | 2 47 | 2 12 | 0 49 | 26 2 | 4 48 | 17 52 | 1 26 | 23 10 | 0 15 | 16 15 | 1 53 | 20 51 | 0 4 | 18 33 | 1 43 | 9 19 | 11 35 | 23 31 | 23 30 | 11 54 | 12 57 | 1 38 |
| S 7 | 8 43 | 23 44 | 1 50 | 1 54 | 1 5 | 26 13 | 4 50 | 17 43 | 1 27 | 23 10 | 0 15 | 16 17 | 1 53 | 20 52 | 0 4 | 18 33 | 1 43 | 9 19 | 11 35 | 23 31 | 23 30 | 11 56 | 12 56 | 1 38 |
| S 8 | 9 5 | 24 2 | 0 48 | 1 41 | 1 18 | 26 23 | 4 53 | 17 34 | 1 27 | 23 10 | 0 15 | 16 19 | 1 53 | 20 52 | 0 4 | 18 33 | 1 43 | 9 18 | 11 35 | 23 31 | 23 30 | 11 58 | 12 54 | 1 38 |
| M 9 | 9 27 | 23 10 | 0n18 | 1 35 | 1 30 | 26 32 | 4 55 | 17 25 | 1 28 | 23 10 | 0 15 | 16 21 | 1 53 | 20 53 | 0 4 | 18 32 | 1 43 | 9 18 | 11 35 | 23 31 | 23 30 | 12 1 | 12 53 | 1 38 |
| T 10 | 9 49 | 21 6 | 1 24 | 1 34 | 1 40 | 26 41 | 4 57 | 17 16 | 1 29 | 23 10 | 0 15 | 16 23 | 1 53 | 20 53 | 0 4 | 18 32 | 1 43 | 9 18 | 11 35 | 23 31 | 23 30 | 12 3 | 12 52 | 1 38 |
| W11 | 10 11 | 17 53 | 2 28 | 1 39 | 1 49 | 26 49 | 4 59 | 17 7 | 1 30 | 23 10 | 0 15 | 16 24 | 1 53 | 20 54 | 0 4 | 18 32 | 1 43 | 9 18 | 11 35 | 23 31 | 23 30 | 12 5 | 12 51 | 1 38 |
| T 12 | 10 33 | 13 39 | 3 26 | 1 48 | 1 56 | 26 57 | 5 0 | 16 57 | 1 31 | 23 11 | 0 14 | 16 26 | 1 52 | 20 55 | 0 4 | 18 32 | 1 43 | 9 17 | 11 36 | 23 31 | 23 31 | 12 8 | 12 50 | 1 39 |
| F 13 | 10 55 | 8 34 | 4 14 | 2 2 | 2 2 | 27 4 | 5 1 | 16 48 | 1 32 | 23 11 | 0 14 | 16 28 | 1 52 | 20 55 | 0 4 | 18 31 | 1 43 | 9 17 | 11 36 | 23 31 | 23 31 | 12 10 | 12 49 | 1 39 |
| S 14 | 11 16 | 2 53 | 4 48 | 2 21 | 2 6 | 27 11 | 5 3 | 16 39 | 1 33 | 23 11 | 0 14 | 16 30 | 1 52 | 20 56 | 0 4 | 18 31 | 1 43 | 9 17 | 11 36 | 23 31 | 23 31 | 12 12 | 12 48 | 1 39 |
| S 15 | 11 37 | 3n 8 | 5 4 | 2 42 | 2 9 | 27 17 | 5 3 | 16 29 | 1 34 | 23 11 | 0 14 | 16 32 | 1 52 | 20 56 | 0 4 | 18 31 | 1 43 | 9 16 | 11 36 | 23 31 | 23 31 | 12 15 | 12 47 | 1 39 |
| M16 | 11 58 | 9 5 | 4 59 | 3 7 | 2 10 | 27 23 | 5 4 | 16 20 | 1 35 | 23 11 | 0 14 | 16 33 | 1 52 | 20 57 | 0 4 | 18 30 | 1 43 | 9 16 | 11 36 | 23 31 | 23 31 | 12 17 | 12 46 | 1 39 |
| T 17 | 12 19 | 14 33 | 4 32 | 3 35 | 2 11 | 27 28 | 5 4 | 16 11 | 1 36 | 23 11 | 0 14 | 16 35 | 1 52 | 20 58 | 0 4 | 18 30 | 1 43 | 9 16 | 11 36 | 23 31 | 23 31 | 12 19 | 12 45 | 1 39 |
| W18 | 12 40 | 19 4 | 3 46 | 4 5 | 2 11 | 27 32 | 5 4 | 16 1 | 1 37 | 23 11 | 0 14 | 16 37 | 1 52 | 20 58 | 0 4 | 18 30 | 1 43 | 9 16 | 11 36 | 23 31 | 23 31 | 12 22 | 12 43 | 1 39 |
| T 19 | 13 0 | 22 14 | 2 45 | 4 37 | 2 9 | 27 36 | 5 4 | 15 52 | 1 38 | 23 11 | 0 14 | 16 39 | 1 52 | 20 59 | 0 4 | 18 29 | 1 43 | 9 15 | 11 36 | 23 31 | 23 31 | 12 24 | 12 42 | 1 39 |
| F 20 | 13 20 | 23 50 | 1 34 | 5 10 | 2 7 | 27 39 | 5 4 | 15 42 | 1 39 | 23 11 | 0 14 | 16 41 | 1 52 | 21 0 | 0 4 | 18 29 | 1 43 | 9 15 | 11 36 | 23 31 | 23 31 | 12 26 | 12 41 | 1 39 |
| S 21 | 13 40 | 23 47 | 0 19 | 5 45 | 2 5 | 27 41 | 5 3 | 15 33 | 1 40 | 23 11 | 0 14 | 16 43 | 1 52 | 21 0 | 0 4 | 18 29 | 1 43 | 9 15 | 11 36 | 23 31 | 23 31 | 12 28 | 12 40 | 1 40 |
| S 22 | 14 0 | 22 15 | 0s54 | 6 21 | 2 1 | 27 43 | 5 2 | 15 23 | 1 41 | 23 12 | 0 14 | 16 44 | 1 51 | 21 1 | 0 4 | 18 28 | 1 43 | 9 15 | 11 36 | 23 31 | 23 31 | 12 31 | 12 39 | 1 40 |
| M23 | 14 20 | 19 31 | 2 3 | 6 58 | 1 58 | 27 44 | 5 0 | 15 14 | 1 42 | 23 12 | 0 13 | 16 46 | 1 51 | 21 1 | 0 4 | 18 28 | 1 43 | 9 14 | 11 37 | 23 31 | 23 31 | 12 33 | 12 38 | 1 40 |
| T 24 | 14 39 | 15 53 | 3 3 | 7 36 | 1 53 | 27 45 | 4 59 | 15 4 | 1 43 | 23 12 | 0 13 | 16 48 | 1 51 | 21 2 | 0 4 | 18 28 | 1 43 | 9 14 | 11 37 | 23 31 | 23 31 | 12 35 | 12 37 | 1 40 |
| W25 | 14 58 | 11 39 | 3 52 | 8 14 | 1 49 | 27 45 | 4 56 | 14 55 | 1 44 | 23 12 | 0 13 | 16 50 | 1 51 | 21 3 | 0 4 | 18 27 | 1 43 | 9 14 | 11 37 | 23 31 | 23 31 | 12 38 | 12 36 | 1 40 |
| T 26 | 15 17 | 7 1 | 4 30 | 8 52 | 1 43 | 27 44 | 4 54 | 14 45 | 1 45 | 23 12 | 0 13 | 16 52 | 1 51 | 21 3 | 0 4 | 18 27 | 1 43 | 9 14 | 11 37 | 23 31 | 23 31 | 12 40 | 12 35 | 1 40 |
| F 27 | 15 36 | 2 13 | 4 55 | 9 31 | 1 38 | 27 43 | 4 51 | 14 36 | 1 46 | 23 12 | 0 13 | 16 54 | 1 51 | 21 4 | 0 4 | 18 26 | 1 43 | 9 13 | 11 37 | 23 31 | 23 31 | 12 42 | 12 34 | 1 40 |
| S 28 | 15 54 | 2s37 | 5 7 | 10 9 | 1 32 | 27 41 | 4 47 | 14 26 | 1 47 | 23 13 | 0 13 | 16 55 | 1 51 | 21 5 | 0 4 | 18 26 | 1 43 | 9 13 | 11 37 | 23 31 | 23 31 | 12 44 | 12 32 | 1 40 |
| S 29 | 16 12 | 7 19 | 5 5 | 10 48 | 1 26 | 27 39 | 4 43 | 14 17 | 1 48 | 23 13 | 0 13 | 16 57 | 1 51 | 21 5 | 0 4 | 18 26 | 1 43 | 9 13 | 11 37 | 23 31 | 23 31 | 12 47 | 12 31 | 1 40 |
| M30 | 16 30 | 11 45 | 4 51 | 11 26 | 1 20 | 27 35 | 4 39 | 14 7 | 1 49 | 23 13 | 0 13 | 16 59 | 1 51 | 21 6 | 0 4 | 18 25 | 1 43 | 9 13 | 11 37 | 23 31 | 23 31 | 12 49 | 12 30 | 1 40 |
| T 31 | 16s48 | 15s45 | 4s23 | 12s 4 | 1n14 | 27s31 | 4s34 | 13n58 | 1n50 | 23n13 | 0s13 | 17s 1 | 1n51 | 21s 7 | 0n 4 | 18n25 | 1s43 | 9n12 | 11s37 | 23s31 | 23s31 | 12s51 | 12n29 | 1s40 |

Julian Day Number = 2231220.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'31, Lahiri = 15°26'31 Julian Calendar 1 Oct. 1396 == Greg. Calendar 9 Oct. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## NOVEMBER 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 15 6 | 17♏24'39 | 12♏18 | 6♏35 | 18♐ 5 | 28♌24 | 4°R41 | 23♏59 | 4♐55 | 29°R26 | 1°R50 | 28°R52 | 0♑30 | 21♎36 | 7°R29 | W 1 |
| T 2 | 3 19 2 | 18°25'17 | 24°17 | 8°11 | 18° 9 | 28°54 | 4♋37 | 24° 6 | 4°59 | 29♉24 | 1♊48 | 28♐45 | 0°26 | 21°42 | 7♉26 | T 2 |
| F 3 | 3 22 59 | 19°25'55 | 6♐22 | 9°46 | 18°R11 | 29°24 | 4°34 | 24°13 | 5° 2 | 29°23 | 1°47 | 28°41 | 0°23 | 21°49 | 7°23 | F 3 |
| S 4 | 3 26 56 | 20°26'35 | 18°35 | 11°21 | 18°10 | 29°53 | 4°30 | 24°20 | 5° 6 | 29°21 | 1°46 | 28°38 | 0°20 | 21°56 | 7°20 | S 4 |
| S 5 | 3 30 52 | 21°27'17 | 0♑57 | 12°57 | 18° 8 | 0♍22 | 4°26 | 24°27 | 5° 9 | 29°19 | 1°45 | 28°D38 | 0°17 | 22° 2 | 7°17 | S 5 |
| M 6 | 3 34 49 | 22°28'00 | 13°30 | 14°32 | 18° 2 | 0°51 | 4°21 | 24°34 | 5°13 | 29°18 | 1°44 | 28°39 | 0°14 | 22° 9 | 7°13 | M 6 |
| T 7 | 3 38 45 | 23°28'44 | 26°17 | 16° 7 | 17°54 | 1°20 | 4°17 | 24°42 | 5°17 | 29°16 | 1°43 | 28°40 | 0°11 | 22°16 | 7°10 | T 7 |
| W 8 | 3 42 42 | 24°29'28 | 9♒22 | 17°42 | 17°44 | 1°49 | 4°12 | 24°49 | 5°20 | 29°14 | 1°42 | 28°42 | 0° 7 | 22°23 | 7° 8 | W 8 |
| T 9 | 3 46 38 | 25°30'14 | 22°47 | 19°17 | 17°31 | 2°17 | 4° 7 | 24°56 | 5°24 | 29°13 | 1°41 | 28°R43 | 0° 4 | 22°29 | 7° 5 | T 9 |
| F 10 | 3 50 35 | 26°31'01 | 6♓33 | 20°52 | 17°16 | 2°46 | 4° 2 | 25° 3 | 5°27 | 29°11 | 1°39 | 28°42 | 0° 1 | 22°36 | 7° 2 | F 10 |
| S 11 | 3 54 31 | 27°31'49 | 20°42 | 22°27 | 16°59 | 3°14 | 3°57 | 25°10 | 5°31 | 29° 9 | 1°38 | 28°40 | 29♐58 | 22°43 | 6°59 | S 11 |
| S 12 | 3 58 28 | 28°32'38 | 5♈12 | 24° 1 | 16°39 | 3°41 | 3°52 | 25°17 | 5°35 | 29° 8 | 1°37 | 28°37 | 29°55 | 22°49 | 6°56 | S 12 |
| M13 | 4 2 25 | 29°33'28 | 20° 0 | 25°36 | 16°16 | 4° 9 | 3°46 | 25°24 | 5°38 | 29° 6 | 1°36 | 28°33 | 29°52 | 22°56 | 6°53 | M13 |
| T 14 | 4 6 21 | 0♐34'18 | 4♉59 | 27°10 | 15°52 | 4°36 | 3°41 | 25°31 | 5°42 | 29° 4 | 1°35 | 28°29 | 29°48 | 23° 3 | 6°50 | T 14 |
| W15 | 4 10 18 | 1°35'10 | 20° 0 | 28°45 | 15°25 | 5° 4 | 3°35 | 25°38 | 5°46 | 29° 3 | 1°34 | 28°25 | 29°45 | 23° 9 | 6°47 | W15 |
| T 16 | 4 14 14 | 2°36'03 | 4♊55 | 0♐19 | 14°57 | 5°30 | 3°29 | 25°45 | 5°49 | 29° 1 | 1°33 | 28°22 | 29°42 | 23°16 | 6°45 | T 16 |
| F 17 | 4 18 11 | 3°36'57 | 19°35 | 1°53 | 14°27 | 5°57 | 3°23 | 25°52 | 5°53 | 28°59 | 1°32 | 28°21 | 29°39 | 23°23 | 6°42 | F 17 |
| S 18 | 4 22 7 | 4°37'52 | 3♋54 | 3°28 | 13°55 | 6°24 | 3°16 | 25°59 | 5°57 | 28°57 | 1°30 | 28°D21 | 29°36 | 23°30 | 6°39 | S 18 |
| S 19 | 4 26 4 | 5°38'49 | 17°47 | 5° 2 | 13°22 | 6°50 | 3°10 | 26° 6 | 6° 0 | 28°56 | 1°29 | 28°22 | 29°32 | 23°36 | 6°36 | S 19 |
| M20 | 4 30 0 | 6°39'46 | 1♌13 | 6°36 | 12°48 | 7°16 | 3° 4 | 26°13 | 6° 4 | 28°54 | 1°28 | 28°23 | 29°29 | 23°43 | 6°34 | M20 |
| T 21 | 4 33 57 | 7°40'45 | 14°15 | 8°10 | 12°13 | 7°41 | 2°57 | 26°20 | 6° 8 | 28°52 | 1°27 | 28°25 | 29°26 | 23°50 | 6°31 | T 21 |
| W22 | 4 37 54 | 8°41'44 | 26°53 | 9°45 | 11°37 | 8° 7 | 2°50 | 26°27 | 6°11 | 28°51 | 1°26 | 28°26 | 29°23 | 23°56 | 6°29 | W22 |
| T 23 | 4 41 50 | 9°42'45 | 9♍13 | 11°19 | 11° 0 | 8°32 | 2°43 | 26°34 | 6°15 | 28°49 | 1°25 | 28°R26 | 29°20 | 24° 3 | 6°26 | T 23 |
| F 24 | 4 45 47 | 10°43'47 | 21°19 | 12°53 | 10°24 | 8°57 | 2°36 | 26°41 | 6°19 | 28°47 | 1°24 | 28°26 | 29°17 | 24°10 | 6°24 | F 24 |
| S 25 | 4 49 43 | 11°44'50 | 3♎16 | 14°28 | 9°48 | 9°22 | 2°29 | 26°48 | 6°22 | 28°46 | 1°22 | 28°25 | 29°13 | 24°17 | 6°21 | S 25 |
| S 26 | 4 53 40 | 12°45'54 | 15° 7 | 16° 3 | 9°12 | 9°46 | 2°22 | 26°55 | 6°26 | 28°44 | 1°21 | 28°23 | 29°10 | 24°23 | 6°19 | S 26 |
| M27 | 4 57 36 | 13°46'59 | 26°58 | 17°37 | 8°36 | 10°10 | 2°15 | 27° 2 | 6°30 | 28°42 | 1°20 | 28°21 | 29° 7 | 24°30 | 6°17 | M27 |
| T 28 | 5 1 33 | 14°48'05 | 8♏52 | 19°12 | 8° 1 | 10°34 | 2° 7 | 27° 9 | 6°33 | 28°41 | 1°19 | 28°18 | 29° 4 | 24°37 | 6°14 | T 28 |
| W29 | 5 5 29 | 15°49'12 | 20°51 | 20°47 | 7°28 | 10°57 | 2° 0 | 27°16 | 6°37 | 28°39 | 1°18 | 28°16 | 29° 1 | 24°43 | 6°12 | W29 |
| T 30 | 5 9 26 | 16♐50'20 | 2♐58 | 22♐22 | 6♐55 | 11♍20 | 1♋52 | 27♏23 | 6♐41 | 28♉38 | 1♊17 | 28♐15 | 28♐58 | 24♎50 | 6♉10 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17s 5 | 19s 8 | 3s45 | 12s42 | 1n 7 | 27s27 | 4s29 | 13n48 | 1n51 | 23n13 | 0s13 | 17s 3 | 1n51 | 21s 7 | 0n 4 | 18n25 | 1s44 | 9n12 | 11s37 | 23s31 | 23s31 | 12s53 | 12n28 | 1s41 |
| T 2 | 17 22 | 21 44 | 2 55 | 13 19 | 1 1 | 27 21 | 4 23 | 13 39 | 1 52 | 23 14 | 0 12 | 17 4 | 1 51 | 21 8 | 0 4 | 18 24 | 1 44 | 9 12 | 11 37 | 23 31 | 23 31 | 12 56 | 12 27 | 1 41 |
| F 3 | 17 39 | 23 23 | 1 58 | 13 56 | 0 54 | 27 15 | 4 17 | 13 29 | 1 53 | 23 14 | 0 12 | 17 6 | 1 51 | 21 9 | 0 4 | 18 24 | 1 44 | 9 12 | 11 37 | 23 31 | 23 31 | 12 58 | 12 26 | 1 41 |
| S 4 | 17 55 | 23 56 | 0 54 | 14 32 | 0 47 | 27 8 | 4 10 | 13 20 | 1 55 | 23 14 | 0 12 | 17 8 | 1 51 | 21 9 | 0 4 | 18 24 | 1 44 | 9 11 | 11 37 | 23 31 | 23 31 | 13 0 | 12 25 | 1 41 |
| S 5 | 18 11 | 23 18 | 0n13 | 15 8 | 0 41 | 27 1 | 4 2 | 13 11 | 1 56 | 23 14 | 0 12 | 17 10 | 1 50 | 21 10 | 0 4 | 18 23 | 1 44 | 9 11 | 11 37 | 23 31 | 23 31 | 13 2 | 12 24 | 1 41 |
| M 6 | 18 27 | 21 30 | 1 20 | 15 43 | 0 34 | 26 52 | 3 54 | 13 1 | 1 57 | 23 15 | 0 12 | 17 11 | 1 50 | 21 11 | 0 4 | 18 23 | 1 44 | 9 11 | 11 37 | 23 31 | 23 31 | 13 5 | 12 23 | 1 41 |
| T 7 | 18 42 | 18 35 | 2 25 | 16 17 | 0 27 | 26 43 | 3 46 | 12 52 | 1 58 | 23 15 | 0 12 | 17 13 | 1 50 | 21 11 | 0 4 | 18 22 | 1 44 | 9 11 | 11 37 | 23 31 | 23 31 | 13 7 | 12 22 | 1 41 |
| W 8 | 18 57 | 14 41 | 3 24 | 16 51 | 0 20 | 26 33 | 3 37 | 12 43 | 1 59 | 23 15 | 0 12 | 17 15 | 1 50 | 21 12 | 0 4 | 18 22 | 1 44 | 9 11 | 11 37 | 23 31 | 23 31 | 13 9 | 12 21 | 1 41 |
| T 9 | 19 12 | 9 58 | 4 14 | 17 24 | 0 13 | 26 22 | 3 27 | 12 34 | 2 0 | 23 15 | 0 12 | 17 17 | 1 50 | 21 12 | 0 4 | 18 22 | 1 44 | 9 10 | 11 37 | 23 31 | 23 31 | 13 11 | 12 20 | 1 41 |
| F 10 | 19 26 | 4 39 | 4 50 | 17 56 | 0 6 | 26 10 | 3 17 | 12 25 | 2 1 | 23 16 | 0 12 | 17 18 | 1 50 | 21 13 | 0 4 | 18 21 | 1 44 | 9 10 | 11 37 | 23 31 | 23 31 | 13 14 | 12 19 | 1 41 |
| S 11 | 19 40 | 1n 3 | 5 10 | 18 27 | 0s 0 | 25 58 | 3 6 | 12 15 | 2 2 | 23 16 | 0 12 | 17 20 | 1 50 | 21 14 | 0 4 | 18 21 | 1 44 | 9 10 | 11 37 | 23 31 | 23 31 | 13 16 | 12 18 | 1 41 |
| S 12 | 19 54 | 6 49 | 5 11 | 18 57 | 0 7 | 25 44 | 2 55 | 12 6 | 2 4 | 23 16 | 0 11 | 17 22 | 1 50 | 21 14 | 0 4 | 18 21 | 1 44 | 9 10 | 11 37 | 23 31 | 23 31 | 13 18 | 12 17 | 1 41 |
| M13 | 20 7 | 12 20 | 4 51 | 19 27 | 0 14 | 25 30 | 2 43 | 11 57 | 2 5 | 23 17 | 0 11 | 17 24 | 1 50 | 21 15 | 0 4 | 18 20 | 1 44 | 9 10 | 11 37 | 23 31 | 23 31 | 13 20 | 12 16 | 1 41 |
| T 14 | 20 20 | 17 11 | 4 12 | 19 55 | 0 20 | 25 15 | 2 30 | 11 48 | 2 6 | 23 17 | 0 11 | 17 25 | 1 50 | 21 16 | 0 4 | 18 20 | 1 44 | 9 9 | 11 37 | 23 31 | 23 31 | 13 22 | 12 15 | 1 41 |
| W15 | 20 33 | 20 56 | 3 15 | 20 23 | 0 27 | 24 59 | 2 17 | 11 39 | 2 7 | 23 17 | 0 11 | 17 27 | 1 50 | 21 16 | 0 4 | 18 20 | 1 43 | 9 9 | 11 37 | 23 30 | 23 31 | 13 25 | 12 14 | 1 41 |
| T 16 | 20 45 | 23 14 | 2 5 | 20 50 | 0 33 | 24 43 | 2 4 | 11 31 | 2 8 | 23 17 | 0 11 | 17 29 | 1 50 | 21 17 | 0 4 | 18 19 | 1 43 | 9 9 | 11 37 | 23 30 | 23 31 | 13 27 | 12 13 | 1 41 |
| F 17 | 20 57 | 23 54 | 0 48 | 21 15 | 0 40 | 24 26 | 1 50 | 11 22 | 2 10 | 23 18 | 0 11 | 17 30 | 1 50 | 21 18 | 0 4 | 18 19 | 1 43 | 9 9 | 11 37 | 23 30 | 23 31 | 13 29 | 12 12 | 1 42 |
| S 18 | 21 8 | 22 57 | 0s31 | 21 40 | 0 46 | 24 8 | 1 35 | 11 13 | 2 11 | 23 18 | 0 11 | 17 32 | 1 50 | 21 18 | 0 4 | 18 19 | 1 43 | 9 9 | 11 37 | 23 30 | 23 31 | 13 31 | 12 11 | 1 42 |
| S 19 | 21 19 | 20 36 | 1 45 | 22 3 | 0 52 | 23 49 | 1 21 | 11 5 | 2 12 | 23 18 | 0 11 | 17 34 | 1 50 | 21 19 | 0 4 | 18 18 | 1 43 | 9 9 | 11 37 | 23 30 | 23 31 | 13 33 | 12 10 | 1 42 |
| M20 | 21 30 | 17 10 | 2 51 | 22 26 | 0 58 | 23 30 | 1 6 | 10 56 | 2 13 | 23 18 | 0 10 | 17 35 | 1 50 | 21 20 | 0 4 | 18 18 | 1 43 | 9 8 | 11 37 | 23 30 | 23 31 | 13 36 | 12 9 | 1 42 |
| T 21 | 21 40 | 13 0 | 3 47 | 22 47 | 1 4 | 23 10 | 0 51 | 10 47 | 2 15 | 23 19 | 0 10 | 17 37 | 1 50 | 21 20 | 0 4 | 18 17 | 1 43 | 9 8 | 11 37 | 23 30 | 23 31 | 13 38 | 12 8 | 1 42 |
| W22 | 21 49 | 8 22 | 4 29 | 23 8 | 1 9 | 22 50 | 0 35 | 10 39 | 2 16 | 23 19 | 0 10 | 17 39 | 1 50 | 21 21 | 0 4 | 18 17 | 1 43 | 9 8 | 11 36 | 23 30 | 23 31 | 13 40 | 12 7 | 1 42 |
| T 23 | 21 59 | 3 32 | 4 58 | 23 27 | 1 15 | 22 29 | 0 20 | 10 31 | 2 17 | 23 19 | 0 10 | 17 40 | 1 50 | 21 22 | 0 4 | 18 17 | 1 43 | 9 8 | 11 36 | 23 30 | 23 31 | 13 42 | 12 6 | 1 42 |
| F 24 | 22 8 | 1s21 | 5 13 | 23 45 | 1 20 | 22 9 | 0 4 | 10 23 | 2 18 | 23 20 | 0 10 | 17 42 | 1 50 | 21 22 | 0 4 | 18 16 | 1 43 | 9 8 | 11 36 | 23 30 | 23 31 | 13 44 | 12 6 | 1 42 |
| S 25 | 22 16 | 6 6 | 5 15 | 24 1 | 1 25 | 21 48 | 0n12 | 10 14 | 2 20 | 23 20 | 0 10 | 17 43 | 1 50 | 21 23 | 0 4 | 18 16 | 1 43 | 9 8 | 11 36 | 23 30 | 23 31 | 13 46 | 12 5 | 1 42 |
| S 26 | 22 24 | 10 37 | 5 2 | 24 17 | 1 30 | 21 27 | 0 27 | 10 6 | 2 21 | 23 20 | 0 10 | 17 45 | 1 50 | 21 24 | 0 4 | 18 16 | 1 43 | 9 8 | 11 36 | 23 30 | 23 31 | 13 49 | 12 4 | 1 42 |
| M27 | 22 32 | 14 44 | 4 37 | 24 31 | 1 35 | 21 6 | 0 43 | 9 58 | 2 22 | 23 20 | 0 10 | 17 46 | 1 50 | 21 24 | 0 4 | 18 15 | 1 43 | 9 7 | 11 36 | 23 30 | 23 31 | 13 51 | 12 3 | 1 42 |
| T 28 | 22 39 | 18 17 | 4 0 | 24 44 | 1 39 | 20 46 | 0 58 | 9 51 | 2 24 | 23 21 | 0 9 | 17 48 | 1 50 | 21 25 | 0 4 | 18 15 | 1 43 | 9 7 | 11 36 | 23 30 | 23 31 | 13 53 | 12 2 | 1 42 |
| W29 | 22 46 | 21 7 | 3 12 | 24 55 | 1 43 | 20 26 | 1 13 | 9 43 | 2 25 | 23 21 | 0 9 | 17 50 | 1 50 | 21 25 | 0 4 | 18 15 | 1 43 | 9 7 | 11 36 | 23 30 | 23 31 | 13 55 | 12 2 | 1 42 |
| T 30 | 22s52 | 23s 2 | 2s15 | 25s 5 | 1s47 | 20s 6 | 1n28 | 9n35 | 2n26 | 23n21 | 0s 9 | 17s51 | 1n50 | 21s26 | 0n 4 | 18n14 | 1s43 | 9n 7 | 11s36 | 23s30 | 23s31 | 13s57 | 12n 1 | 1s42 |

Julian Day Number = 2231251.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'04, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'35, Lahiri = 15°26'35 Julian Calendar 1 Nov. 1396 == Greg. Calendar 9 Nov. 1396


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# ASTRODIENST EPHEMERIS for the year 1396
# geocentric

## DECEMBER 1396 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 13 23 | 17♐51'28 | 15♐16 | 23♐57 | 6°R24 | 11♍43 | 1°R44 | 27♏29 | 6♐44 | 28°R36 | 1°R16 | 28°R14 | 28♐54 | 24♎57 | 6°R 8 | F 1 |
| S 2 | 5 17 19 | 18°52'37 | 27°44 | 25°33 | 5♐55 | 12° 6 | 1♋37 | 27°36 | 6°48 | 28♉34 | 1♊15 | 28°D14 | 28°51 | 25° 4 | 6♉ 6 | S 2 |
| S 3 | 5 21 16 | 19°53'46 | 10♑24 | 27° 8 | 5°28 | 12°28 | 1°29 | 27°43 | 6°51 | 28°33 | 1°14 | 28♐14 | 28°48 | 25°10 | 6° 3 | S 3 |
| M 4 | 5 25 12 | 20°54'56 | 23°17 | 28°44 | 5° 2 | 12°50 | 1°21 | 27°50 | 6°55 | 28°31 | 1°13 | 28°14 | 28°45 | 25°17 | 6° 1 | M 4 |
| T 5 | 5 29 9 | 21°56'06 | 6♒23 | 0♑20 | 4°39 | 13°11 | 1°13 | 27°56 | 6°59 | 28°30 | 1°11 | 28°15 | 28°42 | 25°24 | 5°59 | T 5 |
| W 6 | 5 33 5 | 22°57'16 | 19°43 | 1°55 | 4°18 | 13°32 | 1° 5 | 28° 3 | 7° 2 | 28°28 | 1°10 | 28°16 | 28°38 | 25°30 | 5°58 | W 6 |
| T 7 | 5 37 2 | 23°58'27 | 3♓16 | 3°31 | 3°59 | 13°53 | 0°57 | 28°10 | 7° 6 | 28°27 | 1° 9 | 28°16 | 28°35 | 25°37 | 5°56 | T 7 |
| F 8 | 5 40 59 | 24°59'37 | 17° 3 | 5° 7 | 3°42 | 14°13 | 0°49 | 28°16 | 7° 9 | 28°25 | 1° 8 | 28°16 | 28°32 | 25°44 | 5°54 | F 8 |
| S 9 | 5 44 55 | 26° 0'47 | 1♈ 5 | 6°43 | 3°28 | 14°33 | 0°41 | 28°23 | 7°13 | 28°24 | 1° 7 | 28°R16 | 28°29 | 25°51 | 5°52 | S 9 |
| S 10 | 5 48 52 | 27° 1'57 | 15°18 | 8°20 | 3°17 | 14°53 | 0°33 | 28°29 | 7°16 | 28°22 | 1° 6 | 28°16 | 28°26 | 25°57 | 5°51 | S 10 |
| M11 | 5 52 48 | 28° 3'07 | 29°42 | 9°56 | 3° 7 | 15°12 | 0°25 | 28°36 | 7°20 | 28°21 | 1° 5 | 28°D16 | 28°23 | 26° 4 | 5°49 | M11 |
| T 12 | 5 56 45 | 29° 4'17 | 14♉13 | 11°31 | 3° 1 | 15°31 | 0°17 | 28°42 | 7°23 | 28°20 | 1° 4 | 28°16 | 28°19 | 26°11 | 5°47 | T 12 |
| W13 | 6 0 41 | 0♑ 5'27 | 28°46 | 13° 7 | 2°56 | 15°50 | 0° 8 | 28°49 | 7°27 | 28°18 | 1° 3 | 28°16 | 28°16 | 26°17 | 5°46 | W13 |
| T 14 | 6 4 38 | 1° 6'37 | 13♊15 | 14°42 | 2°D55 | 16° 8 | 0° 0 | 28°55 | 7°30 | 28°17 | 1° 2 | 28°17 | 28°13 | 26°24 | 5°44 | T 14 |
| F 15 | 6 8 34 | 2° 7'47 | 27°36 | 16°17 | 2°55 | 16°25 | 29♊52 | 29° 1 | 7°34 | 28°15 | 1° 1 | 28°R17 | 28°10 | 26°31 | 5°43 | F 15 |
| S 16 | 6 12 31 | 3° 8'57 | 11♋42 | 17°52 | 2°59 | 16°42 | 29°44 | 29° 8 | 7°37 | 28°14 | 1° 0 | 28°17 | 28° 7 | 26°38 | 5°42 | S 16 |
| S 17 | 6 16 28 | 4°10'07 | 25°29 | 19°25 | 3° 4 | 16°59 | 29°36 | 29°14 | 7°41 | 28°13 | 0°59 | 28°16 | 28° 4 | 26°44 | 5°40 | S 17 |
| M18 | 6 20 24 | 5°11'17 | 8♌55 | 20°58 | 3°12 | 17°15 | 29°28 | 29°20 | 7°44 | 28°11 | 0°59 | 28°15 | 28° 0 | 26°51 | 5°39 | M18 |
| T 19 | 6 24 21 | 6°12'27 | 22° 0 | 22°30 | 3°22 | 17°31 | 29°20 | 29°26 | 7°47 | 28°10 | 0°58 | 28°14 | 27°57 | 26°58 | 5°38 | T 19 |
| W20 | 6 28 17 | 7°13'37 | 4♍43 | 24° 0 | 3°34 | 17°47 | 29°12 | 29°32 | 7°51 | 28° 9 | 0°57 | 28°13 | 27°54 | 27° 4 | 5°37 | W20 |
| T 21 | 6 32 14 | 8°14'47 | 17° 7 | 25°28 | 3°49 | 18° 1 | 29° 4 | 29°38 | 7°54 | 28° 8 | 0°56 | 28°12 | 27°51 | 27°11 | 5°36 | T 21 |
| F 22 | 6 36 10 | 9°15'57 | 29°17 | 26°54 | 4° 6 | 18°16 | 28°56 | 29°44 | 7°57 | 28° 7 | 0°55 | 28°11 | 27°48 | 27°18 | 5°35 | F 22 |
| S 23 | 6 40 7 | 10°17'07 | 11♎15 | 28°17 | 4°24 | 18°30 | 28°48 | 29°50 | 8° 0 | 28° 5 | 0°54 | 28°D11 | 27°44 | 27°24 | 5°34 | S 23 |
| S 24 | 6 44 3 | 11°18'17 | 23° 7 | 29°38 | 4°45 | 18°43 | 28°40 | 29°56 | 8° 4 | 28° 4 | 0°53 | 28°12 | 27°41 | 27°31 | 5°33 | S 24 |
| M25 | 6 48 0 | 12°19'27 | 4♏59 | 0♒55 | 5° 7 | 18°56 | 28°33 | 0♐ 2 | 8° 7 | 28° 3 | 0°52 | 28°12 | 27°38 | 27°38 | 5°32 | M25 |
| T 26 | 6 51 57 | 13°20'37 | 16°53 | 2° 7 | 5°32 | 19° 8 | 28°25 | 0° 8 | 8°10 | 28° 2 | 0°52 | 28°14 | 27°35 | 27°45 | 5°32 | T 26 |
| W27 | 6 55 53 | 14°21'47 | 28°55 | 3°15 | 5°58 | 19°20 | 28°18 | 0°14 | 8°13 | 28° 1 | 0°51 | 28°15 | 27°32 | 27°51 | 5°31 | W27 |
| T 28 | 6 59 50 | 15°22'56 | 11♐ 9 | 4°16 | 6°26 | 19°31 | 28°10 | 0°19 | 8°16 | 28° 0 | 0°50 | 28°17 | 27°29 | 27°58 | 5°30 | T 28 |
| F 29 | 7 3 46 | 16°24'06 | 23°37 | 5°11 | 6°55 | 19°42 | 28° 3 | 0°25 | 8°19 | 27°59 | 0°49 | 28°R17 | 27°25 | 28° 5 | 5°30 | F 29 |
| S 30 | 7 7 43 | 17°25'15 | 6♑21 | 5°59 | 7°26 | 19°52 | 27°55 | 0°31 | 8°23 | 27°58 | 0°49 | 28°17 | 27°22 | 28°11 | 5°29 | S 30 |
| S 31 | 7 11 39 | 18♑26'23 | 19♑22 | 6♒39 | 7♐59 | 20♍ 1 | 27♊48 | 0♐36 | 8♐26 | 27♉57 | 0♊48 | 28♐16 | 27♐19 | 28♎18 | 5♉29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s58 | 23s53 | 1s11 | 25s14 | 1s51 | 19s47 | 1n42 | 9n28 | 2n28 | 23n21 | 0s 9 | 17s53 | 1n50 | 21s27 | 0n 4 | 18n14 | 1s43 | 9n 7 | 11s36 | 23s30 | 23s31 | 13s59 | 12n 0 | 1s42 |
| S 2 | 23 3 | 23 33 | 0 3 | 25 21 | 1 55 | 19 28 | 1 56 | 9 20 | 2 29 | 23 22 | 0 9 | 17 54 | 1 50 | 21 27 | 0 4 | 18 14 | 1 43 | 9 7 | 11 36 | 23 30 | 23 31 | 14 1 | 11 59 | 1 42 |
| S 3 | 23 8 | 22 0 | 1n 7 | 25 27 | 1 58 | 19 10 | 2 9 | 9 13 | 2 30 | 23 22 | 0 9 | 17 56 | 1 50 | 21 28 | 0 4 | 18 13 | 1 43 | 9 7 | 11 35 | 23 30 | 23 31 | 14 3 | 11 59 | 1 42 |
| M 4 | 23 12 | 19 17 | 2 15 | 25 31 | 2 1 | 18 52 | 2 22 | 9 6 | 2 32 | 23 22 | 0 9 | 17 57 | 1 50 | 21 29 | 0 4 | 18 13 | 1 43 | 9 7 | 11 35 | 23 30 | 23 31 | 14 6 | 11 58 | 1 42 |
| T 5 | 23 16 | 15 34 | 3 16 | 25 34 | 2 3 | 18 36 | 2 35 | 8 59 | 2 33 | 23 22 | 0 8 | 17 59 | 1 50 | 21 29 | 0 4 | 18 13 | 1 43 | 9 7 | 11 35 | 23 30 | 23 31 | 14 8 | 11 57 | 1 42 |
| W 6 | 23 20 | 11 1 | 4 8 | 25 36 | 2 5 | 18 20 | 2 47 | 8 52 | 2 35 | 23 22 | 0 8 | 18 0 | 1 50 | 21 30 | 0 4 | 18 13 | 1 43 | 9 7 | 11 35 | 23 30 | 23 31 | 14 10 | 11 57 | 1 42 |
| T 7 | 23 23 | 5 52 | 4 48 | 25 35 | 2 7 | 18 6 | 2 58 | 8 45 | 2 36 | 23 23 | 0 8 | 18 1 | 1 50 | 21 30 | 0 4 | 18 12 | 1 43 | 9 7 | 11 35 | 23 30 | 23 31 | 14 12 | 11 56 | 1 42 |
| F 8 | 23 25 | 0 21 | 5 11 | 25 34 | 2 9 | 17 52 | 3 9 | 8 39 | 2 37 | 23 23 | 0 8 | 18 3 | 1 50 | 21 31 | 0 4 | 18 12 | 1 43 | 9 6 | 11 35 | 23 30 | 23 31 | 14 14 | 11 56 | 1 42 |
| S 9 | 23 27 | 5n16 | 5 17 | 25 30 | 2 10 | 17 39 | 3 19 | 8 32 | 2 39 | 23 23 | 0 8 | 18 4 | 1 50 | 21 32 | 0 4 | 18 12 | 1 43 | 9 6 | 11 35 | 23 30 | 23 31 | 14 16 | 11 55 | 1 42 |
| S 10 | 23 29 | 10 42 | 5 4 | 25 25 | 2 10 | 17 27 | 3 29 | 8 26 | 2 40 | 23 23 | 0 8 | 18 6 | 1 50 | 21 32 | 0 4 | 18 11 | 1 43 | 9 6 | 11 35 | 23 30 | 23 30 | 14 18 | 11 54 | 1 42 |
| M11 | 23 30 | 15 37 | 4 31 | 25 19 | 2 11 | 17 17 | 3 38 | 8 20 | 2 42 | 23 23 | 0 8 | 18 7 | 1 50 | 21 33 | 0 4 | 18 11 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 20 | 11 54 | 1 42 |
| T 12 | 23 31 | 19 40 | 3 41 | 25 11 | 2 10 | 17 7 | 3 47 | 8 14 | 2 43 | 23 24 | 0 7 | 18 8 | 1 50 | 21 33 | 0 4 | 18 11 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 22 | 11 53 | 1 42 |
| W13 | 23 31 | 22 30 | 2 37 | 25 1 | 2 9 | 16 58 | 3 55 | 8 8 | 2 45 | 23 24 | 0 7 | 18 10 | 1 50 | 21 34 | 0 4 | 18 11 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 25 | 11 53 | 1 42 |
| T 14 | 23 31 | 23 50 | 1 22 | 24 49 | 2 8 | 16 51 | 4 2 | 8 3 | 2 46 | 23 24 | 0 7 | 18 11 | 1 50 | 21 34 | 0 4 | 18 10 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 27 | 11 52 | 1 42 |
| F 15 | 23 30 | 23 33 | 0 4 | 24 36 | 2 6 | 16 44 | 4 9 | 7 57 | 2 48 | 23 24 | 0 7 | 18 12 | 1 51 | 21 35 | 0 4 | 18 10 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 29 | 11 52 | 1 42 |
| S 16 | 23 29 | 21 46 | 1s14 | 24 22 | 2 4 | 16 38 | 4 16 | 7 52 | 2 49 | 23 24 | 0 7 | 18 14 | 1 51 | 21 36 | 0 4 | 18 10 | 1 43 | 9 6 | 11 34 | 23 30 | 23 30 | 14 31 | 11 51 | 1 42 |
| S 17 | 23 27 | 18 44 | 2 25 | 24 5 | 2 0 | 16 34 | 4 22 | 7 47 | 2 51 | 23 24 | 0 7 | 18 15 | 1 51 | 21 36 | 0 4 | 18 9 | 1 43 | 9 6 | 11 33 | 23 30 | 23 30 | 14 33 | 11 51 | 1 42 |
| M18 | 23 25 | 14 45 | 3 27 | 23 48 | 1 57 | 16 30 | 4 27 | 7 42 | 2 52 | 23 24 | 0 7 | 18 16 | 1 51 | 21 37 | 0 4 | 18 9 | 1 43 | 9 6 | 11 33 | 23 30 | 23 30 | 14 35 | 11 51 | 1 42 |
| T 19 | 23 22 | 10 11 | 4 16 | 23 28 | 1 52 | 16 27 | 4 32 | 7 37 | 2 54 | 23 25 | 0 6 | 18 18 | 1 51 | 21 37 | 0 4 | 18 9 | 1 43 | 9 6 | 11 33 | 23 30 | 23 30 | 14 37 | 11 50 | 1 42 |
| W20 | 23 19 | 5 18 | 4 51 | 23 8 | 1 47 | 16 25 | 4 36 | 7 32 | 2 56 | 23 25 | 0 6 | 18 19 | 1 51 | 21 38 | 0 4 | 18 9 | 1 43 | 9 6 | 11 33 | 23 30 | 23 30 | 14 39 | 11 50 | 1 42 |
| T 21 | 23 16 | 0 20 | 5 11 | 22 46 | 1 40 | 16 24 | 4 40 | 7 28 | 2 57 | 23 25 | 0 6 | 18 20 | 1 51 | 21 38 | 0 4 | 18 9 | 1 43 | 9 6 | 11 33 | 23 30 | 23 30 | 14 41 | 11 50 | 1 42 |
| F 22 | 23 12 | 4s33 | 5 17 | 22 22 | 1 34 | 16 23 | 4 44 | 7 24 | 2 59 | 23 25 | 0 6 | 18 21 | 1 51 | 21 39 | 0 4 | 18 8 | 1 42 | 9 6 | 11 32 | 23 30 | 23 30 | 14 43 | 11 49 | 1 42 |
| S 23 | 23 7 | 9 12 | 5 9 | 21 58 | 1 26 | 16 24 | 4 47 | 7 20 | 3 0 | 23 25 | 0 6 | 18 23 | 1 51 | 21 39 | 0 4 | 18 8 | 1 42 | 9 6 | 11 32 | 23 30 | 23 30 | 14 45 | 11 49 | 1 42 |
| S 24 | 23 2 | 13 27 | 4 47 | 21 33 | 1 17 | 16 25 | 4 49 | 7 16 | 3 2 | 23 25 | 0 6 | 18 24 | 1 51 | 21 40 | 0 4 | 18 8 | 1 42 | 9 6 | 11 32 | 23 30 | 23 30 | 14 47 | 11 49 | 1 42 |
| M25 | 22 57 | 17 12 | 4 14 | 21 7 | 1 7 | 16 26 | 4 52 | 7 12 | 3 4 | 23 25 | 0 6 | 18 25 | 1 51 | 21 40 | 0 4 | 18 8 | 1 42 | 9 6 | 11 32 | 23 30 | 23 30 | 14 49 | 11 48 | 1 42 |
| T 26 | 22 51 | 20 17 | 3 29 | 20 40 | 0 56 | 16 29 | 4 54 | 7 9 | 3 5 | 23 25 | 0 5 | 18 26 | 1 51 | 21 41 | 0 4 | 18 7 | 1 42 | 9 6 | 11 32 | 23 30 | 23 30 | 14 51 | 11 48 | 1 42 |
| W27 | 22 44 | 22 31 | 2 35 | 20 13 | 0 45 | 16 32 | 4 55 | 7 6 | 3 7 | 23 25 | 0 5 | 18 27 | 1 51 | 21 41 | 0 4 | 18 7 | 1 42 | 9 6 | 11 31 | 23 30 | 23 30 | 14 53 | 11 48 | 1 42 |
| T 28 | 22 38 | 23 44 | 1 33 | 19 46 | 0 32 | 16 35 | 4 56 | 7 3 | 3 9 | 23 25 | 0 5 | 18 28 | 1 51 | 21 42 | 0 3 | 18 7 | 1 42 | 9 6 | 11 31 | 23 30 | 23 30 | 14 55 | 11 48 | 1 42 |
| F 29 | 22 30 | 23 48 | 0 26 | 19 19 | 0 18 | 16 39 | 4 57 | 7 1 | 3 10 | 23 25 | 0 5 | 18 29 | 1 51 | 21 42 | 0 3 | 18 7 | 1 42 | 9 6 | 11 31 | 23 30 | 23 30 | 14 57 | 11 48 | 1 42 |
| S 30 | 22 23 | 22 38 | 0n44 | 18 53 | 0 3 | 16 43 | 4 58 | 6 58 | 3 12 | 23 25 | 0 5 | 18 30 | 1 52 | 21 43 | 0 3 | 18 7 | 1 42 | 9 7 | 11 31 | 23 30 | 23 29 | 14 59 | 11 47 | 1 42 |
| S 31 | 22s15 | 20s14 | 1n54 | 18s28 | 0n12 | 16s48 | 4n58 | 6n56 | 3n14 | 23n25 | 0s 5 | 18s31 | 1n52 | 21s43 | 0n 3 | 18n 7 | 1s42 | 9n 7 | 11s31 | 23s30 | 23s29 | 15s 1 | 11n47 | 1s42 |

Julian Day Number = 2231281.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'39, Lahiri = 15°26'40 Julian Calendar 1 Dec. 1396 == Greg. Calendar 9 Dec. 1396


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## JANUARY 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 15 36 | 19♉27'31 | 2♒39 | 7♒ 9 | 8♐33 | 20♍10 | 27°R41 | 0♐42 | 8♐29 | 27°R56 | 0°R47 | 28°R14 | 27♐16 | 28♎25 | 5°R29 | M 1 |
| T 2 | 7 19 32 | 20°28'38 | 16°12 | 7°29 | 9° 9 | 20°18 | 27♊34 | 0°47 | 8°32 | 27♉55 | 0♊46 | 28♐11 | 27°13 | 28°31 | 5♉28 | T 2 |
| W 3 | 7 23 29 | 21°29'44 | 29°57 | 7°R38 | 9°45 | 20°26 | 27°27 | 0°52 | 8°35 | 27°54 | 0°46 | 28° 7 | 27°10 | 28°38 | 5°28 | W 3 |
| T 4 | 7 27 26 | 22°30'49 | 13♓53 | 7°36 | 10°23 | 20°32 | 27°21 | 0°58 | 8°37 | 27°53 | 0°45 | 28° 4 | 27° 6 | 28°45 | 5°28 | T 4 |
| F 5 | 7 31 22 | 23°31'53 | 27°56 | 7°23 | 11° 3 | 20°39 | 27°14 | 1° 3 | 8°40 | 27°53 | 0°44 | 28° 1 | 27° 3 | 28°52 | 5°28 | F 5 |
| S 6 | 7 35 19 | 24°32'56 | 12♈ 3 | 6°58 | 11°43 | 20°44 | 27° 7 | 1° 8 | 8°43 | 27°52 | 0°44 | 27°59 | 27° 0 | 28°58 | 5°D28 | S 6 |
| S 7 | 7 39 15 | 25°33'59 | 26°13 | 6°22 | 12°25 | 20°49 | 27° 1 | 1°13 | 8°46 | 27°51 | 0°43 | 27°D58 | 26°57 | 29° 5 | 5°28 | S 7 |
| M 8 | 7 43 12 | 26°34'59 | 10♉22 | 5°35 | 13° 7 | 20°53 | 26°55 | 1°18 | 8°49 | 27°50 | 0°43 | 27°59 | 26°54 | 29°12 | 5°28 | M 8 |
| T 9 | 7 47 8 | 27°35'59 | 24°31 | 4°40 | 13°51 | 20°57 | 26°49 | 1°23 | 8°51 | 27°50 | 0°42 | 28° 0 | 26°50 | 29°18 | 5°28 | T 9 |
| W10 | 7 51 5 | 28°36'58 | 8♊35 | 3°36 | 14°36 | 21° 0 | 26°43 | 1°28 | 8°54 | 27°49 | 0°41 | 28° 2 | 26°47 | 29°25 | 5°29 | W10 |
| T 11 | 7 55 1 | 29°37'55 | 22°35 | 2°26 | 15°22 | 21° 2 | 26°37 | 1°33 | 8°57 | 27°48 | 0°41 | 28°R 3 | 26°44 | 29°32 | 5°29 | T 11 |
| F 12 | 7 58 58 | 0♒38'52 | 6♋27 | 1°13 | 16° 8 | 21° 3 | 26°32 | 1°38 | 8°59 | 27°48 | 0°40 | 28° 3 | 26°41 | 29°39 | 5°29 | F 12 |
| S 13 | 8 2 55 | 1°39'47 | 20° 8 | 29♉58 | 16°56 | 21°R 4 | 26°26 | 1°42 | 9° 2 | 27°47 | 0°40 | 28° 1 | 26°38 | 29°45 | 5°30 | S 13 |
| S 14 | 8 6 51 | 2°40'41 | 3♌37 | 28°44 | 17°44 | 21° 4 | 26°21 | 1°47 | 9° 5 | 27°47 | 0°39 | 27°57 | 26°35 | 29°52 | 5°30 | S 14 |
| M15 | 8 10 48 | 3°41'34 | 16°51 | 27°33 | 18°34 | 21° 3 | 26°16 | 1°51 | 9° 7 | 27°46 | 0°39 | 27°52 | 26°31 | 29°59 | 5°31 | M15 |
| T 16 | 8 14 44 | 4°42'25 | 29°48 | 26°25 | 19°24 | 21° 2 | 26°11 | 1°56 | 9°10 | 27°46 | 0°39 | 27°45 | 26°28 | 0♏ 5 | 5°32 | T 16 |
| W17 | 8 18 41 | 5°43'16 | 12♍28 | 25°24 | 20°15 | 21° 0 | 26° 6 | 2° 0 | 9°12 | 27°45 | 0°38 | 27°39 | 26°25 | 0°12 | 5°32 | W17 |
| T 18 | 8 22 37 | 6°44'06 | 24°52 | 24°30 | 21° 6 | 20°57 | 26° 1 | 2° 4 | 9°14 | 27°45 | 0°38 | 27°32 | 26°22 | 0°19 | 5°33 | T 18 |
| F 19 | 8 26 34 | 7°44'54 | 7♎ 3 | 23°43 | 21°59 | 20°53 | 25°57 | 2° 9 | 9°17 | 27°44 | 0°37 | 27°26 | 26°19 | 0°25 | 5°34 | F 19 |
| S 20 | 8 30 30 | 8°45'42 | 19° 2 | 23° 5 | 22°52 | 20°48 | 25°53 | 2°13 | 9°19 | 27°44 | 0°37 | 27°22 | 26°16 | 0°32 | 5°35 | S 20 |
| S 21 | 8 34 27 | 9°46'29 | 0♏54 | 22°34 | 23°45 | 20°43 | 25°49 | 2°17 | 9°21 | 27°44 | 0°37 | 27°20 | 26°12 | 0°39 | 5°36 | S 21 |
| M22 | 8 38 24 | 10°47'14 | 12°45 | 22°12 | 24°39 | 20°37 | 25°45 | 2°21 | 9°24 | 27°44 | 0°36 | 27°D19 | 26° 9 | 0°46 | 5°37 | M22 |
| T 23 | 8 42 20 | 11°47'59 | 24°39 | 21°59 | 25°34 | 20°30 | 25°41 | 2°25 | 9°26 | 27°43 | 0°36 | 27°20 | 26° 6 | 0°52 | 5°38 | T 23 |
| W24 | 8 46 17 | 12°48'43 | 6♐41 | 21°D53 | 26°30 | 20°22 | 25°38 | 2°28 | 9°28 | 27°43 | 0°36 | 27°22 | 26° 3 | 0°59 | 5°39 | W24 |
| T 25 | 8 50 13 | 13°49'25 | 18°56 | 21°54 | 27°26 | 20°13 | 25°34 | 2°32 | 9°30 | 27°43 | 0°36 | 27°23 | 26° 0 | 1° 6 | 5°40 | T 25 |
| F 26 | 8 54 10 | 14°50'06 | 1♑28 | 22° 2 | 28°22 | 20° 4 | 25°31 | 2°36 | 9°32 | 27°43 | 0°35 | 27°R23 | 25°56 | 1°12 | 5°42 | F 26 |
| S 27 | 8 58 6 | 15°50'46 | 14°22 | 22°17 | 29°20 | 19°54 | 25°28 | 2°39 | 9°34 | 27°43 | 0°35 | 27°22 | 25°53 | 1°19 | 5°43 | S 27 |
| S 28 | 9 2 3 | 16°51'25 | 27°38 | 22°38 | 0♑17 | 19°43 | 25°25 | 2°43 | 9°36 | 27°43 | 0°35 | 27°18 | 25°50 | 1°26 | 5°44 | S 28 |
| M29 | 9 6 0 | 17°52'02 | 11♒17 | 23° 5 | 1°15 | 19°31 | 25°23 | 2°46 | 9°38 | 27°D43 | 0°35 | 27°12 | 25°47 | 1°32 | 5°46 | M29 |
| T 30 | 9 9 56 | 18°52'38 | 25°16 | 23°36 | 2°14 | 19°19 | 25°20 | 2°49 | 9°40 | 27°43 | 0°35 | 27° 4 | 25°44 | 1°39 | 5°47 | T 30 |
| W31 | 9 13 53 | 19♒53'12 | 9♓31 | 24♑12 | 3♑13 | 19♍ 5 | 25♊18 | 2♐53 | 9♐41 | 27♉43 | 0♊35 | 26♐55 | 25♐41 | 1♏46 | 5♉49 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s 6 | 16s44 | 2n58 | 18s 5 | 0n29 | 16s53 | 4n58 | 6n54 | 3n15 | 23n25 | 0s 4 | 18s33 | 1n52 | 21s44 | 0n 3 | 18n 6 | 1s42 | 9n 7 | 11s30 | 23s30 | 23s29 | 15s 3 | 11n47 | 1s42 |
| T 2 | 21 57 | 12 19 | 3 54 | 17 43 | 0 46 | 16 59 | 4 58 | 6 52 | 3 17 | 23 25 | 0 4 | 18 34 | 1 52 | 21 44 | 0 3 | 18 6 | 1 42 | 9 7 | 11 30 | 23 30 | 23 29 | 15 5 | 11 47 | 1 42 |
| W 3 | 21 48 | 7 12 | 4 37 | 17 23 | 1 4 | 17 5 | 4 57 | 6 51 | 3 19 | 23 25 | 0 4 | 18 35 | 1 52 | 21 45 | 0 3 | 18 6 | 1 42 | 9 7 | 11 30 | 23 30 | 23 29 | 15 7 | 11 47 | 1 42 |
| T 4 | 21 38 | 1 41 | 5 4 | 17 6 | 1 23 | 17 11 | 4 57 | 6 50 | 3 20 | 23 25 | 0 4 | 18 36 | 1 52 | 21 45 | 0 3 | 18 6 | 1 42 | 9 7 | 11 30 | 23 30 | 23 29 | 15 9 | 11 47 | 1 42 |
| F 5 | 21 28 | 3n58 | 5 14 | 16 51 | 1 41 | 17 18 | 4 56 | 6 49 | 3 22 | 23 25 | 0 4 | 18 37 | 1 52 | 21 46 | 0 3 | 18 6 | 1 42 | 9 7 | 11 29 | 23 30 | 23 29 | 15 11 | 11 47 | 1 42 |
| S 6 | 21 17 | 9 27 | 5 5 | 16 40 | 1 59 | 17 24 | 4 54 | 6 48 | 3 24 | 23 25 | 0 4 | 18 37 | 1 52 | 21 46 | 0 3 | 18 6 | 1 42 | 9 7 | 11 29 | 23 30 | 23 29 | 15 13 | 11 47 | 1 42 |
| S 7 | 21 6 | 14 27 | 4 37 | 16 32 | 2 17 | 17 31 | 4 53 | 6 48 | 3 26 | 23 25 | 0 4 | 18 38 | 1 52 | 21 47 | 0 3 | 18 6 | 1 42 | 9 7 | 11 29 | 23 30 | 23 29 | 15 15 | 11 47 | 1 42 |
| M 8 | 20 54 | 18 39 | 3 52 | 16 27 | 2 34 | 17 38 | 4 51 | 6 48 | 3 27 | 23 25 | 0 3 | 18 39 | 1 52 | 21 47 | 0 3 | 18 6 | 1 42 | 9 7 | 11 29 | 23 30 | 23 29 | 15 17 | 11 47 | 1 42 |
| T 9 | 20 43 | 21 46 | 2 53 | 16 25 | 2 49 | 17 45 | 4 49 | 6 48 | 3 29 | 23 25 | 0 3 | 18 40 | 1 52 | 21 48 | 0 3 | 18 5 | 1 42 | 9 8 | 11 29 | 23 30 | 23 29 | 15 19 | 11 47 | 1 42 |
| W10 | 20 30 | 23 32 | 1 45 | 16 27 | 3 3 | 17 52 | 4 47 | 6 48 | 3 31 | 23 25 | 0 3 | 18 41 | 1 53 | 21 48 | 0 3 | 18 5 | 1 42 | 9 8 | 11 28 | 23 30 | 23 29 | 15 21 | 11 47 | 1 42 |
| T 11 | 20 18 | 23 48 | 0 30 | 16 31 | 3 15 | 18 0 | 4 45 | 6 49 | 3 32 | 23 25 | 0 3 | 18 42 | 1 53 | 21 48 | 0 3 | 18 5 | 1 41 | 9 8 | 11 28 | 23 30 | 23 29 | 15 23 | 11 48 | 1 42 |
| F 12 | 20 5 | 22 36 | 0s46 | 16 38 | 3 24 | 18 7 | 4 42 | 6 50 | 3 34 | 23 25 | 0 3 | 18 43 | 1 53 | 21 49 | 0 3 | 18 5 | 1 41 | 9 8 | 11 28 | 23 30 | 23 29 | 15 25 | 11 48 | 1 42 |
| S 13 | 19 51 | 20 4 | 1 58 | 16 46 | 3 32 | 18 14 | 4 40 | 6 51 | 3 36 | 23 25 | 0 3 | 18 44 | 1 53 | 21 49 | 0 3 | 18 5 | 1 41 | 9 8 | 11 28 | 23 30 | 23 28 | 15 27 | 11 48 | 1 42 |
| S 14 | 19 38 | 16 28 | 3 2 | 16 57 | 3 36 | 18 21 | 4 37 | 6 53 | 3 37 | 23 25 | 0 3 | 18 44 | 1 53 | 21 50 | 0 3 | 18 5 | 1 41 | 9 8 | 11 27 | 23 30 | 23 28 | 15 29 | 11 48 | 1 42 |
| M15 | 19 23 | 12 6 | 3 55 | 17 9 | 3 39 | 18 29 | 4 34 | 6 54 | 3 39 | 23 25 | 0 2 | 18 45 | 1 53 | 21 50 | 0 3 | 18 5 | 1 41 | 9 8 | 11 27 | 23 30 | 23 28 | 15 31 | 11 48 | 1 42 |
| T 16 | 19 9 | 7 18 | 4 34 | 17 22 | 3 38 | 18 36 | 4 31 | 6 57 | 3 41 | 23 25 | 0 2 | 18 46 | 1 53 | 21 50 | 0 3 | 18 5 | 1 41 | 9 9 | 11 27 | 23 30 | 23 28 | 15 33 | 11 49 | 1 42 |
| W17 | 18 54 | 2 18 | 4 59 | 17 35 | 3 36 | 18 43 | 4 27 | 6 59 | 3 42 | 23 25 | 0 2 | 18 47 | 1 53 | 21 51 | 0 3 | 18 5 | 1 41 | 9 9 | 11 26 | 23 30 | 23 28 | 15 35 | 11 49 | 1 42 |
| T 18 | 18 39 | 2s42 | 5 10 | 17 49 | 3 32 | 18 50 | 4 24 | 7 2 | 3 44 | 23 25 | 0 2 | 18 47 | 1 53 | 21 51 | 0 3 | 18 5 | 1 41 | 9 9 | 11 26 | 23 30 | 23 28 | 15 37 | 11 49 | 1 42 |
| F 19 | 18 24 | 7 29 | 5 6 | 18 3 | 3 26 | 18 56 | 4 21 | 7 5 | 3 45 | 23 25 | 0 2 | 18 48 | 1 54 | 21 52 | 0 3 | 18 5 | 1 41 | 9 9 | 11 26 | 23 30 | 23 28 | 15 39 | 11 49 | 1 42 |
| S 20 | 18 8 | 11 55 | 4 48 | 18 17 | 3 18 | 19 3 | 4 17 | 7 8 | 3 47 | 23 25 | 0 2 | 18 49 | 1 54 | 21 52 | 0 3 | 18 5 | 1 41 | 9 9 | 11 26 | 23 29 | 23 28 | 15 41 | 11 50 | 1 42 |
| S 21 | 17 52 | 15 52 | 4 19 | 18 30 | 3 10 | 19 9 | 4 13 | 7 11 | 3 49 | 23 25 | 0 2 | 18 50 | 1 54 | 21 52 | 0 3 | 18 5 | 1 41 | 9 10 | 11 25 | 23 29 | 23 28 | 15 43 | 11 50 | 1 42 |
| M22 | 17 35 | 19 10 | 3 38 | 18 43 | 3 0 | 19 15 | 4 9 | 7 15 | 3 50 | 23 25 | 0 1 | 18 50 | 1 54 | 21 53 | 0 3 | 18 5 | 1 41 | 9 10 | 11 25 | 23 29 | 23 28 | 15 44 | 11 50 | 1 42 |
| T 23 | 17 18 | 21 42 | 2 48 | 18 56 | 2 50 | 19 21 | 4 5 | 7 19 | 3 52 | 23 26 | 0 1 | 18 51 | 1 54 | 21 53 | 0 3 | 18 5 | 1 41 | 9 10 | 11 25 | 23 29 | 23 28 | 15 46 | 11 51 | 1 42 |
| W24 | 17 1 | 23 18 | 1 50 | 19 8 | 2 38 | 19 27 | 4 1 | 7 24 | 3 53 | 23 26 | 0 1 | 18 51 | 1 54 | 21 53 | 0 3 | 18 5 | 1 41 | 9 10 | 11 25 | 23 29 | 23 27 | 15 48 | 11 51 | 1 42 |
| T 25 | 16 44 | 23 49 | 0 46 | 19 19 | 2 27 | 19 32 | 3 57 | 7 29 | 3 54 | 23 26 | 0 1 | 18 52 | 1 54 | 21 54 | 0 3 | 18 5 | 1 41 | 9 10 | 11 24 | 23 29 | 23 27 | 15 50 | 11 52 | 1 42 |
| F 26 | 16 26 | 23 8 | 0n22 | 19 29 | 2 15 | 19 37 | 3 53 | 7 33 | 3 56 | 23 26 | 0 1 | 18 53 | 1 54 | 21 54 | 0 3 | 18 5 | 1 41 | 9 11 | 11 24 | 23 29 | 23 27 | 15 52 | 11 52 | 1 42 |
| S 27 | 16 8 | 21 15 | 1 30 | 19 38 | 2 3 | 19 42 | 3 49 | 7 39 | 3 57 | 23 26 | 0 1 | 18 53 | 1 55 | 21 54 | 0 3 | 18 5 | 1 40 | 9 11 | 11 24 | 23 29 | 23 27 | 15 54 | 11 52 | 1 42 |
| S 28 | 15 50 | 18 10 | 2 36 | 19 47 | 1 51 | 19 47 | 3 44 | 7 44 | 3 58 | 23 26 | 0 1 | 18 54 | 1 55 | 21 55 | 0 3 | 18 5 | 1 40 | 9 11 | 11 24 | 23 29 | 23 27 | 15 56 | 11 53 | 1 42 |
| M29 | 15 32 | 14 1 | 3 34 | 19 54 | 1 39 | 19 51 | 3 40 | 7 50 | 4 0 | 23 26 | 0 0 | 18 54 | 1 55 | 21 55 | 0 3 | 18 5 | 1 40 | 9 11 | 11 23 | 23 29 | 23 27 | 15 58 | 11 53 | 1 42 |
| T 30 | 15 13 | 9 3 | 4 20 | 20 1 | 1 27 | 19 54 | 3 35 | 7 56 | 4 1 | 23 26 | 0 0 | 18 55 | 1 55 | 21 55 | 0 3 | 18 5 | 1 40 | 9 12 | 11 23 | 23 29 | 23 27 | 16 0 | 11 54 | 1 42 |
| W31 | 14s54 | 3s31 | 4n52 | 20s 6 | 1n15 | 19s58 | 3n31 | 8n 2 | 4n 2 | 23n26 | 0s 0 | 18s55 | 1n55 | 21s55 | 0n 3 | 18n 5 | 1s40 | 9n12 | 11s23 | 23s29 | 23s27 | 16s 1 | 11n55 | 1s41 |

Julian Day Number = 2231312.5, Delta T = 07m58s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'43, Lahiri = 15°26'44 Julian Calendar 1 Jan. 1397 == Greg. Calendar 9 Jan. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## FEBRUARY 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 17 49 | 20♒53'44 | 23♓56 | 24♑53 | 4♑12 | 18°R51 | 25°R16 | 2♐56 | 9♐43 | 27♉43 | 0°R35 | 26°R46 | 25♐37 | 1♏52 | 5♉51 | T 1 |
| F 2 | 9 21 46 | 21°54'15 | 8♈25 | 25°38 | 5°12 | 18♍37 | 25♊14 | 2°59 | 9°45 | 27°43 | 0♊34 | 26♐38 | 25°34 | 1°59 | 5°52 | F 2 |
| S 3 | 9 25 42 | 22°54'44 | 22°51 | 26°26 | 6°12 | 18°21 | 25°13 | 3° 2 | 9°47 | 27°43 | 0°34 | 26°33 | 25°31 | 2° 6 | 5°54 | S 3 |
| S 4 | 9 29 39 | 23°55'11 | 7♉11 | 27°18 | 7°13 | 18° 5 | 25°12 | 3° 4 | 9°48 | 27°43 | 0°D34 | 26°29 | 25°28 | 2°13 | 5°56 | S 4 |
| M 5 | 9 33 35 | 24°55'35 | 21°22 | 28°13 | 8°13 | 17°48 | 25°10 | 3° 7 | 9°50 | 27°43 | 0°34 | 26°D28 | 25°25 | 2°19 | 5°58 | M 5 |
| T 6 | 9 37 32 | 25°55'58 | 5♊21 | 29°11 | 9°15 | 17°31 | 25° 9 | 3°10 | 9°51 | 27°44 | 0°34 | 26°28 | 25°21 | 2°26 | 6° 0 | T 6 |
| W 7 | 9 41 28 | 26°56'19 | 19° 9 | 0♒12 | 10°16 | 17°13 | 25° 9 | 3°12 | 9°53 | 27°44 | 0°34 | 26°29 | 25°18 | 2°33 | 6° 2 | W 7 |
| T 8 | 9 45 25 | 27°56'38 | 2♋46 | 1°15 | 11°18 | 16°54 | 25° 8 | 3°15 | 9°54 | 27°44 | 0°35 | 26°R29 | 25°15 | 2°39 | 6° 4 | T 8 |
| F 9 | 9 49 22 | 28°56'55 | 16°12 | 2°21 | 12°20 | 16°35 | 25° 8 | 3°17 | 9°56 | 27°45 | 0°35 | 26°27 | 25°12 | 2°46 | 6° 6 | F 9 |
| S 10 | 9 53 18 | 29°57'10 | 29°28 | 3°28 | 13°23 | 16°15 | 25°D 7 | 3°20 | 9°57 | 27°45 | 0°35 | 26°23 | 25° 9 | 2°53 | 6° 8 | S 10 |
| S 11 | 9 57 15 | 0♓57'23 | 12♌33 | 4°38 | 14°26 | 15°55 | 25° 7 | 3°22 | 9°58 | 27°46 | 0°35 | 26°16 | 25° 6 | 2°59 | 6°11 | S 11 |
| M12 | 10 1 11 | 1°57'34 | 25°26 | 5°50 | 15°29 | 15°34 | 25° 8 | 3°24 | 9°59 | 27°46 | 0°35 | 26° 6 | 25° 2 | 3° 6 | 6°13 | M12 |
| T 13 | 10 5 8 | 2°57'43 | 8♍ 8 | 7° 4 | 16°32 | 15°13 | 25° 8 | 3°26 | 10° 1 | 27°46 | 0°35 | 25°54 | 24°59 | 3°13 | 6°15 | T 13 |
| W14 | 10 9 4 | 3°57'50 | 20°38 | 8°19 | 17°36 | 14°51 | 25° 9 | 3°28 | 10° 2 | 27°47 | 0°35 | 25°41 | 24°56 | 3°20 | 6°18 | W14 |
| T 15 | 10 13 1 | 4°57'56 | 2♎55 | 9°36 | 18°40 | 14°29 | 25°10 | 3°29 | 10° 3 | 27°48 | 0°36 | 25°29 | 24°53 | 3°26 | 6°20 | T 15 |
| F 16 | 10 16 57 | 5°58'00 | 15° 2 | 10°55 | 19°44 | 14° 7 | 25°11 | 3°31 | 10° 4 | 27°48 | 0°36 | 25°18 | 24°50 | 3°33 | 6°22 | F 16 |
| S 17 | 10 20 54 | 6°58'02 | 26°59 | 12°15 | 20°49 | 13°44 | 25°12 | 3°33 | 10° 5 | 27°49 | 0°36 | 25° 9 | 24°47 | 3°40 | 6°25 | S 17 |
| S 18 | 10 24 51 | 7°58'02 | 8♏50 | 13°37 | 21°53 | 13°21 | 25°13 | 3°34 | 10° 6 | 27°49 | 0°36 | 25° 2 | 24°43 | 3°46 | 6°28 | S 18 |
| M19 | 10 28 47 | 8°58'01 | 20°40 | 15° 0 | 22°58 | 12°58 | 25°15 | 3°36 | 10° 6 | 27°50 | 0°37 | 24°58 | 24°40 | 3°53 | 6°30 | M19 |
| T 20 | 10 32 44 | 9°57'58 | 2♐32 | 16°25 | 24° 3 | 12°34 | 25°16 | 3°37 | 10° 7 | 27°51 | 0°37 | 24°57 | 24°37 | 4° 0 | 6°33 | T 20 |
| W21 | 10 36 40 | 10°57'53 | 14°31 | 17°51 | 25° 9 | 12°11 | 25°18 | 3°38 | 10° 8 | 27°52 | 0°37 | 24°D57 | 24°34 | 4° 6 | 6°36 | W21 |
| T 22 | 10 40 37 | 11°57'47 | 26°44 | 19°18 | 26°14 | 11°47 | 25°21 | 3°39 | 10° 9 | 27°52 | 0°38 | 24°R57 | 24°31 | 4°13 | 6°38 | T 22 |
| F 23 | 10 44 33 | 12°57'39 | 9♑16 | 20°47 | 27°20 | 11°24 | 25°23 | 3°40 | 10° 9 | 27°53 | 0°38 | 24°56 | 24°27 | 4°20 | 6°41 | F 23 |
| S 24 | 10 48 30 | 13°57'29 | 22°11 | 22°17 | 28°26 | 11° 0 | 25°26 | 3°41 | 10°10 | 27°54 | 0°39 | 24°54 | 24°24 | 4°26 | 6°44 | S 24 |
| S 25 | 10 52 26 | 14°57'17 | 5♒32 | 23°48 | 29°32 | 10°36 | 25°28 | 3°42 | 10°10 | 27°55 | 0°39 | 24°48 | 24°21 | 4°33 | 6°47 | S 25 |
| M26 | 10 56 23 | 15°57'04 | 19°21 | 25°21 | 0♒38 | 10°13 | 25°31 | 3°43 | 10°11 | 27°56 | 0°39 | 24°41 | 24°18 | 4°40 | 6°50 | M26 |
| T 27 | 11 0 20 | 16°56'49 | 3♓36 | 26°55 | 1°45 | 9°50 | 25°34 | 3°43 | 10°11 | 27°57 | 0°40 | 24°30 | 24°15 | 4°47 | 6°53 | T 27 |
| W28 | 11 4 16 | 17♓56'31 | 18♓13 | 28♒30 | 2♒52 | 9♍26 | 25♊38 | 3♐44 | 10♐12 | 27♉58 | 0♊40 | 24♐19 | 24♐12 | 4♏53 | 6♉56 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14s35 | 2n15 | 5n 5 | 20s11 | 1n 4 | 20s 1 | 3n26 | 8n 9 | 4n 3 | 23n26 | 0s 0 | 18s56 | 1n55 | 21s56 | 0n 3 | 18n 5 | 1s40 | 9n12 | 11s22 | 23s29 | 23s27 | 16s 3 | 11n55 | 1s41 |
| F 2 | 14 15 | 7 55 | 4 59 | 20 14 | 0 52 | 20 3 | 3 22 | 8 16 | 4 4 | 23 26 | 0n 0 | 18 56 | 1 55 | 21 56 | 0 3 | 18 5 | 1 40 | 9 12 | 11 22 | 23 28 | 23 27 | 16 5 | 11 56 | 1 41 |
| S 3 | 13 55 | 13 9 | 4 34 | 20 16 | 0 41 | 20 6 | 3 17 | 8 22 | 4 5 | 23 26 | 0 0 | 18 57 | 1 55 | 21 56 | 0 3 | 18 5 | 1 40 | 9 13 | 11 22 | 23 28 | 23 26 | 16 7 | 11 56 | 1 41 |
| S 4 | 13 35 | 17 37 | 3 52 | 20 16 | 0 30 | 20 7 | 3 12 | 8 30 | 4 6 | 23 26 | 0 0 | 18 57 | 1 56 | 21 56 | 0 3 | 18 6 | 1 40 | 9 13 | 11 22 | 23 28 | 23 26 | 16 9 | 11 57 | 1 41 |
| M 5 | 13 15 | 21 0 | 2 56 | 20 16 | 0 20 | 20 9 | 3 7 | 8 37 | 4 7 | 23 26 | 0 0 | 18 57 | 1 56 | 21 57 | 0 3 | 18 6 | 1 40 | 9 13 | 11 21 | 23 28 | 23 26 | 16 11 | 11 58 | 1 41 |
| T 6 | 12 55 | 23 5 | 1 51 | 20 14 | 0 9 | 20 10 | 3 2 | 8 45 | 4 7 | 23 26 | 0 1 | 18 58 | 1 56 | 21 57 | 0 3 | 18 6 | 1 40 | 9 13 | 11 21 | 23 28 | 23 26 | 16 13 | 11 58 | 1 41 |
| W 7 | 12 34 | 23 43 | 0 39 | 20 11 | 0s 1 | 20 10 | 2 57 | 8 52 | 4 8 | 23 26 | 0 1 | 18 58 | 1 56 | 21 57 | 0 3 | 18 6 | 1 40 | 9 14 | 11 21 | 23 28 | 23 26 | 16 14 | 11 59 | 1 41 |
| T 8 | 12 14 | 22 56 | 0s33 | 20 7 | 0 11 | 20 10 | 2 52 | 9 0 | 4 9 | 23 26 | 0 1 | 18 58 | 1 56 | 21 57 | 0 3 | 18 6 | 1 40 | 9 14 | 11 20 | 23 28 | 23 26 | 16 16 | 12 0 | 1 41 |
| F 9 | 11 53 | 20 49 | 1 43 | 20 2 | 0 20 | 20 10 | 2 48 | 9 8 | 4 9 | 23 27 | 0 1 | 18 59 | 1 56 | 21 58 | 0 3 | 18 6 | 1 40 | 9 14 | 11 20 | 23 28 | 23 26 | 16 18 | 12 0 | 1 41 |
| S 10 | 11 32 | 17 37 | 2 46 | 19 55 | 0 29 | 20 9 | 2 43 | 9 16 | 4 10 | 23 27 | 0 1 | 18 59 | 1 56 | 21 58 | 0 3 | 18 6 | 1 40 | 9 15 | 11 20 | 23 28 | 23 26 | 16 20 | 12 1 | 1 41 |
| S 11 | 11 10 | 13 35 | 3 39 | 19 47 | 0 38 | 20 7 | 2 38 | 9 24 | 4 10 | 23 27 | 0 1 | 18 59 | 1 57 | 21 58 | 0 3 | 18 7 | 1 40 | 9 15 | 11 20 | 23 28 | 23 26 | 16 22 | 12 2 | 1 41 |
| M12 | 10 49 | 9 0 | 4 20 | 19 37 | 0 46 | 20 5 | 2 32 | 9 33 | 4 10 | 23 27 | 0 1 | 19 0 | 1 57 | 21 58 | 0 3 | 18 7 | 1 39 | 9 15 | 11 19 | 23 28 | 23 25 | 16 24 | 12 2 | 1 41 |
| T 13 | 10 27 | 4 6 | 4 48 | 19 27 | 0 54 | 20 3 | 2 27 | 9 41 | 4 10 | 23 27 | 0 1 | 19 0 | 1 57 | 21 58 | 0 3 | 18 7 | 1 39 | 9 16 | 11 19 | 23 27 | 23 25 | 16 25 | 12 3 | 1 41 |
| W14 | 10 5 | 0s53 | 5 1 | 19 15 | 1 2 | 20 0 | 2 22 | 9 50 | 4 10 | 23 27 | 0 2 | 19 0 | 1 57 | 21 58 | 0 3 | 18 7 | 1 39 | 9 16 | 11 19 | 23 27 | 23 25 | 16 27 | 12 4 | 1 41 |
| T 15 | 9 43 | 5 44 | 4 59 | 19 1 | 1 10 | 19 57 | 2 17 | 9 58 | 4 10 | 23 27 | 0 2 | 19 0 | 1 57 | 21 59 | 0 3 | 18 7 | 1 39 | 9 16 | 11 19 | 23 26 | 23 25 | 16 29 | 12 5 | 1 41 |
| F 16 | 9 21 | 10 18 | 4 44 | 18 47 | 1 17 | 19 53 | 2 12 | 10 7 | 4 10 | 23 28 | 0 2 | 19 0 | 1 57 | 21 59 | 0 3 | 18 7 | 1 39 | 9 16 | 11 18 | 23 26 | 23 25 | 16 31 | 12 6 | 1 41 |
| S 17 | 8 59 | 14 25 | 4 17 | 18 30 | 1 23 | 19 48 | 2 7 | 10 15 | 4 10 | 23 28 | 0 2 | 19 0 | 1 58 | 21 59 | 0 3 | 18 8 | 1 39 | 9 17 | 11 18 | 23 26 | 23 25 | 16 33 | 12 6 | 1 41 |
| S 18 | 8 37 | 17 57 | 3 39 | 18 13 | 1 29 | 19 43 | 2 2 | 10 24 | 4 10 | 23 28 | 0 2 | 19 1 | 1 58 | 21 59 | 0 3 | 18 8 | 1 39 | 9 17 | 11 18 | 23 25 | 23 25 | 16 34 | 12 7 | 1 41 |
| M19 | 8 14 | 20 44 | 2 51 | 17 54 | 1 35 | 19 38 | 1 57 | 10 33 | 4 9 | 23 28 | 0 2 | 19 1 | 1 58 | 21 59 | 0 3 | 18 8 | 1 39 | 9 17 | 11 17 | 23 25 | 23 25 | 16 36 | 12 8 | 1 41 |
| T 20 | 7 51 | 22 38 | 1 56 | 17 34 | 1 41 | 19 32 | 1 52 | 10 41 | 4 9 | 23 28 | 0 2 | 19 1 | 1 58 | 21 59 | 0 3 | 18 8 | 1 39 | 9 18 | 11 17 | 23 25 | 23 24 | 16 38 | 12 9 | 1 41 |
| W21 | 7 29 | 23 32 | 0 55 | 17 13 | 1 46 | 19 25 | 1 47 | 10 50 | 4 8 | 23 28 | 0 2 | 19 1 | 1 58 | 21 59 | 0 3 | 18 8 | 1 39 | 9 18 | 11 17 | 23 25 | 23 24 | 16 40 | 12 10 | 1 41 |
| T 22 | 7 6 | 23 19 | 0n10 | 16 50 | 1 51 | 19 18 | 1 42 | 10 58 | 4 7 | 23 29 | 0 3 | 19 1 | 1 58 | 22 0 | 0 3 | 18 9 | 1 39 | 9 18 | 11 17 | 23 25 | 23 24 | 16 41 | 12 11 | 1 41 |
| F 23 | 6 43 | 21 57 | 1 15 | 16 26 | 1 55 | 19 11 | 1 37 | 11 6 | 4 6 | 23 29 | 0 3 | 19 1 | 1 58 | 22 0 | 0 3 | 18 9 | 1 39 | 9 19 | 11 16 | 23 25 | 23 24 | 16 43 | 12 12 | 1 41 |
| S 24 | 6 20 | 19 24 | 2 19 | 16 0 | 1 59 | 19 3 | 1 32 | 11 15 | 4 5 | 23 29 | 0 3 | 19 1 | 1 59 | 22 0 | 0 3 | 18 9 | 1 39 | 9 19 | 11 16 | 23 25 | 23 24 | 16 45 | 12 13 | 1 41 |
| S 25 | 5 57 | 15 46 | 3 17 | 15 33 | 2 2 | 18 54 | 1 27 | 11 23 | 4 4 | 23 29 | 0 3 | 19 1 | 1 59 | 22 0 | 0 3 | 18 9 | 1 39 | 9 19 | 11 16 | 23 25 | 23 24 | 16 47 | 12 14 | 1 41 |
| M26 | 5 34 | 11 10 | 4 6 | 15 5 | 2 6 | 18 45 | 1 22 | 11 31 | 4 3 | 23 29 | 0 3 | 19 1 | 1 59 | 22 0 | 0 3 | 18 10 | 1 39 | 9 20 | 11 15 | 23 25 | 23 24 | 16 49 | 12 15 | 1 41 |
| T 27 | 5 10 | 5 51 | 4 41 | 14 36 | 2 8 | 18 35 | 1 17 | 11 38 | 4 2 | 23 30 | 0 3 | 19 1 | 1 59 | 22 0 | 0 3 | 18 10 | 1 39 | 9 20 | 11 15 | 23 24 | 23 24 | 16 50 | 12 16 | 1 41 |
| W28 | 4s47 | 0s 6 | 4n59 | 14s 5 | 2s11 | 18s25 | 1n12 | 11n46 | 4n 1 | 23n30 | 0n 3 | 19s 1 | 1n59 | 22s 0 | 0n 3 | 18n10 | 1s39 | 9n21 | 11s15 | 23s24 | 23s23 | 16s52 | 12n17 | 1s41 |

Julian Day Number = 2231343.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'48, Lahiri = 15°26'48 Julian Calendar 1 Feb. 1397 == Greg. Calendar 9 Feb. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## MARCH 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 8 13 | 18♓56'12 | 3♈ 3 | 0♓ 6 | 3♒58 | 9°R 3 | 25♊41 | 3♐44 | 10♐12 | 27♉59 | 0♊41 | 24°R 7 | 24♐ 8 | 5♏ 0 | 6♉59 | T 1 |
| F 2 | 11 12 9 | 19°55'51 | 17°59 | 1°43 | 5° 5 | 8♍41 | 25°45 | 3°44 | 10°12 | 28° 0 | 0°41 | 23♐56 | 24° 5 | 5° 7 | 7° 2 | F 2 |
| S 3 | 11 16 6 | 20°55'27 | 2♉50 | 3°22 | 6°12 | 8°18 | 25°48 | 3°45 | 10°13 | 28° 1 | 0°42 | 23°48 | 24° 2 | 5°13 | 7° 6 | S 3 |
| S 4 | 11 20 2 | 21°55'01 | 17°30 | 5° 2 | 7°20 | 7°56 | 25°52 | 3°R45 | 10°13 | 28° 2 | 0°43 | 23°43 | 23°59 | 5°20 | 7° 9 | S 4 |
| M 5 | 11 23 59 | 22°54'33 | 1♊54 | 6°43 | 8°27 | 7°35 | 25°57 | 3°45 | 10°13 | 28° 3 | 0°43 | 23°40 | 23°56 | 5°27 | 7°12 | M 5 |
| T 6 | 11 27 55 | 23°54'03 | 15°58 | 8°26 | 9°35 | 7°14 | 26° 1 | 3°45 | 10°13 | 28° 4 | 0°44 | 23°39 | 23°53 | 5°33 | 7°15 | T 6 |
| W 7 | 11 31 52 | 24°53'30 | 29°43 | 10°10 | 10°42 | 6°53 | 26° 5 | 3°44 | 10°R13 | 28° 6 | 0°44 | 23°39 | 23°49 | 5°40 | 7°19 | W 7 |
| T 8 | 11 35 49 | 25°52'55 | 13♋11 | 11°55 | 11°50 | 6°33 | 26°10 | 3°44 | 10°13 | 28° 7 | 0°45 | 23°38 | 23°46 | 5°47 | 7°22 | T 8 |
| F 9 | 11 39 45 | 26°52'17 | 26°22 | 13°42 | 12°58 | 6°13 | 26°15 | 3°44 | 10°13 | 28° 8 | 0°46 | 23°36 | 23°43 | 5°53 | 7°26 | F 9 |
| S 10 | 11 43 42 | 27°51'37 | 9♌19 | 15°29 | 14° 6 | 5°54 | 26°20 | 3°43 | 10°13 | 28° 9 | 0°46 | 23°31 | 23°40 | 6° 0 | 7°29 | S 10 |
| S 11 | 11 47 38 | 28°50'55 | 22° 5 | 17°19 | 15°14 | 5°35 | 26°25 | 3°43 | 10°12 | 28°11 | 0°47 | 23°23 | 23°37 | 6° 7 | 7°33 | S 11 |
| M12 | 11 51 35 | 29°50'10 | 4♍40 | 19° 9 | 16°22 | 5°18 | 26°31 | 3°42 | 10°12 | 28°12 | 0°48 | 23°12 | 23°33 | 6°13 | 7°36 | M12 |
| T 13 | 11 55 31 | 0♈49'24 | 17° 5 | 21° 1 | 17°31 | 5° 0 | 26°36 | 3°41 | 10°12 | 28°13 | 0°49 | 22°59 | 23°30 | 6°20 | 7°40 | T 13 |
| W14 | 11 59 28 | 1°48'35 | 29°20 | 22°54 | 18°39 | 4°44 | 26°42 | 3°40 | 10°11 | 28°15 | 0°49 | 22°46 | 23°27 | 6°27 | 7°43 | W14 |
| T 15 | 12 3 24 | 2°47'44 | 11♎28 | 24°49 | 19°48 | 4°28 | 26°48 | 3°39 | 10°11 | 28°16 | 0°50 | 22°32 | 23°24 | 6°34 | 7°47 | T 15 |
| F 16 | 12 7 21 | 3°46'51 | 23°27 | 26°45 | 20°57 | 4°13 | 26°54 | 3°38 | 10°11 | 28°18 | 0°51 | 22°19 | 23°21 | 6°40 | 7°50 | F 16 |
| S 17 | 12 11 17 | 4°45'56 | 5♏21 | 28°42 | 22° 5 | 3°58 | 27° 0 | 3°37 | 10°10 | 28°19 | 0°52 | 22° 9 | 23°18 | 6°47 | 7°54 | S 17 |
| S 18 | 12 15 14 | 5°44'59 | 17°10 | 0♈40 | 23°14 | 3°44 | 27° 6 | 3°36 | 10° 9 | 28°21 | 0°53 | 22° 1 | 23°14 | 6°54 | 7°58 | S 18 |
| M19 | 12 19 11 | 6°44'00 | 28°59 | 2°40 | 24°23 | 3°31 | 27°13 | 3°34 | 10° 9 | 28°22 | 0°54 | 21°57 | 23°11 | 7° 0 | 8° 2 | M19 |
| T 20 | 12 23 7 | 7°43'00 | 10♐50 | 4°41 | 25°32 | 3°19 | 27°19 | 3°33 | 10° 8 | 28°24 | 0°54 | 21°54 | 23° 8 | 7° 7 | 8° 5 | T 20 |
| W21 | 12 27 4 | 8°41'58 | 22°49 | 6°43 | 26°42 | 3° 8 | 27°26 | 3°31 | 10° 7 | 28°25 | 0°55 | 21°D54 | 23° 5 | 7°14 | 8° 9 | W21 |
| T 22 | 12 31 0 | 9°40'54 | 5♑ 0 | 8°47 | 27°51 | 2°57 | 27°33 | 3°30 | 10° 7 | 28°27 | 0°56 | 21°R54 | 23° 2 | 7°20 | 8°13 | T 22 |
| F 23 | 12 34 57 | 10°39'48 | 17°28 | 10°51 | 29° 0 | 2°47 | 27°40 | 3°28 | 10° 6 | 28°28 | 0°57 | 21°54 | 22°58 | 7°27 | 8°17 | F 23 |
| S 24 | 12 38 53 | 11°38'40 | 0♒20 | 12°56 | 0♓10 | 2°38 | 27°47 | 3°26 | 10° 5 | 28°30 | 0°58 | 21°53 | 22°55 | 7°34 | 8°21 | S 24 |
| S 25 | 12 42 50 | 12°37'31 | 13°38 | 15° 1 | 1°19 | 2°29 | 27°54 | 3°24 | 10° 4 | 28°32 | 0°59 | 21°49 | 22°52 | 7°40 | 8°25 | S 25 |
| M26 | 12 46 46 | 13°36'19 | 27°26 | 17° 7 | 2°29 | 2°22 | 28° 2 | 3°22 | 10° 3 | 28°33 | 1° 0 | 21°43 | 22°49 | 7°47 | 8°29 | M26 |
| T 27 | 12 50 43 | 14°35'06 | 11♓43 | 19°14 | 3°38 | 2°15 | 28° 9 | 3°20 | 10° 2 | 28°35 | 1° 1 | 21°35 | 22°46 | 7°54 | 8°33 | T 27 |
| W28 | 12 54 40 | 15°33'52 | 26°25 | 21°20 | 4°48 | 2° 9 | 28°17 | 3°18 | 10° 1 | 28°37 | 1° 2 | 21°25 | 22°43 | 8° 0 | 8°36 | W28 |
| T 29 | 12 58 36 | 16°32'35 | 11♈27 | 23°26 | 5°58 | 2° 4 | 28°25 | 3°16 | 10° 0 | 28°39 | 1° 3 | 21°15 | 22°39 | 8° 7 | 8°40 | T 29 |
| F 30 | 13 2 33 | 17°31'16 | 26°39 | 25°31 | 7° 8 | 1°59 | 28°33 | 3°13 | 9°59 | 28°40 | 1° 4 | 21° 6 | 22°36 | 8°14 | 8°44 | F 30 |
| S 31 | 13 6 29 | 18♈29'55 | 11♉49 | 27♈36 | 8♓18 | 1♍55 | 28♊41 | 3♐11 | 9♐58 | 28♉42 | 1♊ 5 | 20♐59 | 22♐33 | 8♏20 | 8♉49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s23 | 5n45 | 4n57 | 13s32 | 2s12 | 18s14 | 1n 7 | 11n54 | 3n59 | 23n30 | 0n 3 | 19s 1 | 1n59 | 22s 0 | 0n 3 | 18n11 | 1s38 | 9n21 | 11s15 | 23s23 | 23s23 | 16s54 | 12n18 | 1s41 |
| F 2 | 4 0 | 11 18 | 4 35 | 12 59 | 2 14 | 18 3 | 1 2 | 12 1 | 3 58 | 23 30 | 0 3 | 19 1 | 1 59 | 22 0 | 0 3 | 18 11 | 1 38 | 9 21 | 11 14 | 23 23 | 23 23 | 16 56 | 12 19 | 1 41 |
| S 3 | 3 37 | 16 9 | 3 54 | 12 24 | 2 15 | 17 51 | 0 58 | 12 8 | 3 56 | 23 31 | 0 4 | 19 1 | 2 0 | 22 0 | 0 3 | 18 11 | 1 38 | 9 22 | 11 14 | 23 22 | 23 23 | 16 57 | 12 20 | 1 41 |
| S 4 | 3 13 | 19 58 | 2 58 | 11 48 | 2 15 | 17 39 | 0 53 | 12 14 | 3 55 | 23 31 | 0 4 | 19 1 | 2 0 | 22 0 | 0 3 | 18 11 | 1 38 | 9 22 | 11 14 | 23 22 | 23 23 | 16 59 | 12 21 | 1 41 |
| M 5 | 2 49 | 22 26 | 1 52 | 11 10 | 2 16 | 17 26 | 0 48 | 12 21 | 3 53 | 23 31 | 0 4 | 19 0 | 2 0 | 22 0 | 0 3 | 18 12 | 1 38 | 9 22 | 11 14 | 23 22 | 23 23 | 17 1 | 12 22 | 1 41 |
| T 6 | 2 26 | 23 27 | 0 41 | 10 31 | 2 15 | 17 13 | 0 43 | 12 27 | 3 51 | 23 31 | 0 4 | 19 0 | 2 0 | 22 0 | 0 3 | 18 12 | 1 38 | 9 23 | 11 13 | 23 22 | 23 23 | 17 2 | 12 23 | 1 41 |
| W 7 | 2 2 | 22 59 | 0s32 | 9 51 | 2 14 | 16 59 | 0 39 | 12 33 | 3 49 | 23 32 | 0 4 | 19 0 | 2 0 | 22 0 | 0 3 | 18 12 | 1 38 | 9 23 | 11 13 | 23 22 | 23 22 | 17 4 | 12 24 | 1 41 |
| T 8 | 1 39 | 21 11 | 1 41 | 9 10 | 2 13 | 16 45 | 0 34 | 12 39 | 3 47 | 23 32 | 0 4 | 19 0 | 2 0 | 22 0 | 0 3 | 18 13 | 1 38 | 9 23 | 11 13 | 23 22 | 23 22 | 17 6 | 12 25 | 1 41 |
| F 9 | 1 15 | 18 16 | 2 44 | 8 27 | 2 11 | 16 30 | 0 30 | 12 44 | 3 45 | 23 32 | 0 4 | 19 0 | 2 0 | 22 0 | 0 3 | 18 13 | 1 38 | 9 24 | 11 13 | 23 22 | 23 22 | 17 8 | 12 26 | 1 42 |
| S 10 | 0 51 | 14 30 | 3 36 | 7 43 | 2 9 | 16 15 | 0 25 | 12 50 | 3 43 | 23 32 | 0 4 | 18 59 | 2 1 | 22 0 | 0 3 | 18 13 | 1 38 | 9 24 | 11 12 | 23 21 | 23 22 | 17 9 | 12 27 | 1 42 |
| S 11 | 0 28 | 10 8 | 4 17 | 6 58 | 2 6 | 15 59 | 0 21 | 12 54 | 3 41 | 23 33 | 0 4 | 18 59 | 2 1 | 22 0 | 0 3 | 18 14 | 1 38 | 9 25 | 11 12 | 23 21 | 23 22 | 17 11 | 12 28 | 1 42 |
| M12 | 0 4 | 5 25 | 4 45 | 6 11 | 2 3 | 15 43 | 0 16 | 12 59 | 3 38 | 23 33 | 0 5 | 18 59 | 2 1 | 22 0 | 0 3 | 18 14 | 1 38 | 9 25 | 11 12 | 23 21 | 23 22 | 17 13 | 12 29 | 1 42 |
| T 13 | 0n20 | 0 32 | 4 58 | 5 24 | 1 59 | 15 27 | 0 12 | 13 3 | 3 36 | 23 33 | 0 5 | 18 59 | 2 1 | 22 0 | 0 3 | 18 14 | 1 38 | 9 25 | 11 12 | 23 20 | 23 21 | 17 14 | 12 31 | 1 42 |
| W14 | 0 43 | 4s17 | 4 58 | 4 35 | 1 55 | 15 10 | 0 8 | 13 7 | 3 34 | 23 33 | 0 5 | 18 58 | 2 1 | 22 0 | 0 3 | 18 15 | 1 38 | 9 26 | 11 11 | 23 19 | 23 21 | 17 16 | 12 32 | 1 42 |
| T 15 | 1 7 | 8 54 | 4 44 | 3 45 | 1 50 | 14 52 | 0 3 | 13 11 | 3 32 | 23 34 | 0 5 | 18 58 | 2 1 | 22 0 | 0 3 | 18 15 | 1 38 | 9 26 | 11 11 | 23 18 | 23 21 | 17 18 | 12 33 | 1 42 |
| F 16 | 1 30 | 13 7 | 4 18 | 2 54 | 1 44 | 14 34 | 0s 1 | 13 14 | 3 29 | 23 34 | 0 5 | 18 58 | 2 1 | 22 0 | 0 3 | 18 15 | 1 38 | 9 27 | 11 11 | 23 18 | 23 21 | 17 19 | 12 34 | 1 42 |
| S 17 | 1 54 | 16 48 | 3 40 | 2 1 | 1 38 | 14 16 | 0 5 | 13 17 | 3 27 | 23 34 | 0 5 | 18 57 | 2 2 | 22 0 | 0 3 | 18 16 | 1 38 | 9 27 | 11 11 | 23 17 | 23 21 | 17 21 | 12 35 | 1 42 |
| S 18 | 2 17 | 19 47 | 2 53 | 1 8 | 1 32 | 13 57 | 0 9 | 13 20 | 3 24 | 23 34 | 0 5 | 18 57 | 2 2 | 22 0 | 0 3 | 18 16 | 1 38 | 9 27 | 11 10 | 23 17 | 23 21 | 17 23 | 12 36 | 1 42 |
| M19 | 2 41 | 21 55 | 1 58 | 0 14 | 1 25 | 13 38 | 0 13 | 13 23 | 3 22 | 23 34 | 0 5 | 18 57 | 2 2 | 22 0 | 0 3 | 18 17 | 1 37 | 9 28 | 11 10 | 23 16 | 23 20 | 17 24 | 12 37 | 1 42 |
| T 20 | 3 4 | 23 6 | 0 58 | 0n41 | 1 17 | 13 19 | 0 17 | 13 25 | 3 19 | 23 35 | 0 5 | 18 56 | 2 2 | 22 0 | 0 3 | 18 17 | 1 37 | 9 28 | 11 10 | 23 16 | 23 20 | 17 26 | 12 39 | 1 42 |
| W21 | 3 28 | 23 14 | 0n 5 | 1 37 | 1 10 | 12 59 | 0 21 | 13 27 | 3 17 | 23 35 | 0 5 | 18 56 | 2 2 | 22 0 | 0 3 | 18 17 | 1 37 | 9 29 | 11 10 | 23 16 | 23 20 | 17 28 | 12 40 | 1 42 |
| T 22 | 3 51 | 22 16 | 1 9 | 2 33 | 1 1 | 12 38 | 0 24 | 13 28 | 3 14 | 23 35 | 0 6 | 18 55 | 2 2 | 21 59 | 0 3 | 18 18 | 1 37 | 9 29 | 11 10 | 23 16 | 23 20 | 17 29 | 12 41 | 1 42 |
| F 23 | 4 14 | 20 12 | 2 12 | 3 30 | 0 52 | 12 18 | 0 28 | 13 29 | 3 11 | 23 35 | 0 6 | 18 55 | 2 2 | 21 59 | 0 3 | 18 18 | 1 37 | 9 29 | 11 9 | 23 16 | 23 20 | 17 31 | 12 42 | 1 42 |
| S 24 | 4 37 | 17 4 | 3 9 | 4 28 | 0 43 | 11 57 | 0 32 | 13 30 | 3 9 | 23 36 | 0 6 | 18 54 | 2 2 | 21 59 | 0 3 | 18 19 | 1 37 | 9 30 | 11 9 | 23 16 | 23 20 | 17 32 | 12 43 | 1 42 |
| S 25 | 5 0 | 12 58 | 3 59 | 5 26 | 0 33 | 11 35 | 0 35 | 13 31 | 3 6 | 23 36 | 0 6 | 18 54 | 2 2 | 21 59 | 0 3 | 18 19 | 1 37 | 9 30 | 11 9 | 23 16 | 23 19 | 17 34 | 12 45 | 1 42 |
| M26 | 5 23 | 8 4 | 4 37 | 6 24 | 0 23 | 11 14 | 0 39 | 13 31 | 3 4 | 23 36 | 0 6 | 18 53 | 2 3 | 21 59 | 0 3 | 18 19 | 1 37 | 9 30 | 11 9 | 23 15 | 23 19 | 17 36 | 12 46 | 1 42 |
| T 27 | 5 46 | 2 35 | 4 59 | 7 21 | 0 13 | 10 52 | 0 42 | 13 31 | 3 1 | 23 36 | 0 6 | 18 53 | 2 3 | 21 59 | 0 3 | 18 20 | 1 37 | 9 31 | 11 8 | 23 15 | 23 19 | 17 37 | 12 47 | 1 42 |
| W28 | 6 9 | 3n11 | 5 2 | 8 19 | 0 2 | 10 29 | 0 45 | 13 31 | 2 58 | 23 36 | 0 6 | 18 52 | 2 3 | 21 59 | 0 3 | 18 20 | 1 37 | 9 31 | 11 8 | 23 14 | 23 19 | 17 39 | 12 48 | 1 42 |
| T 29 | 6 31 | 8 54 | 4 45 | 9 16 | 0n 9 | 10 6 | 0 49 | 13 30 | 2 56 | 23 37 | 0 6 | 18 52 | 2 3 | 21 58 | 0 3 | 18 21 | 1 37 | 9 32 | 11 8 | 23 14 | 23 19 | 17 41 | 12 50 | 1 42 |
| F 30 | 6 54 | 14 9 | 4 7 | 10 12 | 0 20 | 9 43 | 0 52 | 13 30 | 2 53 | 23 37 | 0 6 | 18 51 | 2 3 | 21 58 | 0 3 | 18 21 | 1 37 | 9 32 | 11 8 | 23 13 | 23 19 | 17 42 | 12 51 | 1 42 |
| S 31 | 7n16 | 18n29 | 3n12 | 11n 8 | 0n31 | 9s20 | 0s55 | 13n28 | 2n50 | 23n37 | 0n 6 | 18s51 | 2n 3 | 21s58 | 0n 3 | 18n22 | 1s37 | 9n32 | 11s 8 | 23s13 | 23s18 | 17s44 | 12n52 | 1s42 |

Julian Day Number = 2231371.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'52, Lahiri = 15°26'52 Julian Calendar 1 March 1397 == Greg. Calendar 9 March 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## APRIL 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 10 26 | 19♈28'33 | 26♉49 | 29♈39 | 9♓28 | 1°R53 | 28♊49 | 3°R 8 | 9°R56 | 28♉44 | 1♊ 6 | 20°R54 | 22♐30 | 8♏27 | 8♉53 | S 1 |
| M 2 | 13 14 22 | 20°27'08 | 11♊30 | 1♉40 | 10°38 | 1♍50 | 28°58 | 3♐ 6 | 9♐55 | 28°46 | 1° 7 | 20♐52 | 22°27 | 8°34 | 8°57 | M 2 |
| T 3 | 13 18 19 | 21°25'41 | 25°48 | 3°40 | 11°48 | 1°49 | 29° 6 | 3° 3 | 9°54 | 28°48 | 1° 8 | 20°D52 | 22°24 | 8°41 | 9° 1 | T 3 |
| W 4 | 13 22 15 | 22°24'12 | 9♋42 | 5°37 | 12°58 | 1°D49 | 29°15 | 3° 0 | 9°53 | 28°50 | 1° 9 | 20°53 | 22°20 | 8°47 | 9° 5 | W 4 |
| T 5 | 13 26 12 | 23°22'40 | 23°12 | 7°32 | 14° 8 | 1°49 | 29°23 | 2°58 | 9°51 | 28°52 | 1°10 | 20°R53 | 22°17 | 8°54 | 9° 9 | T 5 |
| F 6 | 13 30 9 | 24°21'07 | 6♌20 | 9°25 | 15°19 | 1°50 | 29°32 | 2°55 | 9°50 | 28°53 | 1°12 | 20°52 | 22°14 | 9° 1 | 9°13 | F 6 |
| S 7 | 13 34 5 | 25°19'31 | 19°10 | 11°14 | 16°29 | 1°51 | 29°41 | 2°52 | 9°48 | 28°55 | 1°13 | 20°50 | 22°11 | 9° 7 | 9°17 | S 7 |
| S 8 | 13 38 2 | 26°17'53 | 1♍44 | 12°59 | 17°39 | 1°54 | 29°50 | 2°49 | 9°47 | 28°57 | 1°14 | 20°45 | 22° 8 | 9°14 | 9°21 | S 8 |
| M 9 | 13 41 58 | 27°16'12 | 14° 6 | 14°42 | 18°50 | 1°57 | 29°59 | 2°45 | 9°45 | 28°59 | 1°15 | 20°37 | 22° 4 | 9°21 | 9°26 | M 9 |
| T 10 | 13 45 55 | 28°14'30 | 26°18 | 16°20 | 20° 0 | 2° 1 | 0♎ 9 | 2°42 | 9°43 | 29° 1 | 1°16 | 20°29 | 22° 1 | 9°27 | 9°30 | T 10 |
| W11 | 13 49 51 | 29°12'46 | 8♎23 | 17°55 | 21°11 | 2° 5 | 0°18 | 2°39 | 9°42 | 29° 3 | 1°17 | 20°19 | 21°58 | 9°34 | 9°34 | W11 |
| T 12 | 13 53 48 | 0♉11'00 | 20°20 | 19°25 | 22°22 | 2°10 | 0°28 | 2°36 | 9°40 | 29° 5 | 1°19 | 20° 9 | 21°55 | 9°41 | 9°38 | T 12 |
| F 13 | 13 57 44 | 1° 9'12 | 2♏14 | 20°52 | 23°32 | 2°16 | 0°37 | 2°32 | 9°38 | 29° 7 | 1°20 | 20° 1 | 21°52 | 9°47 | 9°42 | F 13 |
| S 14 | 14 1 41 | 2° 7'23 | 14° 4 | 22°14 | 24°43 | 2°23 | 0°47 | 2°29 | 9°37 | 29° 9 | 1°21 | 19°54 | 21°49 | 9°54 | 9°47 | S 14 |
| S 15 | 14 5 38 | 3° 5'31 | 25°53 | 23°32 | 25°54 | 2°30 | 0°57 | 2°25 | 9°35 | 29°11 | 1°22 | 19°49 | 21°45 | 10° 1 | 9°51 | S 15 |
| M16 | 14 9 34 | 4° 3'38 | 7♐43 | 24°46 | 27° 4 | 2°38 | 1° 7 | 2°22 | 9°33 | 29°13 | 1°23 | 19°46 | 21°42 | 10° 7 | 9°55 | M16 |
| T 17 | 14 13 31 | 5° 1'44 | 19°38 | 25°55 | 28°15 | 2°46 | 1°17 | 2°18 | 9°31 | 29°15 | 1°25 | 19°D45 | 21°39 | 10°14 | 9°59 | T 17 |
| W18 | 14 17 27 | 5°59'48 | 1♑40 | 26°59 | 29°26 | 2°55 | 1°27 | 2°14 | 9°29 | 29°18 | 1°26 | 19°46 | 21°36 | 10°21 | 10° 4 | W18 |
| T 19 | 14 21 24 | 6°57'51 | 13°53 | 27°59 | 0♈37 | 3° 5 | 1°37 | 2°11 | 9°27 | 29°20 | 1°27 | 19°47 | 21°33 | 10°27 | 10° 8 | T 19 |
| F 20 | 14 25 20 | 7°55'52 | 26°22 | 28°54 | 1°48 | 3°15 | 1°48 | 2° 7 | 9°25 | 29°22 | 1°28 | 19°48 | 21°30 | 10°34 | 10°12 | F 20 |
| S 21 | 14 29 17 | 8°53'52 | 9♒11 | 29°45 | 2°59 | 3°26 | 1°58 | 2° 3 | 9°23 | 29°24 | 1°30 | 19°R49 | 21°26 | 10°41 | 10°16 | S 21 |
| S 22 | 14 33 13 | 9°51'50 | 22°24 | 0♊30 | 4°10 | 3°37 | 2° 8 | 1°59 | 9°21 | 29°26 | 1°31 | 19°48 | 21°23 | 10°47 | 10°21 | S 22 |
| M23 | 14 37 10 | 10°49'47 | 6♓ 5 | 1°11 | 5°21 | 3°49 | 2°19 | 1°55 | 9°19 | 29°28 | 1°32 | 19°46 | 21°20 | 10°54 | 10°25 | M23 |
| T 24 | 14 41 7 | 11°47'43 | 20°14 | 1°47 | 6°32 | 4° 1 | 2°30 | 1°51 | 9°17 | 29°30 | 1°34 | 19°42 | 21°17 | 11° 1 | 10°29 | T 24 |
| W25 | 14 45 3 | 12°45'37 | 4♈49 | 2°18 | 7°44 | 4°15 | 2°40 | 1°47 | 9°15 | 29°32 | 1°35 | 19°37 | 21°14 | 11° 7 | 10°33 | W25 |
| T 26 | 14 49 0 | 13°43'31 | 19°46 | 2°44 | 8°55 | 4°28 | 2°51 | 1°43 | 9°13 | 29°35 | 1°36 | 19°32 | 21°10 | 11°14 | 10°38 | T 26 |
| F 27 | 14 52 56 | 14°41'22 | 4♉57 | 3° 5 | 10° 6 | 4°42 | 3° 2 | 1°39 | 9°11 | 29°37 | 1°37 | 19°27 | 21° 7 | 11°21 | 10°42 | F 27 |
| S 28 | 14 56 53 | 15°39'13 | 20°11 | 3°21 | 11°17 | 4°57 | 3°13 | 1°35 | 9° 9 | 29°39 | 1°39 | 19°23 | 21° 4 | 11°28 | 10°46 | S 28 |
| S 29 | 15 0 49 | 16°37'02 | 5♊20 | 3°32 | 12°29 | 5°12 | 3°24 | 1°30 | 9° 7 | 29°41 | 1°40 | 19°21 | 21° 1 | 11°34 | 10°50 | S 29 |
| M30 | 15 4 46 | 17♉34'49 | 20♊13 | 3♊38 | 13♈40 | 5♍28 | 3♋35 | 1♐26 | 9♐ 4 | 29♉43 | 1♊41 | 19°D20 | 20♐58 | 11♏41 | 10♉55 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 7n39 | 21n32 | 2n 5 | 12n 2 | 0n42 | 8s56 | 0s58 | 13n27 | 2n48 | 23n37 | 0n 6 | 18s50 | 2n 3 | 21s58 | 0n 3 | 18n22 | 1s37 | 9n33 | 11s 7 | 23s12 | 23s18 | 17s45 | 12n53 | 1s42 |
| M 2 | 8 1 | 23 4 | 0 50 | 12 55 | 0 53 | 8 33 | 1 1 | 13 25 | 2 45 | 23 37 | 0 7 | 18 50 | 2 3 | 21 58 | 0 3 | 18 22 | 1 37 | 9 33 | 11 7 | 23 12 | 23 18 | 17 47 | 12 55 | 1 42 |
| T 3 | 8 23 | 23 1 | 0s26 | 13 47 | 1 4 | 8 8 | 1 4 | 13 23 | 2 43 | 23 37 | 0 7 | 18 49 | 2 3 | 21 58 | 0 3 | 18 23 | 1 37 | 9 34 | 11 7 | 23 12 | 23 18 | 17 48 | 12 56 | 1 42 |
| W 4 | 8 45 | 21 31 | 1 39 | 14 36 | 1 14 | 7 44 | 1 6 | 13 21 | 2 40 | 23 38 | 0 7 | 18 48 | 2 4 | 21 57 | 0 3 | 18 23 | 1 37 | 9 34 | 11 7 | 23 12 | 23 18 | 17 50 | 12 57 | 1 42 |
| T 5 | 9 7 | 18 49 | 2 44 | 15 24 | 1 25 | 7 19 | 1 9 | 13 19 | 2 37 | 23 38 | 0 7 | 18 48 | 2 4 | 21 57 | 0 3 | 18 24 | 1 37 | 9 34 | 11 7 | 23 12 | 23 18 | 17 52 | 12 58 | 1 43 |
| F 6 | 9 28 | 15 13 | 3 39 | 16 10 | 1 34 | 6 55 | 1 12 | 13 16 | 2 35 | 23 38 | 0 7 | 18 47 | 2 4 | 21 57 | 0 3 | 18 24 | 1 37 | 9 35 | 11 7 | 23 12 | 23 17 | 17 53 | 13 0 | 1 43 |
| S 7 | 9 50 | 10 59 | 4 21 | 16 53 | 1 44 | 6 29 | 1 14 | 13 13 | 2 32 | 23 38 | 0 7 | 18 46 | 2 4 | 21 57 | 0 3 | 18 25 | 1 37 | 9 35 | 11 6 | 23 12 | 23 17 | 17 55 | 13 1 | 1 43 |
| S 8 | 10 11 | 6 23 | 4 49 | 17 34 | 1 53 | 6 4 | 1 17 | 13 10 | 2 30 | 23 38 | 0 7 | 18 46 | 2 4 | 21 57 | 0 3 | 18 25 | 1 37 | 9 36 | 11 6 | 23 12 | 23 17 | 17 56 | 13 2 | 1 43 |
| M 9 | 10 32 | 1 36 | 5 4 | 18 13 | 2 1 | 5 39 | 1 19 | 13 6 | 2 27 | 23 38 | 0 7 | 18 45 | 2 4 | 21 56 | 0 3 | 18 26 | 1 37 | 9 36 | 11 6 | 23 11 | 23 17 | 17 58 | 13 3 | 1 43 |
| T 10 | 10 53 | 3s11 | 5 4 | 18 49 | 2 8 | 5 13 | 1 21 | 13 2 | 2 25 | 23 38 | 0 7 | 18 44 | 2 4 | 21 56 | 0 3 | 18 26 | 1 37 | 9 36 | 11 6 | 23 10 | 23 17 | 17 59 | 13 5 | 1 43 |
| W11 | 11 14 | 7 47 | 4 51 | 19 23 | 2 15 | 4 47 | 1 23 | 12 59 | 2 22 | 23 38 | 0 7 | 18 44 | 2 4 | 21 56 | 0 3 | 18 26 | 1 37 | 9 37 | 11 6 | 23 10 | 23 16 | 18 1 | 13 6 | 1 43 |
| T 12 | 11 34 | 12 4 | 4 25 | 19 54 | 2 21 | 4 21 | 1 26 | 12 54 | 2 20 | 23 38 | 0 7 | 18 43 | 2 4 | 21 56 | 0 3 | 18 27 | 1 37 | 9 37 | 11 6 | 23 9 | 23 16 | 18 2 | 13 7 | 1 43 |
| F 13 | 11 55 | 15 51 | 3 48 | 20 23 | 2 26 | 3 55 | 1 28 | 12 50 | 2 17 | 23 38 | 0 8 | 18 42 | 2 4 | 21 55 | 0 3 | 18 27 | 1 37 | 9 38 | 11 5 | 23 8 | 23 16 | 18 4 | 13 8 | 1 43 |
| S 14 | 12 15 | 18 59 | 3 0 | 20 49 | 2 31 | 3 28 | 1 29 | 12 45 | 2 15 | 23 39 | 0 8 | 18 42 | 2 4 | 21 55 | 0 3 | 18 28 | 1 36 | 9 38 | 11 5 | 23 8 | 23 16 | 18 6 | 13 10 | 1 43 |
| S 15 | 12 35 | 21 19 | 2 5 | 21 12 | 2 34 | 3 2 | 1 31 | 12 40 | 2 12 | 23 39 | 0 8 | 18 41 | 2 4 | 21 55 | 0 3 | 18 28 | 1 36 | 9 38 | 11 5 | 23 7 | 23 16 | 18 7 | 13 11 | 1 43 |
| M16 | 12 55 | 22 44 | 1 5 | 21 33 | 2 37 | 2 35 | 1 33 | 12 35 | 2 10 | 23 39 | 0 8 | 18 40 | 2 4 | 21 55 | 0 3 | 18 29 | 1 36 | 9 39 | 11 5 | 23 7 | 23 15 | 18 9 | 13 12 | 1 43 |
| T 17 | 13 14 | 23 7 | 0 1 | 21 52 | 2 39 | 2 9 | 1 35 | 12 30 | 2 8 | 23 39 | 0 8 | 18 39 | 2 4 | 21 54 | 0 3 | 18 29 | 1 36 | 9 39 | 11 5 | 23 7 | 23 15 | 18 10 | 13 13 | 1 43 |
| W18 | 13 34 | 22 26 | 1n 4 | 22 8 | 2 39 | 1 42 | 1 36 | 12 25 | 2 5 | 23 39 | 0 8 | 18 39 | 2 4 | 21 54 | 0 3 | 18 30 | 1 36 | 9 39 | 11 5 | 23 7 | 23 15 | 18 12 | 13 15 | 1 43 |
| T 19 | 13 53 | 20 41 | 2 7 | 22 21 | 2 39 | 1 15 | 1 38 | 12 19 | 2 3 | 23 38 | 0 8 | 18 38 | 2 5 | 21 54 | 0 3 | 18 30 | 1 36 | 9 40 | 11 4 | 23 7 | 23 15 | 18 13 | 13 16 | 1 44 |
| F 20 | 14 12 | 17 55 | 3 6 | 22 33 | 2 38 | 0 48 | 1 39 | 12 13 | 2 1 | 23 38 | 0 8 | 18 37 | 2 5 | 21 54 | 0 3 | 18 31 | 1 36 | 9 40 | 11 4 | 23 7 | 23 15 | 18 15 | 13 17 | 1 44 |
| S 21 | 14 31 | 14 13 | 3 56 | 22 41 | 2 35 | 0 21 | 1 40 | 12 7 | 1 58 | 23 38 | 0 8 | 18 36 | 2 5 | 21 53 | 0 3 | 18 31 | 1 36 | 9 41 | 11 4 | 23 7 | 23 14 | 18 16 | 13 18 | 1 44 |
| S 22 | 14 49 | 9 44 | 4 36 | 22 48 | 2 32 | 0n 7 | 1 42 | 12 1 | 1 56 | 23 38 | 0 8 | 18 35 | 2 5 | 21 53 | 0 3 | 18 32 | 1 36 | 9 41 | 11 4 | 23 7 | 23 14 | 18 18 | 13 20 | 1 44 |
| M23 | 15 7 | 4 37 | 5 2 | 22 52 | 2 28 | 0 34 | 1 43 | 11 54 | 1 54 | 23 38 | 0 8 | 18 35 | 2 5 | 21 53 | 0 3 | 18 32 | 1 36 | 9 41 | 11 4 | 23 7 | 23 14 | 18 19 | 13 21 | 1 44 |
| T 24 | 15 25 | 0n53 | 5 11 | 22 54 | 2 22 | 1 1 | 1 44 | 11 48 | 1 52 | 23 38 | 0 8 | 18 34 | 2 5 | 21 52 | 0 3 | 18 33 | 1 36 | 9 42 | 11 4 | 23 7 | 23 14 | 18 21 | 13 22 | 1 44 |
| W25 | 15 43 | 6 31 | 5 0 | 22 54 | 2 16 | 1 28 | 1 45 | 11 41 | 1 49 | 23 38 | 0 9 | 18 33 | 2 5 | 21 52 | 0 3 | 18 33 | 1 36 | 9 42 | 11 4 | 23 7 | 23 14 | 18 22 | 13 23 | 1 44 |
| T 26 | 16 1 | 11 54 | 4 29 | 22 52 | 2 8 | 1 56 | 1 45 | 11 34 | 1 47 | 23 38 | 0 9 | 18 32 | 2 5 | 21 52 | 0 3 | 18 34 | 1 36 | 9 42 | 11 4 | 23 6 | 23 13 | 18 23 | 13 25 | 1 44 |
| F 27 | 16 18 | 16 39 | 3 39 | 22 47 | 1 59 | 2 23 | 1 46 | 11 27 | 1 45 | 23 38 | 0 9 | 18 31 | 2 5 | 21 51 | 0 3 | 18 34 | 1 36 | 9 43 | 11 4 | 23 6 | 23 13 | 18 25 | 13 26 | 1 44 |
| S 28 | 16 35 | 20 18 | 2 33 | 22 41 | 1 49 | 2 50 | 1 47 | 11 19 | 1 43 | 23 37 | 0 9 | 18 30 | 2 5 | 21 51 | 0 3 | 18 35 | 1 36 | 9 43 | 11 3 | 23 5 | 23 13 | 18 26 | 13 27 | 1 44 |
| S 29 | 16 51 | 22 30 | 1 16 | 22 33 | 1 39 | 3 18 | 1 48 | 11 12 | 1 41 | 23 37 | 0 9 | 18 30 | 2 5 | 21 51 | 0 3 | 18 35 | 1 36 | 9 43 | 11 3 | 23 5 | 23 13 | 18 28 | 13 28 | 1 44 |
| M30 | 17n 8 | 23n 5 | 0s 5 | 22n22 | 1n27 | 3n45 | 1s48 | 11n 4 | 1n39 | 23n37 | 0n 9 | 18s29 | 2n 5 | 21s50 | 0n 3 | 18n36 | 1s36 | 9n44 | 11s 3 | 23s 5 | 23s12 | 18s29 | 13n30 | 1s44 |

Julian Day Number = 2231402.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°19'56, Lahiri = 15°26'56 Julian Calendar 1 Apr. 1397 == Greg. Calendar 9 Apr. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## MAY 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 8 42 | 18♉32'35 | 4♋44 | 3°R39 | 14♈51 | 5♍44 | 3♋47 | 1°R22 | 9°R 2 | 29♉46 | 1♊43 | 19♐21 | 20♐55 | 11♏48 | 10♉59 | T 1 |
| W 2 | 15 12 39 | 19°30'20 | 18°49 | 3♊35 | 16° 3 | 6° 0 | 3°58 | 1♐18 | 9♐ 0 | 29°48 | 1°44 | 19°22 | 20°51 | 11°54 | 11° 3 | W 2 |
| T 3 | 15 16 36 | 20°28'02 | 2♌27 | 3°27 | 17°14 | 6°17 | 4° 9 | 1°13 | 8°58 | 29°50 | 1°45 | 19°24 | 20°48 | 12° 1 | 11° 7 | T 3 |
| F 4 | 15 20 32 | 21°25'43 | 15°41 | 3°15 | 18°26 | 6°35 | 4°21 | 1° 9 | 8°55 | 29°52 | 1°47 | 19°R25 | 20°45 | 12° 8 | 11°12 | F 4 |
| S 5 | 15 24 29 | 22°23'23 | 28°32 | 2°58 | 19°37 | 6°53 | 4°32 | 1° 5 | 8°53 | 29°54 | 1°48 | 19°25 | 20°42 | 12°14 | 11°16 | S 5 |
| S 6 | 15 28 25 | 23°21'00 | 11♍ 4 | 2°38 | 20°49 | 7°11 | 4°44 | 1° 0 | 8°51 | 29°57 | 1°50 | 19°23 | 20°39 | 12°21 | 11°20 | S 6 |
| M 7 | 15 32 22 | 24°18'36 | 23°20 | 2°14 | 22° 0 | 7°30 | 4°56 | 0°56 | 8°48 | 29°59 | 1°51 | 19°21 | 20°35 | 12°28 | 11°24 | M 7 |
| T 8 | 15 36 18 | 25°16'11 | 5♎26 | 1°48 | 23°12 | 7°49 | 5° 7 | 0°52 | 8°46 | 0♊ 1 | 1°52 | 19°18 | 20°32 | 12°34 | 11°28 | T 8 |
| W 9 | 15 40 15 | 26°13'44 | 17°23 | 1°19 | 24°23 | 8° 9 | 5°19 | 0°47 | 8°43 | 0° 3 | 1°54 | 19°14 | 20°29 | 12°41 | 11°32 | W 9 |
| T 10 | 15 44 11 | 27°11'16 | 29°15 | 0°47 | 25°35 | 8°29 | 5°31 | 0°43 | 8°41 | 0° 6 | 1°55 | 19°10 | 20°26 | 12°48 | 11°37 | T 10 |
| F 11 | 15 48 8 | 28° 8'47 | 11♏ 5 | 0°15 | 26°47 | 8°49 | 5°43 | 0°38 | 8°39 | 0° 8 | 1°56 | 19° 7 | 20°23 | 12°54 | 11°41 | F 11 |
| S 12 | 15 52 5 | 29° 6'17 | 22°55 | 29♉41 | 27°58 | 9°10 | 5°55 | 0°34 | 8°36 | 0°10 | 1°58 | 19° 5 | 20°20 | 13° 1 | 11°45 | S 12 |
| S 13 | 15 56 1 | 0♊ 3'45 | 4♐46 | 29° 7 | 29°10 | 9°31 | 6° 7 | 0°29 | 8°34 | 0°12 | 1°59 | 19° 3 | 20°16 | 13° 8 | 11°49 | S 13 |
| M14 | 15 59 58 | 1° 1'13 | 16°42 | 28°34 | 0♉22 | 9°53 | 6°19 | 0°25 | 8°31 | 0°15 | 2° 0 | 19°D 2 | 20°13 | 13°14 | 11°53 | M14 |
| T 15 | 16 3 54 | 1°58'39 | 28°44 | 28° 1 | 1°33 | 10°15 | 6°31 | 0°21 | 8°29 | 0°17 | 2° 2 | 19° 3 | 20°10 | 13°21 | 11°57 | T 15 |
| W16 | 16 7 51 | 2°56'05 | 10♑55 | 27°30 | 2°45 | 10°37 | 6°44 | 0°16 | 8°27 | 0°19 | 2° 3 | 19° 3 | 20° 7 | 13°28 | 12° 1 | W16 |
| T 17 | 16 11 47 | 3°53'30 | 23°17 | 27° 1 | 3°57 | 11° 0 | 6°56 | 0°12 | 8°24 | 0°21 | 2° 5 | 19° 5 | 20° 4 | 13°34 | 12° 5 | T 17 |
| F 18 | 16 15 44 | 4°50'54 | 5♒54 | 26°34 | 5° 9 | 11°23 | 7° 8 | 0° 7 | 8°22 | 0°24 | 2° 6 | 19° 6 | 20° 1 | 13°41 | 12° 9 | F 18 |
| S 19 | 16 19 40 | 5°48'17 | 18°47 | 26°10 | 6°21 | 11°46 | 7°20 | 0° 3 | 8°19 | 0°26 | 2° 7 | 19° 7 | 19°57 | 13°48 | 12°13 | S 19 |
| S 20 | 16 23 37 | 6°45'40 | 2♓ 0 | 25°49 | 7°33 | 12° 9 | 7°33 | 29♏58 | 8°17 | 0°28 | 2° 9 | 19°R 7 | 19°54 | 13°54 | 12°17 | S 20 |
| M21 | 16 27 34 | 7°43'02 | 15°36 | 25°32 | 8°45 | 12°33 | 7°45 | 29°54 | 8°14 | 0°30 | 2°10 | 19° 7 | 19°51 | 14° 1 | 12°21 | M21 |
| T 22 | 16 31 30 | 8°40'24 | 29°35 | 25°19 | 9°57 | 12°58 | 7°58 | 29°50 | 8°12 | 0°33 | 2°11 | 19° 7 | 19°48 | 14° 8 | 12°25 | T 22 |
| W23 | 16 35 27 | 9°37'45 | 13♈56 | 25°10 | 11° 9 | 13°22 | 8°10 | 29°45 | 8° 9 | 0°35 | 2°13 | 19° 6 | 19°45 | 14°14 | 12°29 | W23 |
| T 24 | 16 39 23 | 10°35'05 | 28°37 | 25° 5 | 12°21 | 13°47 | 8°23 | 29°41 | 8° 7 | 0°37 | 2°14 | 19° 5 | 19°41 | 14°21 | 12°33 | T 24 |
| F 25 | 16 43 20 | 11°32'25 | 13♉33 | 25°D 4 | 13°33 | 14°12 | 8°36 | 29°37 | 8° 4 | 0°39 | 2°16 | 19° 4 | 19°38 | 14°28 | 12°37 | F 25 |
| S 26 | 16 47 16 | 12°29'45 | 28°35 | 25° 8 | 14°45 | 14°38 | 8°48 | 29°32 | 8° 2 | 0°41 | 2°17 | 19° 3 | 19°35 | 14°34 | 12°41 | S 26 |
| S 27 | 16 51 13 | 13°27'04 | 13♊37 | 25°17 | 15°57 | 15° 3 | 9° 1 | 29°28 | 7°59 | 0°44 | 2°18 | 19°D 3 | 19°32 | 14°41 | 12°45 | S 27 |
| M28 | 16 55 9 | 14°24'23 | 28°28 | 25°30 | 17° 9 | 15°29 | 9°14 | 29°24 | 7°57 | 0°46 | 2°20 | 19° 3 | 19°29 | 14°48 | 12°49 | M28 |
| T 29 | 16 59 6 | 15°21'40 | 13♋ 2 | 25°47 | 18°21 | 15°56 | 9°27 | 29°20 | 7°55 | 0°48 | 2°21 | 19° 3 | 19°26 | 14°54 | 12°52 | T 29 |
| W30 | 17 3 3 | 16°18'57 | 27°14 | 26° 9 | 19°33 | 16°22 | 9°39 | 29°16 | 7°52 | 0°50 | 2°22 | 19° 4 | 19°22 | 15° 1 | 12°56 | W30 |
| T 31 | 17 6 59 | 17♊16'13 | 10♌59 | 26♉36 | 20♉46 | 16♍49 | 9♋52 | 29♏12 | 7♐50 | 0♊52 | 2♊24 | 19♐ 4 | 19♐19 | 15♏ 8 | 13♉ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n24 | 22n 3 | 1s23 | 22n10 | 1n14 | 4n12 | 1s48 | 10n56 | 1n37 | 23n37 | 0n 9 | 18s28 | 2n 5 | 21s50 | 0n 3 | 18n36 | 1s36 | 9n44 | 11s 3 | 23s 5 | 23s12 | 18s31 | 13n31 | 1s45 |
| W 2 | 17 40 | 19 38 | 2 35 | 21 56 | 1 0 | 4 39 | 1 49 | 10 48 | 1 35 | 23 37 | 0 9 | 18 27 | 2 5 | 21 50 | 0 3 | 18 37 | 1 36 | 9 44 | 11 3 | 23 5 | 23 12 | 18 32 | 13 32 | 1 45 |
| T 3 | 17 55 | 16 11 | 3 35 | 21 40 | 0 46 | 5 7 | 1 49 | 10 40 | 1 33 | 23 36 | 0 9 | 18 26 | 2 5 | 21 49 | 0 3 | 18 37 | 1 36 | 9 45 | 11 3 | 23 6 | 23 12 | 18 34 | 13 33 | 1 45 |
| F 4 | 18 11 | 12 1 | 4 21 | 21 22 | 0 30 | 5 34 | 1 49 | 10 32 | 1 31 | 23 36 | 0 9 | 18 25 | 2 5 | 21 49 | 0 3 | 18 37 | 1 36 | 9 45 | 11 3 | 23 6 | 23 12 | 18 35 | 13 34 | 1 45 |
| S 5 | 18 26 | 7 26 | 4 54 | 21 3 | 0 14 | 6 1 | 1 49 | 10 23 | 1 29 | 23 36 | 0 9 | 18 24 | 2 5 | 21 49 | 0 3 | 18 38 | 1 36 | 9 45 | 11 3 | 23 6 | 23 11 | 18 36 | 13 36 | 1 45 |
| S 6 | 18 40 | 2 39 | 5 11 | 20 43 | 0s 2 | 6 28 | 1 49 | 10 15 | 1 27 | 23 35 | 0 9 | 18 24 | 2 5 | 21 48 | 0 3 | 18 38 | 1 36 | 9 46 | 11 3 | 23 5 | 23 11 | 18 38 | 13 37 | 1 45 |
| M 7 | 18 55 | 2s 8 | 5 13 | 20 22 | 0 19 | 6 54 | 1 49 | 10 6 | 1 25 | 23 35 | 0 10 | 18 23 | 2 5 | 21 48 | 0 3 | 18 39 | 1 36 | 9 46 | 11 3 | 23 5 | 23 11 | 18 39 | 13 38 | 1 45 |
| T 8 | 19 9 | 6 47 | 5 2 | 20 0 | 0 36 | 7 21 | 1 49 | 9 57 | 1 23 | 23 35 | 0 10 | 18 22 | 2 5 | 21 48 | 0 3 | 18 39 | 1 36 | 9 46 | 11 3 | 23 5 | 23 11 | 18 41 | 13 39 | 1 45 |
| W 9 | 19 22 | 11 7 | 4 37 | 19 37 | 0 54 | 7 48 | 1 49 | 9 48 | 1 21 | 23 34 | 0 10 | 18 21 | 2 5 | 21 47 | 0 3 | 18 40 | 1 36 | 9 47 | 11 3 | 23 5 | 23 10 | 18 42 | 13 40 | 1 45 |
| T 10 | 19 36 | 15 0 | 4 1 | 19 13 | 1 11 | 8 14 | 1 49 | 9 38 | 1 19 | 23 34 | 0 10 | 18 20 | 2 5 | 21 47 | 0 3 | 18 40 | 1 36 | 9 47 | 11 2 | 23 4 | 23 10 | 18 43 | 13 42 | 1 46 |
| F 11 | 19 49 | 18 17 | 3 14 | 18 49 | 1 29 | 8 40 | 1 48 | 9 29 | 1 17 | 23 33 | 0 10 | 18 19 | 2 4 | 21 46 | 0 2 | 18 41 | 1 36 | 9 47 | 11 2 | 23 4 | 23 10 | 18 45 | 13 43 | 1 46 |
| S 12 | 20 1 | 20 48 | 2 19 | 18 26 | 1 46 | 9 7 | 1 48 | 9 20 | 1 16 | 23 33 | 0 10 | 18 18 | 2 4 | 21 46 | 0 2 | 18 41 | 1 36 | 9 48 | 11 2 | 23 4 | 23 10 | 18 46 | 13 44 | 1 46 |
| S 13 | 20 14 | 22 26 | 1 18 | 18 2 | 2 2 | 9 32 | 1 47 | 9 10 | 1 14 | 23 33 | 0 10 | 18 18 | 2 4 | 21 46 | 0 2 | 18 42 | 1 36 | 9 48 | 11 2 | 23 4 | 23 10 | 18 48 | 13 45 | 1 46 |
| M14 | 20 26 | 23 4 | 0 13 | 17 40 | 2 18 | 9 58 | 1 47 | 9 0 | 1 12 | 23 32 | 0 10 | 18 17 | 2 4 | 21 45 | 0 2 | 18 42 | 1 36 | 9 48 | 11 2 | 23 4 | 23 9 | 18 49 | 13 46 | 1 46 |
| T 15 | 20 37 | 22 37 | 0n53 | 17 18 | 2 33 | 10 24 | 1 46 | 8 50 | 1 10 | 23 32 | 0 10 | 18 16 | 2 4 | 21 45 | 0 2 | 18 43 | 1 36 | 9 49 | 11 2 | 23 4 | 23 9 | 18 50 | 13 47 | 1 46 |
| W16 | 20 49 | 21 6 | 1 58 | 16 57 | 2 47 | 10 49 | 1 45 | 8 40 | 1 9 | 23 31 | 0 10 | 18 15 | 2 4 | 21 45 | 0 2 | 18 43 | 1 36 | 9 49 | 11 2 | 23 4 | 23 9 | 18 52 | 13 48 | 1 46 |
| T 17 | 21 0 | 18 34 | 2 58 | 16 37 | 3 1 | 11 14 | 1 44 | 8 30 | 1 7 | 23 31 | 0 10 | 18 14 | 2 4 | 21 44 | 0 2 | 18 44 | 1 36 | 9 49 | 11 2 | 23 4 | 23 9 | 18 53 | 13 49 | 1 46 |
| F 18 | 21 10 | 15 7 | 3 51 | 16 19 | 3 13 | 11 39 | 1 44 | 8 20 | 1 5 | 23 30 | 0 11 | 18 13 | 2 4 | 21 44 | 0 2 | 18 44 | 1 36 | 9 49 | 11 2 | 23 4 | 23 8 | 18 54 | 13 51 | 1 47 |
| S 19 | 21 21 | 10 54 | 4 34 | 16 3 | 3 24 | 12 4 | 1 43 | 8 9 | 1 4 | 23 29 | 0 11 | 18 12 | 2 4 | 21 43 | 0 2 | 18 45 | 1 36 | 9 50 | 11 2 | 23 4 | 23 8 | 18 56 | 13 52 | 1 47 |
| S 20 | 21 31 | 6 5 | 5 3 | 15 49 | 3 34 | 12 28 | 1 41 | 7 59 | 1 2 | 23 29 | 0 11 | 18 12 | 2 4 | 21 43 | 0 2 | 18 45 | 1 36 | 9 50 | 11 2 | 23 4 | 23 8 | 18 57 | 13 53 | 1 47 |
| M21 | 21 40 | 0 50 | 5 16 | 15 36 | 3 42 | 12 53 | 1 40 | 7 48 | 1 0 | 23 28 | 0 11 | 18 11 | 2 4 | 21 43 | 0 2 | 18 46 | 1 36 | 9 50 | 11 2 | 23 4 | 23 8 | 18 58 | 13 54 | 1 47 |
| T 22 | 21 49 | 4n36 | 5 12 | 15 26 | 3 50 | 13 16 | 1 39 | 7 37 | 0 59 | 23 27 | 0 11 | 18 10 | 2 4 | 21 42 | 0 2 | 18 46 | 1 36 | 9 50 | 11 2 | 23 4 | 23 7 | 19 0 | 13 55 | 1 47 |
| W23 | 21 58 | 9 56 | 4 48 | 15 18 | 3 56 | 13 40 | 1 38 | 7 26 | 0 57 | 23 27 | 0 11 | 18 9 | 2 4 | 21 42 | 0 2 | 18 46 | 1 36 | 9 51 | 11 2 | 23 4 | 23 7 | 19 1 | 13 56 | 1 47 |
| T 24 | 22 6 | 14 50 | 4 5 | 15 12 | 4 1 | 14 3 | 1 37 | 7 15 | 0 55 | 23 26 | 0 11 | 18 8 | 2 4 | 21 42 | 0 2 | 18 47 | 1 36 | 9 51 | 11 2 | 23 4 | 23 7 | 19 2 | 13 57 | 1 47 |
| F 25 | 22 14 | 18 53 | 3 5 | 15 9 | 4 4 | 14 26 | 1 35 | 7 4 | 0 54 | 23 25 | 0 11 | 18 7 | 2 3 | 21 41 | 0 2 | 18 47 | 1 36 | 9 51 | 11 2 | 23 4 | 23 7 | 19 4 | 13 58 | 1 47 |
| S 26 | 22 22 | 21 43 | 1 51 | 15 7 | 4 7 | 14 49 | 1 34 | 6 52 | 0 52 | 23 25 | 0 11 | 18 7 | 2 3 | 21 41 | 0 2 | 18 48 | 1 36 | 9 51 | 11 2 | 23 4 | 23 6 | 19 5 | 13 59 | 1 48 |
| S 27 | 22 29 | 23 0 | 0 30 | 15 8 | 4 8 | 15 11 | 1 32 | 6 41 | 0 51 | 23 24 | 0 11 | 18 6 | 2 3 | 21 40 | 0 2 | 18 48 | 1 36 | 9 52 | 11 2 | 23 4 | 23 6 | 19 6 | 14 0 | 1 48 |
| M28 | 22 36 | 22 38 | 0s52 | 15 11 | 4 8 | 15 33 | 1 31 | 6 30 | 0 49 | 23 23 | 0 11 | 18 5 | 2 3 | 21 40 | 0 2 | 18 49 | 1 36 | 9 52 | 11 2 | 23 4 | 23 6 | 19 8 | 14 1 | 1 48 |
| T 29 | 22 43 | 20 44 | 2 9 | 15 16 | 4 7 | 15 55 | 1 29 | 6 18 | 0 48 | 23 22 | 0 11 | 18 4 | 2 3 | 21 40 | 0 2 | 18 49 | 1 36 | 9 52 | 11 2 | 23 4 | 23 6 | 19 9 | 14 2 | 1 48 |
| W30 | 22 49 | 17 34 | 3 17 | 15 23 | 4 5 | 16 16 | 1 28 | 6 6 | 0 46 | 23 21 | 0 12 | 18 3 | 2 3 | 21 39 | 0 2 | 18 50 | 1 36 | 9 52 | 11 2 | 23 4 | 23 5 | 19 10 | 14 3 | 1 48 |
| T 31 | 22n54 | 13n31 | 4s10 | 15n32 | 4s 2 | 16n37 | 1s26 | 5n54 | 0n45 | 23n20 | 0n12 | 18s 3 | 2n 3 | 21s39 | 0n 2 | 18n50 | 1s36 | 9n53 | 11s 2 | 23s 4 | 23s 5 | 19s12 | 14n 4 | 1s48 |

Julian Day Number = 2231432.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'02, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'00, Lahiri = 15°27'00 Julian Calendar 1 May 1397 == Greg. Calendar 9 May 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## JUNE 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 10 56 | 18♊13'29 | 24♌19 | 27♉ 7 | 21♉58 | 17♍16 | 10♋ 5 | 29°R 7 | 7°R47 | 0♊55 | 2♊25 | 19♐ 4 | 19♐16 | 15♏14 | 13♉ 4 | F 1 |
| S 2 | 17 14 52 | 19°10'43 | 7♍15 | 27°43 | 23°10 | 17°44 | 10°18 | 29♏ 3 | 7♐45 | 0°57 | 2°26 | 19°R 4 | 19°13 | 15°21 | 13° 7 | S 2 |
| S 3 | 17 18 49 | 20° 7'57 | 19°49 | 28°22 | 24°22 | 18°12 | 10°31 | 28°59 | 7°42 | 0°59 | 2°28 | 19°D 4 | 19°10 | 15°28 | 13°11 | S 3 |
| M 4 | 17 22 45 | 21° 5'10 | 2♎ 6 | 29° 7 | 25°35 | 18°39 | 10°44 | 28°55 | 7°40 | 1° 1 | 2°29 | 19° 4 | 19° 7 | 15°34 | 13°14 | M 4 |
| T 5 | 17 26 42 | 22° 2'23 | 14°10 | 29°55 | 26°47 | 19° 8 | 10°57 | 28°52 | 7°38 | 1° 3 | 2°30 | 19° 4 | 19° 3 | 15°41 | 13°18 | T 5 |
| W 6 | 17 30 38 | 22°59'35 | 26° 4 | 0♊47 | 27°59 | 19°36 | 11°10 | 28°48 | 7°35 | 1° 5 | 2°32 | 19° 5 | 19° 0 | 15°48 | 13°22 | W 6 |
| T 7 | 17 34 35 | 23°56'46 | 7♏55 | 1°44 | 29°12 | 20° 5 | 11°23 | 28°44 | 7°33 | 1° 7 | 2°33 | 19° 5 | 18°57 | 15°54 | 13°25 | T 7 |
| F 8 | 17 38 32 | 24°53'57 | 19°44 | 2°44 | 0♊24 | 20°34 | 11°37 | 28°40 | 7°31 | 1°10 | 2°34 | 19° 6 | 18°54 | 16° 1 | 13°29 | F 8 |
| S 9 | 17 42 28 | 25°51'07 | 1♐35 | 3°48 | 1°37 | 21° 3 | 11°50 | 28°36 | 7°28 | 1°12 | 2°35 | 19° 6 | 18°51 | 16° 8 | 13°32 | S 9 |
| S 10 | 17 46 25 | 26°48'18 | 13°33 | 4°56 | 2°49 | 21°32 | 12° 3 | 28°33 | 7°26 | 1°14 | 2°37 | 19°R 7 | 18°47 | 16°14 | 13°35 | S 10 |
| M11 | 17 50 21 | 27°45'28 | 25°37 | 6° 8 | 4° 2 | 22° 1 | 12°16 | 28°29 | 7°24 | 1°16 | 2°38 | 19° 7 | 18°44 | 16°21 | 13°39 | M11 |
| T 12 | 17 54 18 | 28°42'37 | 7♑52 | 7°24 | 5°14 | 22°31 | 12°29 | 28°26 | 7°22 | 1°18 | 2°39 | 19° 6 | 18°41 | 16°28 | 13°42 | T 12 |
| W13 | 17 58 14 | 29°39'47 | 20°18 | 8°44 | 6°27 | 23° 1 | 12°42 | 28°22 | 7°19 | 1°20 | 2°40 | 19° 5 | 18°38 | 16°34 | 13°45 | W13 |
| T 14 | 18 2 11 | 0♋36'57 | 2♒56 | 10° 7 | 7°39 | 23°31 | 12°56 | 28°19 | 7°17 | 1°22 | 2°42 | 19° 4 | 18°35 | 16°41 | 13°49 | T 14 |
| F 15 | 18 6 7 | 1°34'06 | 15°48 | 11°34 | 8°52 | 24° 2 | 13° 9 | 28°15 | 7°15 | 1°24 | 2°43 | 19° 2 | 18°32 | 16°48 | 13°52 | F 15 |
| S 16 | 18 10 4 | 2°31'16 | 28°54 | 13° 4 | 10° 4 | 24°32 | 13°22 | 28°12 | 7°13 | 1°26 | 2°44 | 19° 1 | 18°28 | 16°54 | 13°55 | S 16 |
| S 17 | 18 14 1 | 3°28'26 | 12♓16 | 14°38 | 11°17 | 25° 3 | 13°36 | 28° 9 | 7°11 | 1°28 | 2°45 | 18°59 | 18°25 | 17° 1 | 13°58 | S 17 |
| M18 | 18 17 57 | 4°25'36 | 25°54 | 16°16 | 12°30 | 25°34 | 13°49 | 28° 6 | 7° 9 | 1°30 | 2°47 | 18°58 | 18°22 | 17° 8 | 14° 1 | M18 |
| T 19 | 18 21 54 | 5°22'47 | 9♈48 | 17°57 | 13°42 | 26° 5 | 14° 2 | 28° 3 | 7° 6 | 1°32 | 2°48 | 18°D58 | 18°19 | 17°14 | 14° 4 | T 19 |
| W20 | 18 25 50 | 6°19'58 | 23°57 | 19°41 | 14°55 | 26°37 | 14°16 | 28° 0 | 7° 4 | 1°34 | 2°49 | 18°59 | 18°16 | 17°21 | 14° 7 | W20 |
| T 21 | 18 29 47 | 7°17'10 | 8♉20 | 21°28 | 16° 8 | 27° 8 | 14°29 | 27°57 | 7° 2 | 1°36 | 2°50 | 19° 0 | 18°13 | 17°28 | 14°10 | T 21 |
| F 22 | 18 33 43 | 8°14'22 | 22°54 | 23°19 | 17°21 | 27°40 | 14°42 | 27°54 | 7° 0 | 1°37 | 2°51 | 19° 1 | 18° 9 | 17°34 | 14°13 | F 22 |
| S 23 | 18 37 40 | 9°11'34 | 7♊35 | 25°12 | 18°34 | 28°12 | 14°56 | 27°51 | 6°58 | 1°39 | 2°52 | 19° 2 | 18° 6 | 17°41 | 14°16 | S 23 |
| S 24 | 18 41 36 | 10° 8'47 | 22°16 | 27° 8 | 19°47 | 28°44 | 15° 9 | 27°48 | 6°56 | 1°41 | 2°54 | 19°R 2 | 18° 3 | 17°48 | 14°19 | S 24 |
| M25 | 18 45 33 | 11° 6'01 | 6♋52 | 29° 7 | 20°59 | 29°16 | 15°22 | 27°46 | 6°55 | 1°43 | 2°55 | 19° 2 | 18° 0 | 17°54 | 14°22 | M25 |
| T 26 | 18 49 30 | 12° 3'14 | 21°16 | 1♌ 7 | 22°12 | 29°49 | 15°36 | 27°43 | 6°53 | 1°45 | 2°56 | 19° 0 | 17°57 | 18° 1 | 14°25 | T 26 |
| W27 | 18 53 26 | 13° 0'28 | 5♌22 | 3°10 | 23°25 | 0♎21 | 15°49 | 27°41 | 6°51 | 1°47 | 2°57 | 18°57 | 17°53 | 18° 8 | 14°27 | W27 |
| T 28 | 18 57 23 | 13°57'42 | 19° 8 | 5°14 | 24°38 | 0°54 | 16° 3 | 27°38 | 6°49 | 1°48 | 2°58 | 18°53 | 17°50 | 18°14 | 14°30 | T 28 |
| F 29 | 19 1 19 | 14°54'56 | 2♍29 | 7°20 | 25°51 | 1°27 | 16°16 | 27°36 | 6°47 | 1°50 | 2°59 | 18°50 | 17°47 | 18°21 | 14°33 | F 29 |
| S 30 | 19 5 16 | 15♋52'11 | 15♍28 | 9♋27 | 27♊ 4 | 2♎ 1 | 16♋29 | 27♏34 | 6♐46 | 1♊52 | 3♊ 0 | 18♐46 | 17♐44 | 18♏28 | 14♉35 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n 0 | 8n55 | 4s49 | 15n43 | 3s58 | 16n58 | 1s24 | 5n42 | 0n43 | 23n20 | 0n12 | 18s 2 | 2n 3 | 21s38 | 0n 2 | 18n50 | 1s36 | 9n53 | 11s 2 | 23s 4 | 23s 5 | 19s13 | 14n 5 | 1s49 |
| S 2 | 23 4 | 4 4 | 5 11 | 15 56 | 3 53 | 17 18 | 1 22 | 5 30 | 0 42 | 23 19 | 0 12 | 18 1 | 2 2 | 21 38 | 0 2 | 18 51 | 1 36 | 9 53 | 11 2 | 23 4 | 23 5 | 19 14 | 14 6 | 1 49 |
| S 3 | 23 9 | 0s49 | 5 18 | 16 10 | 3 47 | 17 37 | 1 21 | 5 18 | 0 40 | 23 18 | 0 12 | 18 0 | 2 2 | 21 38 | 0 2 | 18 51 | 1 36 | 9 53 | 11 2 | 23 4 | 23 4 | 19 15 | 14 7 | 1 49 |
| M 4 | 23 13 | 5 34 | 5 9 | 16 26 | 3 41 | 17 57 | 1 19 | 5 6 | 0 39 | 23 17 | 0 12 | 18 0 | 2 2 | 21 37 | 0 2 | 18 52 | 1 36 | 9 54 | 11 2 | 23 4 | 23 4 | 19 17 | 14 8 | 1 49 |
| T 5 | 23 17 | 10 1 | 4 48 | 16 43 | 3 34 | 18 15 | 1 17 | 4 54 | 0 38 | 23 16 | 0 12 | 17 59 | 2 2 | 21 37 | 0 2 | 18 52 | 1 36 | 9 54 | 11 2 | 23 4 | 23 4 | 19 18 | 14 9 | 1 49 |
| W 6 | 23 20 | 14 2 | 4 14 | 17 1 | 3 26 | 18 34 | 1 15 | 4 41 | 0 36 | 23 15 | 0 12 | 17 58 | 2 2 | 21 37 | 0 2 | 18 53 | 1 36 | 9 54 | 11 2 | 23 4 | 23 4 | 19 19 | 14 10 | 1 49 |
| T 7 | 23 23 | 17 29 | 3 29 | 17 21 | 3 18 | 18 52 | 1 13 | 4 29 | 0 35 | 23 14 | 0 12 | 17 58 | 2 2 | 21 36 | 0 2 | 18 53 | 1 36 | 9 54 | 11 2 | 23 4 | 23 3 | 19 21 | 14 11 | 1 49 |
| F 8 | 23 25 | 20 14 | 2 36 | 17 42 | 3 8 | 19 9 | 1 11 | 4 16 | 0 33 | 23 13 | 0 12 | 17 57 | 2 2 | 21 36 | 0 2 | 18 53 | 1 36 | 9 54 | 11 2 | 23 4 | 23 3 | 19 22 | 14 12 | 1 50 |
| S 9 | 23 27 | 22 7 | 1 36 | 18 3 | 2 59 | 19 26 | 1 8 | 4 3 | 0 32 | 23 12 | 0 12 | 17 56 | 2 1 | 21 35 | 0 2 | 18 54 | 1 36 | 9 54 | 11 2 | 23 4 | 23 3 | 19 23 | 14 12 | 1 50 |
| S 10 | 23 29 | 23 1 | 0 31 | 18 25 | 2 49 | 19 42 | 1 6 | 3 50 | 0 31 | 23 11 | 0 12 | 17 56 | 2 1 | 21 35 | 0 2 | 18 54 | 1 36 | 9 55 | 11 2 | 23 4 | 23 3 | 19 24 | 14 13 | 1 50 |
| M11 | 23 30 | 22 51 | 0n36 | 18 48 | 2 38 | 19 58 | 1 4 | 3 37 | 0 29 | 23 9 | 0 13 | 17 55 | 2 1 | 21 35 | 0 2 | 18 55 | 1 36 | 9 55 | 11 3 | 23 4 | 23 2 | 19 25 | 14 14 | 1 50 |
| T 12 | 23 31 | 21 35 | 1 42 | 19 12 | 2 27 | 20 14 | 1 2 | 3 24 | 0 28 | 23 8 | 0 13 | 17 54 | 2 1 | 21 34 | 0 2 | 18 55 | 1 36 | 9 55 | 11 3 | 23 4 | 23 2 | 19 27 | 14 15 | 1 50 |
| W13 | 23 31 | 19 16 | 2 44 | 19 36 | 2 16 | 20 29 | 1 0 | 3 11 | 0 27 | 23 7 | 0 13 | 17 54 | 2 1 | 21 34 | 0 2 | 18 55 | 1 36 | 9 55 | 11 3 | 23 4 | 23 2 | 19 28 | 14 16 | 1 50 |
| T 14 | 23 31 | 16 0 | 3 40 | 20 0 | 2 4 | 20 43 | 0 57 | 2 58 | 0 26 | 23 6 | 0 13 | 17 53 | 2 1 | 21 34 | 0 2 | 18 56 | 1 36 | 9 55 | 11 3 | 23 4 | 23 1 | 19 29 | 14 17 | 1 51 |
| F 15 | 23 30 | 11 56 | 4 25 | 20 23 | 1 52 | 20 57 | 0 55 | 2 45 | 0 24 | 23 5 | 0 13 | 17 53 | 2 0 | 21 33 | 0 2 | 18 56 | 1 36 | 9 55 | 11 3 | 23 4 | 23 1 | 19 30 | 14 17 | 1 51 |
| S 16 | 23 30 | 7 15 | 4 57 | 20 47 | 1 40 | 21 10 | 0 53 | 2 32 | 0 23 | 23 3 | 0 13 | 17 52 | 2 0 | 21 33 | 0 2 | 18 57 | 1 36 | 9 56 | 11 3 | 23 4 | 23 1 | 19 32 | 14 18 | 1 51 |
| S 17 | 23 28 | 2 8 | 5 14 | 21 11 | 1 28 | 21 22 | 0 50 | 2 18 | 0 22 | 23 2 | 0 13 | 17 52 | 2 0 | 21 33 | 0 2 | 18 57 | 1 36 | 9 56 | 11 3 | 23 4 | 23 1 | 19 33 | 14 19 | 1 51 |
| M18 | 23 27 | 3n10 | 5 14 | 21 33 | 1 15 | 21 35 | 0 48 | 2 5 | 0 21 | 23 1 | 0 13 | 17 51 | 2 0 | 21 32 | 0 2 | 18 57 | 1 36 | 9 56 | 11 3 | 23 3 | 23 0 | 19 34 | 14 20 | 1 51 |
| T 19 | 23 24 | 8 25 | 4 56 | 21 56 | 1 3 | 21 46 | 0 45 | 1 51 | 0 19 | 23 0 | 0 13 | 17 51 | 2 0 | 21 32 | 0 2 | 18 58 | 1 36 | 9 56 | 11 3 | 23 3 | 23 0 | 19 35 | 14 20 | 1 51 |
| W20 | 23 22 | 13 20 | 4 19 | 22 17 | 0 50 | 21 57 | 0 43 | 1 38 | 0 18 | 22 58 | 0 13 | 17 50 | 2 0 | 21 32 | 0 2 | 18 58 | 1 36 | 9 56 | 11 3 | 23 3 | 23 0 | 19 36 | 14 21 | 1 52 |
| T 21 | 23 19 | 17 35 | 3 26 | 22 37 | 0 38 | 22 7 | 0 41 | 1 24 | 0 17 | 22 57 | 0 13 | 17 50 | 1 59 | 21 31 | 0 2 | 18 58 | 1 36 | 9 56 | 11 3 | 23 4 | 23 0 | 19 38 | 14 22 | 1 52 |
| F 22 | 23 16 | 20 48 | 2 19 | 22 55 | 0 26 | 22 17 | 0 38 | 1 10 | 0 16 | 22 56 | 0 14 | 17 49 | 1 59 | 21 31 | 0 2 | 18 59 | 1 36 | 9 56 | 11 3 | 23 4 | 22 59 | 19 39 | 14 22 | 1 52 |
| S 23 | 23 12 | 22 41 | 1 3 | 23 12 | 0 14 | 22 26 | 0 36 | 0 56 | 0 15 | 22 54 | 0 14 | 17 49 | 1 59 | 21 31 | 0 2 | 18 59 | 1 36 | 9 57 | 11 4 | 23 4 | 22 59 | 19 40 | 14 23 | 1 52 |
| S 24 | 23 8 | 23 0 | 0s18 | 23 27 | 0 2 | 22 34 | 0 33 | 0 43 | 0 13 | 22 53 | 0 14 | 17 48 | 1 59 | 21 30 | 0 2 | 18 59 | 1 36 | 9 57 | 11 4 | 23 4 | 22 59 | 19 41 | 14 24 | 1 52 |
| M25 | 23 3 | 21 44 | 1 37 | 23 41 | 0n10 | 22 42 | 0 31 | 0 29 | 0 12 | 22 51 | 0 14 | 17 48 | 1 59 | 21 30 | 0 2 | 19 0 | 1 36 | 9 57 | 11 4 | 23 4 | 22 58 | 19 42 | 14 24 | 1 53 |
| T 26 | 22 58 | 19 3 | 2 48 | 23 51 | 0 21 | 22 49 | 0 28 | 0 15 | 0 11 | 22 50 | 0 14 | 17 48 | 1 58 | 21 30 | 0 2 | 19 0 | 1 37 | 9 57 | 11 4 | 23 4 | 22 58 | 19 43 | 14 25 | 1 53 |
| W27 | 22 53 | 15 18 | 3 48 | 24 0 | 0 31 | 22 56 | 0 25 | 0 1 | 0 10 | 22 48 | 0 14 | 17 47 | 1 58 | 21 29 | 0 2 | 19 0 | 1 37 | 9 57 | 11 4 | 23 3 | 22 58 | 19 45 | 14 26 | 1 53 |
| T 28 | 22 47 | 10 49 | 4 33 | 24 6 | 0 41 | 23 2 | 0 23 | 0s14 | 0 9 | 22 47 | 0 14 | 17 47 | 1 58 | 21 29 | 0 2 | 19 1 | 1 37 | 9 57 | 11 4 | 23 3 | 22 58 | 19 46 | 14 26 | 1 53 |
| F 29 | 22 41 | 5 56 | 5 1 | 24 9 | 0 51 | 23 7 | 0 20 | 0 28 | 0 8 | 22 45 | 0 14 | 17 47 | 1 58 | 21 29 | 0 2 | 19 1 | 1 37 | 9 57 | 11 4 | 23 3 | 22 57 | 19 47 | 14 27 | 1 53 |
| S 30 | 22n34 | 0n56 | 5s13 | 24n10 | 1n 0 | 23n11 | 0s18 | 0s42 | 0n 7 | 22n44 | 0n14 | 17s46 | 1n58 | 21s29 | 0n 2 | 19n 1 | 1s37 | 9n57 | 11s 4 | 23s 2 | 22s57 | 19s48 | 14n27 | 1s54 |

Julian Day Number = 2231463.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'04, Lahiri = 15°27'05 Julian Calendar 1 June 1397 == Greg. Calendar 9 June 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## JULY 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 9 12 | 16♋49'25 | 28♍ 4 | 11♋34 | 28♊17 | 2♎34 | 16♋43 | 27°R32 | 6°R44 | 1♊54 | 3♊ 1 | 18°R44 | 17♐41 | 18♏34 | 14♉38 | S 1 |
| M 2 | 19 13 9 | 17°46'40 | 10♎22 | 13°42 | 29°31 | 3° 7 | 16°56 | 27♏30 | 6♐42 | 1°55 | 3° 2 | 18♐42 | 17°38 | 18°41 | 14°40 | M 2 |
| T 3 | 19 17 6 | 18°43'55 | 22°26 | 15°50 | 0♌44 | 3°41 | 17°10 | 27°28 | 6°41 | 1°57 | 3° 3 | 18°D42 | 17°34 | 18°48 | 14°42 | T 3 |
| W 4 | 19 21 2 | 19°41'10 | 4♏21 | 17°58 | 1°57 | 4°15 | 17°23 | 27°26 | 6°39 | 1°59 | 3° 4 | 18°43 | 17°31 | 18°54 | 14°45 | W 4 |
| T 5 | 19 24 59 | 20°38'26 | 16°11 | 20° 6 | 3°10 | 4°49 | 17°36 | 27°24 | 6°37 | 2° 0 | 3° 5 | 18°45 | 17°28 | 19° 1 | 14°47 | T 5 |
| F 6 | 19 28 55 | 21°35'42 | 28° 1 | 22°13 | 4°23 | 5°23 | 17°50 | 27°22 | 6°36 | 2° 2 | 3° 6 | 18°46 | 17°25 | 19° 8 | 14°49 | F 6 |
| S 7 | 19 32 52 | 22°32'59 | 9♐56 | 24°19 | 5°36 | 5°57 | 18° 3 | 27°21 | 6°34 | 2° 3 | 3° 7 | 18°48 | 17°22 | 19°14 | 14°52 | S 7 |
| S 8 | 19 36 48 | 23°30'16 | 21°59 | 26°24 | 6°50 | 6°32 | 18°17 | 27°19 | 6°33 | 2° 5 | 3° 8 | 18°R48 | 17°19 | 19°21 | 14°54 | S 8 |
| M 9 | 19 40 45 | 24°27'33 | 4♑14 | 28°28 | 8° 3 | 7° 7 | 18°30 | 27°18 | 6°32 | 2° 7 | 3° 9 | 18°47 | 17°15 | 19°28 | 14°56 | M 9 |
| T 10 | 19 44 41 | 25°24'52 | 16°43 | 0♒31 | 9°16 | 7°41 | 18°43 | 27°16 | 6°30 | 2° 8 | 3°10 | 18°44 | 17°12 | 19°34 | 14°58 | T 10 |
| W11 | 19 48 38 | 26°22'11 | 29°27 | 2°33 | 10°30 | 8°16 | 18°57 | 27°15 | 6°29 | 2°10 | 3°11 | 18°40 | 17° 9 | 19°41 | 15° 0 | W11 |
| T 12 | 19 52 35 | 27°19'30 | 12♓26 | 4°33 | 11°43 | 8°51 | 19°10 | 27°14 | 6°28 | 2°11 | 3°12 | 18°34 | 17° 6 | 19°48 | 15° 2 | T 12 |
| F 13 | 19 56 31 | 28°16'51 | 25°40 | 6°31 | 12°56 | 9°26 | 19°23 | 27°13 | 6°27 | 2°12 | 3°13 | 18°27 | 17° 3 | 19°54 | 15° 4 | F 13 |
| S 14 | 20 0 28 | 29°14'13 | 9♈ 8 | 8°29 | 14°10 | 10° 2 | 19°36 | 27°12 | 6°25 | 2°14 | 3°13 | 18°21 | 16°59 | 20° 1 | 15° 6 | S 14 |
| S 15 | 20 4 24 | 0♒11'35 | 22°48 | 10°24 | 15°23 | 10°37 | 19°50 | 27°11 | 6°24 | 2°15 | 3°14 | 18°15 | 16°56 | 20° 8 | 15° 7 | S 15 |
| M16 | 20 8 21 | 1° 8'59 | 6♉38 | 12°18 | 16°37 | 11°13 | 20° 3 | 27°10 | 6°23 | 2°17 | 3°15 | 18°11 | 16°53 | 20°14 | 15° 9 | M16 |
| T 17 | 20 12 17 | 2° 6'24 | 20°36 | 14°10 | 17°50 | 11°49 | 20°16 | 27° 9 | 6°22 | 2°18 | 3°16 | 18° 9 | 16°50 | 20°21 | 15°11 | T 17 |
| W18 | 20 16 14 | 3° 3'50 | 4♊42 | 16° 1 | 19° 4 | 12°24 | 20°29 | 27° 9 | 6°21 | 2°19 | 3°17 | 18°D 8 | 16°47 | 20°28 | 15°12 | W18 |
| T 19 | 20 20 10 | 4° 1'18 | 18°53 | 17°50 | 20°18 | 13° 0 | 20°43 | 27° 8 | 6°20 | 2°21 | 3°17 | 18° 9 | 16°44 | 20°34 | 15°14 | T 19 |
| F 20 | 20 24 7 | 4°58'47 | 3♋ 7 | 19°38 | 21°31 | 13°37 | 20°56 | 27° 8 | 6°19 | 2°22 | 3°18 | 18°10 | 16°40 | 20°41 | 15°15 | F 20 |
| S 21 | 20 28 4 | 5°56'17 | 17°24 | 21°24 | 22°45 | 14°13 | 21° 9 | 27° 8 | 6°18 | 2°23 | 3°19 | 18°R11 | 16°37 | 20°48 | 15°17 | S 21 |
| S 22 | 20 32 0 | 6°53'49 | 1♌40 | 23° 8 | 23°59 | 14°49 | 21°22 | 27° 7 | 6°18 | 2°24 | 3°20 | 18°10 | 16°34 | 20°54 | 15°18 | S 22 |
| M23 | 20 35 57 | 7°51'22 | 15°52 | 24°51 | 25°12 | 15°26 | 21°35 | 27° 7 | 6°17 | 2°25 | 3°20 | 18° 7 | 16°31 | 21° 1 | 15°20 | M23 |
| T 24 | 20 39 53 | 8°48'56 | 29°55 | 26°33 | 26°26 | 16° 3 | 21°48 | 27°D 7 | 6°16 | 2°27 | 3°21 | 18° 2 | 16°28 | 21° 8 | 15°21 | T 24 |
| W25 | 20 43 50 | 9°46'32 | 13♒45 | 28°12 | 27°40 | 16°39 | 22° 1 | 27° 7 | 6°15 | 2°28 | 3°22 | 17°55 | 16°25 | 21°14 | 15°22 | W25 |
| T 26 | 20 47 46 | 10°44'08 | 27°19 | 29°51 | 28°54 | 17°16 | 22°14 | 27° 8 | 6°15 | 2°29 | 3°22 | 17°47 | 16°21 | 21°21 | 15°23 | T 26 |
| F 27 | 20 51 43 | 11°41'46 | 10♍34 | 1♍27 | 0♒ 8 | 17°53 | 22°27 | 27° 8 | 6°14 | 2°30 | 3°23 | 17°37 | 16°18 | 21°28 | 15°24 | F 27 |
| S 28 | 20 55 39 | 12°39'25 | 23°29 | 3° 3 | 1°22 | 18°31 | 22°40 | 27° 8 | 6°14 | 2°31 | 3°23 | 17°29 | 16°15 | 21°34 | 15°25 | S 28 |
| S 29 | 20 59 36 | 13°37'05 | 6♎ 4 | 4°36 | 2°36 | 19° 8 | 22°53 | 27° 9 | 6°13 | 2°32 | 3°24 | 17°21 | 16°12 | 21°41 | 15°26 | S 29 |
| M30 | 21 3 33 | 14°34'45 | 18°21 | 6° 8 | 3°49 | 19°45 | 23° 6 | 27° 9 | 6°13 | 2°33 | 3°25 | 17°16 | 16° 9 | 21°48 | 15°27 | M30 |
| T 31 | 21 7 29 | 15♒32'27 | 0♏25 | 7♍39 | 5♒ 3 | 20♎23 | 23♋19 | 27♏10 | 6♐12 | 2♊34 | 3♊25 | 17♐13 | 16♐ 5 | 21♏54 | 15♉28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22n27 | 3s58 | 5s10 | 24n 8 | 1n 8 | 23n15 | 0s15 | 0s56 | 0n 5 | 22n42 | 0n14 | 17s46 | 1n57 | 21s28 | 0n 2 | 19n 2 | 1s37 | 9n57 | 11s 4 | 23s 2 | 22s57 | 19s49 | 14n28 | 1s54 | |
| M 2 | 22 20 | 8 35 | 4 52 | 24 3 | 1 15 | 23 18 | 0 13 | 1 11 | 0 4 | 22 41 | 0 14 | 17 46 | 1 57 | 21 28 | 0 2 | 19 2 | 1 37 | 9 57 | 11 5 | 23 2 | 22 56 | 19 50 | 14 29 | 1 54 | |
| T 3 | 22 12 | 12 48 | 4 21 | 23 56 | 1 22 | 23 21 | 0 10 | 1 25 | 0 3 | 22 39 | 0 15 | 17 46 | 1 57 | 21 28 | 0 2 | 19 2 | 1 37 | 9 57 | 11 5 | 23 2 | 22 56 | 19 51 | 14 29 | 1 54 | |
| W 4 | 22 4 | 16 27 | 3 40 | 23 45 | 1 28 | 23 23 | 0 8 | 1 40 | 0 2 | 22 37 | 0 15 | 17 45 | 1 57 | 21 28 | 0 2 | 19 3 | 1 37 | 9 57 | 11 5 | 23 2 | 22 56 | 19 52 | 14 30 | 1 54 | |
| T 5 | 21 56 | 19 26 | 2 49 | 23 32 | 1 33 | 23 24 | 0 5 | 1 54 | 0 1 | 22 36 | 0 15 | 17 45 | 1 56 | 21 27 | 0 2 | 19 3 | 1 37 | 9 57 | 11 5 | 23 2 | 22 55 | 19 54 | 14 30 | 1 55 | |
| F 6 | 21 47 | 21 35 | 1 51 | 23 17 | 1 37 | 23 24 | 0 2 | 2 9 | 0 0 | 22 34 | 0 15 | 17 45 | 1 56 | 21 27 | 0 2 | 19 3 | 1 37 | 9 57 | 11 5 | 23 2 | 22 55 | 19 55 | 14 31 | 1 55 | |
| S 7 | 21 37 | 22 48 | 0 48 | 22 58 | 1 41 | 23 24 | 0n 0 | 2 23 | 0s 1 | 22 32 | 0 15 | 17 45 | 1 56 | 21 27 | 0 2 | 19 3 | 1 37 | 9 58 | 11 5 | 23 3 | 22 55 | 19 56 | 14 31 | 1 55 | |
| S 8 | 21 28 | 22 59 | 0n17 | 22 38 | 1 44 | 23 23 | 0 3 | 2 38 | 0 2 | 22 31 | 0 15 | 17 45 | 1 56 | 21 27 | 0 2 | 19 4 | 1 37 | 9 58 | 11 5 | 23 3 | 22 55 | 19 57 | 14 31 | 1 55 | |
| M 9 | 21 18 | 22 4 | 1 23 | 22 15 | 1 46 | 23 21 | 0 5 | 2 52 | 0 3 | 22 29 | 0 15 | 17 45 | 1 56 | 21 26 | 0 2 | 19 4 | 1 37 | 9 58 | 11 5 | 23 2 | 22 54 | 19 58 | 14 32 | 1 55 | |
| T 10 | 21 8 | 20 3 | 2 26 | 21 51 | 1 47 | 23 19 | 0 8 | 3 7 | 0 4 | 22 27 | 0 15 | 17 45 | 1 55 | 21 26 | 0 2 | 19 4 | 1 37 | 9 58 | 11 6 | 23 2 | 22 54 | 19 59 | 14 32 | 1 56 | |
| W11 | 20 57 | 17 1 | 3 23 | 21 24 | 1 48 | 23 16 | 0 10 | 3 22 | 0 5 | 22 26 | 0 15 | 17 44 | 1 55 | 21 26 | 0 2 | 19 5 | 1 37 | 9 58 | 11 6 | 23 2 | 22 54 | 20 0 | 14 33 | 1 56 | |
| T 12 | 20 46 | 13 7 | 4 11 | 20 56 | 1 48 | 23 12 | 0 13 | 3 37 | 0 6 | 22 24 | 0 15 | 17 44 | 1 55 | 21 26 | 0 2 | 19 5 | 1 37 | 9 58 | 11 6 | 23 1 | 22 53 | 20 1 | 14 33 | 1 56 | |
| F 13 | 20 34 | 8 31 | 4 46 | 20 26 | 1 47 | 23 8 | 0 15 | 3 51 | 0 7 | 22 22 | 0 16 | 17 44 | 1 55 | 21 25 | 0 2 | 19 5 | 1 37 | 9 58 | 11 6 | 23 1 | 22 53 | 20 2 | 14 33 | 1 56 | |
| S 14 | 20 23 | 3 27 | 5 6 | 19 54 | 1 46 | 23 3 | 0 18 | 4 6 | 0 8 | 22 20 | 0 16 | 17 44 | 1 54 | 21 25 | 0 2 | 19 5 | 1 37 | 9 58 | 11 6 | 23 0 | 22 53 | 20 3 | 14 34 | 1 56 | |
| S 15 | 20 11 | 1n51 | 5 9 | 19 21 | 1 44 | 22 57 | 0 20 | 4 21 | 0 9 | 22 18 | 0 16 | 17 44 | 1 54 | 21 25 | 0 2 | 19 6 | 1 37 | 9 58 | 11 6 | 23 0 | 22 52 | 20 4 | 14 34 | 1 57 | |
| M16 | 19 58 | 7 8 | 4 54 | 18 47 | 1 42 | 22 51 | 0 22 | 4 36 | 0 10 | 22 16 | 0 16 | 17 44 | 1 54 | 21 25 | 0 2 | 19 6 | 1 37 | 9 58 | 11 7 | 22 59 | 22 52 | 20 5 | 14 34 | 1 57 | |
| T 17 | 19 45 | 12 6 | 4 22 | 18 12 | 1 39 | 22 44 | 0 25 | 4 51 | 0 11 | 22 15 | 0 16 | 17 45 | 1 54 | 21 25 | 0 2 | 19 6 | 1 37 | 9 58 | 11 7 | 22 59 | 22 52 | 20 6 | 14 35 | 1 57 | |
| W18 | 19 32 | 16 28 | 3 33 | 17 36 | 1 35 | 22 36 | 0 27 | 5 6 | 0 12 | 22 13 | 0 16 | 17 45 | 1 53 | 21 25 | 0 2 | 19 6 | 1 37 | 9 58 | 11 7 | 22 59 | 22 51 | 20 7 | 14 35 | 1 57 | |
| T 19 | 19 19 | 19 55 | 2 32 | 16 59 | 1 31 | 22 28 | 0 29 | 5 21 | 0 13 | 22 11 | 0 16 | 17 45 | 1 53 | 21 24 | 0 2 | 19 6 | 1 37 | 9 58 | 11 7 | 22 59 | 22 51 | 20 8 | 14 35 | 1 57 | |
| F 20 | 19 5 | 22 10 | 1 21 | 16 21 | 1 27 | 22 19 | 0 32 | 5 36 | 0 14 | 22 9 | 0 16 | 17 45 | 1 53 | 21 24 | 0 2 | 19 7 | 1 37 | 9 58 | 11 7 | 22 59 | 22 51 | 20 10 | 14 35 | 1 58 | |
| S 21 | 18 51 | 22 59 | 0 4 | 15 43 | 1 22 | 22 9 | 0 34 | 5 51 | 0 14 | 22 7 | 0 16 | 17 45 | 1 53 | 21 24 | 0 2 | 19 7 | 1 37 | 9 57 | 11 7 | 22 59 | 22 51 | 20 11 | 14 35 | 1 58 | |
| S 22 | 18 37 | 22 18 | 1s12 | 15 3 | 1 17 | 21 58 | 0 36 | 6 6 | 0 15 | 22 5 | 0 16 | 17 45 | 1 53 | 21 24 | 0 2 | 19 7 | 1 37 | 9 57 | 11 8 | 22 59 | 22 50 | 20 12 | 14 36 | 1 58 | |
| M23 | 18 22 | 20 12 | 2 24 | 14 24 | 1 11 | 21 47 | 0 38 | 6 21 | 0 16 | 22 3 | 0 17 | 17 45 | 1 52 | 21 24 | 0 2 | 19 7 | 1 38 | 9 57 | 11 8 | 22 59 | 22 50 | 20 13 | 14 36 | 1 58 | |
| T 24 | 18 7 | 16 53 | 3 25 | 13 44 | 1 5 | 21 36 | 0 40 | 6 36 | 0 17 | 22 1 | 0 17 | 17 46 | 1 52 | 21 24 | 0 2 | 19 7 | 1 38 | 9 57 | 11 8 | 22 59 | 22 50 | 20 14 | 14 36 | 1 59 | |
| W25 | 17 52 | 12 42 | 4 14 | 13 3 | 0 59 | 21 23 | 0 43 | 6 51 | 0 18 | 21 59 | 0 17 | 17 46 | 1 52 | 21 24 | 0 2 | 19 8 | 1 38 | 9 57 | 11 8 | 22 58 | 22 49 | 20 15 | 14 36 | 1 59 | |
| T 26 | 17 36 | 7 57 | 4 47 | 12 23 | 0 52 | 21 10 | 0 45 | 7 6 | 0 19 | 21 57 | 0 17 | 17 46 | 1 52 | 21 24 | 0 2 | 19 8 | 1 38 | 9 57 | 11 8 | 22 57 | 22 49 | 20 16 | 14 36 | 1 59 | |
| F 27 | 17 20 | 2 57 | 5 4 | 11 42 | 0 45 | 20 57 | 0 47 | 7 21 | 0 20 | 21 55 | 0 17 | 17 46 | 1 51 | 21 24 | 0 2 | 19 8 | 1 38 | 9 57 | 11 8 | 22 56 | 22 49 | 20 17 | 14 36 | 1 59 | |
| S 28 | 17 4 | 2s 3 | 5 4 | 11 1 | 0 38 | 20 43 | 0 49 | 7 36 | 0 21 | 21 53 | 0 17 | 17 47 | 1 51 | 21 23 | 0 2 | 19 8 | 1 38 | 9 57 | 11 9 | 22 56 | 22 48 | 20 18 | 14 36 | 1 59 | |
| S 29 | 16 47 | 6 51 | 4 50 | 10 20 | 0 31 | 20 28 | 0 51 | 7 51 | 0 22 | 21 51 | 0 17 | 17 47 | 1 51 | 21 23 | 0 2 | 19 8 | 1 38 | 9 57 | 11 9 | 22 55 | 22 48 | 20 19 | 14 36 | 2 0 | |
| M30 | 16 31 | 11 15 | 4 22 | 9 39 | 0 23 | 20 13 | 0 52 | 8 6 | 0 22 | 21 49 | 0 17 | 17 47 | 1 51 | 21 23 | 0 2 | 19 8 | 1 38 | 9 57 | 11 9 | 22 54 | 22 48 | 20 20 | 14 37 | 2 0 | |
| T 31 | 16n14 | 15s 8 | 3s44 | 8n58 | 0n15 | 19n57 | 0n54 | 8s21 | 0s23 | 21n47 | 0n17 | 17s48 | 1n50 | 21s23 | 0n 2 | 19n 8 | 1s38 | 9n57 | 11s 9 | 22s54 | 22s47 | 20s20 | 14n37 | 2s 0 | |

Julian Day Number = 2231493.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'08, Lahiri = 15°27'09 Julian Calendar 1 July 1397 == Greg. Calendar 9 July 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## AUGUST 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 11 26 | 16♌30'11 | 12♏19 | 9♍ 8 | 6♌17 | 21♎ 1 | 23♋32 | 27♏11 | 6°R12 | 2♊35 | 3♊26 | 17°D11 | 16♐ 2 | 22♏ 1 | 15♉29 | W 1 |
| T 2 | 21 15 22 | 17°27'55 | 24° 8 | 10°36 | 7°31 | 21°39 | 23°45 | 27°11 | 6♐12 | 2°35 | 3°26 | 17♐11 | 15°59 | 22° 8 | 15°29 | T 2 |
| F 3 | 21 19 19 | 18°25'41 | 5♐59 | 12° 2 | 8°46 | 22°16 | 23°57 | 27°12 | 6°12 | 2°36 | 3°27 | 17°12 | 15°56 | 22°14 | 15°30 | F 3 |
| S 4 | 21 23 15 | 19°23'27 | 17°55 | 13°26 | 10° 0 | 22°55 | 24°10 | 27°13 | 6°11 | 2°37 | 3°27 | 17°R12 | 15°53 | 22°21 | 15°31 | S 4 |
| S 5 | 21 27 12 | 20°21'15 | 0♑ 2 | 14°49 | 11°14 | 23°33 | 24°23 | 27°15 | 6°11 | 2°38 | 3°28 | 17°12 | 15°50 | 22°28 | 15°31 | S 5 |
| M 6 | 21 31 8 | 21°19'04 | 12°25 | 16°10 | 12°28 | 24°11 | 24°35 | 27°16 | 6°11 | 2°39 | 3°28 | 17° 9 | 15°46 | 22°34 | 15°32 | M 6 |
| T 7 | 21 35 5 | 22°16'55 | 25° 6 | 17°30 | 13°42 | 24°49 | 24°48 | 27°17 | 6°D11 | 2°39 | 3°28 | 17° 4 | 15°43 | 22°41 | 15°32 | T 7 |
| W 8 | 21 39 2 | 23°14'47 | 8♒ 6 | 18°48 | 14°56 | 25°28 | 25° 1 | 27°19 | 6°11 | 2°40 | 3°29 | 16°56 | 15°40 | 22°48 | 15°32 | W 8 |
| T 9 | 21 42 58 | 24°12'40 | 21°27 | 20° 4 | 16°10 | 26° 6 | 25°13 | 27°20 | 6°11 | 2°41 | 3°29 | 16°46 | 15°37 | 22°54 | 15°33 | T 9 |
| F 10 | 21 46 55 | 25°10'35 | 5♓ 6 | 21°18 | 17°25 | 26°45 | 25°25 | 27°22 | 6°12 | 2°41 | 3°29 | 16°35 | 15°34 | 23° 1 | 15°33 | F 10 |
| S 11 | 21 50 51 | 26° 8'31 | 19° 0 | 22°30 | 18°39 | 27°24 | 25°38 | 27°23 | 6°12 | 2°42 | 3°30 | 16°25 | 15°31 | 23° 7 | 15°33 | S 11 |
| S 12 | 21 54 48 | 27° 6'29 | 3♈ 5 | 23°41 | 19°53 | 28° 3 | 25°50 | 27°25 | 6°12 | 2°42 | 3°30 | 16°15 | 15°27 | 23°14 | 15°33 | S 12 |
| M13 | 21 58 44 | 28° 4'29 | 17°17 | 24°49 | 21° 7 | 28°42 | 26° 2 | 27°27 | 6°12 | 2°43 | 3°30 | 16° 7 | 15°24 | 23°21 | 15°R33 | M13 |
| T 14 | 22 2 41 | 29° 2'31 | 1♉30 | 25°55 | 22°22 | 29°21 | 26°15 | 27°29 | 6°13 | 2°43 | 3°31 | 16° 2 | 15°21 | 23°27 | 15°33 | T 14 |
| W15 | 22 6 37 | 0♍ 0'35 | 15°42 | 26°59 | 23°36 | 0♏ 0 | 26°27 | 27°31 | 6°13 | 2°44 | 3°31 | 16° 0 | 15°18 | 23°34 | 15°33 | W15 |
| T 16 | 22 10 34 | 0°58'41 | 29°51 | 28° 1 | 24°50 | 0°40 | 26°39 | 27°33 | 6°13 | 2°44 | 3°31 | 15°D59 | 15°15 | 23°41 | 15°33 | T 16 |
| F 17 | 22 14 31 | 1°56'49 | 13♊56 | 29° 0 | 26° 5 | 1°19 | 26°51 | 27°36 | 6°14 | 2°45 | 3°31 | 15°R59 | 15°11 | 23°47 | 15°32 | F 17 |
| S 18 | 22 18 27 | 2°54'59 | 27°56 | 29°56 | 27°19 | 1°59 | 27° 3 | 27°38 | 6°14 | 2°45 | 3°31 | 15°59 | 15° 8 | 23°54 | 15°32 | S 18 |
| S 19 | 22 22 24 | 3°53'11 | 11♋49 | 0♎49 | 28°34 | 2°39 | 27°15 | 27°40 | 6°15 | 2°45 | 3°32 | 15°57 | 15° 5 | 24° 1 | 15°32 | S 19 |
| M20 | 22 26 20 | 4°51'25 | 25°36 | 1°40 | 29°48 | 3°18 | 27°27 | 27°43 | 6°16 | 2°46 | 3°32 | 15°52 | 15° 2 | 24° 7 | 15°31 | M20 |
| T 21 | 22 30 17 | 5°49'41 | 9♌14 | 2°27 | 1♍ 3 | 3°58 | 27°39 | 27°45 | 6°16 | 2°46 | 3°32 | 15°45 | 14°59 | 24°14 | 15°31 | T 21 |
| W22 | 22 34 13 | 6°47'59 | 22°41 | 3°11 | 2°17 | 4°38 | 27°50 | 27°48 | 6°17 | 2°46 | 3°32 | 15°34 | 14°56 | 24°21 | 15°30 | W22 |
| T 23 | 22 38 10 | 7°46'19 | 5♍56 | 3°51 | 3°32 | 5°18 | 28° 2 | 27°51 | 6°18 | 2°46 | 3°32 | 15°22 | 14°52 | 24°27 | 15°30 | T 23 |
| F 24 | 22 42 6 | 8°44'41 | 18°56 | 4°27 | 4°46 | 5°59 | 28°14 | 27°54 | 6°19 | 2°46 | 3°32 | 15° 9 | 14°49 | 24°34 | 15°29 | F 24 |
| S 25 | 22 46 3 | 9°43'04 | 1♎40 | 4°59 | 6° 1 | 6°39 | 28°25 | 27°57 | 6°20 | 2°47 | 3°R32 | 14°56 | 14°46 | 24°41 | 15°28 | S 25 |
| S 26 | 22 49 59 | 10°41'29 | 14° 7 | 5°26 | 7°16 | 7°19 | 28°37 | 28° 0 | 6°21 | 2°47 | 3°32 | 14°45 | 14°43 | 24°47 | 15°27 | S 26 |
| M27 | 22 53 56 | 11°39'56 | 26°20 | 5°48 | 8°30 | 8° 0 | 28°48 | 28° 3 | 6°22 | 2°47 | 3°32 | 14°36 | 14°40 | 24°54 | 15°27 | M27 |
| T 28 | 22 57 53 | 12°38'25 | 8♏21 | 6° 5 | 9°45 | 8°41 | 29° 0 | 28° 6 | 6°23 | 2°R47 | 3°32 | 14°30 | 14°36 | 25° 1 | 15°26 | T 28 |
| W29 | 23 1 49 | 13°36'55 | 20°13 | 6°17 | 11° 0 | 9°21 | 29°11 | 28°10 | 6°24 | 2°47 | 3°32 | 14°27 | 14°33 | 25° 7 | 15°25 | W29 |
| T 30 | 23 5 46 | 14°35'27 | 2♐ 1 | 6°R23 | 12°14 | 10° 2 | 29°22 | 28°13 | 6°25 | 2°47 | 3°32 | 14°25 | 14°30 | 25°14 | 15°24 | T 30 |
| F 31 | 23 9 42 | 15♍34'01 | 13♐50 | 6♎22 | 13♍29 | 10♏43 | 29♋33 | 28♏17 | 6♐26 | 2♊47 | 3♊32 | 14♐25 | 14♐27 | 25♏21 | 15♉22 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15n56 | 18s22 | 2s56 | 8n17 | 0n 7 | 19n40 | 0n56 | 8s36 | 0s24 | 21n45 | 0n18 | 17s48 | 1n50 | 21s23 | 0n 2 | 19n 9 | 1s38 | 9n57 | 11s 9 | 22s54 | 22s47 | 20s21 | 14n37 | 2s 0 |
| T 2 | 15 39 | 20 49 | 2 0 | 7 36 | 0s 1 | 19 23 | 0 58 | 8 51 | 0 25 | 21 43 | 0 18 | 17 49 | 1 50 | 21 23 | 0 2 | 19 9 | 1 38 | 9 57 | 11 10 | 22 54 | 22 47 | 20 22 | 14 37 | 2 1 |
| F 3 | 15 21 | 22 21 | 1 0 | 6 55 | 0 10 | 19 5 | 1 0 | 9 6 | 0 26 | 21 41 | 0 18 | 17 49 | 1 50 | 21 23 | 0 2 | 19 9 | 1 38 | 9 57 | 11 10 | 22 54 | 22 46 | 20 23 | 14 37 | 2 1 |
| S 4 | 15 3 | 22 54 | 0n 4 | 6 15 | 0 18 | 18 47 | 1 1 | 9 21 | 0 27 | 21 38 | 0 18 | 17 50 | 1 49 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 10 | 22 54 | 22 46 | 20 24 | 14 36 | 2 1 |
| S 5 | 14 45 | 22 23 | 1 8 | 5 35 | 0 27 | 18 28 | 1 3 | 9 36 | 0 27 | 21 36 | 0 18 | 17 50 | 1 49 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 10 | 22 54 | 22 46 | 20 25 | 14 36 | 2 1 |
| M 6 | 14 26 | 20 46 | 2 10 | 4 55 | 0 36 | 18 9 | 1 5 | 9 51 | 0 28 | 21 34 | 0 18 | 17 51 | 1 49 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 10 | 22 54 | 22 45 | 20 26 | 14 36 | 2 1 |
| T 7 | 14 8 | 18 7 | 3 8 | 4 16 | 0 45 | 17 49 | 1 6 | 10 5 | 0 29 | 21 32 | 0 18 | 17 51 | 1 49 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 11 | 22 53 | 22 45 | 20 27 | 14 36 | 2 2 |
| W 8 | 13 49 | 14 29 | 3 56 | 3 37 | 0 54 | 17 29 | 1 8 | 10 20 | 0 30 | 21 30 | 0 18 | 17 52 | 1 48 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 11 | 22 52 | 22 45 | 20 28 | 14 36 | 2 2 |
| T 9 | 13 30 | 10 4 | 4 34 | 2 58 | 1 4 | 17 8 | 1 9 | 10 35 | 0 30 | 21 28 | 0 18 | 17 52 | 1 48 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 11 | 22 51 | 22 44 | 20 29 | 14 36 | 2 2 |
| F 10 | 13 10 | 5 4 | 4 56 | 2 21 | 1 13 | 16 47 | 1 10 | 10 50 | 0 31 | 21 26 | 0 19 | 17 53 | 1 48 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 11 | 22 50 | 22 44 | 20 30 | 14 36 | 2 2 |
| S 11 | 12 51 | 0n16 | 5 2 | 1 44 | 1 22 | 16 25 | 1 12 | 11 5 | 0 32 | 21 23 | 0 19 | 17 53 | 1 48 | 21 23 | 0 2 | 19 9 | 1 38 | 9 56 | 11 11 | 22 49 | 22 44 | 20 31 | 14 36 | 2 3 |
| S 12 | 12 31 | 5 39 | 4 50 | 1 7 | 1 32 | 16 3 | 1 13 | 11 19 | 0 33 | 21 21 | 0 19 | 17 54 | 1 48 | 21 23 | 0 1 | 19 10 | 1 38 | 9 55 | 11 12 | 22 48 | 22 43 | 20 32 | 14 35 | 2 3 |
| M13 | 12 11 | 10 48 | 4 19 | 0 31 | 1 41 | 15 40 | 1 14 | 11 34 | 0 34 | 21 19 | 0 19 | 17 55 | 1 47 | 21 23 | 0 1 | 19 10 | 1 39 | 9 55 | 11 12 | 22 47 | 22 43 | 20 33 | 14 35 | 2 3 |
| T 14 | 11 51 | 15 21 | 3 33 | 0s 4 | 1 50 | 15 17 | 1 15 | 11 49 | 0 34 | 21 17 | 0 19 | 17 55 | 1 47 | 21 23 | 0 1 | 19 10 | 1 39 | 9 55 | 11 12 | 22 47 | 22 43 | 20 34 | 14 35 | 2 3 |
| W15 | 11 30 | 19 2 | 2 33 | 0 38 | 2 0 | 14 54 | 1 16 | 12 3 | 0 35 | 21 15 | 0 19 | 17 56 | 1 47 | 21 24 | 0 1 | 19 10 | 1 39 | 9 55 | 11 12 | 22 47 | 22 42 | 20 34 | 14 35 | 2 4 |
| T 16 | 11 10 | 21 34 | 1 24 | 1 11 | 2 9 | 14 30 | 1 17 | 12 18 | 0 36 | 21 13 | 0 19 | 17 57 | 1 47 | 21 24 | 0 1 | 19 10 | 1 39 | 9 55 | 11 12 | 22 47 | 22 42 | 20 35 | 14 34 | 2 4 |
| F 17 | 10 49 | 22 44 | 0 11 | 1 42 | 2 18 | 14 5 | 1 18 | 12 32 | 0 36 | 21 10 | 0 19 | 17 58 | 1 46 | 21 24 | 0 1 | 19 10 | 1 39 | 9 55 | 11 13 | 22 47 | 22 41 | 20 36 | 14 34 | 2 4 |
| S 18 | 10 28 | 22 27 | 1s 3 | 2 13 | 2 27 | 13 41 | 1 19 | 12 47 | 0 37 | 21 8 | 0 20 | 17 58 | 1 46 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 13 | 22 47 | 22 41 | 20 37 | 14 34 | 2 4 |
| S 19 | 10 7 | 20 48 | 2 12 | 2 43 | 2 36 | 13 16 | 1 20 | 13 1 | 0 38 | 21 6 | 0 20 | 17 59 | 1 46 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 13 | 22 46 | 22 41 | 20 38 | 14 34 | 2 4 |
| M20 | 9 46 | 17 55 | 3 13 | 3 11 | 2 45 | 12 50 | 1 21 | 13 16 | 0 39 | 21 4 | 0 20 | 18 0 | 1 46 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 13 | 22 46 | 22 40 | 20 39 | 14 33 | 2 5 |
| T 21 | 9 24 | 14 6 | 4 2 | 3 38 | 2 54 | 12 24 | 1 21 | 13 30 | 0 39 | 21 1 | 0 20 | 18 1 | 1 45 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 13 | 22 45 | 22 40 | 20 40 | 14 33 | 2 5 |
| W22 | 9 3 | 9 38 | 4 37 | 4 3 | 3 2 | 11 58 | 1 22 | 13 44 | 0 40 | 20 59 | 0 20 | 18 2 | 1 45 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 14 | 22 44 | 22 40 | 20 41 | 14 32 | 2 5 |
| T 23 | 8 41 | 4 46 | 4 56 | 4 26 | 3 10 | 11 32 | 1 23 | 13 58 | 0 41 | 20 57 | 0 20 | 18 2 | 1 45 | 21 24 | 0 1 | 19 10 | 1 39 | 9 54 | 11 14 | 22 43 | 22 39 | 20 41 | 14 32 | 2 5 |
| F 24 | 8 19 | 0s12 | 5 0 | 4 48 | 3 18 | 11 5 | 1 23 | 14 12 | 0 41 | 20 55 | 0 20 | 18 3 | 1 45 | 21 25 | 0 1 | 19 10 | 1 39 | 9 53 | 11 14 | 22 41 | 22 39 | 20 42 | 14 32 | 2 6 |
| S 25 | 7 57 | 5 4 | 4 48 | 5 7 | 3 25 | 10 38 | 1 24 | 14 26 | 0 42 | 20 53 | 0 20 | 18 4 | 1 45 | 21 25 | 0 1 | 19 10 | 1 39 | 9 53 | 11 14 | 22 40 | 22 39 | 20 43 | 14 31 | 2 6 |
| S 26 | 7 35 | 9 37 | 4 23 | 5 24 | 3 32 | 10 10 | 1 24 | 14 40 | 0 43 | 20 50 | 0 21 | 18 5 | 1 44 | 21 25 | 0 1 | 19 10 | 1 39 | 9 53 | 11 14 | 22 39 | 22 38 | 20 44 | 14 31 | 2 6 |
| M27 | 7 13 | 13 42 | 3 45 | 5 39 | 3 38 | 9 42 | 1 24 | 14 54 | 0 43 | 20 48 | 0 21 | 18 6 | 1 44 | 21 25 | 0 1 | 19 10 | 1 39 | 9 53 | 11 15 | 22 38 | 22 38 | 20 45 | 14 30 | 2 6 |
| T 28 | 6 50 | 17 9 | 2 59 | 5 51 | 3 44 | 9 15 | 1 25 | 15 8 | 0 44 | 20 46 | 0 21 | 18 7 | 1 44 | 21 25 | 0 1 | 19 10 | 1 39 | 9 53 | 11 15 | 22 37 | 22 38 | 20 46 | 14 30 | 2 6 |
| W29 | 6 28 | 19 51 | 2 4 | 6 0 | 3 49 | 8 46 | 1 25 | 15 22 | 0 45 | 20 44 | 0 21 | 18 8 | 1 44 | 21 26 | 0 1 | 19 10 | 1 39 | 9 52 | 11 15 | 22 36 | 22 37 | 20 46 | 14 29 | 2 7 |
| T 30 | 6 5 | 21 42 | 1 5 | 6 6 | 3 53 | 8 18 | 1 25 | 15 35 | 0 45 | 20 42 | 0 21 | 18 9 | 1 43 | 21 26 | 0 1 | 19 9 | 1 39 | 9 52 | 11 15 | 22 36 | 22 37 | 20 47 | 14 29 | 2 7 |
| F 31 | 5n42 | 22s35 | 0s 3 | 6s 9 | 3s56 | 7n49 | 1n25 | 15s49 | 0s46 | 20n39 | 0n21 | 18s10 | 1n43 | 21s26 | 0n 1 | 19n 9 | 1s39 | 9n52 | 11s15 | 22s36 | 22s36 | 20s48 | 14n28 | 2s 7 |

Julian Day Number = 2231524.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'13, Lahiri = 15°27'13 Julian Calendar 1 Aug. 1397 == Greg. Calendar 9 Aug. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## SEPTEMBER 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 13 39 | 16♍32'36 | 25♐46 | 6°R15 | 14♍44 | 11♏24 | 29♋44 | 28♏20 | 6♐27 | 2°R46 | 3°R32 | 14°R25 | 14♐24 | 25♏27 | 15°R21 | S 1 |
| S 2 | 23 17 35 | 17°31'13 | 7♑53 | 6♎ 1 | 15°59 | 12° 5 | 29°55 | 28°24 | 6°29 | 2♊46 | 3♊31 | 14♐24 | 14°21 | 25°34 | 15♉20 | S 2 |
| M 3 | 23 21 32 | 18°29'52 | 20°18 | 5°40 | 17°13 | 12°46 | 0♌ 6 | 28°27 | 6°30 | 2°46 | 3°31 | 14°21 | 14°17 | 25°41 | 15°19 | M 3 |
| T 4 | 23 25 28 | 19°28'33 | 3♒ 4 | 5°12 | 18°28 | 13°28 | 0°17 | 28°31 | 6°32 | 2°46 | 3°31 | 14°15 | 14°14 | 25°47 | 15°17 | T 4 |
| W 5 | 23 29 25 | 20°27'15 | 16°15 | 4°36 | 19°43 | 14° 9 | 0°27 | 28°35 | 6°33 | 2°46 | 3°31 | 14° 7 | 14°11 | 25°54 | 15°16 | W 5 |
| T 6 | 23 33 22 | 21°25'59 | 29°50 | 3°54 | 20°58 | 14°51 | 0°38 | 28°39 | 6°35 | 2°45 | 3°31 | 13°57 | 14° 8 | 26° 0 | 15°14 | T 6 |
| F 7 | 23 37 18 | 22°24'45 | 13♓49 | 3° 5 | 22°12 | 15°32 | 0°48 | 28°43 | 6°36 | 2°45 | 3°30 | 13°45 | 14° 5 | 26° 7 | 15°13 | F 7 |
| S 8 | 23 41 15 | 23°23'33 | 28° 7 | 2°11 | 23°27 | 16°14 | 0°59 | 28°47 | 6°38 | 2°45 | 3°30 | 13°33 | 14° 2 | 26°14 | 15°11 | S 8 |
| S 9 | 23 45 11 | 24°22'23 | 12♈38 | 1°11 | 24°42 | 16°55 | 1° 9 | 28°51 | 6°39 | 2°44 | 3°30 | 13°23 | 13°58 | 26°20 | 15°10 | S 9 |
| M10 | 23 49 8 | 25°21'15 | 27°16 | 0° 7 | 25°57 | 17°37 | 1°19 | 28°56 | 6°41 | 2°44 | 3°29 | 13°14 | 13°55 | 26°27 | 15° 8 | M10 |
| T 11 | 23 53 4 | 26°20'09 | 11♉52 | 29♍ 0 | 27°12 | 18°19 | 1°30 | 29° 0 | 6°43 | 2°43 | 3°29 | 13° 9 | 13°52 | 26°34 | 15° 6 | T 11 |
| W12 | 23 57 1 | 27°19'06 | 26°22 | 27°52 | 28°27 | 19° 1 | 1°40 | 29° 4 | 6°45 | 2°43 | 3°29 | 13° 6 | 13°49 | 26°40 | 15° 4 | W12 |
| T 13 | 0 0 57 | 28°18'05 | 10♊42 | 26°45 | 29°42 | 19°43 | 1°50 | 29° 9 | 6°46 | 2°43 | 3°28 | 13°D 5 | 13°46 | 26°47 | 15° 3 | T 13 |
| F 14 | 0 4 54 | 29°17'07 | 24°49 | 25°40 | 0♎56 | 20°25 | 1°59 | 29°14 | 6°48 | 2°42 | 3°28 | 13°R 5 | 13°42 | 26°54 | 15° 1 | F 14 |
| S 15 | 0 8 51 | 0♎16'11 | 8♋42 | 24°40 | 2°11 | 21° 8 | 2° 9 | 29°18 | 6°50 | 2°41 | 3°28 | 13° 5 | 13°39 | 27° 0 | 14°59 | S 15 |
| S 16 | 0 12 47 | 1°15'17 | 22°23 | 23°45 | 3°26 | 21°50 | 2°19 | 29°23 | 6°52 | 2°41 | 3°27 | 13° 3 | 13°36 | 27° 7 | 14°57 | S 16 |
| M17 | 0 16 44 | 2°14'25 | 5♌51 | 22°57 | 4°41 | 22°33 | 2°28 | 29°28 | 6°54 | 2°40 | 3°27 | 12°59 | 13°33 | 27°14 | 14°55 | M17 |
| T 18 | 0 20 40 | 3°13'36 | 19° 7 | 22°18 | 5°56 | 23°15 | 2°38 | 29°32 | 6°56 | 2°40 | 3°26 | 12°52 | 13°30 | 27°20 | 14°52 | T 18 |
| W19 | 0 24 37 | 4°12'49 | 2♍12 | 21°49 | 7°11 | 23°58 | 2°47 | 29°37 | 6°58 | 2°39 | 3°26 | 12°43 | 13°27 | 27°27 | 14°50 | W19 |
| T 20 | 0 28 33 | 5°12'04 | 15° 5 | 21°30 | 8°26 | 24°40 | 2°56 | 29°42 | 7° 0 | 2°38 | 3°25 | 12°31 | 13°23 | 27°34 | 14°48 | T 20 |
| F 21 | 0 32 30 | 6°11'22 | 27°46 | 21°D22 | 9°41 | 25°23 | 3° 5 | 29°47 | 7° 3 | 2°37 | 3°25 | 12°19 | 13°20 | 27°40 | 14°46 | F 21 |
| S 22 | 0 36 26 | 7°10'41 | 10♎14 | 21°24 | 10°56 | 26° 6 | 3°14 | 29°53 | 7° 5 | 2°37 | 3°24 | 12° 7 | 13°17 | 27°47 | 14°43 | S 22 |
| S 23 | 0 40 23 | 8°10'03 | 22°30 | 21°37 | 12°11 | 26°49 | 3°23 | 29°58 | 7° 7 | 2°36 | 3°23 | 11°57 | 13°14 | 27°54 | 14°41 | S 23 |
| M24 | 0 44 19 | 9° 9'26 | 4♏36 | 22° 0 | 13°26 | 27°32 | 3°32 | 0♐ 3 | 7° 9 | 2°35 | 3°23 | 11°48 | 13°11 | 28° 0 | 14°39 | M24 |
| T 25 | 0 48 16 | 10° 8'52 | 16°31 | 22°33 | 14°41 | 28°15 | 3°40 | 0° 8 | 7°12 | 2°34 | 3°22 | 11°43 | 13° 7 | 28° 7 | 14°36 | T 25 |
| W26 | 0 52 13 | 11° 8'19 | 28°21 | 23°15 | 15°56 | 28°58 | 3°49 | 0°14 | 7°14 | 2°33 | 3°22 | 11°39 | 13° 4 | 28°13 | 14°34 | W26 |
| T 27 | 0 56 9 | 12° 7'49 | 10♐ 7 | 24° 6 | 17°11 | 29°42 | 3°57 | 0°19 | 7°17 | 2°32 | 3°21 | 11°D38 | 13° 1 | 28°20 | 14°31 | T 27 |
| F 28 | 1 0 6 | 13° 7'20 | 21°54 | 25° 4 | 18°26 | 0♑25 | 4° 5 | 0°24 | 7°19 | 2°31 | 3°20 | 11°39 | 12°58 | 28°27 | 14°29 | F 28 |
| S 29 | 1 4 2 | 14° 6'53 | 3♑48 | 26° 9 | 19°41 | 1° 9 | 4°13 | 0°30 | 7°22 | 2°30 | 3°20 | 11°40 | 12°55 | 28°33 | 14°26 | S 29 |
| S 30 | 1 7 59 | 15♎ 6'28 | 15♑53 | 27♍20 | 20♎57 | 1♑52 | 4♌21 | 0♐36 | 7♑24 | 2♊29 | 3♊19 | 11°R40 | 12♑52 | 28♏40 | 14♉23 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n20 | 22s27 | 1n 0 | 6s 8 | 3s58 | 7n20 | 1n25 | 16s 2 | 0s46 | 20n37 | 0n21 | 18s11 | 1n43 | 21s26 | 0n 1 | 19n 9 | 1s40 | 9n52 | 11s16 | 22s36 | 22s36 | 20s49 | 14n28 | 2s 7 |
| S 2 | 4 57 | 21 16 | 2 1 | 6 3 | 3 59 | 6 51 | 1 25 | 16 15 | 0 47 | 20 35 | 0 21 | 18 12 | 1 43 | 21 26 | 0 1 | 19 9 | 1 40 | 9 51 | 11 16 | 22 36 | 22 36 | 20 50 | 14 27 | 2 8 |
| M 3 | 4 34 | 19 3 | 2 58 | 5 55 | 3 59 | 6 22 | 1 25 | 16 29 | 0 48 | 20 33 | 0 22 | 18 13 | 1 43 | 21 27 | 0 1 | 19 9 | 1 40 | 9 51 | 11 16 | 22 36 | 22 35 | 20 50 | 14 27 | 2 8 |
| T 4 | 4 11 | 15 51 | 3 47 | 5 42 | 3 57 | 5 52 | 1 24 | 16 42 | 0 48 | 20 31 | 0 22 | 18 14 | 1 42 | 21 27 | 0 1 | 19 9 | 1 40 | 9 51 | 11 16 | 22 35 | 22 35 | 20 51 | 14 26 | 2 8 |
| W 5 | 3 48 | 11 47 | 4 27 | 5 25 | 3 54 | 5 23 | 1 24 | 16 55 | 0 49 | 20 29 | 0 22 | 18 15 | 1 42 | 21 27 | 0 1 | 19 9 | 1 40 | 9 51 | 11 16 | 22 34 | 22 35 | 20 52 | 14 25 | 2 8 |
| T 6 | 3 24 | 7 0 | 4 52 | 5 3 | 3 49 | 4 53 | 1 24 | 17 8 | 0 49 | 20 26 | 0 22 | 18 16 | 1 42 | 21 27 | 0 1 | 19 9 | 1 40 | 9 51 | 11 17 | 22 33 | 22 34 | 20 53 | 14 25 | 2 8 |
| F 7 | 3 1 | 1 45 | 5 1 | 4 37 | 3 42 | 4 23 | 1 24 | 17 20 | 0 50 | 20 24 | 0 22 | 18 17 | 1 42 | 21 28 | 0 1 | 19 9 | 1 40 | 9 50 | 11 17 | 22 31 | 22 34 | 20 53 | 14 24 | 2 9 |
| S 8 | 2 38 | 3n42 | 4 51 | 4 7 | 3 33 | 3 53 | 1 23 | 17 33 | 0 51 | 20 22 | 0 22 | 18 18 | 1 42 | 21 28 | 0 1 | 19 9 | 1 40 | 9 50 | 11 17 | 22 30 | 22 33 | 20 54 | 14 23 | 2 9 |
| S 9 | 2 15 | 9 2 | 4 23 | 3 33 | 3 22 | 3 22 | 1 23 | 17 46 | 0 51 | 20 20 | 0 23 | 18 19 | 1 41 | 21 28 | 0 1 | 19 9 | 1 40 | 9 50 | 11 17 | 22 29 | 22 33 | 20 55 | 14 23 | 2 9 |
| M10 | 1 51 | 13 54 | 3 37 | 2 56 | 3 9 | 2 52 | 1 22 | 17 58 | 0 52 | 20 18 | 0 23 | 18 20 | 1 41 | 21 29 | 0 1 | 19 8 | 1 40 | 9 50 | 11 17 | 22 28 | 22 33 | 20 56 | 14 22 | 2 9 |
| T 11 | 1 28 | 17 56 | 2 37 | 2 16 | 2 54 | 2 22 | 1 21 | 18 10 | 0 52 | 20 16 | 0 23 | 18 21 | 1 41 | 21 29 | 0 1 | 19 8 | 1 40 | 9 49 | 11 18 | 22 27 | 22 32 | 20 56 | 14 21 | 2 10 |
| W12 | 1 4 | 20 49 | 1 27 | 1 34 | 2 38 | 1 51 | 1 21 | 18 23 | 0 53 | 20 14 | 0 23 | 18 23 | 1 41 | 21 29 | 0 1 | 19 8 | 1 40 | 9 49 | 11 18 | 22 27 | 22 32 | 20 57 | 14 21 | 2 10 |
| T 13 | 0 41 | 22 20 | 0 13 | 0 51 | 2 20 | 1 21 | 1 20 | 18 35 | 0 53 | 20 12 | 0 23 | 18 24 | 1 41 | 21 30 | 0 1 | 19 8 | 1 40 | 9 49 | 11 18 | 22 27 | 22 32 | 20 58 | 14 20 | 2 10 |
| F 14 | 0 17 | 22 23 | 1s 2 | 0 8 | 2 1 | 0 50 | 1 19 | 18 47 | 0 54 | 20 10 | 0 23 | 18 25 | 1 40 | 21 30 | 0 1 | 19 8 | 1 40 | 9 49 | 11 18 | 22 27 | 22 31 | 20 59 | 14 19 | 2 10 |
| S 15 | 0s 6 | 21 2 | 2 12 | 0n34 | 1 42 | 0 19 | 1 18 | 18 58 | 0 54 | 20 7 | 0 23 | 18 26 | 1 40 | 21 30 | 0 1 | 19 8 | 1 40 | 9 48 | 11 18 | 22 27 | 22 31 | 20 59 | 14 18 | 2 10 |
| S 16 | 0 30 | 18 29 | 3 13 | 1 15 | 1 21 | 0s12 | 1 17 | 19 10 | 0 55 | 20 5 | 0 24 | 18 27 | 1 40 | 21 31 | 0 1 | 19 8 | 1 40 | 9 48 | 11 18 | 22 26 | 22 30 | 21 0 | 14 18 | 2 11 |
| M17 | 0 54 | 14 58 | 4 2 | 1 52 | 1 1 | 0 42 | 1 16 | 19 21 | 0 55 | 20 3 | 0 24 | 18 28 | 1 40 | 21 31 | 0 1 | 19 7 | 1 40 | 9 48 | 11 19 | 22 26 | 22 30 | 21 1 | 14 17 | 2 11 |
| T 18 | 1 17 | 10 45 | 4 37 | 2 26 | 0 41 | 1 13 | 1 15 | 19 33 | 0 56 | 20 1 | 0 24 | 18 30 | 1 40 | 21 31 | 0 1 | 19 7 | 1 40 | 9 48 | 11 19 | 22 25 | 22 30 | 21 2 | 14 16 | 2 11 |
| W19 | 1 41 | 6 6 | 4 57 | 2 56 | 0 21 | 1 44 | 1 14 | 19 44 | 0 56 | 19 59 | 0 24 | 18 31 | 1 40 | 21 32 | 0 1 | 19 7 | 1 40 | 9 47 | 11 19 | 22 24 | 22 29 | 21 2 | 14 15 | 2 11 |
| T 20 | 2 4 | 1 15 | 5 2 | 3 21 | 0 2 | 2 15 | 1 13 | 19 55 | 0 57 | 19 57 | 0 24 | 18 32 | 1 39 | 21 32 | 0 1 | 19 7 | 1 40 | 9 47 | 11 19 | 22 22 | 22 29 | 21 3 | 14 14 | 2 11 |
| F 21 | 2 28 | 3s34 | 4 52 | 3 41 | 0n16 | 2 45 | 1 12 | 20 6 | 0 57 | 19 56 | 0 24 | 18 33 | 1 39 | 21 32 | 0 1 | 19 7 | 1 40 | 9 47 | 11 19 | 22 21 | 22 28 | 21 4 | 14 13 | 2 12 |
| S 22 | 2 51 | 8 10 | 4 27 | 3 55 | 0 32 | 3 16 | 1 10 | 20 17 | 0 58 | 19 54 | 0 25 | 18 35 | 1 39 | 21 33 | 0 1 | 19 6 | 1 40 | 9 47 | 11 19 | 22 19 | 22 28 | 21 4 | 14 13 | 2 12 |
| S 23 | 3 15 | 12 21 | 3 51 | 4 4 | 0 47 | 3 47 | 1 9 | 20 27 | 0 58 | 19 52 | 0 25 | 18 36 | 1 39 | 21 33 | 0 1 | 19 6 | 1 41 | 9 46 | 11 20 | 22 18 | 22 28 | 21 5 | 14 12 | 2 12 |
| M24 | 3 38 | 15 59 | 3 4 | 4 7 | 1 1 | 4 17 | 1 7 | 20 38 | 0 59 | 19 50 | 0 25 | 18 37 | 1 39 | 21 34 | 0 1 | 19 6 | 1 41 | 9 46 | 11 20 | 22 17 | 22 27 | 21 6 | 14 11 | 2 12 |
| T 25 | 4 2 | 18 55 | 2 10 | 4 5 | 1 13 | 4 48 | 1 6 | 20 48 | 0 59 | 19 48 | 0 25 | 18 38 | 1 38 | 21 34 | 0 1 | 19 6 | 1 41 | 9 46 | 11 20 | 22 16 | 22 27 | 21 6 | 14 10 | 2 12 |
| W26 | 4 25 | 21 0 | 1 11 | 3 58 | 1 24 | 5 18 | 1 4 | 20 58 | 1 0 | 19 46 | 0 25 | 18 40 | 1 38 | 21 34 | 0 1 | 19 6 | 1 41 | 9 45 | 11 20 | 22 15 | 22 26 | 21 7 | 14 9 | 2 12 |
| T 27 | 4 49 | 22 10 | 0 8 | 3 47 | 1 34 | 5 48 | 1 3 | 21 8 | 1 0 | 19 44 | 0 25 | 18 41 | 1 38 | 21 35 | 0 1 | 19 5 | 1 41 | 9 45 | 11 20 | 22 15 | 22 26 | 21 8 | 14 8 | 2 13 |
| F 28 | 5 12 | 22 21 | 0n55 | 3 31 | 1 41 | 6 18 | 1 1 | 21 17 | 1 0 | 19 43 | 0 26 | 18 42 | 1 38 | 21 35 | 0 1 | 19 5 | 1 41 | 9 45 | 11 20 | 22 15 | 22 26 | 21 8 | 14 7 | 2 13 |
| S 29 | 5 35 | 21 32 | 1 56 | 3 11 | 1 48 | 6 48 | 1 0 | 21 27 | 1 1 | 19 41 | 0 26 | 18 44 | 1 38 | 21 36 | 0 1 | 19 5 | 1 41 | 9 45 | 11 21 | 22 15 | 22 25 | 21 9 | 14 6 | 2 13 |
| S 30 | 5s58 | 19s42 | 2n53 | 2n48 | 1n53 | 7s18 | 0n58 | 21s36 | 1s 1 | 19n39 | 0n26 | 18s45 | 1n38 | 21s36 | 0n 1 | 19n 5 | 1s41 | 9n44 | 11s21 | 22s15 | 22s25 | 21s10 | 14n 5 | 2s13 |

Julian Day Number = 2231555.5, Delta T = 07m57s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'17, Lahiri = 15°27'17 Julian Calendar 1 Sept. 1397 == Greg. Calendar 9 Sept. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## OCTOBER 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 11 55 | 16♎ 6'04 | 28♉16 | 28♍36 | 22♎12 | 2♐36 | 4♑29 | 0♐41 | 7♐27 | 2°R28 | 3°R18 | 11°R39 | 12♐48 | 28♏47 | 14°R21 | M 1 |
| T 2 | 1 15 52 | 17° 5'43 | 11♒ 0 | 29°56 | 23°27 | 3°19 | 4°37 | 0°47 | 7°29 | 2♊27 | 3♊18 | 11♐36 | 12°45 | 28°53 | 14♉18 | T 2 |
| W 3 | 1 19 48 | 18° 5'23 | 24°10 | 1♎21 | 24°42 | 4° 3 | 4°45 | 0°53 | 7°32 | 2°26 | 3°17 | 11°31 | 12°42 | 29° 0 | 14°15 | W 3 |
| T 4 | 1 23 45 | 19° 5'04 | 7♓48 | 2°48 | 25°57 | 4°47 | 4°52 | 0°58 | 7°35 | 2°25 | 3°16 | 11°25 | 12°39 | 29° 7 | 14°12 | T 4 |
| F 5 | 1 27 42 | 20° 4'48 | 21°54 | 4°19 | 27°12 | 5°31 | 4°59 | 1° 4 | 7°37 | 2°24 | 3°15 | 11°17 | 12°36 | 29°13 | 14° 9 | F 5 |
| S 6 | 1 31 38 | 21° 4'33 | 6♈25 | 5°52 | 28°27 | 6°15 | 5° 6 | 1°10 | 7°40 | 2°23 | 3°14 | 11° 8 | 12°33 | 29°20 | 14° 7 | S 6 |
| S 7 | 1 35 35 | 22° 4'21 | 21°14 | 7°26 | 29°42 | 6°59 | 5°13 | 1°16 | 7°43 | 2°21 | 3°14 | 11° 1 | 12°29 | 29°27 | 14° 4 | S 7 |
| M 8 | 1 39 31 | 23° 4'10 | 6♉13 | 9° 2 | 0♏57 | 7°43 | 5°20 | 1°22 | 7°46 | 2°20 | 3°13 | 10°55 | 12°26 | 29°33 | 14° 1 | M 8 |
| T 9 | 1 43 28 | 24° 4'02 | 21°14 | 10°39 | 2°12 | 8°27 | 5°27 | 1°28 | 7°49 | 2°19 | 3°12 | 10°51 | 12°23 | 29°40 | 13°58 | T 9 |
| W10 | 1 47 24 | 25° 3'55 | 6♊ 7 | 12°17 | 3°27 | 9°11 | 5°34 | 1°34 | 7°52 | 2°18 | 3°11 | 10°D50 | 12°20 | 29°47 | 13°55 | W10 |
| T 11 | 1 51 21 | 26° 3'51 | 20°46 | 13°56 | 4°42 | 9°56 | 5°40 | 1°40 | 7°54 | 2°16 | 3°10 | 10°50 | 12°17 | 29°53 | 13°52 | T 11 |
| F 12 | 1 55 17 | 27° 3'49 | 5♋ 7 | 15°35 | 5°57 | 10°40 | 5°46 | 1°47 | 7°57 | 2°15 | 3° 9 | 10°51 | 12°13 | 29°59 | 13°49 | F 12 |
| S 13 | 1 59 14 | 28° 3'49 | 19° 7 | 17°14 | 7°12 | 11°24 | 5°52 | 1°53 | 8° 0 | 2°14 | 3° 8 | 10°52 | 12°10 | 0♑ 7 | 13°46 | S 13 |
| S 14 | 2 3 11 | 29° 3'52 | 2♌48 | 18°53 | 8°28 | 12° 9 | 5°58 | 1°59 | 8° 3 | 2°12 | 3° 8 | 10°R52 | 12° 7 | 0°13 | 13°43 | S 14 |
| M15 | 2 7 7 | 0♏ 3'57 | 16° 9 | 20°33 | 9°43 | 12°54 | 6° 4 | 2° 5 | 8° 7 | 2°11 | 3° 7 | 10°51 | 12° 4 | 0°20 | 13°40 | M15 |
| T 16 | 2 11 4 | 1° 4'03 | 29°12 | 22°12 | 10°58 | 13°38 | 6°10 | 2°12 | 8°10 | 2°10 | 3° 6 | 10°48 | 12° 1 | 0°26 | 13°36 | T 16 |
| W17 | 2 15 0 | 2° 4'12 | 12♍ 0 | 23°52 | 12°13 | 14°23 | 6°15 | 2°18 | 8°13 | 2° 8 | 3° 5 | 10°43 | 11°58 | 0°33 | 13°33 | W17 |
| T 18 | 2 18 57 | 3° 4'23 | 24°35 | 25°31 | 13°28 | 15° 8 | 6°21 | 2°25 | 8°16 | 2° 7 | 3° 4 | 10°37 | 11°54 | 0°40 | 13°30 | T 18 |
| F 19 | 2 22 53 | 4° 4'36 | 6♎58 | 27°10 | 14°43 | 15°53 | 6°26 | 2°31 | 8°19 | 2° 5 | 3° 3 | 10°30 | 11°51 | 0°46 | 13°27 | F 19 |
| S 20 | 2 26 50 | 5° 4'51 | 19°11 | 28°48 | 15°58 | 16°38 | 6°31 | 2°38 | 8°22 | 2° 4 | 3° 2 | 10°23 | 11°48 | 0°53 | 13°24 | S 20 |
| S 21 | 2 30 46 | 6° 5'07 | 1♏15 | 0♏27 | 17°13 | 17°23 | 6°35 | 2°44 | 8°25 | 2° 2 | 3° 1 | 10°17 | 11°45 | 1° 0 | 13°21 | S 21 |
| M22 | 2 34 43 | 7° 5'26 | 13°12 | 2° 5 | 18°29 | 18° 8 | 6°40 | 2°51 | 8°29 | 2° 1 | 3° 0 | 10°13 | 11°42 | 1° 6 | 13°17 | M22 |
| T 23 | 2 38 40 | 8° 5'46 | 25° 2 | 3°43 | 19°44 | 18°53 | 6°45 | 2°57 | 8°32 | 1°59 | 2°59 | 10°10 | 11°39 | 1°13 | 13°14 | T 23 |
| W24 | 2 42 36 | 9° 6'08 | 6♑49 | 5°20 | 20°59 | 19°38 | 6°49 | 3° 4 | 8°35 | 1°58 | 2°58 | 10°D 9 | 11°35 | 1°20 | 13°11 | W24 |
| T 25 | 2 46 33 | 10° 6'32 | 18°35 | 6°57 | 22°14 | 20°23 | 6°53 | 3°11 | 8°39 | 1°56 | 2°57 | 10° 9 | 11°32 | 1°26 | 13° 8 | T 25 |
| F 26 | 2 50 29 | 11° 6'57 | 0♉24 | 8°34 | 23°29 | 21° 9 | 6°57 | 3°17 | 8°42 | 1°55 | 2°56 | 10°10 | 11°29 | 1°33 | 13° 5 | F 26 |
| S 27 | 2 54 26 | 12° 7'24 | 12°18 | 10°11 | 24°44 | 21°54 | 7° 1 | 3°24 | 8°45 | 1°53 | 2°55 | 10°12 | 11°26 | 1°40 | 13° 1 | S 27 |
| S 28 | 2 58 22 | 13° 7'52 | 24°22 | 11°47 | 25°59 | 22°39 | 7° 4 | 3°31 | 8°49 | 1°52 | 2°54 | 10°14 | 11°23 | 1°46 | 12°58 | S 28 |
| M29 | 3 2 19 | 14° 8'21 | 6♒42 | 13°23 | 27°14 | 23°25 | 7° 8 | 3°37 | 8°52 | 1°50 | 2°52 | 10°15 | 11°19 | 1°53 | 12°55 | M29 |
| T 30 | 3 6 15 | 15° 8'52 | 19°21 | 14°58 | 28°30 | 24°10 | 7°11 | 3°44 | 8°55 | 1°48 | 2°51 | 10°R15 | 11°16 | 2° 0 | 12°52 | T 30 |
| W31 | 3 10 12 | 16♏ 9'24 | 2♓25 | 16♏34 | 29♏45 | 24♑56 | 7♑14 | 3♑51 | 8♑59 | 1♊47 | 2♊50 | 10♑14 | 11♑13 | 2♑ 6 | 12♉48 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6s21 | 16s55 | 3n44 | 2n21 | 1n57 | 7s48 | 0n56 | 21s45 | 1s 2 | 19n37 | 0n26 | 18s46 | 1n38 | 21s36 | 0n 1 | 19n 4 | 1s41 | 9n44 | 11s21 | 22s15 | 22s24 | 21s10 | 14n 4 | 2s13 |
| T 2 | 6 44 | 13 17 | 4 25 | 1 51 | 2 0 | 8 18 | 0 54 | 21 54 | 1 2 | 19 36 | 0 26 | 18 48 | 1 37 | 21 37 | 0 1 | 19 4 | 1 41 | 9 44 | 11 21 | 22 15 | 22 24 | 21 11 | 14 3 | 2 14 |
| W 3 | 7 7 | 8 54 | 4 53 | 1 19 | 2 2 | 8 47 | 0 53 | 22 3 | 1 2 | 19 34 | 0 26 | 18 49 | 1 37 | 21 37 | 0 1 | 19 4 | 1 41 | 9 44 | 11 21 | 22 14 | 22 24 | 21 12 | 14 2 | 2 14 |
| T 4 | 7 30 | 3 56 | 5 7 | 0 45 | 2 3 | 9 16 | 0 51 | 22 11 | 1 3 | 19 32 | 0 27 | 18 50 | 1 37 | 21 38 | 0 1 | 19 4 | 1 41 | 9 43 | 11 21 | 22 13 | 22 23 | 21 12 | 14 1 | 2 14 |
| F 5 | 7 52 | 1n24 | 5 2 | 0 9 | 2 2 | 9 45 | 0 49 | 22 20 | 1 3 | 19 31 | 0 27 | 18 52 | 1 37 | 21 38 | 0 1 | 19 3 | 1 41 | 9 43 | 11 21 | 22 12 | 22 23 | 21 13 | 14 0 | 2 14 |
| S 6 | 8 15 | 6 48 | 4 38 | 0s28 | 2 2 | 10 14 | 0 47 | 22 28 | 1 4 | 19 29 | 0 27 | 18 53 | 1 37 | 21 39 | 0 1 | 19 3 | 1 41 | 9 43 | 11 22 | 22 11 | 22 22 | 21 13 | 13 59 | 2 14 |
| S 7 | 8 37 | 11 56 | 3 55 | 1 7 | 2 0 | 10 42 | 0 45 | 22 36 | 1 4 | 19 28 | 0 27 | 18 54 | 1 37 | 21 39 | 0 1 | 19 3 | 1 41 | 9 43 | 11 22 | 22 10 | 22 22 | 21 14 | 13 58 | 2 14 |
| M 8 | 9 0 | 16 24 | 2 56 | 1 47 | 1 58 | 11 10 | 0 43 | 22 43 | 1 4 | 19 26 | 0 27 | 18 56 | 1 36 | 21 40 | 0 1 | 19 3 | 1 41 | 9 42 | 11 22 | 22 9 | 22 22 | 21 15 | 13 57 | 2 15 |
| T 9 | 9 22 | 19 48 | 1 44 | 2 28 | 1 55 | 11 38 | 0 41 | 22 51 | 1 5 | 19 25 | 0 27 | 18 57 | 1 36 | 21 40 | 0 1 | 19 2 | 1 41 | 9 42 | 11 22 | 22 9 | 22 21 | 21 15 | 13 56 | 2 15 |
| W10 | 9 44 | 21 49 | 0 25 | 3 10 | 1 51 | 12 6 | 0 39 | 22 58 | 1 5 | 19 23 | 0 28 | 18 58 | 1 36 | 21 41 | 0 1 | 19 2 | 1 41 | 9 42 | 11 22 | 22 8 | 22 21 | 21 16 | 13 55 | 2 15 |
| T 11 | 10 6 | 22 18 | 0s54 | 3 52 | 1 48 | 12 34 | 0 36 | 23 5 | 1 5 | 19 22 | 0 28 | 19 0 | 1 36 | 21 41 | 0 1 | 19 2 | 1 41 | 9 41 | 11 22 | 22 8 | 22 20 | 21 16 | 13 54 | 2 15 |
| F 12 | 10 28 | 21 17 | 2 8 | 4 34 | 1 43 | 13 1 | 0 34 | 23 12 | 1 6 | 19 21 | 0 28 | 19 1 | 1 36 | 21 42 | 0 1 | 19 2 | 1 41 | 9 41 | 11 22 | 22 9 | 22 20 | 21 17 | 13 53 | 2 15 |
| S 13 | 10 49 | 18 58 | 3 13 | 5 16 | 1 39 | 13 28 | 0 32 | 23 19 | 1 6 | 19 19 | 0 28 | 19 2 | 1 36 | 21 42 | 0 1 | 19 1 | 1 41 | 9 41 | 11 22 | 22 9 | 22 19 | 21 18 | 13 52 | 2 15 |
| S 14 | 11 11 | 15 37 | 4 5 | 5 59 | 1 34 | 13 54 | 0 30 | 23 25 | 1 6 | 19 18 | 0 28 | 19 4 | 1 36 | 21 43 | 0 1 | 19 1 | 1 41 | 9 41 | 11 22 | 22 9 | 22 19 | 21 18 | 13 51 | 2 15 |
| M15 | 11 32 | 11 33 | 4 42 | 6 41 | 1 28 | 14 20 | 0 28 | 23 31 | 1 7 | 19 17 | 0 29 | 19 5 | 1 35 | 21 43 | 0 1 | 19 1 | 1 41 | 9 40 | 11 23 | 22 9 | 22 19 | 21 19 | 13 50 | 2 16 |
| T 16 | 11 53 | 7 2 | 5 4 | 7 24 | 1 23 | 14 46 | 0 25 | 23 37 | 1 7 | 19 15 | 0 29 | 19 7 | 1 35 | 21 44 | 0 1 | 19 0 | 1 41 | 9 40 | 11 23 | 22 8 | 22 18 | 21 19 | 13 49 | 2 16 |
| W17 | 12 14 | 2 18 | 5 11 | 8 6 | 1 17 | 15 11 | 0 23 | 23 43 | 1 7 | 19 14 | 0 29 | 19 8 | 1 35 | 21 44 | 0 1 | 19 0 | 1 41 | 9 40 | 11 23 | 22 8 | 22 18 | 21 20 | 13 48 | 2 16 |
| T 18 | 12 35 | 2s27 | 5 2 | 8 48 | 1 11 | 15 36 | 0 21 | 23 48 | 1 7 | 19 13 | 0 29 | 19 9 | 1 35 | 21 45 | 0 1 | 19 0 | 1 41 | 9 40 | 11 23 | 22 7 | 22 17 | 21 20 | 13 47 | 2 16 |
| F 19 | 12 55 | 7 2 | 4 38 | 9 29 | 1 5 | 16 1 | 0 18 | 23 53 | 1 8 | 19 12 | 0 29 | 19 11 | 1 35 | 21 45 | 0 1 | 18 59 | 1 41 | 9 39 | 11 23 | 22 6 | 22 17 | 21 21 | 13 46 | 2 16 |
| S 20 | 13 15 | 11 17 | 4 3 | 10 10 | 0 58 | 16 25 | 0 16 | 23 58 | 1 8 | 19 11 | 0 30 | 19 12 | 1 35 | 21 46 | 0 1 | 18 59 | 1 41 | 9 39 | 11 23 | 22 5 | 22 17 | 21 21 | 13 45 | 2 16 |
| S 21 | 13 36 | 15 1 | 3 17 | 10 51 | 0 52 | 16 49 | 0 13 | 24 3 | 1 8 | 19 10 | 0 30 | 19 14 | 1 35 | 21 46 | 0 1 | 18 59 | 1 41 | 9 39 | 11 23 | 22 4 | 22 16 | 21 22 | 13 44 | 2 16 |
| M22 | 13 55 | 18 6 | 2 22 | 11 31 | 0 46 | 17 12 | 0 11 | 24 7 | 1 8 | 19 9 | 0 30 | 19 15 | 1 35 | 21 47 | 0 1 | 18 58 | 1 41 | 9 39 | 11 23 | 22 3 | 22 16 | 21 22 | 13 43 | 2 16 |
| T 23 | 14 15 | 20 25 | 1 22 | 12 11 | 0 39 | 17 35 | 0 9 | 24 11 | 1 9 | 19 8 | 0 30 | 19 16 | 1 35 | 21 47 | 0 1 | 18 58 | 1 41 | 9 38 | 11 23 | 22 3 | 22 15 | 21 23 | 13 42 | 2 17 |
| W24 | 14 35 | 21 49 | 0 18 | 12 50 | 0 32 | 17 58 | 0 6 | 24 15 | 1 9 | 19 7 | 0 30 | 19 18 | 1 34 | 21 48 | 0 1 | 18 58 | 1 42 | 9 38 | 11 23 | 22 3 | 22 15 | 21 24 | 13 40 | 2 17 |
| T 25 | 14 54 | 22 15 | 0n46 | 13 29 | 0 26 | 18 20 | 0 4 | 24 19 | 1 9 | 19 6 | 0 31 | 19 19 | 1 34 | 21 48 | 0 1 | 18 58 | 1 42 | 9 38 | 11 23 | 22 3 | 22 14 | 21 24 | 13 39 | 2 17 |
| F 26 | 15 13 | 21 42 | 1 49 | 14 6 | 0 19 | 18 41 | 0 1 | 24 22 | 1 9 | 19 5 | 0 31 | 19 20 | 1 34 | 21 49 | 0 1 | 18 57 | 1 42 | 9 38 | 11 23 | 22 3 | 22 14 | 21 25 | 13 38 | 2 17 |
| S 27 | 15 31 | 20 10 | 2 48 | 14 43 | 0 12 | 19 2 | 0s 1 | 24 26 | 1 10 | 19 5 | 0 31 | 19 22 | 1 34 | 21 49 | 0 1 | 18 57 | 1 42 | 9 37 | 11 23 | 22 3 | 22 13 | 21 25 | 13 37 | 2 17 |
| S 28 | 15 50 | 17 42 | 3 40 | 15 20 | 0 5 | 19 22 | 0 4 | 24 28 | 1 10 | 19 4 | 0 31 | 19 23 | 1 34 | 21 50 | 0 1 | 18 57 | 1 42 | 9 37 | 11 24 | 22 3 | 22 13 | 21 26 | 13 36 | 2 17 |
| M29 | 16 8 | 14 25 | 4 23 | 15 55 | 0s 1 | 19 42 | 0 6 | 24 31 | 1 10 | 19 3 | 0 31 | 19 25 | 1 34 | 21 50 | 0 1 | 18 56 | 1 42 | 9 37 | 11 24 | 22 3 | 22 13 | 21 26 | 13 35 | 2 17 |
| T 30 | 16 26 | 10 24 | 4 55 | 16 30 | 0 8 | 20 2 | 0 9 | 24 33 | 1 10 | 19 3 | 0 32 | 19 26 | 1 34 | 21 51 | 0 1 | 18 56 | 1 42 | 9 37 | 11 24 | 22 3 | 22 12 | 21 27 | 13 34 | 2 17 |
| W31 | 16s44 | 5s47 | 5n13 | 17s 4 | 0s15 | 20s20 | 0s11 | 24s35 | 1s10 | 19n 2 | 0n32 | 19s27 | 1n34 | 21s51 | 0n 1 | 18n56 | 1s42 | 9n36 | 11s24 | 22s 3 | 22s12 | 21s27 | 13n33 | 2s17 |

Julian Day Number = 2231585.5, Delta T = 07m56s
Ecliptic obliquity = 23°31'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'21, Lahiri = 15°27'21 Julian Calendar 1 Oct. 1397 == Greg. Calendar 9 Oct. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## NOVEMBER 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 14 9 | 17♏ 9'57 | 15♓55 | 18♏ 9 | 1♐ 0 | 25♐42 | 7♌17 | 3♐58 | 9♐ 2 | 1°R45 | 2°R49 | 10°R12 | 11♐10 | 2♐13 | 12°R45 | T 1 |
| F 2 | 3 18 5 | 18°10'31 | 29°54 | 19°44 | 2°15 | 26°27 | 7°19 | 4° 5 | 9° 6 | 1♊44 | 2♊48 | 10♐ 9 | 11° 7 | 2°19 | 12♉42 | F 2 |
| S 3 | 3 22 2 | 19°11'07 | 14♈21 | 21°18 | 3°30 | 27°13 | 7°22 | 4°12 | 9° 9 | 1°42 | 2°47 | 10° 6 | 11° 4 | 2°26 | 12°39 | S 3 |
| S 4 | 3 25 58 | 20°11'44 | 29°11 | 22°53 | 4°45 | 27°59 | 7°24 | 4°19 | 9°13 | 1°40 | 2°46 | 10° 3 | 11° 0 | 2°33 | 12°35 | S 4 |
| M 5 | 3 29 55 | 21°12'22 | 14♉17 | 24°27 | 6° 0 | 28°45 | 7°26 | 4°26 | 9°16 | 1°39 | 2°45 | 10° 1 | 10°57 | 2°39 | 12°32 | M 5 |
| T 6 | 3 33 51 | 22°13'02 | 29°31 | 26° 1 | 7°15 | 29°31 | 7°28 | 4°32 | 9°20 | 1°37 | 2°44 | 10° 0 | 10°54 | 2°46 | 12°29 | T 6 |
| W 7 | 3 37 48 | 23°13'44 | 14♊42 | 27°35 | 8°30 | 0♑17 | 7°30 | 4°39 | 9°23 | 1°35 | 2°43 | 10°D 0 | 10°51 | 2°53 | 12°26 | W 7 |
| T 8 | 3 41 44 | 24°14'27 | 29°42 | 29° 9 | 9°45 | 1° 3 | 7°32 | 4°46 | 9°27 | 1°34 | 2°41 | 10° 1 | 10°48 | 2°59 | 12°23 | T 8 |
| F 9 | 3 45 41 | 25°15'11 | 14♋22 | 0♐42 | 11° 0 | 1°49 | 7°33 | 4°53 | 9°30 | 1°32 | 2°40 | 10° 2 | 10°45 | 3° 6 | 12°20 | F 9 |
| S 10 | 3 49 38 | 26°15'57 | 28°38 | 2°16 | 12°16 | 2°35 | 7°34 | 5° 0 | 9°34 | 1°30 | 2°39 | 10° 3 | 10°41 | 3°13 | 12°17 | S 10 |
| S 11 | 3 53 34 | 27°16'44 | 12♌29 | 3°49 | 13°31 | 3°21 | 7°35 | 5° 7 | 9°38 | 1°29 | 2°38 | 10° 4 | 10°38 | 3°19 | 12°13 | S 11 |
| M12 | 3 57 31 | 28°17'33 | 25°54 | 5°22 | 14°46 | 4° 7 | 7°36 | 5°14 | 9°41 | 1°27 | 2°37 | 10°R 4 | 10°35 | 3°26 | 12°10 | M12 |
| T 13 | 4 1 27 | 29°18'24 | 8♍56 | 6°56 | 16° 1 | 4°53 | 7°36 | 5°21 | 9°45 | 1°25 | 2°36 | 10° 4 | 10°32 | 3°33 | 12° 7 | T 13 |
| W14 | 4 5 24 | 0♐19'16 | 21°38 | 8°29 | 17°16 | 5°39 | 7°37 | 5°28 | 9°48 | 1°23 | 2°35 | 10° 3 | 10°29 | 3°39 | 12° 4 | W14 |
| T 15 | 4 9 20 | 1°20'09 | 4♎ 3 | 10° 2 | 18°31 | 6°26 | 7°R37 | 5°36 | 9°52 | 1°22 | 2°33 | 10° 2 | 10°25 | 3°46 | 12° 1 | T 15 |
| F 16 | 4 13 17 | 2°21'03 | 16°14 | 11°35 | 19°46 | 7°12 | 7°37 | 5°43 | 9°56 | 1°20 | 2°32 | 10° 1 | 10°22 | 3°52 | 11°58 | F 16 |
| S 17 | 4 17 13 | 3°21'59 | 28°16 | 13° 8 | 21° 1 | 7°59 | 7°37 | 5°50 | 9°59 | 1°18 | 2°31 | 10° 0 | 10°19 | 3°59 | 11°55 | S 17 |
| S 18 | 4 21 10 | 4°22'57 | 10♏10 | 14°41 | 22°16 | 8°45 | 7°36 | 5°57 | 10° 3 | 1°17 | 2°30 | 9°59 | 10°16 | 4° 6 | 11°52 | S 18 |
| M19 | 4 25 7 | 5°23'55 | 21°59 | 16°14 | 23°31 | 9°32 | 7°36 | 6° 4 | 10° 7 | 1°15 | 2°29 | 9°59 | 10°13 | 4°12 | 11°49 | M19 |
| T 20 | 4 29 3 | 6°24'54 | 3♐47 | 17°46 | 24°46 | 10°18 | 7°35 | 6°11 | 10°10 | 1°13 | 2°28 | 9°59 | 10°10 | 4°19 | 11°46 | T 20 |
| W21 | 4 33 0 | 7°25'55 | 15°34 | 19°19 | 26° 1 | 11° 5 | 7°34 | 6°18 | 10°14 | 1°12 | 2°27 | 9°D59 | 10° 6 | 4°26 | 11°44 | W21 |
| T 22 | 4 36 56 | 8°26'56 | 27°24 | 20°51 | 27°16 | 11°51 | 7°32 | 6°25 | 10°18 | 1°10 | 2°25 | 9°59 | 10° 3 | 4°32 | 11°41 | T 22 |
| F 23 | 4 40 53 | 9°27'58 | 9♑17 | 22°24 | 28°31 | 12°38 | 7°31 | 6°32 | 10°21 | 1° 8 | 2°24 | 9°59 | 10° 0 | 4°39 | 11°38 | F 23 |
| S 24 | 4 44 49 | 10°29'01 | 21°18 | 23°56 | 29°46 | 13°25 | 7°29 | 6°39 | 10°25 | 1° 7 | 2°23 | 9°R59 | 9°57 | 4°46 | 11°35 | S 24 |
| S 25 | 4 48 46 | 11°30'05 | 3♒28 | 25°28 | 1♑ 1 | 14°11 | 7°28 | 6°46 | 10°29 | 1° 5 | 2°22 | 9°59 | 9°54 | 4°52 | 11°33 | S 25 |
| M26 | 4 52 42 | 12°31'09 | 15°51 | 26°59 | 2°16 | 14°58 | 7°26 | 6°53 | 10°32 | 1° 3 | 2°21 | 9°58 | 9°51 | 4°59 | 11°30 | M26 |
| T 27 | 4 56 39 | 13°32'13 | 28°30 | 28°30 | 3°31 | 15°45 | 7°23 | 7° 0 | 10°36 | 1° 2 | 2°20 | 9°58 | 9°47 | 5° 6 | 11°27 | T 27 |
| W28 | 5 0 36 | 14°33'18 | 11♓28 | 0♑ 1 | 4°46 | 16°32 | 7°21 | 7° 7 | 10°40 | 1° 0 | 2°19 | 9°D58 | 9°44 | 5°12 | 11°25 | W28 |
| T 29 | 5 4 32 | 15°34'24 | 24°49 | 1°31 | 6° 1 | 17°19 | 7°18 | 7°14 | 10°43 | 0°58 | 2°18 | 9°58 | 9°41 | 5°19 | 11°22 | T 29 |
| F 30 | 5 8 29 | 16♐35'29 | 8♈34 | 3♑ 1 | 7♑16 | 18♑ 5 | 7♌16 | 7♐21 | 10♐47 | 0♊57 | 2♊16 | 9♐58 | 9♐38 | 5♐26 | 11♉20 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17s 1 | 0s45 | 5n14 | 17s38 | 0s21 | 20s39 | 0s14 | 24s37 | 1s11 | 19n 2 | 0n32 | 19s29 | 1n34 | 21s52 | 0n 1 | 18n55 | 1s42 | 9n36 | 11s24 | 22s 3 | 22s11 | 21s27 | 13n32 | 2s17 |
| F 2 | 17 18 | 4n30 | 4 57 | 18 10 | 0 28 | 20 56 | 0 16 | 24 39 | 1 11 | 19 1 | 0 32 | 19 30 | 1 34 | 21 52 | 0 1 | 18 55 | 1 42 | 9 36 | 11 24 | 22 3 | 22 11 | 21 28 | 13 31 | 2 18 |
| S 3 | 17 35 | 9 41 | 4 21 | 18 42 | 0 34 | 21 13 | 0 19 | 24 40 | 1 11 | 19 1 | 0 32 | 19 31 | 1 33 | 21 53 | 0 1 | 18 55 | 1 42 | 9 36 | 11 24 | 22 2 | 22 10 | 21 28 | 13 30 | 2 18 |
| S 4 | 17 51 | 14 27 | 3 27 | 19 12 | 0 40 | 21 30 | 0 21 | 24 41 | 1 11 | 19 0 | 0 33 | 19 33 | 1 33 | 21 54 | 0 1 | 18 54 | 1 42 | 9 35 | 11 24 | 22 2 | 22 10 | 21 29 | 13 29 | 2 18 |
| M 5 | 18 7 | 18 22 | 2 18 | 19 42 | 0 47 | 21 46 | 0 23 | 24 42 | 1 11 | 19 0 | 0 33 | 19 34 | 1 33 | 21 54 | 0 1 | 18 54 | 1 42 | 9 35 | 11 24 | 22 1 | 22 10 | 21 29 | 13 28 | 2 18 |
| T 6 | 18 23 | 21 3 | 0 58 | 20 11 | 0 53 | 22 1 | 0 26 | 24 42 | 1 11 | 19 0 | 0 33 | 19 35 | 1 33 | 21 55 | 0 1 | 18 54 | 1 42 | 9 35 | 11 24 | 22 1 | 22 9 | 21 30 | 13 27 | 2 18 |
| W 7 | 18 38 | 22 12 | 0s26 | 20 38 | 0 59 | 22 16 | 0 28 | 24 42 | 1 11 | 18 59 | 0 33 | 19 37 | 1 33 | 21 55 | 0 1 | 18 53 | 1 42 | 9 35 | 11 24 | 22 1 | 22 9 | 21 30 | 13 26 | 2 18 |
| T 8 | 18 54 | 21 44 | 1 47 | 21 5 | 1 5 | 22 30 | 0 31 | 24 42 | 1 12 | 18 59 | 0 33 | 19 38 | 1 33 | 21 56 | 0 1 | 18 53 | 1 42 | 9 35 | 11 24 | 22 1 | 22 8 | 21 31 | 13 25 | 2 18 |
| F 9 | 19 8 | 19 46 | 2 59 | 21 31 | 1 11 | 22 43 | 0 33 | 24 42 | 1 12 | 18 59 | 0 34 | 19 39 | 1 33 | 21 56 | 0 1 | 18 53 | 1 42 | 9 34 | 11 24 | 22 2 | 22 8 | 21 31 | 13 24 | 2 18 |
| S 10 | 19 23 | 16 37 | 3 58 | 21 55 | 1 16 | 22 55 | 0 36 | 24 41 | 1 12 | 18 59 | 0 34 | 19 41 | 1 33 | 21 57 | 0 1 | 18 52 | 1 42 | 9 34 | 11 24 | 22 2 | 22 7 | 21 32 | 13 23 | 2 18 |
| S 11 | 19 37 | 12 36 | 4 42 | 22 19 | 1 22 | 23 7 | 0 38 | 24 40 | 1 12 | 18 59 | 0 34 | 19 42 | 1 33 | 21 57 | 0 1 | 18 52 | 1 42 | 9 34 | 11 24 | 22 2 | 22 7 | 21 32 | 13 22 | 2 18 |
| M12 | 19 51 | 8 6 | 5 8 | 22 42 | 1 27 | 23 19 | 0 40 | 24 39 | 1 12 | 18 59 | 0 34 | 19 43 | 1 33 | 21 58 | 0 1 | 18 51 | 1 42 | 9 34 | 11 24 | 22 2 | 22 6 | 21 32 | 13 21 | 2 18 |
| T 13 | 20 4 | 3 20 | 5 17 | 23 3 | 1 32 | 23 29 | 0 43 | 24 38 | 1 12 | 18 59 | 0 35 | 19 45 | 1 33 | 21 58 | 0 1 | 18 51 | 1 42 | 9 34 | 11 24 | 22 2 | 22 6 | 21 33 | 13 20 | 2 18 |
| W14 | 20 17 | 1s26 | 5 11 | 23 23 | 1 37 | 23 39 | 0 45 | 24 36 | 1 12 | 18 59 | 0 35 | 19 46 | 1 33 | 21 59 | 0 1 | 18 51 | 1 42 | 9 33 | 11 24 | 22 2 | 22 5 | 21 33 | 13 19 | 2 18 |
| T 15 | 20 30 | 6 3 | 4 50 | 23 42 | 1 42 | 23 48 | 0 47 | 24 34 | 1 12 | 18 59 | 0 35 | 19 47 | 1 33 | 22 0 | 0 1 | 18 50 | 1 42 | 9 33 | 11 24 | 22 2 | 22 5 | 21 34 | 13 18 | 2 18 |
| F 16 | 20 42 | 10 21 | 4 16 | 24 0 | 1 46 | 23 57 | 0 49 | 24 31 | 1 12 | 19 0 | 0 35 | 19 49 | 1 32 | 22 0 | 0 1 | 18 50 | 1 42 | 9 33 | 11 24 | 22 1 | 22 5 | 21 34 | 13 17 | 2 18 |
| S 17 | 20 54 | 14 11 | 3 32 | 24 16 | 1 50 | 24 4 | 0 52 | 24 29 | 1 12 | 19 0 | 0 35 | 19 50 | 1 32 | 22 1 | 0 1 | 18 50 | 1 42 | 9 33 | 11 24 | 22 1 | 22 4 | 21 34 | 13 16 | 2 19 |
| S 18 | 21 5 | 17 25 | 2 38 | 24 32 | 1 54 | 24 11 | 0 54 | 24 26 | 1 12 | 19 0 | 0 36 | 19 51 | 1 32 | 22 1 | 0 1 | 18 49 | 1 42 | 9 33 | 11 24 | 22 1 | 22 4 | 21 35 | 13 15 | 2 19 |
| M19 | 21 16 | 19 54 | 1 38 | 24 45 | 1 58 | 24 17 | 0 56 | 24 23 | 1 12 | 19 1 | 0 36 | 19 52 | 1 32 | 22 2 | 0 1 | 18 49 | 1 42 | 9 33 | 11 23 | 22 1 | 22 3 | 21 35 | 13 14 | 2 19 |
| T 20 | 21 27 | 21 32 | 0 34 | 24 58 | 2 1 | 24 23 | 0 58 | 24 19 | 1 12 | 19 1 | 0 36 | 19 54 | 1 32 | 22 2 | 0 0 | 18 49 | 1 42 | 9 32 | 11 23 | 22 1 | 22 3 | 21 35 | 13 13 | 2 19 |
| W21 | 21 37 | 22 13 | 0n31 | 25 9 | 2 5 | 24 28 | 1 0 | 24 15 | 1 12 | 19 1 | 0 36 | 19 55 | 1 32 | 22 3 | 0 0 | 18 48 | 1 42 | 9 32 | 11 23 | 22 1 | 22 2 | 21 36 | 13 12 | 2 19 |
| T 22 | 21 47 | 21 54 | 1 35 | 25 19 | 2 7 | 24 32 | 1 2 | 24 11 | 1 12 | 19 2 | 0 37 | 19 56 | 1 32 | 22 3 | 0 0 | 18 48 | 1 42 | 9 32 | 11 23 | 22 1 | 22 2 | 21 36 | 13 11 | 2 19 |
| F 23 | 21 56 | 20 36 | 2 36 | 25 27 | 2 10 | 24 35 | 1 4 | 24 7 | 1 12 | 19 3 | 0 37 | 19 57 | 1 32 | 22 4 | 0 0 | 18 48 | 1 42 | 9 32 | 11 23 | 22 1 | 22 1 | 21 37 | 13 10 | 2 19 |
| S 24 | 22 5 | 18 22 | 3 30 | 25 34 | 2 12 | 24 37 | 1 6 | 24 2 | 1 12 | 19 3 | 0 37 | 19 59 | 1 32 | 22 4 | 0 0 | 18 47 | 1 42 | 9 32 | 11 23 | 22 1 | 22 1 | 21 37 | 13 9 | 2 19 |
| S 25 | 22 14 | 15 18 | 4 16 | 25 40 | 2 14 | 24 39 | 1 8 | 23 57 | 1 12 | 19 4 | 0 37 | 20 0 | 1 32 | 22 5 | 0 0 | 18 47 | 1 42 | 9 32 | 11 23 | 22 1 | 22 0 | 21 37 | 13 9 | 2 19 |
| M26 | 22 22 | 11 31 | 4 50 | 25 44 | 2 15 | 24 40 | 1 10 | 23 52 | 1 12 | 19 5 | 0 37 | 20 1 | 1 32 | 22 6 | 0 0 | 18 47 | 1 42 | 9 32 | 11 23 | 22 1 | 22 0 | 21 38 | 13 8 | 2 19 |
| T 27 | 22 30 | 7 10 | 5 12 | 25 46 | 2 16 | 24 40 | 1 12 | 23 47 | 1 12 | 19 5 | 0 38 | 20 2 | 1 32 | 22 6 | 0 0 | 18 47 | 1 41 | 9 31 | 11 23 | 22 1 | 21 59 | 21 38 | 13 7 | 2 19 |
| W28 | 22 37 | 2 23 | 5 18 | 25 47 | 2 16 | 24 40 | 1 14 | 23 41 | 1 12 | 19 6 | 0 38 | 20 4 | 1 32 | 22 7 | 0 0 | 18 46 | 1 41 | 9 31 | 11 23 | 22 1 | 21 59 | 21 38 | 13 6 | 2 19 |
| T 29 | 22 44 | 2n38 | 5 8 | 25 47 | 2 16 | 24 38 | 1 16 | 23 35 | 1 12 | 19 7 | 0 38 | 20 5 | 1 32 | 22 7 | 0 0 | 18 46 | 1 41 | 9 31 | 11 23 | 22 1 | 21 58 | 21 39 | 13 5 | 2 19 |
| F 30 | 22s50 | 7n41 | 4n39 | 25s44 | 2s16 | 24s36 | 1s17 | 23s29 | 1s12 | 19n 8 | 0n38 | 20s 6 | 1n32 | 22s 8 | 0n 0 | 18n46 | 1s41 | 9n31 | 11s23 | 22s 1 | 21s58 | 21s39 | 13n 5 | 2s19 |

Julian Day Number = 2231616.5, Delta T = 07m56s
Ecliptic obliquity = 23°31'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'25, Lahiri = 15°27'26 Julian Calendar 1 Nov. 1397 == Greg. Calendar 9 Nov. 1397


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# ASTRODIENST EPHEMERIS for the year 1397
# geocentric

## DECEMBER 1397 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 12 25 | 17♐36'35 | 22♈45 | 4♑29 | 8♑31 | 18♑52 | 7°R13 | 7♐28 | 10♐51 | 0°R55 | 2°R15 | 9♐59 | 9♐35 | 5♐32 | 11°R17 | S 1 |
| S 2 | 5 16 22 | 18°37'41 | 7♉20 | 5°56 | 9°46 | 19°39 | 7♌ 9 | 7°35 | 10°54 | 0♊53 | 2♊14 | 10° 0 | 9°31 | 5°39 | 11♉15 | S 2 |
| M 3 | 5 20 18 | 19°38'48 | 22°14 | 7°23 | 11° 1 | 20°26 | 7° 6 | 7°42 | 10°58 | 0°52 | 2°13 | 10° 0 | 9°28 | 5°45 | 11°12 | M 3 |
| T 4 | 5 24 15 | 20°39'55 | 7♊22 | 8°47 | 12°16 | 21°13 | 7° 3 | 7°49 | 11° 1 | 0°50 | 2°12 | 10°R 1 | 9°25 | 5°52 | 11°10 | T 4 |
| W 5 | 5 28 11 | 21°41'03 | 22°34 | 10°10 | 13°31 | 22° 0 | 6°59 | 7°56 | 11° 5 | 0°49 | 2°11 | 10° 1 | 9°22 | 5°59 | 11° 8 | W 5 |
| T 6 | 5 32 8 | 22°42'11 | 7♋41 | 11°31 | 14°46 | 22°47 | 6°55 | 8° 3 | 11° 9 | 0°47 | 2°10 | 10° 0 | 9°19 | 6° 5 | 11° 6 | T 6 |
| F 7 | 5 36 5 | 23°43'19 | 22°34 | 12°50 | 16° 1 | 23°34 | 6°51 | 8°10 | 11°12 | 0°46 | 2° 9 | 9°58 | 9°16 | 6°12 | 11° 4 | F 7 |
| S 8 | 5 40 1 | 24°44'28 | 7♌ 5 | 14° 5 | 17°16 | 24°21 | 6°47 | 8°17 | 11°16 | 0°44 | 2° 8 | 9°56 | 9°12 | 6°19 | 11° 1 | S 8 |
| S 9 | 5 43 58 | 25°45'37 | 21° 9 | 15°17 | 18°30 | 25° 9 | 6°42 | 8°24 | 11°19 | 0°43 | 2° 7 | 9°54 | 9° 9 | 6°25 | 10°59 | S 9 |
| M10 | 5 47 54 | 26°46'47 | 4♍46 | 16°25 | 19°45 | 25°56 | 6°38 | 8°30 | 11°23 | 0°41 | 2° 6 | 9°53 | 9° 6 | 6°32 | 10°57 | M10 |
| T 11 | 5 51 51 | 27°47'57 | 17°55 | 17°28 | 21° 0 | 26°43 | 6°33 | 8°37 | 11°27 | 0°40 | 2° 5 | 9°51 | 9° 3 | 6°39 | 10°55 | T 11 |
| W12 | 5 55 47 | 28°49'08 | 0♎39 | 18°26 | 22°15 | 27°30 | 6°28 | 8°44 | 11°30 | 0°38 | 2° 4 | 9°D51 | 9° 0 | 6°45 | 10°54 | W12 |
| T 13 | 5 59 44 | 29°50'19 | 13° 3 | 19°18 | 23°30 | 28°17 | 6°23 | 8°51 | 11°34 | 0°37 | 2° 3 | 9°52 | 8°57 | 6°52 | 10°52 | T 13 |
| F 14 | 6 3 40 | 0♏51'30 | 25°10 | 20° 3 | 24°44 | 29° 4 | 6°18 | 8°57 | 11°37 | 0°35 | 2° 2 | 9°53 | 8°53 | 6°59 | 10°50 | F 14 |
| S 15 | 6 7 37 | 1°52'42 | 7♏ 6 | 20°40 | 25°59 | 29°52 | 6°12 | 9° 4 | 11°41 | 0°34 | 2° 1 | 9°55 | 8°50 | 7° 5 | 10°48 | S 15 |
| S 16 | 6 11 34 | 2°53'54 | 18°55 | 21° 8 | 27°14 | 0♒39 | 6° 7 | 9°11 | 11°44 | 0°32 | 2° 0 | 9°56 | 8°47 | 7°12 | 10°46 | S 16 |
| M17 | 6 15 30 | 3°55'06 | 0♐42 | 21°27 | 28°29 | 1°26 | 6° 1 | 9°18 | 11°48 | 0°31 | 1°59 | 9°58 | 8°44 | 7°19 | 10°45 | M17 |
| T 18 | 6 19 27 | 4°56'19 | 12°28 | 21°R35 | 29°43 | 2°13 | 5°55 | 9°24 | 11°51 | 0°30 | 1°58 | 9°R58 | 8°41 | 7°25 | 10°43 | T 18 |
| W19 | 6 23 23 | 5°57'31 | 24°19 | 21°32 | 0♒58 | 3° 1 | 5°49 | 9°31 | 11°55 | 0°28 | 1°57 | 9°57 | 8°37 | 7°32 | 10°42 | W19 |
| T 20 | 6 27 20 | 6°58'44 | 6♑15 | 21°17 | 2°13 | 3°48 | 5°43 | 9°37 | 11°58 | 0°27 | 1°56 | 9°55 | 8°34 | 7°38 | 10°40 | T 20 |
| F 21 | 6 31 16 | 7°59'56 | 18°19 | 20°50 | 3°27 | 4°35 | 5°37 | 9°44 | 12° 1 | 0°26 | 1°55 | 9°51 | 8°31 | 7°45 | 10°39 | F 21 |
| S 22 | 6 35 13 | 9° 1'08 | 0♒32 | 20°12 | 4°42 | 5°23 | 5°30 | 9°50 | 12° 5 | 0°25 | 1°54 | 9°46 | 8°28 | 7°52 | 10°38 | S 22 |
| S 23 | 6 39 10 | 10° 2'20 | 12°55 | 19°22 | 5°57 | 6°10 | 5°24 | 9°57 | 12° 8 | 0°23 | 1°53 | 9°41 | 8°25 | 7°58 | 10°36 | S 23 |
| M24 | 6 43 6 | 11° 3'31 | 25°31 | 18°23 | 7°11 | 6°57 | 5°17 | 10° 3 | 12°11 | 0°22 | 1°52 | 9°35 | 8°22 | 8° 5 | 10°35 | M24 |
| T 25 | 6 47 3 | 12° 4'41 | 8♓19 | 17°15 | 8°26 | 7°45 | 5°10 | 10°10 | 12°15 | 0°21 | 1°52 | 9°30 | 8°18 | 8°12 | 10°34 | T 25 |
| W26 | 6 50 59 | 13° 5'51 | 21°22 | 16° 1 | 9°40 | 8°32 | 5° 3 | 10°16 | 12°18 | 0°20 | 1°51 | 9°27 | 8°15 | 8°18 | 10°33 | W26 |
| T 27 | 6 54 56 | 14° 7'01 | 4♈41 | 14°44 | 10°55 | 9°19 | 4°56 | 10°22 | 12°21 | 0°19 | 1°50 | 9°25 | 8°12 | 8°25 | 10°32 | T 27 |
| F 28 | 6 58 52 | 15° 8'09 | 18°17 | 13°24 | 12° 9 | 10° 7 | 4°49 | 10°28 | 12°24 | 0°17 | 1°49 | 9°D24 | 8° 9 | 8°32 | 10°31 | F 28 |
| S 29 | 7 2 49 | 16° 9'17 | 2♉13 | 12° 6 | 13°24 | 10°54 | 4°42 | 10°35 | 12°28 | 0°16 | 1°48 | 9°25 | 8° 6 | 8°38 | 10°30 | S 29 |
| S 30 | 7 6 45 | 17°10'24 | 16°27 | 10°51 | 14°38 | 11°41 | 4°35 | 10°41 | 12°31 | 0°15 | 1°48 | 9°27 | 8° 2 | 8°45 | 10°30 | S 30 |
| M31 | 7 10 42 | 18♑11'31 | 0♊59 | 9♑42 | 15♒53 | 12♒29 | 4♌27 | 10♐47 | 12♐34 | 0♊14 | 1♊47 | 9♐28 | 7♐59 | 8♐52 | 10♉29 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s56 | 12n29 | 3n54 | 25s41 | 2s14 | 24s33 | 1s19 | 23s22 | 1s12 | 19n 9 | 0n39 | 20s 7 | 1n32 | 22s 8 | 0n 0 | 18n45 | 1s41 | 9n31 | 11s23 | 22s 1 | 21s57 | 21s39 | 13n 4 | 2s19 |
| S 2 | 23 2 | 16 42 | 2 52 | 25 35 | 2 13 | 24 30 | 1 21 | 23 16 | 1 12 | 19 10 | 0 39 | 20 8 | 1 32 | 22 9 | 0 0 | 18 45 | 1 41 | 9 31 | 11 22 | 22 1 | 21 57 | 21 40 | 13 3 | 2 19 |
| M 3 | 23 7 | 19 57 | 1 37 | 25 28 | 2 10 | 24 25 | 1 22 | 23 9 | 1 12 | 19 11 | 0 39 | 20 9 | 1 32 | 22 9 | 0 0 | 18 45 | 1 41 | 9 31 | 11 22 | 22 1 | 21 57 | 21 40 | 13 2 | 2 19 |
| T 4 | 23 11 | 21 51 | 0 15 | 25 20 | 2 7 | 24 20 | 1 24 | 23 1 | 1 12 | 19 12 | 0 39 | 20 10 | 1 32 | 22 10 | 0 0 | 18 44 | 1 41 | 9 31 | 11 22 | 22 1 | 21 56 | 21 40 | 13 2 | 2 19 |
| W 5 | 23 15 | 22 9 | 1s 9 | 25 10 | 2 3 | 24 14 | 1 25 | 22 54 | 1 12 | 19 13 | 0 39 | 20 12 | 1 32 | 22 10 | 0 0 | 18 44 | 1 41 | 9 31 | 11 22 | 22 1 | 21 56 | 21 40 | 13 1 | 2 19 |
| T 6 | 23 19 | 20 50 | 2 28 | 24 59 | 1 58 | 24 8 | 1 27 | 22 46 | 1 12 | 19 15 | 0 40 | 20 13 | 1 32 | 22 11 | 0 0 | 18 44 | 1 41 | 9 31 | 11 22 | 22 1 | 21 55 | 21 41 | 13 0 | 2 19 |
| F 7 | 23 22 | 18 5 | 3 35 | 24 46 | 1 53 | 24 0 | 1 28 | 22 38 | 1 12 | 19 16 | 0 40 | 20 14 | 1 32 | 22 11 | 0 0 | 18 43 | 1 41 | 9 30 | 11 22 | 22 1 | 21 55 | 21 41 | 13 0 | 2 19 |
| S 8 | 23 25 | 14 16 | 4 26 | 24 32 | 1 47 | 23 52 | 1 29 | 22 29 | 1 12 | 19 17 | 0 40 | 20 15 | 1 32 | 22 12 | 0 0 | 18 43 | 1 41 | 9 30 | 11 22 | 22 1 | 21 54 | 21 41 | 12 59 | 2 19 |
| S 9 | 23 27 | 9 45 | 5 0 | 24 17 | 1 39 | 23 43 | 1 30 | 22 21 | 1 11 | 19 18 | 0 40 | 20 16 | 1 32 | 22 12 | 0 0 | 18 43 | 1 41 | 9 30 | 11 22 | 22 0 | 21 54 | 21 42 | 12 58 | 2 19 |
| M10 | 23 29 | 4 54 | 5 16 | 24 0 | 1 31 | 23 34 | 1 32 | 22 12 | 1 11 | 19 20 | 0 40 | 20 17 | 1 32 | 22 13 | 0 0 | 18 43 | 1 41 | 9 30 | 11 21 | 22 0 | 21 53 | 21 42 | 12 58 | 2 19 |
| T 11 | 23 30 | 0s 1 | 5 14 | 23 43 | 1 22 | 23 24 | 1 33 | 22 3 | 1 11 | 19 21 | 0 41 | 20 18 | 1 32 | 22 13 | 0 0 | 18 42 | 1 41 | 9 30 | 11 21 | 22 0 | 21 53 | 21 42 | 12 57 | 2 19 |
| W12 | 23 31 | 4 47 | 4 56 | 23 25 | 1 11 | 23 13 | 1 34 | 21 53 | 1 11 | 19 23 | 0 41 | 20 19 | 1 32 | 22 14 | 0 0 | 18 42 | 1 41 | 9 30 | 11 21 | 22 0 | 21 52 | 21 42 | 12 57 | 2 19 |
| T 13 | 23 31 | 9 14 | 4 25 | 23 6 | 0 59 | 23 1 | 1 35 | 21 44 | 1 11 | 19 24 | 0 41 | 20 20 | 1 32 | 22 14 | 0 0 | 18 42 | 1 41 | 9 30 | 11 21 | 22 0 | 21 52 | 21 43 | 12 56 | 2 19 |
| F 14 | 23 31 | 13 14 | 3 43 | 22 47 | 0 47 | 22 49 | 1 36 | 21 34 | 1 11 | 19 26 | 0 41 | 20 21 | 1 32 | 22 15 | 0 0 | 18 42 | 1 41 | 9 30 | 11 21 | 22 0 | 21 51 | 21 43 | 12 56 | 2 19 |
| S 15 | 23 30 | 16 38 | 2 52 | 22 28 | 0 33 | 22 36 | 1 36 | 21 24 | 1 11 | 19 27 | 0 42 | 20 22 | 1 32 | 22 15 | 0 0 | 18 41 | 1 41 | 9 30 | 11 21 | 22 0 | 21 51 | 21 43 | 12 55 | 2 19 |
| S 16 | 23 29 | 19 20 | 1 54 | 22 8 | 0 18 | 22 22 | 1 37 | 21 13 | 1 10 | 19 29 | 0 42 | 20 23 | 1 32 | 22 16 | 0 0 | 18 41 | 1 41 | 9 30 | 11 21 | 22 1 | 21 50 | 21 43 | 12 55 | 2 19 |
| M17 | 23 27 | 21 12 | 0 51 | 21 50 | 0 1 | 22 8 | 1 38 | 21 3 | 1 10 | 19 30 | 0 42 | 20 24 | 1 32 | 22 16 | 0 0 | 18 41 | 1 41 | 9 30 | 11 20 | 22 1 | 21 50 | 21 44 | 12 54 | 2 19 |
| T 18 | 23 25 | 22 8 | 0n14 | 21 31 | 0n16 | 21 53 | 1 38 | 20 52 | 1 10 | 19 32 | 0 42 | 20 25 | 1 32 | 22 17 | 0 0 | 18 41 | 1 41 | 9 30 | 11 20 | 22 1 | 21 49 | 21 44 | 12 54 | 2 19 |
| W19 | 23 23 | 22 5 | 1 18 | 21 14 | 0 34 | 21 37 | 1 39 | 20 41 | 1 10 | 19 34 | 0 42 | 20 26 | 1 32 | 22 17 | 0 0 | 18 40 | 1 41 | 9 30 | 11 20 | 22 1 | 21 49 | 21 44 | 12 53 | 2 19 |
| T 20 | 23 20 | 21 3 | 2 20 | 20 58 | 0 53 | 21 21 | 1 39 | 20 30 | 1 10 | 19 35 | 0 43 | 20 27 | 1 32 | 22 18 | 0 0 | 18 40 | 1 41 | 9 30 | 11 20 | 22 0 | 21 48 | 21 44 | 12 53 | 2 19 |
| F 21 | 23 16 | 19 2 | 3 15 | 20 43 | 1 12 | 21 4 | 1 40 | 20 18 | 1 9 | 19 37 | 0 43 | 20 28 | 1 32 | 22 18 | 0 0 | 18 40 | 1 41 | 9 30 | 11 20 | 22 0 | 21 48 | 21 44 | 12 52 | 2 19 |
| S 22 | 23 13 | 16 9 | 4 3 | 20 29 | 1 31 | 20 46 | 1 40 | 20 6 | 1 9 | 19 39 | 0 43 | 20 29 | 1 32 | 22 19 | 0 0 | 18 40 | 1 41 | 9 30 | 11 19 | 21 59 | 21 47 | 21 45 | 12 52 | 2 18 |
| S 23 | 23 8 | 12 31 | 4 39 | 20 18 | 1 50 | 20 28 | 1 41 | 19 54 | 1 9 | 19 41 | 0 43 | 20 30 | 1 32 | 22 19 | 0 0 | 18 39 | 1 41 | 9 30 | 11 19 | 21 58 | 21 47 | 21 45 | 12 52 | 2 18 |
| M24 | 23 3 | 8 18 | 5 3 | 20 8 | 2 9 | 20 9 | 1 41 | 19 42 | 1 9 | 19 42 | 0 43 | 20 31 | 1 32 | 22 19 | 0 0 | 18 39 | 1 41 | 9 30 | 11 19 | 21 58 | 21 46 | 21 45 | 12 51 | 2 18 |
| T 25 | 22 58 | 3 39 | 5 12 | 19 59 | 2 26 | 19 50 | 1 41 | 19 30 | 1 9 | 19 44 | 0 43 | 20 32 | 1 32 | 22 20 | 0 0 | 18 39 | 1 41 | 9 30 | 11 19 | 21 57 | 21 46 | 21 45 | 12 51 | 2 18 |
| W26 | 22 52 | 1n15 | 5 6 | 19 53 | 2 41 | 19 30 | 1 41 | 19 17 | 1 8 | 19 46 | 0 44 | 20 33 | 1 32 | 22 20 | 0 0 | 18 39 | 1 41 | 9 30 | 11 19 | 21 56 | 21 45 | 21 45 | 12 51 | 2 18 |
| T 27 | 22 46 | 6 11 | 4 43 | 19 48 | 2 55 | 19 10 | 1 41 | 19 4 | 1 8 | 19 48 | 0 44 | 20 34 | 1 32 | 22 21 | 0 0 | 18 39 | 1 40 | 9 30 | 11 19 | 21 56 | 21 45 | 21 46 | 12 50 | 2 18 |
| F 28 | 22 39 | 10 56 | 4 4 | 19 45 | 3 7 | 18 49 | 1 41 | 18 51 | 1 8 | 19 50 | 0 44 | 20 35 | 1 32 | 22 21 | 0 0 | 18 38 | 1 40 | 9 30 | 11 18 | 21 56 | 21 44 | 21 46 | 12 50 | 2 18 |
| S 29 | 22 32 | 15 14 | 3 9 | 19 43 | 3 16 | 18 28 | 1 41 | 18 38 | 1 8 | 19 52 | 0 44 | 20 35 | 1 32 | 22 22 | 0 0 | 18 38 | 1 40 | 9 30 | 11 18 | 21 56 | 21 44 | 21 46 | 12 50 | 2 18 |
| S 30 | 22 25 | 18 46 | 2 2 | 19 43 | 3 22 | 18 6 | 1 40 | 18 25 | 1 7 | 19 54 | 0 44 | 20 36 | 1 32 | 22 22 | 0 0 | 18 38 | 1 40 | 9 30 | 11 18 | 21 56 | 21 43 | 21 46 | 12 50 | 2 18 |
| M31 | 22s17 | 21n10 | 0n46 | 19s44 | 3n26 | 17s43 | 1s40 | 18s11 | 1s 7 | 19n56 | 0n45 | 20s37 | 1n32 | 22s22 | 0n 0 | 18n38 | 1s40 | 9n31 | 11s18 | 21s56 | 21s43 | 21s46 | 12n50 | 2s18 |

Julian Day Number = 2231646.5, Delta T = 07m56s
Ecliptic obliquity = 23°30'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'29, Lahiri = 15°27'30 Julian Calendar 1 Dec. 1397 == Greg. Calendar 9 Dec. 1397


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## JANUARY 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 14 39 | 19♉12'36 | 15♊45 | 8°R39 | 17♒ 7 | 13♒16 | 4°R20 | 10♐53 | 12♐37 | 0°R13 | 1°R46 | 9°R28 | 7♐56 | 8♐58 | 10°R28 | T 1 |
| W 2 | 7 18 35 | 20°13'41 | 0♋40 | 7♉45 | 18°21 | 14° 4 | 4♌12 | 10°59 | 12°40 | 0♊12 | 1♊45 | 9♐26 | 7°53 | 9° 5 | 10♑28 | W 2 |
| T 3 | 7 22 32 | 21°14'45 | 15°35 | 6°59 | 19°35 | 14°51 | 4° 5 | 11° 5 | 12°43 | 0°11 | 1°45 | 9°23 | 7°50 | 9°11 | 10°27 | T 3 |
| F 4 | 7 26 28 | 22°15'48 | 0♌23 | 6°23 | 20°50 | 15°38 | 3°57 | 11°11 | 12°46 | 0°10 | 1°44 | 9°17 | 7°47 | 9°18 | 10°27 | F 4 |
| S 5 | 7 30 25 | 23°16'50 | 14°55 | 5°56 | 22° 4 | 16°26 | 3°49 | 11°17 | 12°49 | 0°10 | 1°43 | 9°10 | 7°43 | 9°25 | 10°26 | S 5 |
| S 6 | 7 34 21 | 24°17'52 | 29° 5 | 5°38 | 23°18 | 17°13 | 3°42 | 11°22 | 12°52 | 0° 9 | 1°43 | 9° 2 | 7°40 | 9°31 | 10°26 | S 6 |
| M 7 | 7 38 18 | 25°18'53 | 12♍49 | 5°29 | 24°32 | 18° 0 | 3°34 | 11°28 | 12°55 | 0° 8 | 1°42 | 8°55 | 7°37 | 9°38 | 10°26 | M 7 |
| T 8 | 7 42 14 | 26°19'54 | 26° 5 | 5°D29 | 25°46 | 18°48 | 3°26 | 11°34 | 12°58 | 0° 7 | 1°41 | 8°49 | 7°34 | 9°45 | 10°25 | T 8 |
| W 9 | 7 46 11 | 27°20'54 | 8♎55 | 5°36 | 27° 0 | 19°35 | 3°18 | 11°39 | 13° 1 | 0° 6 | 1°41 | 8°45 | 7°31 | 9°51 | 10°25 | W 9 |
| T 10 | 7 50 8 | 28°21'53 | 21°23 | 5°50 | 28°14 | 20°22 | 3°10 | 11°45 | 13° 4 | 0° 6 | 1°40 | 8°43 | 7°28 | 9°58 | 10°D25 | T 10 |
| F 11 | 7 54 4 | 29°22'51 | 3♏32 | 6°11 | 29°28 | 21°10 | 3° 2 | 11°51 | 13° 7 | 0° 5 | 1°40 | 8°D43 | 7°24 | 10° 5 | 10°25 | F 11 |
| S 12 | 7 58 1 | 0♒23'49 | 15°28 | 6°38 | 0♓42 | 21°57 | 2°54 | 11°56 | 13°10 | 0° 4 | 1°39 | 8°44 | 7°21 | 10°11 | 10°25 | S 12 |
| S 13 | 8 1 57 | 1°24'46 | 27°17 | 7°11 | 1°56 | 22°44 | 2°46 | 12° 1 | 13°12 | 0° 4 | 1°39 | 8°45 | 7°18 | 10°18 | 10°25 | S 13 |
| M14 | 8 5 54 | 2°25'43 | 9♐ 3 | 7°48 | 3°10 | 23°32 | 2°38 | 12° 7 | 13°15 | 0° 3 | 1°38 | 8°R46 | 7°15 | 10°25 | 10°26 | M14 |
| T 15 | 8 9 50 | 3°26'38 | 20°51 | 8°31 | 4°24 | 24°19 | 2°30 | 12°12 | 13°18 | 0° 2 | 1°38 | 8°45 | 7°12 | 10°31 | 10°26 | T 15 |
| W16 | 8 13 47 | 4°27'33 | 2♑46 | 9°17 | 5°38 | 25° 6 | 2°22 | 12°17 | 13°20 | 0° 2 | 1°37 | 8°42 | 7° 8 | 10°38 | 10°26 | W16 |
| T 17 | 8 17 43 | 5°28'27 | 14°50 | 10° 7 | 6°51 | 25°54 | 2°14 | 12°22 | 13°23 | 0° 1 | 1°37 | 8°36 | 7° 5 | 10°45 | 10°27 | T 17 |
| F 18 | 8 21 40 | 6°29'19 | 27° 6 | 11° 1 | 8° 5 | 26°41 | 2° 6 | 12°28 | 13°25 | 0° 1 | 1°36 | 8°28 | 7° 2 | 10°51 | 10°27 | F 18 |
| S 19 | 8 25 37 | 7°30'11 | 9♒35 | 11°58 | 9°19 | 27°28 | 1°58 | 12°33 | 13°28 | 0° 0 | 1°36 | 8°18 | 6°59 | 10°58 | 10°28 | S 19 |
| S 20 | 8 29 33 | 8°31'01 | 22°17 | 12°58 | 10°32 | 28°15 | 1°50 | 12°37 | 13°30 | 29♑59 | 1°36 | 8° 6 | 6°56 | 11° 4 | 10°28 | S 20 |
| M21 | 8 33 30 | 9°31'49 | 5♓13 | 14° 1 | 11°46 | 29° 3 | 1°42 | 12°42 | 13°33 | 29°59 | 1°35 | 7°55 | 6°53 | 11°11 | 10°29 | M21 |
| T 22 | 8 37 26 | 10°32'37 | 18°21 | 15° 6 | 12°59 | 29°50 | 1°35 | 12°47 | 13°35 | 29°59 | 1°35 | 7°44 | 6°49 | 11°18 | 10°30 | T 22 |
| W23 | 8 41 23 | 11°33'22 | 1♈40 | 16°13 | 14°13 | 0♓37 | 1°27 | 12°52 | 13°38 | 29°59 | 1°35 | 7°36 | 6°46 | 11°24 | 10°31 | W23 |
| T 24 | 8 45 19 | 12°34'07 | 15°10 | 17°22 | 15°26 | 1°24 | 1°19 | 12°57 | 13°40 | 29°59 | 1°34 | 7°30 | 6°43 | 11°31 | 10°32 | T 24 |
| F 25 | 8 49 16 | 13°34'49 | 28°50 | 18°33 | 16°39 | 2°11 | 1°11 | 13° 1 | 13°42 | 29°58 | 1°34 | 7°27 | 6°40 | 11°38 | 10°32 | F 25 |
| S 26 | 8 53 12 | 14°35'30 | 12♉42 | 19°46 | 17°53 | 2°58 | 1° 4 | 13° 6 | 13°45 | 29°58 | 1°34 | 7°D26 | 6°37 | 11°44 | 10°33 | S 26 |
| S 27 | 8 57 9 | 15°36'09 | 26°44 | 21° 1 | 19° 6 | 3°46 | 0°56 | 13°10 | 13°47 | 29°58 | 1°34 | 7°26 | 6°34 | 11°51 | 10°35 | S 27 |
| M28 | 9 1 6 | 16°36'47 | 10♊56 | 22°17 | 20°19 | 4°33 | 0°49 | 13°15 | 13°49 | 29°58 | 1°33 | 7°R27 | 6°30 | 11°58 | 10°36 | M28 |
| T 29 | 9 5 2 | 17°37'22 | 25°18 | 23°35 | 21°32 | 5°20 | 0°41 | 13°19 | 13°51 | 29°58 | 1°33 | 7°25 | 6°27 | 12° 4 | 10°37 | T 29 |
| W30 | 9 8 59 | 18°37'56 | 9♋46 | 24°55 | 22°45 | 6° 7 | 0°34 | 13°23 | 13°53 | 29°58 | 1°33 | 7°22 | 6°24 | 12°11 | 10°38 | W30 |
| T 31 | 9 12 55 | 19♒38'28 | 24♋16 | 26♑15 | 23♓58 | 6♓54 | 0♌27 | 13♐27 | 13♐55 | 29♑58 | 1♊33 | 7♐15 | 6♐21 | 12♐18 | 10♑40 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s 8 | 22n11 | 0s34 | 19s47 | 3n28 | 17s20 | 1s40 | 17s57 | 1s 7 | 19n58 | 0n45 | 20s38 | 1n32 | 22s23 | 0n 0 | 18n38 | 1s40 | 9n31 | 11s17 | 21s57 | 21s42 | 21s46 | 12n49 | 2s18 |
| W 2 | 21 59 | 21 38 | 1 53 | 19 51 | 3 27 | 16 57 | 1 39 | 17 43 | 1 7 | 20 0 | 0 45 | 20 39 | 1 32 | 22 23 | 0 0 | 18 38 | 1 40 | 9 31 | 11 17 | 21 56 | 21 42 | 21 47 | 12 49 | 2 18 |
| T 3 | 21 50 | 19 34 | 3 3 | 19 56 | 3 24 | 16 33 | 1 39 | 17 29 | 1 6 | 20 2 | 0 45 | 20 39 | 1 32 | 22 24 | 0 0 | 18 37 | 1 40 | 9 31 | 11 17 | 21 56 | 21 41 | 21 47 | 12 49 | 2 18 |
| F 4 | 21 40 | 16 12 | 4 1 | 20 2 | 3 20 | 16 9 | 1 38 | 17 15 | 1 6 | 20 4 | 0 45 | 20 40 | 1 32 | 22 24 | 0 0 | 18 37 | 1 40 | 9 31 | 11 17 | 21 55 | 21 41 | 21 47 | 12 49 | 2 18 |
| S 5 | 21 30 | 11 55 | 4 42 | 20 9 | 3 14 | 15 44 | 1 37 | 17 0 | 1 6 | 20 6 | 0 45 | 20 41 | 1 32 | 22 24 | 0 0 | 18 37 | 1 40 | 9 31 | 11 17 | 21 54 | 21 40 | 21 47 | 12 49 | 2 18 |
| S 6 | 21 20 | 7 4 | 5 4 | 20 17 | 3 7 | 15 19 | 1 36 | 16 46 | 1 5 | 20 8 | 0 45 | 20 42 | 1 32 | 22 25 | 0 0 | 18 37 | 1 40 | 9 31 | 11 16 | 21 53 | 21 40 | 21 47 | 12 49 | 2 18 |
| M 7 | 21 9 | 2 2 | 5 8 | 20 25 | 2 59 | 14 53 | 1 36 | 16 31 | 1 5 | 20 10 | 0 46 | 20 43 | 1 32 | 22 25 | 0 0 | 18 37 | 1 40 | 9 31 | 11 16 | 21 51 | 21 39 | 21 47 | 12 49 | 2 18 |
| T 8 | 20 57 | 2s57 | 4 55 | 20 34 | 2 50 | 14 27 | 1 35 | 16 16 | 1 5 | 20 12 | 0 46 | 20 43 | 1 32 | 22 26 | 0 0 | 18 37 | 1 40 | 9 31 | 11 16 | 21 51 | 21 39 | 21 47 | 12 49 | 2 18 |
| W 9 | 20 45 | 7 38 | 4 27 | 20 43 | 2 41 | 14 1 | 1 34 | 16 1 | 1 4 | 20 13 | 0 46 | 20 44 | 1 32 | 22 26 | 0 0 | 18 37 | 1 40 | 9 31 | 11 16 | 21 50 | 21 38 | 21 47 | 12 49 | 2 18 |
| T 10 | 20 33 | 11 53 | 3 48 | 20 52 | 2 31 | 13 34 | 1 32 | 15 45 | 1 4 | 20 15 | 0 46 | 20 45 | 1 32 | 22 26 | 0 0 | 18 37 | 1 40 | 9 32 | 11 15 | 21 50 | 21 38 | 21 48 | 12 49 | 2 18 |
| F 11 | 20 21 | 15 32 | 2 59 | 21 2 | 2 21 | 13 7 | 1 31 | 15 30 | 1 4 | 20 17 | 0 46 | 20 45 | 1 32 | 22 27 | 0 0 | 18 37 | 1 40 | 9 32 | 11 15 | 21 50 | 21 37 | 21 48 | 12 49 | 2 18 |
| S 12 | 20 8 | 18 29 | 2 2 | 21 11 | 2 10 | 12 40 | 1 30 | 15 14 | 1 3 | 20 19 | 0 46 | 20 46 | 1 32 | 22 27 | 0 0 | 18 36 | 1 40 | 9 32 | 11 15 | 21 50 | 21 36 | 21 48 | 12 49 | 2 17 |
| S 13 | 19 55 | 20 37 | 1 2 | 21 20 | 2 0 | 12 12 | 1 29 | 14 58 | 1 3 | 20 21 | 0 46 | 20 47 | 1 32 | 22 27 | 0 0 | 18 36 | 1 40 | 9 32 | 11 15 | 21 50 | 21 36 | 21 48 | 12 49 | 2 17 |
| M14 | 19 41 | 21 51 | 0n 2 | 21 28 | 1 49 | 11 44 | 1 27 | 14 42 | 1 3 | 20 23 | 0 47 | 20 47 | 1 32 | 22 28 | 0s 0 | 18 36 | 1 40 | 9 32 | 11 14 | 21 50 | 21 35 | 21 48 | 12 49 | 2 17 |
| T 15 | 19 27 | 22 8 | 1 5 | 21 37 | 1 38 | 11 15 | 1 26 | 14 26 | 1 2 | 20 25 | 0 47 | 20 48 | 1 33 | 22 28 | 0 0 | 18 36 | 1 39 | 9 32 | 11 14 | 21 50 | 21 35 | 21 48 | 12 49 | 2 17 |
| W16 | 19 12 | 21 24 | 2 5 | 21 44 | 1 27 | 10 47 | 1 24 | 14 10 | 1 2 | 20 27 | 0 47 | 20 49 | 1 33 | 22 28 | 0 0 | 18 36 | 1 39 | 9 32 | 11 14 | 21 49 | 21 34 | 21 48 | 12 50 | 2 17 |
| T 17 | 18 58 | 19 41 | 3 1 | 21 51 | 1 17 | 10 18 | 1 23 | 13 54 | 1 1 | 20 29 | 0 47 | 20 49 | 1 33 | 22 29 | 0 0 | 18 36 | 1 39 | 9 33 | 11 14 | 21 48 | 21 34 | 21 48 | 12 50 | 2 17 |
| F 18 | 18 43 | 17 4 | 3 49 | 21 57 | 1 6 | 9 49 | 1 21 | 13 37 | 1 1 | 20 31 | 0 47 | 20 50 | 1 33 | 22 29 | 0 0 | 18 36 | 1 39 | 9 33 | 11 13 | 21 47 | 21 33 | 21 48 | 12 50 | 2 17 |
| S 19 | 18 27 | 13 37 | 4 27 | 22 3 | 0 56 | 9 19 | 1 19 | 13 20 | 1 1 | 20 33 | 0 47 | 20 50 | 1 33 | 22 29 | 0 0 | 18 36 | 1 39 | 9 33 | 11 13 | 21 46 | 21 33 | 21 48 | 12 50 | 2 17 |
| S 20 | 18 11 | 9 31 | 4 52 | 22 7 | 0 46 | 8 50 | 1 17 | 13 4 | 1 0 | 20 35 | 0 47 | 20 51 | 1 33 | 22 30 | 0 0 | 18 36 | 1 39 | 9 33 | 11 13 | 21 44 | 21 32 | 21 48 | 12 50 | 2 17 |
| M21 | 17 55 | 4 55 | 5 3 | 22 11 | 0 36 | 8 20 | 1 15 | 12 47 | 1 0 | 20 37 | 0 47 | 20 51 | 1 33 | 22 30 | 0 0 | 18 36 | 1 39 | 9 33 | 11 13 | 21 42 | 21 32 | 21 48 | 12 51 | 2 17 |
| T 22 | 17 39 | 0 3 | 4 59 | 22 14 | 0 26 | 7 50 | 1 13 | 12 30 | 0 59 | 20 39 | 0 47 | 20 52 | 1 33 | 22 30 | 0 0 | 18 36 | 1 39 | 9 34 | 11 12 | 21 40 | 21 31 | 21 48 | 12 51 | 2 17 |
| W23 | 17 22 | 4n54 | 4 38 | 22 15 | 0 16 | 7 20 | 1 11 | 12 13 | 0 59 | 20 40 | 0 47 | 20 53 | 1 33 | 22 31 | 0 0 | 18 36 | 1 39 | 9 34 | 11 12 | 21 39 | 21 31 | 21 49 | 12 51 | 2 17 |
| T 24 | 17 5 | 9 42 | 4 1 | 22 16 | 0 7 | 6 49 | 1 9 | 11 55 | 0 59 | 20 42 | 0 48 | 20 53 | 1 33 | 22 31 | 0 0 | 18 36 | 1 39 | 9 34 | 11 12 | 21 38 | 21 30 | 21 49 | 12 52 | 2 17 |
| F 25 | 16 48 | 14 4 | 3 10 | 22 16 | 0s 2 | 6 18 | 1 7 | 11 38 | 0 58 | 20 44 | 0 48 | 20 54 | 1 33 | 22 31 | 0 0 | 18 36 | 1 39 | 9 34 | 11 12 | 21 37 | 21 30 | 21 49 | 12 52 | 2 17 |
| S 26 | 16 30 | 17 44 | 2 8 | 22 14 | 0 11 | 5 48 | 1 4 | 11 21 | 0 58 | 20 46 | 0 48 | 20 54 | 1 33 | 22 31 | 0 0 | 18 36 | 1 39 | 9 34 | 11 11 | 21 37 | 21 29 | 21 49 | 12 52 | 2 17 |
| S 27 | 16 13 | 20 24 | 0 57 | 22 11 | 0 19 | 5 17 | 1 2 | 11 3 | 0 57 | 20 48 | 0 48 | 20 55 | 1 33 | 22 32 | 0 0 | 18 36 | 1 39 | 9 35 | 11 11 | 21 37 | 21 28 | 21 49 | 12 53 | 2 17 |
| M28 | 15 54 | 21 51 | 0s19 | 22 7 | 0 28 | 4 46 | 1 0 | 10 46 | 0 57 | 20 49 | 0 48 | 20 55 | 1 33 | 22 32 | 0 0 | 18 36 | 1 39 | 9 35 | 11 11 | 21 37 | 21 28 | 21 49 | 12 53 | 2 17 |
| T 29 | 15 36 | 21 53 | 1 33 | 22 2 | 0 36 | 4 15 | 0 57 | 10 28 | 0 57 | 20 51 | 0 48 | 20 55 | 1 33 | 22 32 | 0 0 | 18 36 | 1 39 | 9 35 | 11 10 | 21 37 | 21 27 | 21 49 | 12 54 | 2 17 |
| W30 | 15 17 | 20 27 | 2 43 | 21 56 | 0 43 | 3 43 | 0 55 | 10 10 | 0 56 | 20 53 | 0 48 | 20 56 | 1 34 | 22 33 | 0 0 | 18 36 | 1 39 | 9 35 | 11 10 | 21 37 | 21 27 | 21 49 | 12 54 | 2 16 |
| T 31 | 14s58 | 17n42 | 3s42 | 21s48 | 0s51 | 3s12 | 0s52 | 9s52 | 0s56 | 20n54 | 0n48 | 20s56 | 1n34 | 22s33 | 0s 0 | 18n36 | 1s39 | 9n36 | 11s10 | 21s36 | 21s26 | 21s49 | 12n55 | 2s16 |

Julian Day Number = 2231677.5, Delta T = 07m56s
Ecliptic obliquity = 23°30'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'34, Lahiri = 15°27'34 Julian Calendar 1 Jan. 1398 == Greg. Calendar 9 Jan. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## FEBRUARY 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 16 52 | 20♒38'59 | 8♌42 | 27♉37 | 25♓11 | 7♓41 | 0°R20 | 13♐31 | 13♐57 | 29°D58 | 1°R33 | 7°R 6 | 6♐18 | 12♐24 | 10♉41 | F 1 |
| S 2 | 9 20 48 | 21°39'27 | 22°58 | 29° 0 | 26°23 | 8°28 | 0♌13 | 13°35 | 13°59 | 29♉58 | 1♊33 | 6♐55 | 6°14 | 12°31 | 10°42 | S 2 |
| S 3 | 9 24 45 | 22°39'54 | 6♍58 | 0♒25 | 27°36 | 9°15 | 0° 6 | 13°39 | 14° 1 | 29°58 | 1°33 | 6°43 | 6°11 | 12°37 | 10°44 | S 3 |
| M 4 | 9 28 41 | 23°40'20 | 20°37 | 1°50 | 28°49 | 10° 2 | 29♋59 | 13°43 | 14° 3 | 29°58 | 1°33 | 6°31 | 6° 8 | 12°44 | 10°46 | M 4 |
| T 5 | 9 32 38 | 24°40'44 | 3♎52 | 3°17 | 0♈ 1 | 10°48 | 29°52 | 13°47 | 14° 4 | 29°58 | 1°33 | 6°21 | 6° 5 | 12°51 | 10°47 | T 5 |
| W 6 | 9 36 35 | 25°41'06 | 16°44 | 4°45 | 1°14 | 11°35 | 29°46 | 13°50 | 14° 6 | 29°58 | 1°D33 | 6°13 | 6° 2 | 12°57 | 10°49 | W 6 |
| T 7 | 9 40 31 | 26°41'27 | 29°14 | 6°14 | 2°26 | 12°22 | 29°39 | 13°54 | 14° 8 | 29°58 | 1°33 | 6° 7 | 5°59 | 13° 4 | 10°51 | T 7 |
| F 8 | 9 44 28 | 27°41'46 | 11♏26 | 7°44 | 3°38 | 13° 9 | 29°33 | 13°57 | 14° 9 | 29°59 | 1°33 | 6° 5 | 5°55 | 13°11 | 10°53 | F 8 |
| S 9 | 9 48 24 | 28°42'04 | 23°24 | 9°15 | 4°50 | 13°56 | 29°27 | 14° 1 | 14°11 | 29°59 | 1°33 | 6° 4 | 5°52 | 13°17 | 10°54 | S 9 |
| S 10 | 9 52 21 | 29°42'21 | 5♐14 | 10°47 | 6° 3 | 14°42 | 29°21 | 14° 4 | 14°13 | 29°59 | 1°33 | 6° 4 | 5°49 | 13°24 | 10°56 | S 10 |
| M11 | 9 56 17 | 0♓42'36 | 17° 1 | 12°20 | 7°15 | 15°29 | 29°15 | 14° 7 | 14°14 | 29°59 | 1°33 | 6° 3 | 5°46 | 13°31 | 10°58 | M11 |
| T 12 | 10 0 14 | 1°42'49 | 28°51 | 13°54 | 8°27 | 16°16 | 29° 9 | 14°10 | 14°16 | 29°59 | 1°33 | 6° 2 | 5°43 | 13°37 | 11° 1 | T 12 |
| W13 | 10 4 10 | 2°43'01 | 10♉49 | 15°29 | 9°38 | 17° 3 | 29° 3 | 14°14 | 14°17 | 0♊ 0 | 1°33 | 5°58 | 5°40 | 13°44 | 11° 3 | W13 |
| T 14 | 10 8 7 | 3°43'11 | 23° 0 | 17° 6 | 10°50 | 17°49 | 28°58 | 14°16 | 14°18 | 0° 1 | 1°33 | 5°51 | 5°36 | 13°51 | 11° 5 | T 14 |
| F 15 | 10 12 4 | 4°43'20 | 5♒25 | 18°43 | 12° 2 | 18°36 | 28°52 | 14°19 | 14°20 | 0° 1 | 1°34 | 5°42 | 5°33 | 13°57 | 11° 7 | F 15 |
| S 16 | 10 16 0 | 5°43'27 | 18° 9 | 20°22 | 13°14 | 19°22 | 28°47 | 14°22 | 14°21 | 0° 2 | 1°34 | 5°30 | 5°30 | 14° 4 | 11° 9 | S 16 |
| S 17 | 10 19 57 | 6°43'31 | 1♓10 | 22° 1 | 14°25 | 20° 9 | 28°42 | 14°25 | 14°22 | 0° 2 | 1°34 | 5°16 | 5°27 | 14°11 | 11°12 | S 17 |
| M18 | 10 23 53 | 7°43'34 | 14°27 | 23°42 | 15°36 | 20°55 | 28°37 | 14°27 | 14°23 | 0° 3 | 1°34 | 5° 3 | 5°24 | 14°17 | 11°14 | M18 |
| T 19 | 10 27 50 | 8°43'35 | 28° 0 | 25°24 | 16°48 | 21°42 | 28°33 | 14°30 | 14°24 | 0° 3 | 1°34 | 4°51 | 5°20 | 14°24 | 11°17 | T 19 |
| W20 | 10 31 46 | 9°43'34 | 11♈43 | 27° 7 | 17°59 | 22°28 | 28°28 | 14°32 | 14°25 | 0° 4 | 1°35 | 4°41 | 5°17 | 14°30 | 11°19 | W20 |
| T 21 | 10 35 43 | 10°43'31 | 25°36 | 28°51 | 19°10 | 23°15 | 28°24 | 14°35 | 14°26 | 0° 5 | 1°35 | 4°33 | 5°14 | 14°37 | 11°22 | T 21 |
| F 22 | 10 39 39 | 11°43'26 | 9♉34 | 0♓36 | 20°21 | 24° 1 | 28°20 | 14°37 | 14°27 | 0° 5 | 1°35 | 4°29 | 5°11 | 14°44 | 11°24 | F 22 |
| S 23 | 10 43 36 | 12°43'19 | 23°35 | 2°22 | 21°32 | 24°47 | 28°16 | 14°39 | 14°28 | 0° 6 | 1°36 | 4°27 | 5° 8 | 14°50 | 11°27 | S 23 |
| S 24 | 10 47 32 | 13°43'09 | 7♊39 | 4°10 | 22°43 | 25°34 | 28°12 | 14°41 | 14°29 | 0° 7 | 1°36 | 4°27 | 5° 5 | 14°57 | 11°30 | S 24 |
| M25 | 10 51 29 | 14°42'57 | 21°45 | 5°58 | 23°54 | 26°20 | 28° 8 | 14°43 | 14°30 | 0° 8 | 1°37 | 4°27 | 5° 1 | 15° 4 | 11°33 | M25 |
| T 26 | 10 55 26 | 15°42'43 | 5♋51 | 7°48 | 25° 4 | 27° 6 | 28° 5 | 14°45 | 14°30 | 0° 9 | 1°37 | 4°26 | 4°58 | 15°10 | 11°35 | T 26 |
| W27 | 10 59 22 | 16°42'26 | 19°58 | 9°39 | 26°15 | 27°52 | 28° 1 | 14°47 | 14°31 | 0°10 | 1°38 | 4°22 | 4°55 | 15°17 | 11°38 | W27 |
| T 28 | 11 3 19 | 17♓42'07 | 4♌ 1 | 11♓31 | 27♈25 | 28♓38 | 27♋58 | 14♐48 | 14♐32 | 0♊10 | 1♊38 | 4♐16 | 4♐52 | 15♐24 | 11♉41 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14s39 | 13n52 | 4s26 | 21s39 | 0s58 | 2s41 | 0s49 | 9s34 | 0s55 | 20n56 | 0n48 | 20s57 | 1n34 | 22s33 | 0s 0 | 18n36 | 1s38 | 9n36 | 11s10 | 21s34 | 21s26 | 21s49 | 12n55 | 2s16 |
| S 2 | 14 20 | 9 18 | 4 53 | 21 29 | 1 5 | 2 9 | 0 47 | 9 16 | 0 55 | 20 57 | 0 48 | 20 57 | 1 34 | 22 33 | 0 0 | 18 36 | 1 38 | 9 36 | 11 9 | 21 32 | 21 25 | 21 49 | 12 56 | 2 16 |
| S 3 | 14 0 | 4 19 | 5 1 | 21 18 | 1 12 | 1 38 | 0 44 | 8 58 | 0 54 | 20 59 | 0 48 | 20 58 | 1 34 | 22 34 | 0 0 | 18 36 | 1 38 | 9 36 | 11 9 | 21 30 | 21 25 | 21 49 | 12 56 | 2 16 |
| M 4 | 13 40 | 0s45 | 4 52 | 21 5 | 1 18 | 1 6 | 0 41 | 8 40 | 0 54 | 21 0 | 0 48 | 20 58 | 1 34 | 22 34 | 0 0 | 18 36 | 1 38 | 9 37 | 11 9 | 21 28 | 21 24 | 21 49 | 12 57 | 2 16 |
| T 5 | 13 20 | 5 38 | 4 28 | 20 51 | 1 24 | 0 34 | 0 38 | 8 22 | 0 53 | 21 2 | 0 48 | 20 58 | 1 34 | 22 34 | 0 0 | 18 37 | 1 38 | 9 37 | 11 9 | 21 26 | 21 24 | 21 49 | 12 57 | 2 16 |
| W 6 | 13 0 | 10 8 | 3 50 | 20 35 | 1 29 | 0 3 | 0 35 | 8 3 | 0 53 | 21 3 | 0 48 | 20 59 | 1 34 | 22 34 | 0 0 | 18 37 | 1 38 | 9 37 | 11 8 | 21 25 | 21 23 | 21 49 | 12 58 | 2 16 |
| T 7 | 12 39 | 14 4 | 3 2 | 20 18 | 1 35 | 0n29 | 0 32 | 7 45 | 0 52 | 21 5 | 0 48 | 20 59 | 1 34 | 22 34 | 0 0 | 18 37 | 1 38 | 9 37 | 11 8 | 21 24 | 21 22 | 21 48 | 12 58 | 2 16 |
| F 8 | 12 19 | 17 19 | 2 7 | 20 0 | 1 40 | 1 1 | 0 29 | 7 26 | 0 52 | 21 6 | 0 48 | 20 59 | 1 34 | 22 35 | 0 0 | 18 37 | 1 38 | 9 38 | 11 8 | 21 23 | 21 22 | 21 48 | 12 59 | 2 16 |
| S 9 | 11 58 | 19 45 | 1 7 | 19 40 | 1 44 | 1 32 | 0 26 | 7 8 | 0 51 | 21 7 | 0 49 | 21 0 | 1 34 | 22 35 | 0 0 | 18 37 | 1 38 | 9 38 | 11 7 | 21 23 | 21 21 | 21 48 | 13 0 | 2 16 |
| S 10 | 11 37 | 21 19 | 0 4 | 19 19 | 1 48 | 2 4 | 0 22 | 6 49 | 0 51 | 21 9 | 0 49 | 21 0 | 1 34 | 22 35 | 0 0 | 18 37 | 1 38 | 9 38 | 11 7 | 21 23 | 21 21 | 21 48 | 13 0 | 2 16 |
| M11 | 11 15 | 21 55 | 0n58 | 18 57 | 1 52 | 2 35 | 0 19 | 6 31 | 0 50 | 21 10 | 0 49 | 21 0 | 1 35 | 22 35 | 0 0 | 18 37 | 1 38 | 9 38 | 11 7 | 21 23 | 21 20 | 21 48 | 13 1 | 2 16 |
| T 12 | 10 54 | 21 33 | 1 58 | 18 33 | 1 56 | 3 7 | 0 16 | 6 12 | 0 50 | 21 11 | 0 49 | 21 0 | 1 35 | 22 35 | 0 0 | 18 37 | 1 38 | 9 39 | 11 7 | 21 23 | 21 20 | 21 48 | 13 2 | 2 16 |
| W13 | 10 32 | 20 12 | 2 53 | 18 8 | 1 59 | 3 38 | 0 13 | 5 53 | 0 49 | 21 12 | 0 49 | 21 1 | 1 35 | 22 36 | 0 0 | 18 37 | 1 38 | 9 39 | 11 6 | 21 22 | 21 19 | 21 48 | 13 2 | 2 16 |
| T 14 | 10 11 | 17 55 | 3 41 | 17 42 | 2 2 | 4 10 | 0 9 | 5 35 | 0 49 | 21 14 | 0 49 | 21 1 | 1 35 | 22 36 | 0 0 | 18 38 | 1 38 | 9 39 | 11 6 | 21 21 | 21 19 | 21 48 | 13 3 | 2 16 |
| F 15 | 9 49 | 14 46 | 4 20 | 17 14 | 2 4 | 4 41 | 0 6 | 5 16 | 0 48 | 21 15 | 0 49 | 21 1 | 1 35 | 22 36 | 0 0 | 18 38 | 1 38 | 9 40 | 11 6 | 21 19 | 21 18 | 21 48 | 13 4 | 2 16 |
| S 16 | 9 27 | 10 53 | 4 47 | 16 44 | 2 6 | 5 12 | 0 2 | 4 57 | 0 48 | 21 16 | 0 49 | 21 1 | 1 35 | 22 36 | 0 0 | 18 38 | 1 38 | 9 40 | 11 5 | 21 17 | 21 17 | 21 48 | 13 4 | 2 16 |
| S 17 | 9 4 | 6 26 | 4 59 | 16 14 | 2 8 | 5 43 | 0n 1 | 4 38 | 0 47 | 21 17 | 0 49 | 21 2 | 1 35 | 22 36 | 0 0 | 18 38 | 1 37 | 9 40 | 11 5 | 21 15 | 21 17 | 21 48 | 13 5 | 2 16 |
| M18 | 8 42 | 1 35 | 4 56 | 15 41 | 2 9 | 6 14 | 0 5 | 4 19 | 0 47 | 21 18 | 0 49 | 21 2 | 1 35 | 22 36 | 0 0 | 18 38 | 1 37 | 9 41 | 11 5 | 21 13 | 21 16 | 21 48 | 13 6 | 2 16 |
| T 19 | 8 19 | 3n25 | 4 36 | 15 8 | 2 10 | 6 45 | 0 8 | 4 1 | 0 46 | 21 19 | 0 49 | 21 2 | 1 35 | 22 36 | 0 0 | 18 39 | 1 37 | 9 41 | 11 5 | 21 10 | 21 16 | 21 48 | 13 7 | 2 16 |
| W20 | 7 57 | 8 20 | 4 1 | 14 33 | 2 10 | 7 16 | 0 12 | 3 42 | 0 46 | 21 20 | 0 49 | 21 2 | 1 35 | 22 37 | 0 0 | 18 39 | 1 37 | 9 41 | 11 4 | 21 8 | 21 15 | 21 48 | 13 8 | 2 15 |
| T 21 | 7 34 | 12 52 | 3 10 | 13 57 | 2 10 | 7 46 | 0 16 | 3 23 | 0 45 | 21 21 | 0 49 | 21 2 | 1 36 | 22 37 | 0 0 | 18 39 | 1 37 | 9 42 | 11 4 | 21 7 | 21 15 | 21 47 | 13 8 | 2 15 |
| F 22 | 7 11 | 16 44 | 2 8 | 13 19 | 2 9 | 8 16 | 0 19 | 3 4 | 0 45 | 21 21 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 39 | 1 37 | 9 42 | 11 4 | 21 6 | 21 14 | 21 47 | 13 9 | 2 15 |
| S 23 | 6 48 | 19 39 | 0 57 | 12 40 | 2 8 | 8 47 | 0 23 | 2 45 | 0 44 | 21 22 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 39 | 1 37 | 9 42 | 11 4 | 21 6 | 21 13 | 21 47 | 13 10 | 2 15 |
| S 24 | 6 25 | 21 23 | 0s17 | 11 59 | 2 7 | 9 17 | 0 27 | 2 26 | 0 43 | 21 23 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 40 | 1 37 | 9 43 | 11 3 | 21 6 | 21 13 | 21 47 | 13 11 | 2 15 |
| M25 | 6 2 | 21 45 | 1 30 | 11 17 | 2 5 | 9 46 | 0 30 | 2 7 | 0 43 | 21 24 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 40 | 1 37 | 9 43 | 11 3 | 21 6 | 21 12 | 21 47 | 13 12 | 2 15 |
| T 26 | 5 39 | 20 45 | 2 38 | 10 34 | 2 2 | 10 16 | 0 34 | 1 48 | 0 42 | 21 24 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 40 | 1 37 | 9 43 | 11 3 | 21 6 | 21 12 | 21 47 | 13 13 | 2 15 |
| W27 | 5 16 | 18 28 | 3 36 | 9 49 | 1 59 | 10 45 | 0 38 | 1 29 | 0 42 | 21 25 | 0 49 | 21 3 | 1 36 | 22 37 | 0 0 | 18 40 | 1 37 | 9 44 | 11 3 | 21 5 | 21 11 | 21 47 | 13 14 | 2 15 |
| T 28 | 4s53 | 15n 5 | 4s21 | 9s 3 | 1s56 | 11n14 | 0n42 | 1s10 | 0s41 | 21n26 | 0n49 | 21s 3 | 1n36 | 22s37 | 0s 0 | 18n41 | 1s37 | 9n44 | 11s 2 | 21s 4 | 21s11 | 21s47 | 13n15 | 2s15 |

Julian Day Number = 2231708.5, Delta T = 07m56s
Ecliptic obliquity = 23°30'59, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'38, Lahiri = 15°27'38 Julian Calendar 1 Feb. 1398 == Greg. Calendar 9 Feb. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## MARCH 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 7 15 | 18♓41'46 | 18♌ 0 | 13♓25 | 28♈35 | 29♓24 | 27°R55 | 14♐50 | 14♐32 | 0♊11 | 1♊38 | 4°R 7 | 4♐49 | 15♐30 | 11♉44 | F 1 |
| S 2 | 11 11 12 | 19°41'23 | 1♍50 | 15°19 | 29°45 | 0♈10 | 27♋53 | 14°51 | 14°33 | 0°12 | 1°39 | 3♐56 | 4°46 | 15°37 | 11°47 | S 2 |
| S 3 | 11 15 8 | 20°40'57 | 15°27 | 17°15 | 0♉55 | 0°56 | 27°50 | 14°53 | 14°33 | 0°13 | 1°40 | 3°44 | 4°42 | 15°44 | 11°50 | S 3 |
| M 4 | 11 19 5 | 21°40'29 | 28°48 | 19°12 | 2° 5 | 1°42 | 27°48 | 14°54 | 14°34 | 0°14 | 1°40 | 3°32 | 4°39 | 15°50 | 11°53 | M 4 |
| T 5 | 11 23 1 | 22°39'59 | 11♎51 | 21°10 | 3°14 | 2°28 | 27°46 | 14°55 | 14°34 | 0°15 | 1°41 | 3°22 | 4°36 | 15°57 | 11°57 | T 5 |
| W 6 | 11 26 58 | 23°39'28 | 24°36 | 23° 9 | 4°24 | 3°14 | 27°44 | 14°56 | 14°34 | 0°17 | 1°41 | 3°13 | 4°33 | 16° 4 | 12° 0 | W 6 |
| T 7 | 11 30 55 | 24°38'54 | 7♏ 2 | 25° 9 | 5°33 | 4° 0 | 27°42 | 14°57 | 14°35 | 0°18 | 1°42 | 3° 8 | 4°30 | 16°10 | 12° 3 | T 7 |
| F 8 | 11 34 51 | 25°38'19 | 19°12 | 27° 9 | 6°43 | 4°46 | 27°40 | 14°58 | 14°35 | 0°19 | 1°42 | 3° 5 | 4°26 | 16°17 | 12° 6 | F 8 |
| S 9 | 11 38 48 | 26°37'42 | 1♐11 | 29°11 | 7°52 | 5°31 | 27°39 | 14°59 | 14°35 | 0°20 | 1°43 | 3°D 4 | 4°23 | 16°23 | 12°10 | S 9 |
| S 10 | 11 42 44 | 27°37'02 | 13° 1 | 1♈13 | 9° 1 | 6°17 | 27°37 | 14°59 | 14°35 | 0°21 | 1°44 | 3° 4 | 4°20 | 16°30 | 12°13 | S 10 |
| M11 | 11 46 41 | 28°36'22 | 24°50 | 3°15 | 10° 9 | 7° 3 | 27°36 | 15° 0 | 14°R35 | 0°22 | 1°44 | 3°R 5 | 4°17 | 16°37 | 12°16 | M11 |
| T 12 | 11 50 37 | 29°35'39 | 6♑41 | 5°18 | 11°18 | 7°48 | 27°36 | 15° 0 | 14°35 | 0°24 | 1°45 | 3° 4 | 4°14 | 16°43 | 12°20 | T 12 |
| W13 | 11 54 34 | 0♈34'54 | 18°40 | 7°21 | 12°27 | 8°34 | 27°35 | 15° 1 | 14°35 | 0°25 | 1°46 | 3° 3 | 4°11 | 16°50 | 12°23 | W13 |
| T 14 | 11 58 30 | 1°34'08 | 0♒53 | 9°23 | 13°35 | 9°19 | 27°34 | 15° 1 | 14°35 | 0°26 | 1°47 | 2°59 | 4° 7 | 16°57 | 12°27 | T 14 |
| F 15 | 12 2 27 | 2°33'20 | 13°24 | 11°25 | 14°43 | 10° 5 | 27°34 | 15° 1 | 14°35 | 0°28 | 1°47 | 2°52 | 4° 4 | 17° 3 | 12°31 | F 15 |
| S 16 | 12 6 24 | 3°32'30 | 26°15 | 13°26 | 15°51 | 10°50 | 27°D34 | 15°R 1 | 14°34 | 0°29 | 1°48 | 2°44 | 4° 1 | 17°10 | 12°34 | S 16 |
| S 17 | 12 10 20 | 4°31'38 | 9♓28 | 15°26 | 16°59 | 11°36 | 27°34 | 15° 1 | 14°34 | 0°30 | 1°49 | 2°34 | 3°58 | 17°17 | 12°38 | S 17 |
| M18 | 12 14 17 | 5°30'44 | 23° 2 | 17°24 | 18° 7 | 12°21 | 27°35 | 15° 1 | 14°34 | 0°32 | 1°50 | 2°24 | 3°55 | 17°23 | 12°41 | M18 |
| T 19 | 12 18 13 | 6°29'48 | 6♈56 | 19°20 | 19°14 | 13° 6 | 27°35 | 15° 1 | 14°33 | 0°33 | 1°51 | 2°15 | 3°51 | 17°30 | 12°45 | T 19 |
| W20 | 12 22 10 | 7°28'50 | 21° 5 | 21°14 | 20°22 | 13°51 | 27°36 | 15° 0 | 14°33 | 0°35 | 1°52 | 2° 8 | 3°48 | 17°37 | 12°49 | W20 |
| T 21 | 12 26 6 | 8°27'50 | 5♉23 | 23° 5 | 21°29 | 14°37 | 27°37 | 15° 0 | 14°33 | 0°36 | 1°52 | 2° 2 | 3°45 | 17°43 | 12°53 | T 21 |
| F 22 | 12 30 3 | 9°26'47 | 19°47 | 24°53 | 22°36 | 15°22 | 27°38 | 14°59 | 14°32 | 0°38 | 1°53 | 2° 0 | 3°42 | 17°50 | 12°56 | F 22 |
| S 23 | 12 33 59 | 10°25'43 | 4♊10 | 26°37 | 23°42 | 16° 7 | 27°39 | 14°59 | 14°31 | 0°39 | 1°54 | 1°D59 | 3°39 | 17°57 | 13° 0 | S 23 |
| S 24 | 12 37 56 | 11°24'36 | 18°29 | 28°18 | 24°49 | 16°52 | 27°40 | 14°58 | 14°31 | 0°41 | 1°55 | 2° 0 | 3°36 | 18° 3 | 13° 4 | S 24 |
| M25 | 12 41 53 | 12°23'27 | 2♋42 | 29°55 | 25°55 | 17°37 | 27°42 | 14°57 | 14°30 | 0°43 | 1°56 | 2° 1 | 3°32 | 18°10 | 13° 8 | M25 |
| T 26 | 12 45 49 | 13°22'16 | 16°47 | 1♉27 | 27° 1 | 18°22 | 27°44 | 14°56 | 14°29 | 0°44 | 1°57 | 2°R 1 | 3°29 | 18°16 | 13°12 | T 26 |
| W27 | 12 49 46 | 14°21'02 | 0♌43 | 2°55 | 28° 7 | 19° 7 | 27°46 | 14°55 | 14°29 | 0°46 | 1°58 | 2° 0 | 3°26 | 18°23 | 13°16 | W27 |
| T 28 | 12 53 42 | 15°19'46 | 14°30 | 4°18 | 29°13 | 19°52 | 27°48 | 14°54 | 14°28 | 0°48 | 1°59 | 1°57 | 3°23 | 18°30 | 13°20 | T 28 |
| F 29 | 12 57 39 | 16°18'27 | 28° 5 | 5°36 | 0♊18 | 20°36 | 27°50 | 14°53 | 14°27 | 0°49 | 2° 0 | 1°51 | 3°20 | 18°36 | 13°24 | F 29 |
| S 30 | 13 1 35 | 17°17'06 | 11♍29 | 6°49 | 1°24 | 21°21 | 27°53 | 14°52 | 14°26 | 0°51 | 2° 1 | 1°45 | 3°17 | 18°43 | 13°28 | S 30 |
| S 31 | 13 5 32 | 18♈15'44 | 24♍41 | 7♉57 | 2♊29 | 22♈ 6 | 27♋55 | 14♐50 | 14♐25 | 0♊53 | 2♊ 2 | 1♐37 | 3♐13 | 18♐50 | 13♉32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s29 | 10n53 | 4s50 | 8s16 | 1s52 | 11n43 | 0n46 | 0s52 | 0s41 | 21n26 | 0n49 | 21s 3 | 1n36 | 22s37 | 0s 0 | 18n41 | 1s37 | 9n44 | 11s 2 | 21s 2 | 21s10 | 21s46 | 13n16 | 2s15 |
| S 2 | 4 6 | 6 10 | 5 1 | 7 27 | 1 47 | 12 11 | 0 49 | 0 33 | 0 40 | 21 27 | 0 49 | 21 3 | 1 36 | 22 38 | 0 0 | 18 41 | 1 37 | 9 45 | 11 2 | 21 0 | 21 9 | 21 46 | 13 17 | 2 15 |
| S 3 | 3 42 | 1 13 | 4 55 | 6 37 | 1 42 | 12 40 | 0 53 | 0 14 | 0 40 | 21 27 | 0 49 | 21 3 | 1 37 | 22 38 | 0 0 | 18 41 | 1 37 | 9 45 | 11 1 | 20 58 | 21 9 | 21 46 | 13 17 | 2 15 |
| M 4 | 3 19 | 3s42 | 4 33 | 5 46 | 1 37 | 13 8 | 0 57 | 0n 5 | 0 39 | 21 28 | 0 49 | 21 3 | 1 37 | 22 38 | 0 0 | 18 42 | 1 37 | 9 45 | 11 1 | 20 56 | 21 8 | 21 46 | 13 18 | 2 15 |
| T 5 | 2 55 | 8 20 | 3 57 | 4 54 | 1 30 | 13 35 | 1 1 | 0 24 | 0 38 | 21 28 | 0 48 | 21 4 | 1 37 | 22 38 | 0 0 | 18 42 | 1 37 | 9 46 | 11 1 | 20 54 | 21 8 | 21 46 | 13 19 | 2 15 |
| W 6 | 2 32 | 12 30 | 3 10 | 4 1 | 1 24 | 14 3 | 1 5 | 0 43 | 0 38 | 21 28 | 0 48 | 21 4 | 1 37 | 22 38 | 0 0 | 18 42 | 1 36 | 9 46 | 11 1 | 20 52 | 21 7 | 21 46 | 13 20 | 2 15 |
| T 7 | 2 8 | 16 1 | 2 14 | 3 6 | 1 16 | 14 30 | 1 9 | 1 2 | 0 37 | 21 29 | 0 48 | 21 4 | 1 37 | 22 38 | 0 0 | 18 42 | 1 36 | 9 46 | 11 0 | 20 51 | 21 6 | 21 45 | 13 21 | 2 15 |
| F 8 | 1 44 | 18 45 | 1 13 | 2 11 | 1 9 | 14 56 | 1 13 | 1 20 | 0 37 | 21 29 | 0 48 | 21 4 | 1 37 | 22 38 | 0 1 | 18 43 | 1 36 | 9 47 | 11 0 | 20 50 | 21 6 | 21 45 | 13 22 | 2 15 |
| S 9 | 1 21 | 20 38 | 0 10 | 1 15 | 1 0 | 15 23 | 1 16 | 1 39 | 0 36 | 21 29 | 0 48 | 21 4 | 1 37 | 22 38 | 0 1 | 18 43 | 1 36 | 9 47 | 11 0 | 20 50 | 21 5 | 21 45 | 13 23 | 2 15 |
| S 10 | 0 57 | 21 33 | 0n53 | 0 18 | 0 52 | 15 49 | 1 20 | 1 58 | 0 35 | 21 30 | 0 48 | 21 3 | 1 37 | 22 38 | 0 1 | 18 43 | 1 36 | 9 48 | 11 0 | 20 50 | 21 5 | 21 45 | 13 25 | 2 15 |
| M11 | 0 33 | 21 31 | 1 54 | 0n39 | 0 42 | 16 15 | 1 24 | 2 16 | 0 35 | 21 30 | 0 48 | 21 3 | 1 37 | 22 38 | 0 1 | 18 44 | 1 36 | 9 48 | 10 59 | 20 50 | 21 4 | 21 45 | 13 26 | 2 15 |
| T 12 | 0 10 | 20 31 | 2 50 | 1 37 | 0 32 | 16 40 | 1 28 | 2 35 | 0 34 | 21 30 | 0 48 | 21 3 | 1 37 | 22 38 | 0 1 | 18 44 | 1 36 | 9 48 | 10 59 | 20 50 | 21 4 | 21 44 | 13 27 | 2 15 |
| W13 | 0n14 | 18 36 | 3 39 | 2 35 | 0 22 | 17 5 | 1 32 | 2 53 | 0 34 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 44 | 1 36 | 9 49 | 10 59 | 20 50 | 21 3 | 21 44 | 13 28 | 2 15 |
| T 14 | 0 38 | 15 49 | 4 19 | 3 33 | 0 12 | 17 29 | 1 36 | 3 12 | 0 33 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 45 | 1 36 | 9 49 | 10 59 | 20 49 | 21 2 | 21 44 | 13 29 | 2 15 |
| F 15 | 1 1 | 12 15 | 4 48 | 4 31 | 0 1 | 17 53 | 1 39 | 3 30 | 0 32 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 45 | 1 36 | 9 49 | 10 58 | 20 48 | 21 2 | 21 44 | 13 30 | 2 15 |
| S 16 | 1 25 | 8 3 | 5 3 | 5 29 | 0n11 | 18 17 | 1 43 | 3 49 | 0 32 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 45 | 1 36 | 9 50 | 10 58 | 20 46 | 21 1 | 21 44 | 13 31 | 2 15 |
| S 17 | 1 48 | 3 22 | 5 3 | 6 26 | 0 22 | 18 40 | 1 47 | 4 7 | 0 31 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 46 | 1 36 | 9 50 | 10 58 | 20 45 | 21 1 | 21 43 | 13 32 | 2 15 |
| M18 | 2 12 | 1n36 | 4 46 | 7 22 | 0 34 | 19 3 | 1 51 | 4 26 | 0 31 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 46 | 1 36 | 9 51 | 10 58 | 20 43 | 21 0 | 21 43 | 13 33 | 2 15 |
| T 19 | 2 35 | 6 36 | 4 12 | 8 17 | 0 45 | 19 25 | 1 54 | 4 44 | 0 30 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 46 | 1 36 | 9 51 | 10 58 | 20 41 | 20 59 | 21 43 | 13 34 | 2 15 |
| W20 | 2 59 | 11 21 | 3 21 | 9 11 | 0 57 | 19 47 | 1 58 | 5 2 | 0 29 | 21 30 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 47 | 1 36 | 9 51 | 10 57 | 20 39 | 20 59 | 21 43 | 13 35 | 2 15 |
| T 21 | 3 22 | 15 32 | 2 18 | 10 3 | 1 8 | 20 9 | 2 2 | 5 20 | 0 29 | 21 29 | 0 48 | 21 3 | 1 38 | 22 38 | 0 1 | 18 47 | 1 36 | 9 52 | 10 57 | 20 38 | 20 58 | 21 42 | 13 36 | 2 15 |
| F 22 | 3 45 | 18 47 | 1 5 | 10 54 | 1 20 | 20 30 | 2 5 | 5 38 | 0 28 | 21 29 | 0 48 | 21 2 | 1 38 | 22 38 | 0 1 | 18 47 | 1 36 | 9 52 | 10 57 | 20 38 | 20 58 | 21 42 | 13 38 | 2 15 |
| S 23 | 4 9 | 20 51 | 0s12 | 11 43 | 1 31 | 20 50 | 2 9 | 5 56 | 0 28 | 21 29 | 0 48 | 21 2 | 1 38 | 22 38 | 0 1 | 18 48 | 1 36 | 9 53 | 10 57 | 20 38 | 20 57 | 21 42 | 13 39 | 2 15 |
| S 24 | 4 32 | 21 33 | 1 28 | 12 29 | 1 42 | 21 10 | 2 12 | 6 14 | 0 27 | 21 28 | 0 48 | 21 2 | 1 39 | 22 38 | 0 1 | 18 48 | 1 36 | 9 53 | 10 56 | 20 38 | 20 56 | 21 42 | 13 40 | 2 15 |
| M25 | 4 55 | 20 51 | 2 38 | 13 13 | 1 52 | 21 30 | 2 16 | 6 32 | 0 26 | 21 28 | 0 48 | 21 2 | 1 39 | 22 37 | 0 1 | 18 48 | 1 36 | 9 53 | 10 56 | 20 38 | 20 56 | 21 41 | 13 41 | 2 15 |
| T 26 | 5 18 | 18 51 | 3 38 | 13 55 | 2 2 | 21 49 | 2 19 | 6 50 | 0 26 | 21 28 | 0 48 | 21 2 | 1 39 | 22 37 | 0 1 | 18 49 | 1 35 | 9 54 | 10 56 | 20 38 | 20 55 | 21 41 | 13 42 | 2 15 |
| W27 | 5 41 | 15 46 | 4 24 | 14 34 | 2 11 | 22 7 | 2 22 | 7 7 | 0 25 | 21 27 | 0 48 | 21 1 | 1 39 | 22 37 | 0 1 | 18 49 | 1 35 | 9 54 | 10 56 | 20 38 | 20 55 | 21 41 | 13 43 | 2 15 |
| T 28 | 6 3 | 11 50 | 4 54 | 15 11 | 2 19 | 22 25 | 2 26 | 7 25 | 0 25 | 21 27 | 0 48 | 21 1 | 1 39 | 22 37 | 0 1 | 18 50 | 1 35 | 9 54 | 10 56 | 20 37 | 20 54 | 21 41 | 13 45 | 2 15 |
| F 29 | 6 26 | 7 22 | 5 8 | 15 45 | 2 27 | 22 42 | 2 29 | 7 42 | 0 24 | 21 26 | 0 48 | 21 1 | 1 39 | 22 37 | 0 1 | 18 50 | 1 35 | 9 55 | 10 55 | 20 36 | 20 53 | 21 40 | 13 46 | 2 15 |
| S 30 | 6 49 | 2 35 | 5 4 | 16 16 | 2 34 | 22 59 | 2 32 | 8 0 | 0 23 | 21 26 | 0 47 | 21 1 | 1 39 | 22 37 | 0 1 | 18 50 | 1 35 | 9 55 | 10 55 | 20 35 | 20 53 | 21 40 | 13 47 | 2 15 |
| S 31 | 7n11 | 2s14 | 4s44 | 16n44 | 2n40 | 23n16 | 2n35 | 8n17 | 0s23 | 21n25 | 0n47 | 21s 1 | 1n39 | 22s37 | 0s 1 | 18n51 | 1s35 | 9n56 | 10s55 | 20s33 | 20s52 | 21s40 | 13n48 | 2s15 |

Julian Day Number = 2231736.5, Delta T = 07m56s
Ecliptic obliquity = 23°31'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'42, Lahiri = 15°27'42 Julian Calendar 1 March 1398 == Greg. Calendar 9 March 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## APRIL 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 9 28 | 19♈14'19 | 7♎39 | 8♉59 | 3♊33 | 22♈50 | 27♋58 | 14°R49 | 14°R24 | 0♊54 | 2♊ 3 | 1°R30 | 3♐10 | 18♐56 | 13♉36 | M 1 |
| T 2 | 13 13 25 | 20°12'52 | 20°23 | 9°56 | 4°38 | 23°35 | 28° 1 | 14♐47 | 14♐23 | 0°56 | 2° 4 | 1♐23 | 3° 7 | 19° 3 | 13°40 | T 2 |
| W 3 | 13 17 21 | 21°11'23 | 2♏53 | 10°47 | 5°42 | 24°20 | 28° 5 | 14°46 | 14°22 | 0°58 | 2° 5 | 1°18 | 3° 4 | 19°10 | 13°44 | W 3 |
| T 4 | 13 21 18 | 22° 9'52 | 15° 9 | 11°32 | 6°46 | 25° 4 | 28° 8 | 14°44 | 14°21 | 1° 0 | 2° 6 | 1°15 | 3° 1 | 19°16 | 13°49 | T 4 |
| F 5 | 13 25 15 | 23° 8'20 | 27°14 | 12°11 | 7°49 | 25°48 | 28°12 | 14°42 | 14°19 | 1° 2 | 2° 7 | 1°D14 | 2°57 | 19°23 | 13°53 | F 5 |
| S 6 | 13 29 11 | 24° 6'45 | 9♐10 | 12°45 | 8°53 | 26°33 | 28°15 | 14°40 | 14°18 | 1° 4 | 2° 8 | 1°14 | 2°54 | 19°30 | 13°57 | S 6 |
| S 7 | 13 33 8 | 25° 5'09 | 21° 0 | 13°13 | 9°56 | 27°17 | 28°19 | 14°38 | 14°17 | 1° 5 | 2°10 | 1°15 | 2°51 | 19°36 | 14° 1 | S 7 |
| M 8 | 13 37 4 | 26° 3'32 | 2♑48 | 13°35 | 10°59 | 28° 1 | 28°23 | 14°36 | 14°16 | 1° 7 | 2°11 | 1°17 | 2°48 | 19°43 | 14° 5 | M 8 |
| T 9 | 13 41 1 | 27° 1'53 | 14°39 | 13°52 | 12° 1 | 28°46 | 28°28 | 14°34 | 14°14 | 1° 9 | 2°12 | 1°18 | 2°45 | 19°50 | 14°10 | T 9 |
| W10 | 13 44 57 | 28° 0'12 | 26°39 | 14° 2 | 13° 3 | 29°30 | 28°32 | 14°32 | 14°13 | 1°11 | 2°13 | 1°R19 | 2°42 | 19°56 | 14°14 | W10 |
| T 11 | 13 48 54 | 28°58'30 | 8♒51 | 14°R 7 | 14° 5 | 0♉14 | 28°37 | 14°29 | 14°11 | 1°13 | 2°14 | 1°19 | 2°38 | 20° 3 | 14°18 | T 11 |
| F 12 | 13 52 50 | 29°56'46 | 21°21 | 14° 7 | 15° 7 | 0°58 | 28°41 | 14°27 | 14°10 | 1°15 | 2°15 | 1°17 | 2°35 | 20°10 | 14°22 | F 12 |
| S 13 | 13 56 47 | 0♉55'00 | 4♓13 | 14° 1 | 16° 8 | 1°42 | 28°46 | 14°24 | 14° 8 | 1°17 | 2°16 | 1°14 | 2°32 | 20°16 | 14°27 | S 13 |
| S 14 | 14 0 44 | 1°53'13 | 17°29 | 13°50 | 17° 9 | 2°26 | 28°51 | 14°22 | 14° 7 | 1°19 | 2°18 | 1°10 | 2°29 | 20°23 | 14°31 | S 14 |
| M15 | 14 4 40 | 2°51'24 | 1♈10 | 13°34 | 18° 9 | 3°10 | 28°57 | 14°19 | 14° 5 | 1°21 | 2°19 | 1° 5 | 2°26 | 20°29 | 14°35 | M15 |
| T 16 | 14 8 37 | 3°49'34 | 15°15 | 13°14 | 19° 9 | 3°54 | 29° 2 | 14°16 | 14° 4 | 1°23 | 2°20 | 1° 1 | 2°22 | 20°36 | 14°40 | T 16 |
| W17 | 14 12 33 | 4°47'42 | 29°41 | 12°50 | 20° 9 | 4°38 | 29° 7 | 14°13 | 14° 2 | 1°25 | 2°21 | 0°58 | 2°19 | 20°43 | 14°44 | W17 |
| T 18 | 14 16 30 | 5°45'49 | 14♉21 | 12°22 | 21° 8 | 5°22 | 29°13 | 14°11 | 14° 0 | 1°27 | 2°23 | 0°56 | 2°16 | 20°49 | 14°48 | T 18 |
| F 19 | 14 20 26 | 6°43'54 | 29° 8 | 11°52 | 22° 7 | 6° 5 | 29°19 | 14° 8 | 13°58 | 1°29 | 2°24 | 0°D55 | 2°13 | 20°56 | 14°53 | F 19 |
| S 20 | 14 24 23 | 7°41'57 | 13♊57 | 11°19 | 23° 6 | 6°49 | 29°25 | 14° 5 | 13°57 | 1°31 | 2°25 | 0°56 | 2°10 | 21° 3 | 14°57 | S 20 |
| S 21 | 14 28 19 | 8°39'58 | 28°39 | 10°44 | 24° 4 | 7°33 | 29°31 | 14° 1 | 13°55 | 1°33 | 2°26 | 0°57 | 2° 7 | 21° 9 | 15° 2 | S 21 |
| M22 | 14 32 16 | 9°37'57 | 13♋ 9 | 10° 8 | 25° 1 | 8°16 | 29°37 | 13°58 | 13°53 | 1°36 | 2°28 | 0°58 | 2° 3 | 21°16 | 15° 6 | M22 |
| T 23 | 14 36 13 | 10°35'55 | 27°24 | 9°31 | 25°58 | 9° 0 | 29°44 | 13°55 | 13°51 | 1°38 | 2°29 | 0°59 | 2° 0 | 21°23 | 15°10 | T 23 |
| W24 | 14 40 9 | 11°33'50 | 11♌22 | 8°55 | 26°55 | 9°43 | 29°50 | 13°52 | 13°49 | 1°40 | 2°30 | 1°R 0 | 1°57 | 21°29 | 15°15 | W24 |
| T 25 | 14 44 6 | 12°31'44 | 25° 2 | 8°19 | 27°51 | 10°27 | 29°57 | 13°48 | 13°47 | 1°42 | 2°32 | 0°59 | 1°54 | 21°36 | 15°19 | T 25 |
| F 26 | 14 48 2 | 13°29'36 | 8♍25 | 7°45 | 28°47 | 11°10 | 0♌ 4 | 13°45 | 13°45 | 1°44 | 2°33 | 0°58 | 1°51 | 21°43 | 15°24 | F 26 |
| S 27 | 14 51 59 | 14°27'26 | 21°32 | 7°12 | 29°42 | 11°53 | 0°11 | 13°41 | 13°43 | 1°46 | 2°34 | 0°56 | 1°48 | 21°49 | 15°28 | S 27 |
| S 28 | 14 55 55 | 15°25'14 | 4♎23 | 6°42 | 0♋36 | 12°36 | 0°18 | 13°38 | 13°41 | 1°48 | 2°35 | 0°54 | 1°44 | 21°56 | 15°32 | S 28 |
| M29 | 14 59 52 | 16°23'01 | 17° 0 | 6°15 | 1°30 | 13°20 | 0°25 | 13°34 | 13°39 | 1°51 | 2°37 | 0°52 | 1°41 | 22° 3 | 15°37 | M29 |
| T 30 | 15 3 48 | 17♉20'46 | 29♎25 | 5♉51 | 2♋24 | 14♉ 3 | 0♌32 | 13♐30 | 13♐37 | 1♊53 | 2♊38 | 0♐50 | 1♐38 | 22♐ 9 | 15♉41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 7n33 | 6s52 | 4s10 | 17n 9 | 2n45 | 23n31 | 2n38 | 8n34 | 0s22 | 21n24 | 0n47 | 21s 0 | 1n39 | 22s37 | 0s 1 | 18n51 | 1s35 | 9n56 | 10s55 | 20s32 | 20s51 | 21s39 | 13n49 | 2s15 |
| T 2 | 7 55 | 11 8 | 3 23 | 17 31 | 2 50 | 23 47 | 2 41 | 8 51 | 0 21 | 21 24 | 0 47 | 21 0 | 1 39 | 22 37 | 0 1 | 18 52 | 1 35 | 9 56 | 10 55 | 20 30 | 20 51 | 21 39 | 13 50 | 2 15 |
| W 3 | 8 18 | 14 50 | 2 28 | 17 50 | 2 53 | 24 1 | 2 44 | 9 8 | 0 21 | 21 23 | 0 47 | 21 0 | 1 39 | 22 37 | 0 1 | 18 52 | 1 35 | 9 57 | 10 54 | 20 29 | 20 50 | 21 39 | 13 52 | 2 15 |
| T 4 | 8 39 | 17 49 | 1 26 | 18 7 | 2 55 | 24 15 | 2 47 | 9 25 | 0 20 | 21 22 | 0 47 | 21 0 | 1 39 | 22 36 | 0 1 | 18 52 | 1 35 | 9 57 | 10 54 | 20 29 | 20 50 | 21 38 | 13 53 | 2 15 |
| F 5 | 9 1 | 19 57 | 0 22 | 18 20 | 2 56 | 24 29 | 2 50 | 9 42 | 0 19 | 21 22 | 0 47 | 20 59 | 1 40 | 22 36 | 0 1 | 18 53 | 1 35 | 9 58 | 10 54 | 20 28 | 20 49 | 21 38 | 13 54 | 2 15 |
| S 6 | 9 23 | 21 11 | 0n43 | 18 30 | 2 56 | 24 42 | 2 53 | 9 59 | 0 19 | 21 21 | 0 47 | 20 59 | 1 40 | 22 36 | 0 1 | 18 53 | 1 35 | 9 58 | 10 54 | 20 28 | 20 48 | 21 38 | 13 55 | 2 15 |
| S 7 | 9 44 | 21 27 | 1 46 | 18 38 | 2 55 | 24 54 | 2 55 | 10 15 | 0 18 | 21 20 | 0 47 | 20 59 | 1 40 | 22 36 | 0 1 | 18 54 | 1 35 | 9 58 | 10 54 | 20 29 | 20 48 | 21 38 | 13 56 | 2 15 |
| M 8 | 10 6 | 20 45 | 2 44 | 18 42 | 2 52 | 25 6 | 2 58 | 10 32 | 0 18 | 21 19 | 0 47 | 20 58 | 1 40 | 22 36 | 0 1 | 18 54 | 1 35 | 9 59 | 10 53 | 20 29 | 20 47 | 21 37 | 13 58 | 2 16 |
| T 9 | 10 27 | 19 8 | 3 35 | 18 43 | 2 48 | 25 17 | 3 0 | 10 48 | 0 17 | 21 18 | 0 47 | 20 58 | 1 40 | 22 36 | 0 1 | 18 55 | 1 35 | 9 59 | 10 53 | 20 29 | 20 47 | 21 37 | 13 59 | 2 16 |
| W10 | 10 48 | 16 40 | 4 18 | 18 42 | 2 43 | 25 27 | 3 2 | 11 5 | 0 16 | 21 17 | 0 47 | 20 58 | 1 40 | 22 36 | 0 1 | 18 55 | 1 35 | 9 59 | 10 53 | 20 29 | 20 46 | 21 37 | 14 0 | 2 16 |
| T 11 | 11 9 | 13 26 | 4 50 | 18 37 | 2 37 | 25 37 | 3 5 | 11 21 | 0 16 | 21 16 | 0 47 | 20 57 | 1 40 | 22 35 | 0 1 | 18 55 | 1 35 | 10 0 | 10 53 | 20 29 | 20 45 | 21 36 | 14 1 | 2 16 |
| F 12 | 11 29 | 9 33 | 5 9 | 18 30 | 2 29 | 25 47 | 3 7 | 11 37 | 0 15 | 21 15 | 0 47 | 20 57 | 1 40 | 22 35 | 0 1 | 18 56 | 1 35 | 10 0 | 10 53 | 20 29 | 20 45 | 21 36 | 14 3 | 2 16 |
| S 13 | 11 50 | 5 8 | 5 13 | 18 20 | 2 20 | 25 55 | 3 9 | 11 53 | 0 14 | 21 14 | 0 47 | 20 57 | 1 40 | 22 35 | 0 1 | 18 56 | 1 35 | 10 1 | 10 53 | 20 28 | 20 44 | 21 35 | 14 4 | 2 16 |
| S 14 | 12 10 | 0 21 | 5 1 | 18 7 | 2 10 | 26 3 | 3 11 | 12 9 | 0 14 | 21 13 | 0 47 | 20 56 | 1 40 | 22 35 | 0 1 | 18 57 | 1 35 | 10 1 | 10 52 | 20 28 | 20 43 | 21 35 | 14 5 | 2 16 |
| M15 | 12 30 | 4n37 | 4 31 | 17 51 | 1 59 | 26 11 | 3 13 | 12 24 | 0 13 | 21 12 | 0 47 | 20 56 | 1 40 | 22 35 | 0 1 | 18 57 | 1 35 | 10 1 | 10 52 | 20 27 | 20 43 | 21 35 | 14 6 | 2 16 |
| T 16 | 12 50 | 9 29 | 3 45 | 17 33 | 1 46 | 26 18 | 3 14 | 12 40 | 0 13 | 21 11 | 0 47 | 20 56 | 1 40 | 22 35 | 0 1 | 18 58 | 1 35 | 10 2 | 10 52 | 20 26 | 20 42 | 21 34 | 14 7 | 2 16 |
| W17 | 13 10 | 13 56 | 2 43 | 17 13 | 1 33 | 26 24 | 3 16 | 12 55 | 0 12 | 21 10 | 0 47 | 20 55 | 1 40 | 22 34 | 0 1 | 18 58 | 1 35 | 10 2 | 10 52 | 20 25 | 20 42 | 21 34 | 14 9 | 2 16 |
| T 18 | 13 29 | 17 38 | 1 30 | 16 50 | 1 18 | 26 30 | 3 17 | 13 10 | 0 11 | 21 8 | 0 47 | 20 55 | 1 40 | 22 34 | 0 1 | 18 58 | 1 35 | 10 2 | 10 52 | 20 25 | 20 41 | 21 34 | 14 10 | 2 16 |
| F 19 | 13 48 | 20 11 | 0 10 | 16 26 | 1 3 | 26 35 | 3 19 | 13 26 | 0 11 | 21 7 | 0 47 | 20 54 | 1 40 | 22 34 | 0 1 | 18 59 | 1 35 | 10 3 | 10 52 | 20 25 | 20 40 | 21 33 | 14 11 | 2 16 |
| S 20 | 14 7 | 21 22 | 1s11 | 16 1 | 0 47 | 26 40 | 3 20 | 13 41 | 0 10 | 21 6 | 0 46 | 20 54 | 1 40 | 22 34 | 0 1 | 18 59 | 1 35 | 10 3 | 10 52 | 20 25 | 20 40 | 21 33 | 14 12 | 2 16 |
| S 21 | 14 26 | 21 4 | 2 27 | 15 34 | 0 30 | 26 44 | 3 21 | 13 55 | 0 9 | 21 4 | 0 46 | 20 54 | 1 40 | 22 34 | 0 1 | 19 0 | 1 35 | 10 4 | 10 51 | 20 25 | 20 39 | 21 32 | 14 13 | 2 16 |
| M22 | 14 45 | 19 20 | 3 32 | 15 6 | 0 13 | 26 47 | 3 22 | 14 10 | 0 9 | 21 3 | 0 46 | 20 53 | 1 40 | 22 33 | 0 1 | 19 0 | 1 34 | 10 4 | 10 51 | 20 25 | 20 38 | 21 32 | 14 15 | 2 16 |
| T 23 | 15 3 | 16 26 | 4 23 | 14 38 | 0s 4 | 26 50 | 3 23 | 14 25 | 0 8 | 21 2 | 0 46 | 20 53 | 1 41 | 22 33 | 0 1 | 19 1 | 1 34 | 10 4 | 10 51 | 20 25 | 20 38 | 21 32 | 14 16 | 2 16 |
| W24 | 15 21 | 12 39 | 4 58 | 14 10 | 0 22 | 26 52 | 3 23 | 14 39 | 0 7 | 21 0 | 0 46 | 20 52 | 1 41 | 22 33 | 0 1 | 19 1 | 1 34 | 10 5 | 10 51 | 20 25 | 20 37 | 21 31 | 14 17 | 2 17 |
| T 25 | 15 39 | 8 17 | 5 14 | 13 42 | 0 39 | 26 54 | 3 24 | 14 54 | 0 7 | 20 59 | 0 46 | 20 52 | 1 41 | 22 33 | 0 1 | 19 2 | 1 34 | 10 5 | 10 51 | 20 25 | 20 36 | 21 31 | 14 18 | 2 17 |
| F 26 | 15 56 | 3 36 | 5 13 | 13 15 | 0 56 | 26 55 | 3 24 | 15 8 | 0 6 | 20 57 | 0 46 | 20 52 | 1 41 | 22 32 | 0 1 | 19 2 | 1 34 | 10 5 | 10 51 | 20 25 | 20 36 | 21 30 | 14 19 | 2 17 |
| S 27 | 16 14 | 1s10 | 4 56 | 12 49 | 1 13 | 26 55 | 3 25 | 15 22 | 0 6 | 20 56 | 0 46 | 20 51 | 1 41 | 22 32 | 0 1 | 19 2 | 1 34 | 10 6 | 10 51 | 20 25 | 20 35 | 21 30 | 14 21 | 2 17 |
| S 28 | 16 31 | 5 47 | 4 24 | 12 24 | 1 29 | 26 55 | 3 25 | 15 36 | 0 5 | 20 54 | 0 46 | 20 51 | 1 41 | 22 32 | 0 1 | 19 3 | 1 34 | 10 6 | 10 51 | 20 24 | 20 35 | 21 30 | 14 22 | 2 17 |
| M29 | 16 47 | 10 4 | 3 39 | 12 0 | 1 44 | 26 55 | 3 24 | 15 49 | 0 4 | 20 53 | 0 46 | 20 50 | 1 41 | 22 32 | 0 1 | 19 3 | 1 34 | 10 6 | 10 51 | 20 24 | 20 34 | 21 29 | 14 23 | 2 17 |
| T 30 | 17n 4 | 13s53 | 2s45 | 11n38 | 1s59 | 26n54 | 3n24 | 16n 3 | 0s 4 | 20n51 | 0n46 | 20s50 | 1n41 | 22s31 | 0s 1 | 19n 4 | 1s34 | 10n 7 | 10s50 | 20s23 | 20s33 | 21s29 | 14n24 | 2s17 |

Julian Day Number = 2231767.5, Delta T = 07m56s
Ecliptic obliquity = 23°30'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'46, Lahiri = 15°27'46 Julian Calendar 1 Apr. 1398 == Greg. Calendar 9 Apr. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## MAY 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 7 45 | 18♉18'29 | 11♏39 | 5°R31 | 3♋16 | 14♉46 | 0♌40 | 13°R27 | 13°R35 | 1♊55 | 2♊39 | 0°R49 | 1♐35 | 22♐16 | 15♉46 | W 1 |
| T 2 | 15 11 42 | 19°16'11 | 23°44 | 5♉15 | 4° 8 | 15°29 | 0°48 | 13♐23 | 13♐33 | 1°57 | 2°41 | 0♐48 | 1°32 | 22°23 | 15°50 | T 2 |
| F 3 | 15 15 38 | 20°13'52 | 5♐41 | 5° 2 | 5° 0 | 16°12 | 0°55 | 13°19 | 13°30 | 1°59 | 2°42 | 0°D48 | 1°28 | 22°29 | 15°54 | F 3 |
| S 4 | 15 19 35 | 21°11'32 | 17°32 | 4°55 | 5°51 | 16°55 | 1° 3 | 13°15 | 13°28 | 2° 2 | 2°43 | 0°48 | 1°25 | 22°36 | 15°59 | S 4 |
| S 5 | 15 23 31 | 22° 9'10 | 29°21 | 4°D51 | 6°41 | 17°38 | 1°11 | 13°11 | 13°26 | 2° 4 | 2°45 | 0°49 | 1°22 | 22°43 | 16° 3 | S 5 |
| M 6 | 15 27 28 | 23° 6'48 | 11♑10 | 4°53 | 7°30 | 18°20 | 1°19 | 13° 7 | 13°24 | 2° 6 | 2°46 | 0°50 | 1°19 | 22°49 | 16° 8 | M 6 |
| T 7 | 15 31 24 | 24° 4'24 | 23° 2 | 4°58 | 8°18 | 19° 3 | 1°27 | 13° 3 | 13°22 | 2° 8 | 2°48 | 0°51 | 1°16 | 22°56 | 16°12 | T 7 |
| W 8 | 15 35 21 | 25° 1'59 | 5♒ 2 | 5° 9 | 9° 6 | 19°46 | 1°36 | 12°59 | 13°19 | 2°10 | 2°49 | 0°51 | 1°13 | 23° 3 | 16°16 | W 8 |
| T 9 | 15 39 17 | 25°59'33 | 17°14 | 5°23 | 9°53 | 20°29 | 1°44 | 12°55 | 13°17 | 2°13 | 2°50 | 0°52 | 1° 9 | 23° 9 | 16°21 | T 9 |
| F 10 | 15 43 14 | 26°57'06 | 29°42 | 5°42 | 10°39 | 21°11 | 1°53 | 12°51 | 13°15 | 2°15 | 2°52 | 0°R52 | 1° 6 | 23°16 | 16°25 | F 10 |
| S 11 | 15 47 11 | 27°54'39 | 12♓31 | 6° 6 | 11°24 | 21°54 | 2° 2 | 12°47 | 13°12 | 2°17 | 2°53 | 0°52 | 1° 3 | 23°22 | 16°30 | S 11 |
| S 12 | 15 51 7 | 28°52'10 | 25°43 | 6°34 | 12° 9 | 22°36 | 2°10 | 12°43 | 13°10 | 2°19 | 2°54 | 0°51 | 1° 0 | 23°29 | 16°34 | S 12 |
| M13 | 15 55 4 | 29°49'41 | 9♈21 | 7° 6 | 12°52 | 23°19 | 2°19 | 12°38 | 13° 8 | 2°22 | 2°56 | 0°51 | 0°57 | 23°36 | 16°38 | M13 |
| T 14 | 15 59 0 | 0♊47'11 | 23°25 | 7°42 | 13°35 | 24° 1 | 2°28 | 12°34 | 13° 5 | 2°24 | 2°57 | 0°D51 | 0°54 | 23°42 | 16°43 | T 14 |
| W15 | 16 2 57 | 1°44'40 | 7♉54 | 8°22 | 14°16 | 24°44 | 2°37 | 12°30 | 13° 3 | 2°26 | 2°58 | 0°51 | 0°50 | 23°49 | 16°47 | W15 |
| T 16 | 16 6 53 | 2°42'08 | 22°43 | 9° 6 | 14°56 | 25°26 | 2°47 | 12°25 | 13° 0 | 2°28 | 3° 0 | 0°51 | 0°47 | 23°56 | 16°51 | T 16 |
| F 17 | 16 10 50 | 3°39'35 | 7♊45 | 9°53 | 15°36 | 26° 8 | 2°56 | 12°21 | 12°58 | 2°31 | 3° 1 | 0°R51 | 0°44 | 24° 2 | 16°55 | F 17 |
| S 18 | 16 14 46 | 4°37'01 | 22°52 | 10°45 | 16°14 | 26°50 | 3° 5 | 12°17 | 12°56 | 2°33 | 3° 3 | 0°51 | 0°41 | 24° 9 | 17° 0 | S 18 |
| S 19 | 16 18 43 | 5°34'27 | 7♋54 | 11°40 | 16°51 | 27°33 | 3°15 | 12°12 | 12°53 | 2°35 | 3° 4 | 0°51 | 0°38 | 24°16 | 17° 4 | S 19 |
| M20 | 16 22 40 | 6°31'51 | 22°44 | 12°38 | 17°26 | 28°15 | 3°25 | 12° 8 | 12°51 | 2°37 | 3° 5 | 0°50 | 0°34 | 24°22 | 17° 8 | M20 |
| T 21 | 16 26 36 | 7°29'14 | 7♌15 | 13°40 | 18° 1 | 28°57 | 3°34 | 12° 4 | 12°48 | 2°40 | 3° 7 | 0°50 | 0°31 | 24°29 | 17°12 | T 21 |
| W22 | 16 30 33 | 8°26'36 | 21°23 | 14°45 | 18°34 | 29°39 | 3°44 | 11°59 | 12°46 | 2°42 | 3° 8 | 0°49 | 0°28 | 24°36 | 17°17 | W22 |
| T 23 | 16 34 29 | 9°23'56 | 5♍ 7 | 15°54 | 19° 6 | 0♊21 | 3°54 | 11°55 | 12°43 | 2°44 | 3° 9 | 0°D49 | 0°25 | 24°42 | 17°21 | T 23 |
| F 24 | 16 38 26 | 10°21'16 | 18°27 | 17° 5 | 19°36 | 1° 3 | 4° 4 | 11°50 | 12°41 | 2°46 | 3°11 | 0°49 | 0°22 | 24°49 | 17°25 | F 24 |
| S 25 | 16 42 22 | 11°18'35 | 1♎25 | 18°20 | 20° 5 | 1°45 | 4°14 | 11°46 | 12°38 | 2°48 | 3°12 | 0°49 | 0°19 | 24°56 | 17°29 | S 25 |
| S 26 | 16 46 19 | 12°15'52 | 14° 5 | 19°38 | 20°32 | 2°26 | 4°24 | 11°42 | 12°36 | 2°51 | 3°14 | 0°50 | 0°15 | 25° 2 | 17°33 | S 26 |
| M27 | 16 50 15 | 13°13'09 | 26°28 | 20°59 | 20°58 | 3° 8 | 4°35 | 11°37 | 12°34 | 2°53 | 3°15 | 0°51 | 0°12 | 25° 9 | 17°37 | M27 |
| T 28 | 16 54 12 | 14°10'25 | 8♏39 | 22°24 | 21°22 | 3°50 | 4°45 | 11°33 | 12°31 | 2°55 | 3°16 | 0°52 | 0° 9 | 25°16 | 17°42 | T 28 |
| W29 | 16 58 9 | 15° 7'40 | 20°41 | 23°51 | 21°44 | 4°31 | 4°55 | 11°28 | 12°29 | 2°57 | 3°18 | 0°53 | 0° 6 | 25°22 | 17°46 | W29 |
| T 30 | 17 2 5 | 16° 4'55 | 2♐36 | 25°21 | 22° 4 | 5°13 | 5° 6 | 11°24 | 12°26 | 3° 0 | 3°19 | 0°R53 | 0° 3 | 25°29 | 17°50 | T 30 |
| F 31 | 17 6 2 | 17♊ 2'08 | 14♐27 | 26♉54 | 22♋23 | 5♊55 | 5♌17 | 11♐19 | 12♐24 | 3♊ 2 | 3♊20 | 0♐53 | 29♏59 | 25♐36 | 17♉54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n20 | 17s 2 | 1s44 | 11n19 | 2s13 | 26n52 | 3n24 | 16n16 | 0s 3 | 20n49 | 0n46 | 20s49 | 1n41 | 22s31 | 0s 1 | 19n 4 | 1s34 | 10n 7 | 10s50 | 20s23 | 20s33 | 21s28 | 14n25 | 2s17 |
| T 2 | 17 36 | 19 24 | 0 39 | 11 1 | 2 26 | 26 50 | 3 23 | 16 30 | 0 2 | 20 48 | 0 46 | 20 49 | 1 41 | 22 31 | 0 1 | 19 5 | 1 34 | 10 7 | 10 50 | 20 23 | 20 32 | 21 28 | 14 27 | 2 17 |
| F 3 | 17 52 | 20 53 | 0n27 | 10 46 | 2 38 | 26 48 | 3 22 | 16 43 | 0 2 | 20 46 | 0 46 | 20 48 | 1 41 | 22 31 | 0 1 | 19 5 | 1 34 | 10 8 | 10 50 | 20 23 | 20 31 | 21 27 | 14 28 | 2 17 |
| S 4 | 18 7 | 21 25 | 1 32 | 10 33 | 2 49 | 26 44 | 3 21 | 16 55 | 0 1 | 20 44 | 0 46 | 20 48 | 1 41 | 22 30 | 0 1 | 19 6 | 1 34 | 10 8 | 10 50 | 20 23 | 20 31 | 21 27 | 14 29 | 2 17 |
| S 5 | 18 22 | 20 59 | 2 32 | 10 22 | 2 59 | 26 41 | 3 20 | 17 8 | 0 0 | 20 42 | 0 46 | 20 47 | 1 41 | 22 30 | 0 1 | 19 6 | 1 34 | 10 8 | 10 50 | 20 23 | 20 30 | 21 26 | 14 30 | 2 18 |
| M 6 | 18 37 | 19 38 | 3 26 | 10 15 | 3 8 | 26 37 | 3 19 | 17 21 | 0n 0 | 20 40 | 0 46 | 20 47 | 1 41 | 22 30 | 0 1 | 19 7 | 1 34 | 10 9 | 10 50 | 20 23 | 20 29 | 21 26 | 14 31 | 2 18 |
| T 7 | 18 51 | 17 25 | 4 11 | 10 9 | 3 15 | 26 32 | 3 17 | 17 33 | 0 1 | 20 39 | 0 46 | 20 46 | 1 41 | 22 30 | 0 1 | 19 7 | 1 34 | 10 9 | 10 50 | 20 24 | 20 29 | 21 26 | 14 32 | 2 18 |
| W 8 | 19 5 | 14 26 | 4 46 | 10 6 | 3 22 | 26 27 | 3 15 | 17 46 | 0 1 | 20 37 | 0 46 | 20 46 | 1 41 | 22 29 | 0 1 | 19 7 | 1 34 | 10 9 | 10 50 | 20 24 | 20 28 | 21 25 | 14 33 | 2 18 |
| T 9 | 19 19 | 10 49 | 5 9 | 10 6 | 3 28 | 26 22 | 3 13 | 17 58 | 0 2 | 20 35 | 0 46 | 20 45 | 1 41 | 22 29 | 0 1 | 19 8 | 1 34 | 10 10 | 10 50 | 20 24 | 20 27 | 21 25 | 14 35 | 2 18 |
| F 10 | 19 32 | 6 39 | 5 18 | 10 8 | 3 32 | 26 16 | 3 11 | 18 9 | 0 3 | 20 33 | 0 46 | 20 45 | 1 41 | 22 29 | 0 1 | 19 8 | 1 34 | 10 10 | 10 50 | 20 24 | 20 27 | 21 24 | 14 36 | 2 18 |
| S 11 | 19 45 | 2 6 | 5 11 | 10 12 | 3 36 | 26 10 | 3 9 | 18 21 | 0 3 | 20 31 | 0 46 | 20 44 | 1 41 | 22 29 | 0 1 | 19 9 | 1 34 | 10 10 | 10 50 | 20 24 | 20 26 | 21 24 | 14 37 | 2 18 |
| S 12 | 19 58 | 2n42 | 4 48 | 10 18 | 3 39 | 26 3 | 3 6 | 18 33 | 0 4 | 20 29 | 0 46 | 20 44 | 1 41 | 22 28 | 0 1 | 19 9 | 1 34 | 10 11 | 10 50 | 20 24 | 20 25 | 21 23 | 14 38 | 2 18 |
| M13 | 20 11 | 7 32 | 4 9 | 10 27 | 3 40 | 25 56 | 3 3 | 18 44 | 0 5 | 20 27 | 0 46 | 20 43 | 1 41 | 22 28 | 0 1 | 19 10 | 1 34 | 10 11 | 10 49 | 20 24 | 20 25 | 21 23 | 14 39 | 2 18 |
| T 14 | 20 23 | 12 7 | 3 14 | 10 38 | 3 41 | 25 48 | 3 0 | 18 55 | 0 5 | 20 25 | 0 46 | 20 43 | 1 41 | 22 28 | 0 1 | 19 10 | 1 34 | 10 11 | 10 49 | 20 24 | 20 24 | 21 22 | 14 40 | 2 19 |
| W15 | 20 35 | 16 9 | 2 4 | 10 51 | 3 41 | 25 41 | 2 57 | 19 6 | 0 6 | 20 23 | 0 46 | 20 42 | 1 41 | 22 27 | 0 1 | 19 11 | 1 34 | 10 11 | 10 49 | 20 24 | 20 23 | 21 22 | 14 41 | 2 19 |
| T 16 | 20 46 | 19 14 | 0 45 | 11 6 | 3 40 | 25 32 | 2 53 | 19 17 | 0 7 | 20 20 | 0 46 | 20 42 | 1 40 | 22 27 | 0 1 | 19 11 | 1 34 | 10 12 | 10 49 | 20 24 | 20 23 | 21 21 | 14 42 | 2 19 |
| F 17 | 20 57 | 21 3 | 0s38 | 11 22 | 3 38 | 25 24 | 2 49 | 19 28 | 0 7 | 20 18 | 0 45 | 20 41 | 1 40 | 22 27 | 0 1 | 19 11 | 1 34 | 10 12 | 10 49 | 20 24 | 20 22 | 21 21 | 14 43 | 2 19 |
| S 18 | 21 8 | 21 20 | 1 59 | 11 41 | 3 36 | 25 15 | 2 45 | 19 38 | 0 8 | 20 16 | 0 45 | 20 41 | 1 40 | 22 27 | 0 1 | 19 12 | 1 34 | 10 12 | 10 49 | 20 24 | 20 22 | 21 20 | 14 45 | 2 19 |
| S 19 | 21 18 | 20 5 | 3 12 | 12 1 | 3 32 | 25 6 | 2 40 | 19 49 | 0 8 | 20 14 | 0 45 | 20 40 | 1 40 | 22 26 | 0 1 | 19 12 | 1 34 | 10 13 | 10 49 | 20 24 | 20 21 | 21 20 | 14 46 | 2 19 |
| M20 | 21 28 | 17 29 | 4 10 | 12 22 | 3 28 | 24 57 | 2 36 | 19 59 | 0 9 | 20 11 | 0 45 | 20 40 | 1 40 | 22 26 | 0 1 | 19 13 | 1 34 | 10 13 | 10 49 | 20 23 | 20 20 | 21 19 | 14 47 | 2 19 |
| T 21 | 21 38 | 13 49 | 4 51 | 12 45 | 3 24 | 24 47 | 2 30 | 20 9 | 0 10 | 20 9 | 0 45 | 20 39 | 1 40 | 22 26 | 0 1 | 19 13 | 1 34 | 10 13 | 10 49 | 20 23 | 20 20 | 21 18 | 14 48 | 2 19 |
| W22 | 21 47 | 9 28 | 5 13 | 13 9 | 3 18 | 24 37 | 2 25 | 20 18 | 0 10 | 20 7 | 0 45 | 20 39 | 1 40 | 22 25 | 0 1 | 19 14 | 1 34 | 10 13 | 10 49 | 20 23 | 20 19 | 21 18 | 14 49 | 2 20 |
| T 23 | 21 56 | 4 45 | 5 17 | 13 35 | 3 12 | 24 27 | 2 19 | 20 28 | 0 11 | 20 4 | 0 45 | 20 38 | 1 40 | 22 25 | 0 1 | 19 14 | 1 34 | 10 14 | 10 49 | 20 23 | 20 18 | 21 17 | 14 50 | 2 20 |
| F 24 | 22 4 | 0s 4 | 5 3 | 14 2 | 3 5 | 24 17 | 2 14 | 20 37 | 0 12 | 20 2 | 0 45 | 20 38 | 1 40 | 22 25 | 0 1 | 19 15 | 1 34 | 10 14 | 10 49 | 20 23 | 20 18 | 21 17 | 14 51 | 2 20 |
| S 25 | 22 12 | 4 45 | 4 33 | 14 29 | 2 58 | 24 6 | 2 7 | 20 46 | 0 12 | 20 0 | 0 45 | 20 37 | 1 40 | 22 24 | 0 1 | 19 15 | 1 34 | 10 14 | 10 49 | 20 23 | 20 17 | 21 16 | 14 52 | 2 20 |
| S 26 | 22 20 | 9 7 | 3 52 | 14 58 | 2 50 | 23 56 | 2 1 | 20 55 | 0 13 | 19 57 | 0 45 | 20 37 | 1 40 | 22 24 | 0 1 | 19 15 | 1 34 | 10 14 | 10 49 | 20 23 | 20 16 | 21 16 | 14 53 | 2 20 |
| M27 | 22 28 | 13 2 | 3 0 | 15 27 | 2 42 | 23 45 | 1 54 | 21 4 | 0 13 | 19 55 | 0 45 | 20 36 | 1 40 | 22 24 | 0 1 | 19 16 | 1 34 | 10 15 | 10 49 | 20 24 | 20 16 | 21 15 | 14 54 | 2 20 |
| T 28 | 22 34 | 16 20 | 2 0 | 15 57 | 2 33 | 23 34 | 1 46 | 21 13 | 0 14 | 19 52 | 0 45 | 20 36 | 1 40 | 22 23 | 0 1 | 19 16 | 1 34 | 10 15 | 10 49 | 20 24 | 20 15 | 21 15 | 14 55 | 2 21 |
| W29 | 22 41 | 18 53 | 0 56 | 16 28 | 2 24 | 23 23 | 1 39 | 21 21 | 0 15 | 19 50 | 0 45 | 20 35 | 1 40 | 22 23 | 0 1 | 19 17 | 1 34 | 10 15 | 10 49 | 20 24 | 20 14 | 21 14 | 14 56 | 2 21 |
| T 30 | 22 47 | 20 36 | 0n 9 | 16 59 | 2 14 | 23 12 | 1 31 | 21 29 | 0 15 | 19 47 | 0 45 | 20 34 | 1 40 | 22 23 | 0 1 | 19 17 | 1 34 | 10 15 | 10 49 | 20 24 | 20 13 | 21 13 | 14 57 | 2 21 |
| F 31 | 22n53 | 21s22 | 1n14 | 17n31 | 2s 4 | 23n 0 | 1n22 | 21n37 | 0n16 | 19n44 | 0n45 | 20s34 | 1n40 | 22s23 | 0s 1 | 19n17 | 1s34 | 10n16 | 10s49 | 20s24 | 20s13 | 21s13 | 14n58 | 2s21 |

Julian Day Number = 2231797.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'50, Lahiri = 15°27'50 Julian Calendar 1 May 1398 == Greg. Calendar 9 May 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## JUNE 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 58 | 17♊59'22 | 26♐15 | 28♉30 | 22♋40 | 6♊36 | 5♌27 | 11°R15 | 12°R21 | 3♊ 4 | 3♊22 | 0°R52 | 29♏56 | 25♐42 | 17♉58 | S 1 |
| S 2 | 17 13 55 | 18°56'35 | 8♉ 5 | 0♊10 | 22°54 | 7°18 | 5°38 | 11♐11 | 12♐19 | 3° 6 | 3°23 | 0♐49 | 29°53 | 25°49 | 18° 2 | S 2 |
| M 3 | 17 17 51 | 19°53'47 | 19°56 | 1°52 | 23° 7 | 7°59 | 5°49 | 11° 6 | 12°16 | 3° 8 | 3°24 | 0°47 | 29°50 | 25°56 | 18° 6 | M 3 |
| T 4 | 17 21 48 | 20°50'59 | 1♒53 | 3°37 | 23°18 | 8°40 | 6° 0 | 11° 2 | 12°14 | 3°10 | 3°26 | 0°44 | 29°47 | 26° 2 | 18°10 | T 4 |
| W 5 | 17 25 44 | 21°48'11 | 13°57 | 5°24 | 23°26 | 9°22 | 6°11 | 10°58 | 12°12 | 3°13 | 3°27 | 0°41 | 29°44 | 26° 9 | 18°13 | W 5 |
| T 6 | 17 29 41 | 22°45'23 | 26°11 | 7°15 | 23°33 | 10° 3 | 6°22 | 10°53 | 12° 9 | 3°15 | 3°28 | 0°38 | 29°40 | 26°16 | 18°17 | T 6 |
| F 7 | 17 33 38 | 23°42'35 | 8♓40 | 9° 8 | 23°37 | 10°44 | 6°33 | 10°49 | 12° 7 | 3°17 | 3°30 | 0°36 | 29°37 | 26°22 | 18°21 | F 7 |
| S 8 | 17 37 34 | 24°39'46 | 21°26 | 11° 3 | 23°R39 | 11°25 | 6°44 | 10°45 | 12° 4 | 3°19 | 3°31 | 0°D35 | 29°34 | 26°29 | 18°25 | S 8 |
| S 9 | 17 41 31 | 25°36'58 | 4♈32 | 13° 2 | 23°38 | 12° 6 | 6°55 | 10°41 | 12° 2 | 3°21 | 3°32 | 0°35 | 29°31 | 26°36 | 18°29 | S 9 |
| M10 | 17 45 27 | 26°34'09 | 18° 3 | 15° 2 | 23°35 | 12°47 | 7° 7 | 10°37 | 12° 0 | 3°23 | 3°33 | 0°37 | 29°28 | 26°42 | 18°32 | M10 |
| T 11 | 17 49 24 | 27°31'21 | 1♉58 | 17° 4 | 23°30 | 13°28 | 7°18 | 10°32 | 11°57 | 3°25 | 3°35 | 0°38 | 29°25 | 26°49 | 18°36 | T 11 |
| W12 | 17 53 20 | 28°28'33 | 16°19 | 19° 9 | 23°23 | 14° 9 | 7°30 | 10°28 | 11°55 | 3°27 | 3°36 | 0°39 | 29°21 | 26°56 | 18°40 | W12 |
| T 13 | 17 57 17 | 29°25'45 | 1♊ 3 | 21°15 | 23°13 | 14°50 | 7°41 | 10°24 | 11°53 | 3°29 | 3°37 | 0°R40 | 29°18 | 27° 2 | 18°43 | T 13 |
| F 14 | 18 1 13 | 0♋22'57 | 16° 5 | 23°22 | 23° 1 | 15°31 | 7°53 | 10°20 | 11°50 | 3°32 | 3°39 | 0°39 | 29°15 | 27° 9 | 18°47 | F 14 |
| S 15 | 18 5 10 | 1°20'09 | 1♋17 | 25°31 | 22°46 | 16°12 | 8° 4 | 10°16 | 11°48 | 3°34 | 3°40 | 0°37 | 29°12 | 27°16 | 18°51 | S 15 |
| S 16 | 18 9 7 | 2°17'21 | 16°29 | 27°40 | 22°29 | 16°53 | 8°16 | 10°12 | 11°46 | 3°36 | 3°41 | 0°33 | 29° 9 | 27°22 | 18°54 | S 16 |
| M17 | 18 13 3 | 3°14'33 | 1♌31 | 29°50 | 22°10 | 17°34 | 8°28 | 10° 8 | 11°44 | 3°38 | 3°42 | 0°29 | 29° 6 | 27°29 | 18°58 | M17 |
| T 18 | 18 17 0 | 4°11'45 | 16°16 | 2♍ 1 | 21°49 | 18°14 | 8°40 | 10° 5 | 11°41 | 3°40 | 3°43 | 0°24 | 29° 2 | 27°36 | 19° 1 | T 18 |
| W19 | 18 20 56 | 5° 8'56 | 0♍35 | 4°11 | 21°25 | 18°55 | 8°52 | 10° 1 | 11°39 | 3°42 | 3°45 | 0°20 | 28°59 | 27°42 | 19° 5 | W19 |
| T 20 | 18 24 53 | 6° 6'08 | 14°27 | 6°21 | 20°59 | 19°36 | 9° 4 | 9°57 | 11°37 | 3°44 | 3°46 | 0°17 | 28°56 | 27°49 | 19° 8 | T 20 |
| F 21 | 18 28 49 | 7° 3'19 | 27°51 | 8°30 | 20°32 | 20°16 | 9°16 | 9°53 | 11°35 | 3°46 | 3°47 | 0°15 | 28°53 | 27°56 | 19°11 | F 21 |
| S 22 | 18 32 46 | 8° 0'30 | 10♎48 | 10°39 | 20° 2 | 20°57 | 9°28 | 9°50 | 11°33 | 3°47 | 3°48 | 0°D15 | 28°50 | 28° 2 | 19°15 | S 22 |
| S 23 | 18 36 43 | 8°57'41 | 23°24 | 12°47 | 19°31 | 21°37 | 9°40 | 9°46 | 11°31 | 3°49 | 3°49 | 0°16 | 28°46 | 28° 9 | 19°18 | S 23 |
| M24 | 18 40 39 | 9°54'52 | 5♏41 | 14°53 | 18°58 | 22°17 | 9°52 | 9°43 | 11°29 | 3°51 | 3°51 | 0°17 | 28°43 | 28°16 | 19°21 | M24 |
| T 25 | 18 44 36 | 10°52'03 | 17°45 | 16°59 | 18°24 | 22°58 | 10° 4 | 9°39 | 11°27 | 3°53 | 3°52 | 0°18 | 28°40 | 28°22 | 19°24 | T 25 |
| W26 | 18 48 32 | 11°49'14 | 29°39 | 19° 3 | 17°49 | 23°38 | 10°16 | 9°36 | 11°25 | 3°55 | 3°53 | 0°R19 | 28°37 | 28°29 | 19°27 | W26 |
| T 27 | 18 52 29 | 12°46'25 | 11♐29 | 21° 5 | 17°13 | 24°18 | 10°28 | 9°32 | 11°23 | 3°57 | 3°54 | 0°18 | 28°34 | 28°36 | 19°30 | T 27 |
| F 28 | 18 56 25 | 13°43'37 | 23°17 | 23° 6 | 16°36 | 24°59 | 10°41 | 9°29 | 11°21 | 3°59 | 3°55 | 0°16 | 28°31 | 28°42 | 19°33 | F 28 |
| S 29 | 19 0 22 | 14°40'48 | 5♉ 6 | 25° 5 | 15°59 | 25°39 | 10°53 | 9°26 | 11°19 | 4° 1 | 3°56 | 0°11 | 28°27 | 28°49 | 19°36 | S 29 |
| S 30 | 19 4 18 | 15♋38'00 | 16♉59 | 27♋ 2 | 15♋21 | 26♊19 | 11♌ 6 | 9♐23 | 11♐17 | 4♊ 2 | 3♊57 | 0♐ 5 | 28♏24 | 28♐56 | 19♉39 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n58 | 21s12 | 2n16 | 18n 2 | 1s54 | 22n49 | 1n14 | 21n45 | 0n16 | 19n42 | 0n45 | 20s33 | 1n39 | 22s22 | 0s 1 | 19n18 | 1s34 | 10n16 | 10s49 | 20s24 | 20s12 | 21s12 | 14n59 | 2s21 |
| S 2 | 23 3 | 20 5 | 3 11 | 18 34 | 1 43 | 22 38 | 1 5 | 21 53 | 0 17 | 19 39 | 0 45 | 20 33 | 1 39 | 22 22 | 0 1 | 19 18 | 1 34 | 10 16 | 10 49 | 20 23 | 20 11 | 21 12 | 15 0 | 2 21 |
| M 3 | 23 8 | 18 6 | 3 59 | 19 6 | 1 32 | 22 26 | 0 55 | 22 0 | 0 18 | 19 37 | 0 45 | 20 32 | 1 39 | 22 22 | 0 1 | 19 19 | 1 34 | 10 16 | 10 49 | 20 23 | 20 11 | 21 11 | 15 1 | 2 21 |
| T 4 | 23 12 | 15 19 | 4 36 | 19 37 | 1 21 | 22 15 | 0 45 | 22 7 | 0 18 | 19 34 | 0 45 | 20 32 | 1 39 | 22 21 | 0 1 | 19 19 | 1 34 | 10 16 | 10 49 | 20 22 | 20 10 | 21 11 | 15 1 | 2 22 |
| W 5 | 23 16 | 11 53 | 5 2 | 20 8 | 1 9 | 22 3 | 0 35 | 22 14 | 0 19 | 19 31 | 0 45 | 20 31 | 1 39 | 22 21 | 0 1 | 19 20 | 1 34 | 10 17 | 10 49 | 20 21 | 20 9 | 21 10 | 15 2 | 2 22 |
| T 6 | 23 19 | 7 54 | 5 14 | 20 38 | 0 58 | 21 52 | 0 25 | 22 21 | 0 20 | 19 28 | 0 45 | 20 31 | 1 39 | 22 21 | 0 1 | 19 20 | 1 34 | 10 17 | 10 49 | 20 21 | 20 9 | 21 9 | 15 3 | 2 22 |
| F 7 | 23 22 | 3 32 | 5 12 | 21 8 | 0 46 | 21 40 | 0 14 | 22 28 | 0 20 | 19 25 | 0 45 | 20 30 | 1 39 | 22 20 | 0 1 | 19 20 | 1 34 | 10 17 | 10 49 | 20 21 | 20 8 | 21 9 | 15 4 | 2 22 |
| S 8 | 23 24 | 1n 6 | 4 54 | 21 36 | 0 35 | 21 29 | 0 2 | 22 34 | 0 21 | 19 23 | 0 45 | 20 30 | 1 39 | 22 20 | 0 1 | 19 21 | 1 34 | 10 17 | 10 49 | 20 20 | 20 7 | 21 8 | 15 5 | 2 22 |
| S 9 | 23 27 | 5 48 | 4 21 | 22 3 | 0 23 | 21 17 | 0s 9 | 22 40 | 0 21 | 19 20 | 0 45 | 20 30 | 1 39 | 22 20 | 0 1 | 19 21 | 1 34 | 10 17 | 10 49 | 20 20 | 20 7 | 21 8 | 15 6 | 2 23 |
| M10 | 23 28 | 10 23 | 3 33 | 22 29 | 0 12 | 21 6 | 0 21 | 22 46 | 0 22 | 19 17 | 0 45 | 20 29 | 1 39 | 22 19 | 0 1 | 19 21 | 1 34 | 10 18 | 10 49 | 20 21 | 20 6 | 21 7 | 15 7 | 2 23 |
| T 11 | 23 30 | 14 34 | 2 31 | 22 53 | 0 0 | 20 55 | 0 34 | 22 52 | 0 23 | 19 14 | 0 45 | 20 29 | 1 38 | 22 19 | 0 1 | 19 22 | 1 34 | 10 18 | 10 50 | 20 21 | 20 5 | 21 6 | 15 8 | 2 23 |
| W12 | 23 30 | 18 1 | 1 18 | 23 15 | 0n11 | 20 44 | 0 46 | 22 57 | 0 23 | 19 11 | 0 45 | 20 28 | 1 38 | 22 19 | 0 1 | 19 22 | 1 34 | 10 18 | 10 50 | 20 21 | 20 5 | 21 6 | 15 8 | 2 23 |
| T 13 | 23 31 | 20 24 | 0s 2 | 23 35 | 0 21 | 20 32 | 0 59 | 23 3 | 0 24 | 19 8 | 0 45 | 20 28 | 1 38 | 22 19 | 0 1 | 19 23 | 1 34 | 10 18 | 10 50 | 20 21 | 20 4 | 21 5 | 15 9 | 2 23 |
| F 14 | 23 31 | 21 24 | 1 24 | 23 53 | 0 32 | 20 21 | 1 12 | 23 8 | 0 24 | 19 5 | 0 45 | 20 27 | 1 38 | 22 18 | 0 2 | 19 23 | 1 34 | 10 18 | 10 50 | 20 21 | 20 3 | 21 4 | 15 10 | 2 23 |
| S 15 | 23 31 | 20 51 | 2 40 | 24 8 | 0 42 | 20 11 | 1 26 | 23 13 | 0 25 | 19 2 | 0 45 | 20 27 | 1 38 | 22 18 | 0 2 | 19 23 | 1 34 | 10 18 | 10 50 | 20 21 | 20 3 | 21 4 | 15 11 | 2 24 |
| S 16 | 23 30 | 18 46 | 3 45 | 24 21 | 0 51 | 20 0 | 1 40 | 23 17 | 0 26 | 18 59 | 0 45 | 20 26 | 1 38 | 22 18 | 0 2 | 19 24 | 1 34 | 10 19 | 10 50 | 20 20 | 20 2 | 21 3 | 15 12 | 2 24 |
| M17 | 23 29 | 15 26 | 4 33 | 24 31 | 1 0 | 19 49 | 1 53 | 23 22 | 0 26 | 18 56 | 0 45 | 20 26 | 1 38 | 22 17 | 0 2 | 19 24 | 1 34 | 10 19 | 10 50 | 20 19 | 20 1 | 21 2 | 15 12 | 2 24 |
| T 18 | 23 27 | 11 12 | 5 3 | 24 38 | 1 8 | 19 39 | 2 8 | 23 26 | 0 27 | 18 53 | 0 45 | 20 25 | 1 37 | 22 17 | 0 2 | 19 24 | 1 34 | 10 19 | 10 50 | 20 18 | 20 0 | 21 2 | 15 13 | 2 24 |
| W19 | 23 25 | 6 26 | 5 12 | 24 42 | 1 15 | 19 28 | 2 22 | 23 30 | 0 27 | 18 50 | 0 45 | 20 25 | 1 37 | 22 17 | 0 2 | 19 25 | 1 34 | 10 19 | 10 50 | 20 17 | 20 0 | 21 1 | 15 14 | 2 24 |
| T 20 | 23 22 | 1 29 | 5 3 | 24 44 | 1 22 | 19 18 | 2 36 | 23 34 | 0 28 | 18 47 | 0 45 | 20 25 | 1 37 | 22 17 | 0 2 | 19 25 | 1 34 | 10 19 | 10 50 | 20 16 | 19 59 | 21 0 | 15 15 | 2 25 |
| F 21 | 23 20 | 3s22 | 4 37 | 24 43 | 1 28 | 19 8 | 2 50 | 23 38 | 0 29 | 18 43 | 0 45 | 20 24 | 1 37 | 22 16 | 0 2 | 19 25 | 1 34 | 10 19 | 10 50 | 20 16 | 19 58 | 21 0 | 15 15 | 2 25 |
| S 22 | 23 16 | 7 56 | 3 58 | 24 39 | 1 34 | 18 59 | 3 4 | 23 41 | 0 29 | 18 40 | 0 45 | 20 24 | 1 37 | 22 16 | 0 2 | 19 26 | 1 34 | 10 19 | 10 50 | 20 16 | 19 58 | 20 59 | 15 16 | 2 25 |
| S 23 | 23 13 | 12 1 | 3 8 | 24 32 | 1 38 | 18 49 | 3 18 | 23 45 | 0 30 | 18 37 | 0 45 | 20 24 | 1 37 | 22 16 | 0 2 | 19 26 | 1 35 | 10 20 | 10 50 | 20 16 | 19 57 | 20 58 | 15 17 | 2 25 |
| M24 | 23 9 | 15 30 | 2 10 | 24 22 | 1 42 | 18 40 | 3 32 | 23 48 | 0 30 | 18 34 | 0 45 | 20 23 | 1 37 | 22 15 | 0 2 | 19 26 | 1 35 | 10 20 | 10 51 | 20 17 | 19 56 | 20 58 | 15 17 | 2 25 |
| T 25 | 23 4 | 18 16 | 1 8 | 24 10 | 1 45 | 18 31 | 3 46 | 23 51 | 0 31 | 18 30 | 0 45 | 20 23 | 1 36 | 22 15 | 0 2 | 19 27 | 1 35 | 10 20 | 10 51 | 20 17 | 19 56 | 20 57 | 15 18 | 2 26 |
| W26 | 22 59 | 20 12 | 0 4 | 23 56 | 1 48 | 18 22 | 4 0 | 23 53 | 0 31 | 18 27 | 0 45 | 20 22 | 1 36 | 22 15 | 0 2 | 19 27 | 1 35 | 10 20 | 10 51 | 20 17 | 19 55 | 20 56 | 15 19 | 2 26 |
| T 27 | 22 54 | 21 14 | 1n 0 | 23 39 | 1 49 | 18 14 | 4 13 | 23 56 | 0 32 | 18 24 | 0 45 | 20 22 | 1 36 | 22 15 | 0 2 | 19 27 | 1 35 | 10 20 | 10 51 | 20 17 | 19 54 | 20 56 | 15 19 | 2 26 |
| F 28 | 22 48 | 21 20 | 2 1 | 23 21 | 1 50 | 18 5 | 4 25 | 23 58 | 0 33 | 18 20 | 0 45 | 20 22 | 1 36 | 22 14 | 0 2 | 19 28 | 1 35 | 10 20 | 10 51 | 20 16 | 19 53 | 20 55 | 15 20 | 2 26 |
| S 29 | 22 42 | 20 28 | 2 57 | 23 0 | 1 50 | 17 57 | 4 38 | 24 0 | 0 33 | 18 17 | 0 45 | 20 21 | 1 36 | 22 14 | 0 2 | 19 28 | 1 35 | 10 20 | 10 51 | 20 15 | 19 53 | 20 54 | 15 20 | 2 27 |
| S 30 | 22n36 | 18s42 | 3n45 | 22n37 | 1n50 | 17n50 | 4s50 | 24n 2 | 0n34 | 18n14 | 0n45 | 20s21 | 1n36 | 22s14 | 0s 2 | 19n28 | 1s35 | 10n20 | 10s51 | 20s14 | 19s52 | 20s54 | 15n21 | 2s27 |

Julian Day Number = 2231828.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'54, Lahiri = 15°27'55 Julian Calendar 1 June 1398 == Greg. Calendar 9 June 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## JULY 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 8 15 | 16♋35'13 | 28♉57 | 28♋58 | 14°R44 | 26♊59 | 11♌18 | 9°R20 | 11°R15 | 4♊ 4 | 3♊58 | 29°R57 | 28♏21 | 29♐ 2 | 19♑42 | M 1 |
| T 2 | 19 12 12 | 17°32'26 | 11♒ 1 | 0♌52 | 14♋ 6 | 27°39 | 11°30 | 9♐17 | 11♐13 | 4° 6 | 3°59 | 29♏48 | 28°18 | 29° 9 | 19°45 | T 2 |
| W 3 | 19 16 8 | 18°29'40 | 23°15 | 2°44 | 13°30 | 28°19 | 11°43 | 9°14 | 11°11 | 4° 8 | 4° 0 | 29°40 | 28°15 | 29°16 | 19°48 | W 3 |
| T 4 | 19 20 5 | 19°26'54 | 5♓38 | 4°34 | 12°54 | 28°59 | 11°56 | 9°11 | 11°10 | 4° 9 | 4° 1 | 29°32 | 28°12 | 29°22 | 19°51 | T 4 |
| F 5 | 19 24 1 | 20°24'09 | 18°13 | 6°23 | 12°19 | 29°39 | 12° 8 | 9° 8 | 11° 8 | 4°11 | 4° 2 | 29°26 | 28° 8 | 29°29 | 19°54 | F 5 |
| S 6 | 19 27 58 | 21°21'25 | 1♈ 2 | 8°10 | 11°45 | 0♋19 | 12°21 | 9° 6 | 11° 6 | 4°13 | 4° 3 | 29°22 | 28° 5 | 29°36 | 19°56 | S 6 |
| S 7 | 19 31 54 | 22°18'42 | 14° 7 | 9°55 | 11°12 | 0°59 | 12°33 | 9° 3 | 11° 4 | 4°14 | 4° 4 | 29°20 | 28° 2 | 29°42 | 19°59 | S 7 |
| M 8 | 19 35 51 | 23°15'59 | 27°32 | 11°38 | 10°41 | 1°38 | 12°46 | 9° 0 | 11° 3 | 4°16 | 4° 5 | 29°D20 | 27°59 | 29°49 | 20° 1 | M 8 |
| T 9 | 19 39 47 | 24°13'18 | 11♉18 | 13°19 | 10°12 | 2°18 | 12°59 | 8°58 | 11° 1 | 4°17 | 4° 6 | 29°20 | 27°56 | 29°56 | 20° 4 | T 9 |
| W10 | 19 43 44 | 25°10'38 | 25°26 | 14°59 | 9°45 | 2°58 | 13°12 | 8°55 | 11° 0 | 4°19 | 4° 7 | 29°R21 | 27°52 | 0♑ 2 | 20° 6 | W10 |
| T 11 | 19 47 41 | 26° 7'59 | 9♊56 | 16°37 | 9°20 | 3°37 | 13°24 | 8°53 | 10°58 | 4°21 | 4° 8 | 29°21 | 27°49 | 0° 9 | 20° 9 | T 11 |
| F 12 | 19 51 37 | 27° 5'21 | 24°45 | 18°13 | 8°57 | 4°17 | 13°37 | 8°51 | 10°57 | 4°22 | 4° 9 | 29°18 | 27°46 | 0°16 | 20°11 | F 12 |
| S 13 | 19 55 34 | 28° 2'44 | 9♋47 | 19°48 | 8°35 | 4°57 | 13°50 | 8°49 | 10°55 | 4°24 | 4°10 | 29°14 | 27°43 | 0°22 | 20°13 | S 13 |
| S 14 | 19 59 30 | 29° 0'08 | 24°53 | 21°20 | 8°17 | 5°36 | 14° 3 | 8°47 | 10°54 | 4°25 | 4°11 | 29° 7 | 27°40 | 0°29 | 20°16 | S 14 |
| M15 | 20 3 27 | 29°57'33 | 9♌54 | 22°51 | 8° 0 | 6°16 | 14°16 | 8°45 | 10°53 | 4°27 | 4°12 | 28°58 | 27°37 | 0°36 | 20°18 | M15 |
| T 16 | 20 7 23 | 0♌54'59 | 24°41 | 24°21 | 7°46 | 6°55 | 14°29 | 8°43 | 10°51 | 4°28 | 4°12 | 28°49 | 27°33 | 0°42 | 20°20 | T 16 |
| W17 | 20 11 20 | 1°52'25 | 9♍ 5 | 25°48 | 7°34 | 7°34 | 14°42 | 8°41 | 10°50 | 4°29 | 4°13 | 28°40 | 27°30 | 0°49 | 20°22 | W17 |
| T 18 | 20 15 16 | 2°49'52 | 23° 3 | 27°13 | 7°25 | 8°14 | 14°54 | 8°39 | 10°49 | 4°31 | 4°14 | 28°33 | 27°27 | 0°56 | 20°24 | T 18 |
| F 19 | 20 19 13 | 3°47'20 | 6♎31 | 28°37 | 7°18 | 8°53 | 15° 7 | 8°38 | 10°48 | 4°32 | 4°15 | 28°27 | 27°24 | 1° 2 | 20°26 | F 19 |
| S 20 | 20 23 10 | 4°44'49 | 19°32 | 29°59 | 7°13 | 9°32 | 15°20 | 8°36 | 10°47 | 4°33 | 4°16 | 28°24 | 27°21 | 1° 9 | 20°28 | S 20 |
| S 21 | 20 27 6 | 5°42'18 | 2♏ 8 | 1♍19 | 7°D11 | 10°12 | 15°33 | 8°35 | 10°46 | 4°35 | 4°16 | 28°D23 | 27°17 | 1°16 | 20°30 | S 21 |
| M22 | 20 31 3 | 6°39'49 | 14°25 | 2°37 | 7°11 | 10°51 | 15°46 | 8°34 | 10°45 | 4°36 | 4°17 | 28°23 | 27°14 | 1°22 | 20°32 | M22 |
| T 23 | 20 34 59 | 7°37'20 | 26°27 | 3°53 | 7°13 | 11°30 | 15°59 | 8°32 | 10°44 | 4°37 | 4°18 | 28°R24 | 27°11 | 1°29 | 20°33 | T 23 |
| W24 | 20 38 56 | 8°34'52 | 8♐19 | 5° 7 | 7°18 | 12° 9 | 16°12 | 8°31 | 10°43 | 4°38 | 4°19 | 28°23 | 27° 8 | 1°36 | 20°35 | W24 |
| T 25 | 20 42 52 | 9°32'25 | 20° 8 | 6°19 | 7°25 | 12°48 | 16°25 | 8°30 | 10°42 | 4°40 | 4°19 | 28°21 | 27° 5 | 1°42 | 20°37 | T 25 |
| F 26 | 20 46 49 | 10°29'59 | 1♑56 | 7°28 | 7°34 | 13°27 | 16°39 | 8°29 | 10°41 | 4°41 | 4°20 | 28°17 | 27° 2 | 1°49 | 20°38 | F 26 |
| S 27 | 20 50 45 | 11°27'34 | 13°48 | 8°36 | 7°45 | 14° 6 | 16°52 | 8°28 | 10°40 | 4°42 | 4°21 | 28° 9 | 26°58 | 1°56 | 20°40 | S 27 |
| S 28 | 20 54 42 | 12°25'10 | 25°47 | 9°41 | 7°58 | 14°45 | 17° 5 | 8°27 | 10°39 | 4°43 | 4°21 | 28° 0 | 26°55 | 2° 2 | 20°41 | S 28 |
| M29 | 20 58 39 | 13°22'48 | 7♒54 | 10°43 | 8°13 | 15°24 | 17°18 | 8°27 | 10°39 | 4°44 | 4°22 | 27°48 | 26°52 | 2° 9 | 20°43 | M29 |
| T 30 | 21 2 35 | 14°20'27 | 20°11 | 11°43 | 8°30 | 16° 2 | 17°31 | 8°26 | 10°38 | 4°45 | 4°22 | 27°35 | 26°49 | 2°16 | 20°44 | T 30 |
| W31 | 21 6 32 | 15♌18'07 | 2♓38 | 12♍40 | 8♋49 | 16♋41 | 17♌44 | 8♐26 | 10♐37 | 4♊46 | 4♊23 | 27♏22 | 26♏46 | 2♑22 | 20♑45 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n29 | 16s 8 | 4n24 | 22n13 | 1n49 | 17n43 | 5s 1 | 24n 3 | 0n34 | 18n10 | 0n45 | 20s21 | 1n35 | 22s14 | 0s 2 | 19n29 | 1s35 | 10n20 | 10s51 | 20s12 | 19s51 | 20s53 | 15n21 | 2s27 |
| T 2 | 22 22 | 12 51 | 4 51 | 21 46 | 1 47 | 17 36 | 5 12 | 24 5 | 0 35 | 18 7 | 0 45 | 20 21 | 1 35 | 22 13 | 0 2 | 19 29 | 1 35 | 10 20 | 10 51 | 20 10 | 19 51 | 20 52 | 15 22 | 2 27 |
| W 3 | 22 14 | 9 0 | 5 5 | 21 19 | 1 45 | 17 29 | 5 22 | 24 6 | 0 36 | 18 3 | 0 45 | 20 20 | 1 35 | 22 13 | 0 2 | 19 29 | 1 35 | 10 20 | 10 52 | 20 9 | 19 50 | 20 51 | 15 23 | 2 27 |
| T 4 | 22 6 | 4 44 | 5 5 | 20 50 | 1 42 | 17 23 | 5 31 | 24 7 | 0 36 | 18 0 | 0 45 | 20 20 | 1 35 | 22 13 | 0 2 | 19 30 | 1 35 | 10 20 | 10 52 | 20 7 | 19 49 | 20 51 | 15 23 | 2 28 |
| F 5 | 21 58 | 0 13 | 4 51 | 20 20 | 1 39 | 17 18 | 5 40 | 24 8 | 0 37 | 17 56 | 0 46 | 20 20 | 1 35 | 22 13 | 0 2 | 19 30 | 1 35 | 10 20 | 10 52 | 20 6 | 19 49 | 20 50 | 15 24 | 2 28 |
| S 6 | 21 49 | 4n25 | 4 22 | 19 49 | 1 35 | 17 13 | 5 48 | 24 8 | 0 37 | 17 53 | 0 46 | 20 20 | 1 35 | 22 12 | 0 2 | 19 30 | 1 35 | 10 21 | 10 52 | 20 5 | 19 48 | 20 49 | 15 24 | 2 28 |
| S 7 | 21 40 | 8 56 | 3 39 | 19 17 | 1 31 | 17 8 | 5 56 | 24 9 | 0 38 | 17 49 | 0 46 | 20 19 | 1 34 | 22 12 | 0 2 | 19 30 | 1 35 | 10 21 | 10 52 | 20 4 | 19 47 | 20 49 | 15 25 | 2 28 |
| M 8 | 21 30 | 13 9 | 2 42 | 18 43 | 1 26 | 17 4 | 6 3 | 24 9 | 0 38 | 17 46 | 0 46 | 20 19 | 1 34 | 22 12 | 0 2 | 19 31 | 1 35 | 10 21 | 10 52 | 20 4 | 19 46 | 20 48 | 15 25 | 2 29 |
| T 9 | 21 20 | 16 47 | 1 35 | 18 9 | 1 20 | 17 0 | 6 9 | 24 9 | 0 39 | 17 42 | 0 46 | 20 19 | 1 34 | 22 12 | 0 2 | 19 31 | 1 35 | 10 21 | 10 52 | 20 4 | 19 46 | 20 47 | 15 25 | 2 29 |
| W10 | 21 10 | 19 31 | 0 21 | 17 35 | 1 15 | 16 56 | 6 14 | 24 8 | 0 40 | 17 38 | 0 46 | 20 19 | 1 34 | 22 12 | 0 2 | 19 31 | 1 35 | 10 21 | 10 52 | 20 5 | 19 45 | 20 46 | 15 26 | 2 29 |
| T 11 | 20 59 | 21 5 | 0s57 | 17 0 | 1 8 | 16 53 | 6 19 | 24 8 | 0 40 | 17 35 | 0 46 | 20 19 | 1 34 | 22 11 | 0 2 | 19 31 | 1 35 | 10 21 | 10 53 | 20 4 | 19 44 | 20 46 | 15 26 | 2 29 |
| F 12 | 20 48 | 21 13 | 2 12 | 16 24 | 1 2 | 16 51 | 6 23 | 24 7 | 0 41 | 17 31 | 0 46 | 20 19 | 1 33 | 22 11 | 0 2 | 19 32 | 1 35 | 10 21 | 10 53 | 20 4 | 19 44 | 20 45 | 15 27 | 2 30 |
| S 13 | 20 37 | 19 51 | 3 19 | 15 48 | 0 55 | 16 49 | 6 26 | 24 7 | 0 41 | 17 28 | 0 46 | 20 18 | 1 33 | 22 11 | 0 2 | 19 32 | 1 35 | 10 21 | 10 53 | 20 3 | 19 43 | 20 44 | 15 27 | 2 30 |
| S 14 | 20 25 | 17 5 | 4 12 | 15 11 | 0 48 | 16 48 | 6 29 | 24 6 | 0 42 | 17 24 | 0 46 | 20 18 | 1 33 | 22 11 | 0 2 | 19 32 | 1 35 | 10 21 | 10 53 | 20 1 | 19 42 | 20 43 | 15 27 | 2 30 |
| M15 | 20 13 | 13 12 | 4 48 | 14 34 | 0 40 | 16 47 | 6 31 | 24 4 | 0 42 | 17 20 | 0 46 | 20 18 | 1 33 | 22 11 | 0 2 | 19 32 | 1 35 | 10 21 | 10 53 | 20 0 | 19 41 | 20 42 | 15 28 | 2 30 |
| T 16 | 20 1 | 8 34 | 5 3 | 13 57 | 0 32 | 16 46 | 6 32 | 24 3 | 0 43 | 17 16 | 0 46 | 20 18 | 1 33 | 22 10 | 0 2 | 19 33 | 1 35 | 10 21 | 10 53 | 19 58 | 19 41 | 20 42 | 15 28 | 2 31 |
| W17 | 19 48 | 3 34 | 4 59 | 13 20 | 0 24 | 16 46 | 6 33 | 24 1 | 0 43 | 17 13 | 0 46 | 20 18 | 1 32 | 22 10 | 0 2 | 19 33 | 1 35 | 10 21 | 10 53 | 19 56 | 19 40 | 20 41 | 15 28 | 2 31 |
| T 18 | 19 35 | 1s28 | 4 37 | 12 43 | 0 15 | 16 46 | 6 33 | 24 0 | 0 44 | 17 9 | 0 46 | 20 18 | 1 32 | 22 10 | 0 2 | 19 33 | 1 35 | 10 21 | 10 54 | 19 54 | 19 39 | 20 40 | 15 29 | 2 31 |
| F 19 | 19 22 | 6 16 | 4 0 | 12 6 | 0 7 | 16 47 | 6 33 | 23 58 | 0 45 | 17 5 | 0 46 | 20 18 | 1 32 | 22 10 | 0 2 | 19 33 | 1 35 | 10 21 | 10 54 | 19 53 | 19 38 | 20 39 | 15 29 | 2 31 |
| S 20 | 19 8 | 10 37 | 3 12 | 11 28 | 0s 3 | 16 47 | 6 32 | 23 55 | 0 45 | 17 1 | 0 46 | 20 18 | 1 32 | 22 10 | 0 2 | 19 33 | 1 35 | 10 21 | 10 54 | 19 52 | 19 38 | 20 39 | 15 29 | 2 32 |
| S 21 | 18 54 | 14 22 | 2 15 | 10 51 | 0 12 | 16 49 | 6 31 | 23 53 | 0 46 | 16 57 | 0 46 | 20 18 | 1 32 | 22 10 | 0 2 | 19 34 | 1 35 | 10 21 | 10 54 | 19 52 | 19 37 | 20 38 | 15 29 | 2 32 |
| M22 | 18 40 | 17 23 | 1 14 | 10 15 | 0 21 | 16 50 | 6 29 | 23 50 | 0 46 | 16 54 | 0 46 | 20 18 | 1 31 | 22 10 | 0 2 | 19 34 | 1 35 | 10 21 | 10 54 | 19 52 | 19 36 | 20 37 | 15 30 | 2 32 |
| T 23 | 18 25 | 19 35 | 0 10 | 9 38 | 0 31 | 16 52 | 6 27 | 23 48 | 0 47 | 16 50 | 0 46 | 20 18 | 1 31 | 22 9 | 0 2 | 19 34 | 1 36 | 10 21 | 10 54 | 19 52 | 19 36 | 20 36 | 15 30 | 2 32 |
| W24 | 18 10 | 20 54 | 0n53 | 9 2 | 0 41 | 16 54 | 6 25 | 23 45 | 0 47 | 16 46 | 0 46 | 20 18 | 1 31 | 22 9 | 0 2 | 19 34 | 1 36 | 10 20 | 10 55 | 19 52 | 19 35 | 20 35 | 15 30 | 2 33 |
| T 25 | 17 55 | 21 16 | 1 53 | 8 26 | 0 51 | 16 57 | 6 22 | 23 42 | 0 48 | 16 42 | 0 46 | 20 18 | 1 31 | 22 9 | 0 2 | 19 34 | 1 36 | 10 20 | 10 55 | 19 51 | 19 34 | 20 35 | 15 30 | 2 33 |
| F 26 | 17 40 | 20 42 | 2 48 | 7 51 | 1 1 | 16 59 | 6 19 | 23 38 | 0 48 | 16 38 | 0 46 | 20 18 | 1 31 | 22 9 | 0 2 | 19 34 | 1 36 | 10 20 | 10 55 | 19 50 | 19 33 | 20 34 | 15 30 | 2 33 |
| S 27 | 17 24 | 19 13 | 3 36 | 7 16 | 1 11 | 17 2 | 6 16 | 23 35 | 0 49 | 16 34 | 0 46 | 20 18 | 1 30 | 22 9 | 0 2 | 19 35 | 1 36 | 10 20 | 10 55 | 19 49 | 19 33 | 20 33 | 15 31 | 2 33 |
| S 28 | 17 8 | 16 52 | 4 15 | 6 42 | 1 22 | 17 5 | 6 12 | 23 31 | 0 50 | 16 30 | 0 47 | 20 18 | 1 30 | 22 9 | 0 2 | 19 35 | 1 36 | 10 20 | 10 55 | 19 47 | 19 32 | 20 32 | 15 31 | 2 34 |
| M29 | 16 51 | 13 47 | 4 43 | 6 9 | 1 32 | 17 8 | 6 8 | 23 27 | 0 50 | 16 26 | 0 47 | 20 18 | 1 30 | 22 9 | 0 2 | 19 35 | 1 36 | 10 20 | 10 56 | 19 44 | 19 31 | 20 31 | 15 31 | 2 34 |
| T 30 | 16 35 | 10 5 | 4 58 | 5 36 | 1 43 | 17 11 | 6 4 | 23 23 | 0 51 | 16 22 | 0 47 | 20 18 | 1 30 | 22 9 | 0 2 | 19 35 | 1 36 | 10 20 | 10 56 | 19 41 | 19 30 | 20 30 | 15 31 | 2 34 |
| W31 | 16n18 | 5s54 | 5n 0 | 5n 5 | 1s54 | 17n15 | 5s59 | 23n19 | 0n51 | 16n18 | 0n47 | 20s18 | 1n30 | 22s 9 | 0s 2 | 19n35 | 1s36 | 10n20 | 10s56 | 19s38 | 19s30 | 20s30 | 15n31 | 2s34 |

Julian Day Number = 2231858.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°20'58, Lahiri = 15°27'59 Julian Calendar 1 July 1398 == Greg. Calendar 9 July 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## AUGUST 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 10 28 | 16♌15'48 | 15♓16 | 13♍34 | 9♋10 | 17♋20 | 17♌57 | 8°R25 | 10°R37 | 4♊47 | 4♊23 | 27°R11 | 26♏43 | 2♑29 | 20♉46 | T 1 |
| F 2 | 21 14 25 | 17°13'31 | 28° 5 | 14°26 | 9°32 | 17°59 | 18°10 | 8♐25 | 10♐36 | 4°48 | 4°24 | 27♏ 1 | 26°39 | 2°36 | 20°47 | F 2 |
| S 3 | 21 18 21 | 18°11'15 | 11♈ 6 | 15°14 | 9°56 | 18°37 | 18°23 | 8°25 | 10°36 | 4°49 | 4°24 | 26°54 | 26°36 | 2°42 | 20°49 | S 3 |
| S 4 | 21 22 18 | 19° 9'02 | 24°19 | 15°58 | 10°22 | 19°16 | 18°36 | 8°25 | 10°35 | 4°50 | 4°25 | 26°50 | 26°33 | 2°49 | 20°50 | S 4 |
| M 5 | 21 26 14 | 20° 6'49 | 7♉46 | 16°39 | 10°50 | 19°55 | 18°49 | 8°D25 | 10°35 | 4°51 | 4°25 | 26°48 | 26°30 | 2°56 | 20°50 | M 5 |
| T 6 | 21 30 11 | 21° 4'39 | 21°28 | 17°17 | 11°19 | 20°33 | 19° 2 | 8°25 | 10°35 | 4°51 | 4°26 | 26°48 | 26°27 | 3° 2 | 20°51 | T 6 |
| W 7 | 21 34 8 | 22° 2'31 | 5♊27 | 17°50 | 11°50 | 21°12 | 19°16 | 8°25 | 10°34 | 4°52 | 4°26 | 26°48 | 26°23 | 3° 9 | 20°52 | W 7 |
| T 8 | 21 38 4 | 23° 0'24 | 19°42 | 18°19 | 12°22 | 21°50 | 19°29 | 8°25 | 10°34 | 4°53 | 4°27 | 26°47 | 26°20 | 3°16 | 20°53 | T 8 |
| F 9 | 21 42 1 | 23°58'20 | 4♋12 | 18°44 | 12°55 | 22°28 | 19°42 | 8°25 | 10°34 | 4°54 | 4°27 | 26°43 | 26°17 | 3°22 | 20°54 | F 9 |
| S 10 | 21 45 57 | 24°56'17 | 18°54 | 19° 4 | 13°30 | 23° 7 | 19°55 | 8°26 | 10°34 | 4°54 | 4°27 | 26°37 | 26°14 | 3°29 | 20°54 | S 10 |
| S 11 | 21 49 54 | 25°54'16 | 3♌41 | 19°19 | 14° 6 | 23°45 | 20° 8 | 8°26 | 10°34 | 4°55 | 4°28 | 26°29 | 26°11 | 3°36 | 20°55 | S 11 |
| M12 | 21 53 50 | 26°52'16 | 18°26 | 19°28 | 14°43 | 24°23 | 20°21 | 8°27 | 10°D34 | 4°56 | 4°28 | 26°18 | 26° 8 | 3°42 | 20°55 | M12 |
| T 13 | 21 57 47 | 27°50'18 | 3♍ 1 | 19°R32 | 15°21 | 25° 2 | 20°34 | 8°28 | 10°34 | 4°56 | 4°28 | 26° 6 | 26° 4 | 3°49 | 20°56 | T 13 |
| W14 | 22 1 43 | 28°48'22 | 17°18 | 19°31 | 16° 1 | 25°40 | 20°47 | 8°29 | 10°34 | 4°57 | 4°29 | 25°55 | 26° 1 | 3°56 | 20°56 | W14 |
| T 15 | 22 5 40 | 29°46'28 | 1♎12 | 19°23 | 16°41 | 26°18 | 21° 0 | 8°30 | 10°34 | 4°57 | 4°29 | 25°45 | 25°58 | 4° 2 | 20°56 | T 15 |
| F 16 | 22 9 37 | 0♍44'34 | 14°39 | 19° 9 | 17°23 | 26°56 | 21°13 | 8°31 | 10°34 | 4°58 | 4°29 | 25°38 | 25°55 | 4° 9 | 20°57 | F 16 |
| S 17 | 22 13 33 | 1°42'43 | 27°41 | 18°49 | 18° 6 | 27°34 | 21°26 | 8°32 | 10°35 | 4°58 | 4°29 | 25°33 | 25°52 | 4°16 | 20°57 | S 17 |
| S 18 | 22 17 30 | 2°40'53 | 10♏19 | 18°22 | 18°49 | 28°12 | 21°39 | 8°33 | 10°35 | 4°59 | 4°30 | 25°31 | 25°49 | 4°22 | 20°57 | S 18 |
| M19 | 22 21 26 | 3°39'04 | 22°37 | 17°49 | 19°34 | 28°50 | 21°52 | 8°34 | 10°35 | 4°59 | 4°30 | 25°D30 | 25°45 | 4°29 | 20°R57 | M19 |
| T 20 | 22 25 23 | 4°37'17 | 4♐40 | 17°11 | 20°19 | 29°28 | 22° 5 | 8°36 | 10°36 | 5° 0 | 4°30 | 25°R30 | 25°42 | 4°36 | 20°57 | T 20 |
| W21 | 22 29 19 | 5°35'32 | 16°34 | 16°26 | 21° 6 | 0♌ 6 | 22°18 | 8°37 | 10°36 | 5° 0 | 4°30 | 25°30 | 25°39 | 4°42 | 20°57 | W21 |
| T 22 | 22 33 16 | 6°33'48 | 28°23 | 15°37 | 21°53 | 0°44 | 22°31 | 8°39 | 10°37 | 5° 0 | 4°30 | 25°28 | 25°36 | 4°49 | 20°56 | T 22 |
| F 23 | 22 37 12 | 7°32'06 | 10♑13 | 14°43 | 22°41 | 1°22 | 22°44 | 8°41 | 10°37 | 5° 1 | 4°30 | 25°24 | 25°33 | 4°56 | 20°56 | F 23 |
| S 24 | 22 41 9 | 8°30'25 | 22° 9 | 13°45 | 23°30 | 2° 0 | 22°56 | 8°43 | 10°38 | 5° 1 | 4°30 | 25°17 | 25°29 | 5° 2 | 20°56 | S 24 |
| S 25 | 22 45 5 | 9°28'46 | 4♒14 | 12°45 | 24°20 | 2°37 | 23° 9 | 8°44 | 10°39 | 5° 1 | 4°30 | 25° 8 | 25°26 | 5° 9 | 20°56 | S 25 |
| M26 | 22 49 2 | 10°27'08 | 16°30 | 11°44 | 25°10 | 3°15 | 23°22 | 8°46 | 10°39 | 5° 1 | 4°30 | 24°57 | 25°23 | 5°16 | 20°55 | M26 |
| T 27 | 22 52 59 | 11°25'33 | 29° 0 | 10°43 | 26° 1 | 3°53 | 23°35 | 8°49 | 10°40 | 5° 1 | 4°R30 | 24°44 | 25°20 | 5°22 | 20°55 | T 27 |
| W28 | 22 56 55 | 12°23'59 | 11♓44 | 9°43 | 26°53 | 4°30 | 23°48 | 8°51 | 10°41 | 5° 1 | 4°30 | 24°32 | 25°17 | 5°29 | 20°54 | W28 |
| T 29 | 23 0 52 | 13°22'27 | 24°41 | 8°46 | 27°45 | 5° 8 | 24° 0 | 8°53 | 10°42 | 5° 2 | 4°30 | 24°21 | 25°14 | 5°36 | 20°53 | T 29 |
| F 30 | 23 4 48 | 14°20'57 | 7♈51 | 7°54 | 28°38 | 5°45 | 24°13 | 8°55 | 10°43 | 5° 2 | 4°30 | 24°11 | 25°10 | 5°42 | 20°53 | F 30 |
| S 31 | 23 8 45 | 15♍19'29 | 21♈11 | 7♍ 8 | 29♋32 | 6♌23 | 24♌26 | 8♐58 | 10♐44 | 5°R 2 | 4♊30 | 24♏ 5 | 25♏ 7 | 5♑49 | 20♉52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n 1 | 1s26 | 4n46 | 4n34 | 2s 4 | 17n18 | 5s55 | 23n15 | 0n52 | 16n15 | 0n47 | 20s19 | 1n29 | 22s 8 | 0s 2 | 19n35 | 1s36 | 10n20 | 10s56 | 19s35 | 19s29 | 20s29 | 15n31 | 2s35 |
| F 2 | 15 43 | 3n11 | 4 18 | 4 5 | 2 15 | 17 21 | 5 50 | 23 10 | 0 52 | 16 11 | 0 47 | 20 19 | 1 29 | 22 8 | 0 2 | 19 35 | 1 36 | 10 20 | 10 56 | 19 33 | 19 28 | 20 28 | 15 31 | 2 35 |
| S 3 | 15 26 | 7 43 | 3 37 | 3 36 | 2 25 | 17 25 | 5 45 | 23 5 | 0 53 | 16 7 | 0 47 | 20 19 | 1 29 | 22 8 | 0 2 | 19 36 | 1 36 | 10 20 | 10 56 | 19 32 | 19 27 | 20 27 | 15 31 | 2 35 |
| S 4 | 15 8 | 11 59 | 2 43 | 3 9 | 2 36 | 17 28 | 5 40 | 23 0 | 0 53 | 16 3 | 0 47 | 20 19 | 1 29 | 22 8 | 0 2 | 19 36 | 1 36 | 10 20 | 10 57 | 19 31 | 19 27 | 20 26 | 15 31 | 2 36 |
| M 5 | 14 50 | 15 42 | 1 39 | 2 44 | 2 46 | 17 31 | 5 34 | 22 55 | 0 54 | 15 59 | 0 47 | 20 19 | 1 29 | 22 8 | 0 2 | 19 36 | 1 36 | 10 20 | 10 57 | 19 30 | 19 26 | 20 25 | 15 31 | 2 36 |
| T 6 | 14 31 | 18 38 | 0 28 | 2 20 | 2 57 | 17 34 | 5 29 | 22 50 | 0 54 | 15 54 | 0 47 | 20 19 | 1 28 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 57 | 19 30 | 19 25 | 20 25 | 15 31 | 2 36 |
| W 7 | 14 12 | 20 32 | 0s46 | 1 58 | 3 7 | 17 37 | 5 23 | 22 45 | 0 55 | 15 50 | 0 47 | 20 20 | 1 28 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 57 | 19 30 | 19 25 | 20 24 | 15 31 | 2 36 |
| T 8 | 13 54 | 21 9 | 1 58 | 1 37 | 3 16 | 17 40 | 5 17 | 22 39 | 0 56 | 15 46 | 0 47 | 20 20 | 1 28 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 57 | 19 30 | 19 24 | 20 23 | 15 31 | 2 37 |
| F 9 | 13 34 | 20 23 | 3 4 | 1 19 | 3 26 | 17 43 | 5 11 | 22 33 | 0 56 | 15 42 | 0 47 | 20 20 | 1 28 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 58 | 19 29 | 19 23 | 20 22 | 15 31 | 2 37 |
| S 10 | 13 15 | 18 15 | 3 58 | 1 3 | 3 35 | 17 46 | 5 6 | 22 28 | 0 57 | 15 38 | 0 47 | 20 20 | 1 27 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 58 | 19 28 | 19 22 | 20 21 | 15 31 | 2 37 |
| S 11 | 12 55 | 14 54 | 4 37 | 0 49 | 3 43 | 17 48 | 4 59 | 22 21 | 0 57 | 15 34 | 0 47 | 20 21 | 1 27 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 58 | 19 26 | 19 22 | 20 20 | 15 31 | 2 37 |
| M12 | 12 36 | 10 38 | 4 58 | 0 38 | 3 51 | 17 50 | 4 53 | 22 15 | 0 58 | 15 30 | 0 48 | 20 21 | 1 27 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 58 | 19 23 | 19 21 | 20 19 | 15 30 | 2 38 |
| T 13 | 12 16 | 5 48 | 4 58 | 0 30 | 3 59 | 17 52 | 4 47 | 22 9 | 0 58 | 15 26 | 0 48 | 20 21 | 1 27 | 22 8 | 0 2 | 19 36 | 1 36 | 10 19 | 10 58 | 19 21 | 19 20 | 20 18 | 15 30 | 2 38 |
| W14 | 11 56 | 0 44 | 4 40 | 0 24 | 4 5 | 17 54 | 4 41 | 22 2 | 0 59 | 15 22 | 0 48 | 20 22 | 1 27 | 22 8 | 0 2 | 19 36 | 1 37 | 10 18 | 10 59 | 19 18 | 19 19 | 20 18 | 15 30 | 2 38 |
| T 15 | 11 35 | 4s14 | 4 6 | 0 22 | 4 11 | 17 56 | 4 35 | 21 56 | 0 59 | 15 18 | 0 48 | 20 22 | 1 26 | 22 8 | 0 2 | 19 37 | 1 37 | 10 18 | 10 59 | 19 16 | 19 19 | 20 17 | 15 30 | 2 39 |
| F 16 | 11 15 | 8 50 | 3 18 | 0 24 | 4 15 | 17 57 | 4 28 | 21 49 | 1 0 | 15 14 | 0 48 | 20 22 | 1 26 | 22 8 | 0 2 | 19 37 | 1 37 | 10 18 | 10 59 | 19 14 | 19 18 | 20 16 | 15 30 | 2 39 |
| S 17 | 10 54 | 12 53 | 2 22 | 0 28 | 4 19 | 17 58 | 4 22 | 21 42 | 1 0 | 15 10 | 0 48 | 20 23 | 1 26 | 22 8 | 0 2 | 19 37 | 1 37 | 10 18 | 10 59 | 19 13 | 19 17 | 20 15 | 15 29 | 2 39 |
| S 18 | 10 33 | 16 13 | 1 20 | 0 37 | 4 21 | 17 58 | 4 15 | 21 35 | 1 1 | 15 5 | 0 48 | 20 23 | 1 26 | 22 8 | 0 2 | 19 37 | 1 37 | 10 18 | 10 59 | 19 12 | 19 16 | 20 14 | 15 29 | 2 39 |
| M19 | 10 12 | 18 44 | 0 15 | 0 49 | 4 22 | 17 59 | 4 9 | 21 28 | 1 1 | 15 1 | 0 48 | 20 24 | 1 26 | 22 8 | 0 2 | 19 37 | 1 37 | 10 18 | 11 0 | 19 12 | 19 16 | 20 13 | 15 29 | 2 40 |
| T 20 | 9 51 | 20 21 | 0n48 | 1 5 | 4 21 | 17 59 | 4 2 | 21 20 | 1 2 | 14 57 | 0 48 | 20 24 | 1 25 | 22 8 | 0 2 | 19 37 | 1 37 | 10 17 | 11 0 | 19 12 | 19 15 | 20 12 | 15 29 | 2 40 |
| W21 | 9 29 | 21 1 | 1 49 | 1 24 | 4 18 | 17 58 | 3 56 | 21 13 | 1 2 | 14 53 | 0 48 | 20 25 | 1 25 | 22 9 | 0 2 | 19 37 | 1 37 | 10 17 | 11 0 | 19 12 | 19 14 | 20 11 | 15 28 | 2 40 |
| T 22 | 9 8 | 20 45 | 2 45 | 1 47 | 4 14 | 17 57 | 3 49 | 21 5 | 1 3 | 14 49 | 0 48 | 20 25 | 1 25 | 22 9 | 0 2 | 19 37 | 1 37 | 10 17 | 11 0 | 19 11 | 19 13 | 20 10 | 15 28 | 2 41 |
| F 23 | 8 46 | 19 34 | 3 34 | 2 14 | 4 7 | 17 56 | 3 43 | 20 57 | 1 3 | 14 45 | 0 49 | 20 25 | 1 25 | 22 9 | 0 2 | 19 37 | 1 37 | 10 17 | 11 0 | 19 10 | 19 13 | 20 9 | 15 28 | 2 41 |
| S 24 | 8 24 | 17 31 | 4 13 | 2 44 | 3 59 | 17 55 | 3 36 | 20 49 | 1 4 | 14 41 | 0 49 | 20 26 | 1 25 | 22 9 | 0 2 | 19 37 | 1 37 | 10 17 | 11 0 | 19 9 | 19 12 | 20 8 | 15 27 | 2 41 |
| S 25 | 8 2 | 14 42 | 4 42 | 3 16 | 3 49 | 17 53 | 3 30 | 20 41 | 1 5 | 14 37 | 0 49 | 20 26 | 1 24 | 22 9 | 0 2 | 19 37 | 1 37 | 10 17 | 11 1 | 19 7 | 19 11 | 20 7 | 15 27 | 2 41 |
| M26 | 7 40 | 11 12 | 4 58 | 3 51 | 3 37 | 17 50 | 3 23 | 20 33 | 1 5 | 14 32 | 0 49 | 20 27 | 1 24 | 22 9 | 0 2 | 19 37 | 1 37 | 10 16 | 11 1 | 19 4 | 19 10 | 20 7 | 15 27 | 2 42 |
| T 27 | 7 18 | 7 10 | 5 1 | 4 27 | 3 23 | 17 48 | 3 17 | 20 24 | 1 6 | 14 28 | 0 49 | 20 27 | 1 24 | 22 9 | 0 2 | 19 37 | 1 37 | 10 16 | 11 1 | 19 1 | 19 9 | 20 6 | 15 26 | 2 42 |
| W28 | 6 56 | 2 45 | 4 48 | 5 4 | 3 7 | 17 44 | 3 10 | 20 16 | 1 6 | 14 24 | 0 49 | 20 28 | 1 24 | 22 9 | 0 2 | 19 37 | 1 37 | 10 16 | 11 1 | 18 58 | 19 9 | 20 5 | 15 26 | 2 42 |
| T 29 | 6 33 | 1n52 | 4 21 | 5 40 | 2 50 | 17 41 | 3 4 | 20 7 | 1 7 | 14 20 | 0 49 | 20 29 | 1 24 | 22 9 | 0 2 | 19 37 | 1 37 | 10 16 | 11 1 | 18 55 | 19 8 | 20 4 | 15 25 | 2 42 |
| F 30 | 6 11 | 6 28 | 3 39 | 6 17 | 2 32 | 17 37 | 2 57 | 19 59 | 1 7 | 14 16 | 0 49 | 20 29 | 1 23 | 22 10 | 0 2 | 19 37 | 1 37 | 10 16 | 11 2 | 18 53 | 19 7 | 20 3 | 15 25 | 2 43 |
| S 31 | 5n48 | 10n50 | 2n45 | 6n52 | 2s13 | 17n32 | 2s51 | 19n50 | 1n 8 | 14n12 | 0n49 | 20s30 | 1n23 | 22s10 | 0s 2 | 19n36 | 1s37 | 10n15 | 11s 2 | 18s51 | 19s 6 | 20s 2 | 15n24 | 2s43 |

Julian Day Number = 2231889.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'03, Lahiri = 15°28'03 Julian Calendar 1 Aug. 1398 == Greg. Calendar 9 Aug. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## SEPTEMBER 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 12 41 | 16♍18'03 | 4♉42 | 6°R28 | 0♌26 | 7♌ 0 | 24♌38 | 9♐ 0 | 10♐45 | 5°R 2 | 4°R30 | 24°R 1 | 25♏ 4 | 5♑56 | 20°R51 | S 1 |
| M 2 | 23 16 38 | 17°16'39 | 18°23 | 5♍57 | 1°21 | 7°38 | 24°51 | 9° 3 | 10°46 | 5♊ 1 | 4♊30 | 23°D59 | 25° 1 | 6° 3 | 20♉50 | M 2 |
| T 3 | 23 20 34 | 18°15'18 | 2♊12 | 5°34 | 2°17 | 8°15 | 25° 3 | 9° 6 | 10°47 | 5° 1 | 4°30 | 23♏59 | 24°58 | 6° 9 | 20°49 | T 3 |
| W 4 | 23 24 31 | 19°13'59 | 16°11 | 5°20 | 3°13 | 8°52 | 25°16 | 9° 9 | 10°48 | 5° 1 | 4°30 | 24°R 0 | 24°54 | 6°16 | 20°48 | W 4 |
| T 5 | 23 28 28 | 20°12'43 | 0♋18 | 5°D16 | 4° 9 | 9°30 | 25°28 | 9°11 | 10°49 | 5° 1 | 4°30 | 23°59 | 24°51 | 6°23 | 20°47 | T 5 |
| F 6 | 23 32 24 | 21°11'28 | 14°33 | 5°23 | 5° 7 | 10° 7 | 25°41 | 9°14 | 10°50 | 5° 1 | 4°29 | 23°57 | 24°48 | 6°29 | 20°46 | F 6 |
| S 7 | 23 36 21 | 22°10'16 | 28°53 | 5°39 | 6° 4 | 10°44 | 25°53 | 9°17 | 10°52 | 5° 1 | 4°29 | 23°53 | 24°45 | 6°36 | 20°45 | S 7 |
| S 8 | 23 40 17 | 23° 9'06 | 13♌15 | 6° 4 | 7° 2 | 11°21 | 26° 6 | 9°21 | 10°53 | 5° 0 | 4°29 | 23°46 | 24°42 | 6°43 | 20°44 | S 8 |
| M 9 | 23 44 14 | 24° 7'59 | 27°34 | 6°39 | 8° 1 | 11°58 | 26°18 | 9°24 | 10°55 | 5° 0 | 4°29 | 23°37 | 24°39 | 6°49 | 20°42 | M 9 |
| T 10 | 23 48 10 | 25° 6'53 | 11♍45 | 7°23 | 9° 0 | 12°35 | 26°30 | 9°27 | 10°56 | 5° 0 | 4°28 | 23°27 | 24°35 | 6°56 | 20°41 | T 10 |
| W11 | 23 52 7 | 26° 5'50 | 25°42 | 8°15 | 9°59 | 13°12 | 26°42 | 9°31 | 10°58 | 4°59 | 4°28 | 23°18 | 24°32 | 7° 3 | 20°39 | W11 |
| T 12 | 23 56 3 | 27° 4'48 | 9♎21 | 9°15 | 10°59 | 13°49 | 26°54 | 9°34 | 10°59 | 4°59 | 4°28 | 23°10 | 24°29 | 7° 9 | 20°38 | T 12 |
| F 13 | 0 0 0 | 28° 3'49 | 22°40 | 10°22 | 11°59 | 14°26 | 27° 7 | 9°38 | 11° 1 | 4°59 | 4°27 | 23° 3 | 24°26 | 7°16 | 20°36 | F 13 |
| S 14 | 0 3 57 | 29° 2'52 | 5♏36 | 11°35 | 13° 0 | 15° 3 | 27°19 | 9°41 | 11° 2 | 4°58 | 4°27 | 23° 0 | 24°23 | 7°23 | 20°35 | S 14 |
| S 15 | 0 7 53 | 0♎ 1'56 | 18°12 | 12°54 | 14° 1 | 15°40 | 27°31 | 9°45 | 11° 4 | 4°58 | 4°26 | 22°D58 | 24°20 | 7°29 | 20°33 | S 15 |
| M16 | 0 11 50 | 1° 1'03 | 0♐30 | 14°17 | 15° 2 | 16°16 | 27°43 | 9°49 | 11° 6 | 4°57 | 4°26 | 22°58 | 24°16 | 7°36 | 20°31 | M16 |
| T 17 | 0 15 46 | 2° 0'11 | 12°33 | 15°45 | 16° 4 | 16°53 | 27°54 | 9°53 | 11° 8 | 4°57 | 4°26 | 22°59 | 24°13 | 7°43 | 20°29 | T 17 |
| W18 | 0 19 43 | 2°59'21 | 24°28 | 17°17 | 17° 6 | 17°30 | 28° 6 | 9°57 | 11° 9 | 4°56 | 4°25 | 23° 0 | 24°10 | 7°49 | 20°28 | W18 |
| T 19 | 0 23 39 | 3°58'33 | 6♑18 | 18°52 | 18° 9 | 18° 6 | 28°18 | 10° 1 | 11°11 | 4°55 | 4°25 | 23°R 1 | 24° 7 | 7°56 | 20°26 | T 19 |
| F 20 | 0 27 36 | 4°57'47 | 18°10 | 20°29 | 19°12 | 18°43 | 28°30 | 10° 5 | 11°13 | 4°55 | 4°24 | 23° 0 | 24° 4 | 8° 3 | 20°24 | F 20 |
| S 21 | 0 31 32 | 5°57'02 | 0♒ 7 | 22° 8 | 20°15 | 19°19 | 28°41 | 10° 9 | 11°15 | 4°54 | 4°24 | 22°57 | 24° 0 | 8° 9 | 20°22 | S 21 |
| S 22 | 0 35 29 | 6°56'19 | 12°15 | 23°49 | 21°18 | 19°56 | 28°53 | 10°14 | 11°17 | 4°53 | 4°23 | 22°52 | 23°57 | 8°16 | 20°20 | S 22 |
| M23 | 0 39 25 | 7°55'39 | 24°38 | 25°31 | 22°22 | 20°32 | 29° 4 | 10°18 | 11°19 | 4°53 | 4°23 | 22°45 | 23°54 | 8°23 | 20°17 | M23 |
| T 24 | 0 43 22 | 8°54'59 | 7♓17 | 27°14 | 23°26 | 21° 9 | 29°16 | 10°22 | 11°21 | 4°52 | 4°22 | 22°37 | 23°51 | 8°29 | 20°15 | T 24 |
| W25 | 0 47 19 | 9°54'22 | 20°14 | 28°57 | 24°31 | 21°45 | 29°27 | 10°27 | 11°24 | 4°51 | 4°21 | 22°30 | 23°48 | 8°36 | 20°13 | W25 |
| T 26 | 0 51 15 | 10°53'47 | 3♈29 | 0♎41 | 25°35 | 22°21 | 29°39 | 10°31 | 11°26 | 4°50 | 4°21 | 22°23 | 23°45 | 8°43 | 20°11 | T 26 |
| F 27 | 0 55 12 | 11°53'14 | 17° 1 | 2°25 | 26°40 | 22°57 | 29°50 | 10°36 | 11°28 | 4°49 | 4°20 | 22°17 | 23°41 | 8°50 | 20° 8 | F 27 |
| S 28 | 0 59 8 | 12°52'43 | 0♉47 | 4°10 | 27°45 | 23°33 | 0♍ 1 | 10°41 | 11°30 | 4°48 | 4°20 | 22°13 | 23°38 | 8°56 | 20° 6 | S 28 |
| S 29 | 1 3 5 | 13°52'14 | 14°43 | 5°54 | 28°51 | 24°10 | 0°12 | 10°46 | 11°33 | 4°48 | 4°19 | 22°11 | 23°35 | 9° 3 | 20° 3 | S 29 |
| M30 | 1 7 1 | 14♎51'48 | 28♉48 | 7♎38 | 29♌57 | 24♌46 | 0♍23 | 10♐50 | 11♐35 | 4♊47 | 4♊18 | 22°D11 | 23♏32 | 9♑10 | 20♉ 1 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5n25 | 14n43 | 1n41 | 7n24 | 1s54 | 17n27 | 2s44 | 19n41 | 1n 8 | 14n 8 | 0n49 | 20s30 | 1n23 | 22s10 | 0s 2 | 19n36 | 1s37 | 10n15 | 11s 2 | 18s50 | 19s 6 | 20s 1 | 15n24 | 2s43 |
| M 2 | 5 2 | 17 50 | 0 30 | 7 54 | 1 34 | 17 22 | 2 38 | 19 32 | 1 9 | 14 4 | 0 50 | 20 31 | 1 23 | 22 10 | 0 2 | 19 36 | 1 37 | 10 15 | 11 2 | 18 50 | 19 5 | 20 0 | 15 24 | 2 44 |
| T 3 | 4 40 | 19 57 | 0s44 | 8 21 | 1 14 | 17 16 | 2 31 | 19 22 | 1 9 | 13 59 | 0 50 | 20 31 | 1 23 | 22 10 | 0 2 | 19 36 | 1 38 | 10 15 | 11 2 | 18 50 | 19 4 | 19 59 | 15 23 | 2 44 |
| W 4 | 4 16 | 20 53 | 1 55 | 8 44 | 0 54 | 17 9 | 2 25 | 19 13 | 1 10 | 13 55 | 0 50 | 20 32 | 1 22 | 22 10 | 0 2 | 19 36 | 1 38 | 10 14 | 11 3 | 18 50 | 19 3 | 19 58 | 15 22 | 2 44 |
| T 5 | 3 53 | 20 30 | 3 1 | 9 3 | 0 35 | 17 2 | 2 18 | 19 4 | 1 10 | 13 51 | 0 50 | 20 33 | 1 22 | 22 11 | 0 2 | 19 36 | 1 38 | 10 14 | 11 3 | 18 50 | 19 3 | 19 57 | 15 22 | 2 44 |
| F 6 | 3 30 | 18 49 | 3 56 | 9 18 | 0 17 | 16 55 | 2 12 | 18 54 | 1 11 | 13 47 | 0 50 | 20 33 | 1 22 | 22 11 | 0 2 | 19 36 | 1 38 | 10 14 | 11 3 | 18 49 | 19 2 | 19 56 | 15 21 | 2 45 |
| S 7 | 3 7 | 15 57 | 4 36 | 9 28 | 0n 0 | 16 47 | 2 6 | 18 45 | 1 11 | 13 43 | 0 50 | 20 34 | 1 22 | 22 11 | 0 2 | 19 36 | 1 38 | 10 14 | 11 3 | 18 48 | 19 1 | 19 55 | 15 21 | 2 45 |
| S 8 | 2 44 | 12 7 | 4 59 | 9 34 | 0 16 | 16 39 | 2 0 | 18 35 | 1 12 | 13 39 | 0 50 | 20 35 | 1 22 | 22 11 | 0 2 | 19 36 | 1 38 | 10 14 | 11 3 | 18 46 | 19 0 | 19 54 | 15 20 | 2 45 |
| M 9 | 2 20 | 7 36 | 5 4 | 9 35 | 0 31 | 16 30 | 1 53 | 18 25 | 1 12 | 13 35 | 0 50 | 20 35 | 1 21 | 22 11 | 0 2 | 19 36 | 1 38 | 10 13 | 11 4 | 18 44 | 18 59 | 19 53 | 15 20 | 2 45 |
| T 10 | 1 57 | 2 43 | 4 49 | 9 32 | 0 45 | 16 21 | 1 47 | 18 15 | 1 13 | 13 31 | 0 51 | 20 36 | 1 21 | 22 12 | 0 2 | 19 36 | 1 38 | 10 13 | 11 4 | 18 42 | 18 59 | 19 52 | 15 19 | 2 46 |
| W11 | 1 33 | 2s14 | 4 18 | 9 24 | 0 58 | 16 11 | 1 41 | 18 5 | 1 13 | 13 27 | 0 51 | 20 37 | 1 21 | 22 12 | 0 2 | 19 36 | 1 38 | 10 13 | 11 4 | 18 39 | 18 58 | 19 51 | 15 18 | 2 46 |
| T 12 | 1 10 | 6 58 | 3 32 | 9 12 | 1 9 | 16 0 | 1 35 | 17 55 | 1 14 | 13 23 | 0 51 | 20 37 | 1 21 | 22 12 | 0 2 | 19 35 | 1 38 | 10 13 | 11 4 | 18 37 | 18 57 | 19 50 | 15 18 | 2 46 |
| F 13 | 0 46 | 11 15 | 2 35 | 8 56 | 1 19 | 15 50 | 1 29 | 17 44 | 1 14 | 13 19 | 0 51 | 20 38 | 1 21 | 22 12 | 0 2 | 19 35 | 1 38 | 10 12 | 11 4 | 18 36 | 18 56 | 19 49 | 15 17 | 2 46 |
| S 14 | 0 23 | 14 53 | 1 32 | 8 36 | 1 28 | 15 38 | 1 23 | 17 34 | 1 15 | 13 15 | 0 51 | 20 39 | 1 20 | 22 12 | 0 2 | 19 35 | 1 38 | 10 12 | 11 5 | 18 35 | 18 56 | 19 48 | 15 16 | 2 47 |
| S 15 | 0s 1 | 17 43 | 0 26 | 8 12 | 1 35 | 15 27 | 1 17 | 17 24 | 1 15 | 13 11 | 0 51 | 20 40 | 1 20 | 22 13 | 0 2 | 19 35 | 1 38 | 10 12 | 11 5 | 18 34 | 18 55 | 19 47 | 15 16 | 2 47 |
| M16 | 0 24 | 19 40 | 0n40 | 7 46 | 1 41 | 15 14 | 1 11 | 17 13 | 1 16 | 13 7 | 0 51 | 20 40 | 1 20 | 22 13 | 0 2 | 19 35 | 1 38 | 10 12 | 11 5 | 18 34 | 18 54 | 19 46 | 15 15 | 2 47 |
| T 17 | 0 48 | 20 40 | 1 44 | 7 16 | 1 46 | 15 2 | 1 6 | 17 2 | 1 16 | 13 3 | 0 51 | 20 41 | 1 20 | 22 13 | 0 2 | 19 35 | 1 38 | 10 11 | 11 5 | 18 35 | 18 53 | 19 45 | 15 14 | 2 47 |
| W18 | 1 12 | 20 43 | 2 42 | 6 44 | 1 50 | 14 48 | 1 0 | 16 52 | 1 17 | 12 59 | 0 52 | 20 42 | 1 20 | 22 13 | 0 2 | 19 35 | 1 38 | 10 11 | 11 5 | 18 35 | 18 52 | 19 44 | 15 14 | 2 48 |
| T 19 | 1 35 | 19 50 | 3 32 | 6 9 | 1 53 | 14 35 | 0 54 | 16 41 | 1 17 | 12 55 | 0 52 | 20 43 | 1 20 | 22 14 | 0 2 | 19 34 | 1 38 | 10 11 | 11 5 | 18 35 | 18 52 | 19 43 | 15 13 | 2 48 |
| F 20 | 1 59 | 18 5 | 4 14 | 5 33 | 1 55 | 14 21 | 0 49 | 16 30 | 1 18 | 12 51 | 0 52 | 20 43 | 1 19 | 22 14 | 0 2 | 19 34 | 1 38 | 10 11 | 11 6 | 18 35 | 18 51 | 19 42 | 15 12 | 2 48 |
| S 21 | 2 22 | 15 33 | 4 45 | 4 55 | 1 56 | 14 6 | 0 43 | 16 19 | 1 18 | 12 47 | 0 52 | 20 44 | 1 19 | 22 14 | 0 2 | 19 34 | 1 38 | 10 10 | 11 6 | 18 34 | 18 50 | 19 41 | 15 11 | 2 48 |
| S 22 | 2 46 | 12 19 | 5 3 | 4 15 | 1 56 | 13 51 | 0 38 | 16 8 | 1 19 | 12 43 | 0 52 | 20 45 | 1 19 | 22 15 | 0 2 | 19 34 | 1 38 | 10 10 | 11 6 | 18 33 | 18 49 | 19 40 | 15 10 | 2 49 |
| M23 | 3 9 | 8 30 | 5 8 | 3 34 | 1 56 | 13 36 | 0 32 | 15 57 | 1 20 | 12 39 | 0 52 | 20 46 | 1 19 | 22 15 | 0 2 | 19 34 | 1 38 | 10 10 | 11 6 | 18 31 | 18 48 | 19 39 | 15 10 | 2 49 |
| T 24 | 3 33 | 4 14 | 4 59 | 2 51 | 1 54 | 13 20 | 0 27 | 15 46 | 1 20 | 12 35 | 0 53 | 20 47 | 1 19 | 22 15 | 0 2 | 19 34 | 1 38 | 10 10 | 11 6 | 18 29 | 18 48 | 19 38 | 15 9 | 2 49 |
| W25 | 3 56 | 0n19 | 4 34 | 2 8 | 1 52 | 13 3 | 0 22 | 15 34 | 1 21 | 12 31 | 0 53 | 20 47 | 1 19 | 22 15 | 0 2 | 19 33 | 1 39 | 10 9 | 11 6 | 18 27 | 18 47 | 19 37 | 15 8 | 2 49 |
| T 26 | 4 20 | 4 57 | 3 53 | 1 24 | 1 50 | 12 46 | 0 17 | 15 23 | 1 21 | 12 27 | 0 53 | 20 48 | 1 18 | 22 16 | 0 2 | 19 33 | 1 39 | 10 9 | 11 7 | 18 25 | 18 46 | 19 36 | 15 7 | 2 50 |
| F 27 | 4 43 | 9 28 | 2 59 | 0 40 | 1 47 | 12 29 | 0 12 | 15 12 | 1 22 | 12 24 | 0 53 | 20 49 | 1 18 | 22 16 | 0 2 | 19 33 | 1 39 | 10 9 | 11 7 | 18 24 | 18 45 | 19 35 | 15 6 | 2 50 |
| S 28 | 5 6 | 13 33 | 1 54 | 0s 5 | 1 43 | 12 11 | 0 7 | 15 0 | 1 22 | 12 20 | 0 53 | 20 50 | 1 18 | 22 16 | 0 2 | 19 33 | 1 39 | 10 9 | 11 7 | 18 23 | 18 45 | 19 34 | 15 6 | 2 50 |
| S 29 | 5 29 | 16 57 | 0 41 | 0 50 | 1 39 | 11 53 | 0 2 | 14 49 | 1 23 | 12 16 | 0 53 | 20 51 | 1 18 | 22 17 | 0 2 | 19 33 | 1 39 | 10 8 | 11 7 | 18 22 | 18 44 | 19 33 | 15 5 | 2 50 |
| M30 | 5s52 | 19n22 | 0s36 | 1s35 | 1n35 | 11n35 | 0n 3 | 14n37 | 1n23 | 12n12 | 0n53 | 20s52 | 1n18 | 22s17 | 0s 2 | 19n32 | 1s39 | 10n 8 | 11s 7 | 18s22 | 18s43 | 19s31 | 15n 4 | 2s51 |

Julian Day Number = 2231920.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'07, Lahiri = 15°28'07 Julian Calendar 1 Sept. 1398 == Greg. Calendar 9 Sept. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## OCTOBER 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 10 58 | 15♎51'23 | 12♊57 | 9♎22 | 1♍ 3 | 25♌22 | 0♍34 | 10♐55 | 11♐37 | 4°R46 | 4°R18 | 22♏12 | 23♏29 | 9♑16 | 19°R58 | T 1 |
| W 2 | 1 14 54 | 16°51'01 | 27° 8 | 11° 5 | 2° 9 | 25°58 | 0°45 | 11° 0 | 11°40 | 4♊45 | 4♊17 | 22°14 | 23°26 | 9°23 | 19♉56 | W 2 |
| T 3 | 1 18 51 | 17°50'42 | 11♋19 | 12°48 | 3°16 | 26°33 | 0°56 | 11° 5 | 11°42 | 4°44 | 4°16 | 22°R15 | 23°22 | 9°30 | 19°53 | T 3 |
| F 4 | 1 22 48 | 18°50'25 | 25°29 | 14°31 | 4°22 | 27° 9 | 1° 6 | 11°10 | 11°45 | 4°43 | 4°15 | 22°15 | 23°19 | 9°36 | 19°51 | F 4 |
| S 5 | 1 26 44 | 19°50'10 | 9♌34 | 16°13 | 5°29 | 27°45 | 1°17 | 11°16 | 11°47 | 4°41 | 4°15 | 22°13 | 23°16 | 9°43 | 19°48 | S 5 |
| S 6 | 1 30 41 | 20°49'57 | 23°35 | 17°55 | 6°37 | 28°21 | 1°28 | 11°21 | 11°50 | 4°40 | 4°14 | 22°11 | 23°13 | 9°50 | 19°45 | S 6 |
| M 7 | 1 34 37 | 21°49'46 | 7♍28 | 19°36 | 7°44 | 28°56 | 1°38 | 11°26 | 11°52 | 4°39 | 4°13 | 22° 6 | 23°10 | 9°56 | 19°42 | M 7 |
| T 8 | 1 38 34 | 22°49'38 | 21°10 | 21°16 | 8°52 | 29°32 | 1°48 | 11°32 | 11°55 | 4°38 | 4°12 | 22° 2 | 23° 6 | 10° 3 | 19°40 | T 8 |
| W 9 | 1 42 30 | 23°49'32 | 4♎41 | 22°56 | 10° 0 | 0♍ 8 | 1°59 | 11°37 | 11°58 | 4°37 | 4°11 | 21°57 | 23° 3 | 10°10 | 19°37 | W 9 |
| T 10 | 1 46 27 | 24°49'28 | 17°57 | 24°36 | 11° 8 | 0°43 | 2° 9 | 11°42 | 12° 1 | 4°36 | 4°11 | 21°53 | 23° 0 | 10°16 | 19°34 | T 10 |
| F 11 | 1 50 23 | 25°49'25 | 0♏57 | 26°15 | 12°16 | 1°19 | 2°19 | 11°48 | 12° 3 | 4°34 | 4°10 | 21°50 | 22°57 | 10°23 | 19°31 | F 11 |
| S 12 | 1 54 20 | 26°49'25 | 13°41 | 27°53 | 13°24 | 1°54 | 2°29 | 11°54 | 12° 6 | 4°33 | 4° 9 | 21°49 | 22°54 | 10°30 | 19°28 | S 12 |
| S 13 | 1 58 17 | 27°49'27 | 26° 9 | 29°31 | 14°33 | 2°29 | 2°39 | 11°59 | 12° 9 | 4°32 | 4° 8 | 21°D49 | 22°51 | 10°37 | 19°25 | S 13 |
| M14 | 2 2 13 | 28°49'30 | 8♐22 | 1♏ 8 | 15°42 | 3° 4 | 2°49 | 12° 5 | 12°12 | 4°31 | 4° 7 | 21°50 | 22°47 | 10°43 | 19°22 | M14 |
| T 15 | 2 6 10 | 29°49'36 | 20°25 | 2°45 | 16°51 | 3°40 | 2°58 | 12°11 | 12°15 | 4°29 | 4° 6 | 21°51 | 22°44 | 10°50 | 19°19 | T 15 |
| W16 | 2 10 6 | 0♏49'43 | 2♑19 | 4°22 | 18° 0 | 4°15 | 3° 8 | 12°17 | 12°18 | 4°28 | 4° 5 | 21°53 | 22°41 | 10°57 | 19°16 | W16 |
| T 17 | 2 14 3 | 1°49'51 | 14° 9 | 5°58 | 19° 9 | 4°50 | 3°17 | 12°22 | 12°21 | 4°27 | 4° 4 | 21°54 | 22°38 | 11° 3 | 19°13 | T 17 |
| F 18 | 2 17 59 | 2°50'01 | 26° 0 | 7°33 | 20°19 | 5°25 | 3°27 | 12°28 | 12°24 | 4°25 | 4° 3 | 21°55 | 22°35 | 11°10 | 19°10 | F 18 |
| S 19 | 2 21 56 | 3°50'13 | 7♒57 | 9° 8 | 21°28 | 6° 0 | 3°36 | 12°34 | 12°27 | 4°24 | 4° 2 | 21°R55 | 22°31 | 11°17 | 19° 6 | S 19 |
| S 20 | 2 25 52 | 4°50'26 | 20° 4 | 10°43 | 22°38 | 6°34 | 3°45 | 12°40 | 12°30 | 4°22 | 4° 1 | 21°55 | 22°28 | 11°23 | 19° 3 | S 20 |
| M21 | 2 29 49 | 5°50'41 | 2♓26 | 12°18 | 23°48 | 7° 9 | 3°54 | 12°46 | 12°33 | 4°21 | 4° 0 | 21°53 | 22°25 | 11°30 | 19° 0 | M21 |
| T 22 | 2 33 46 | 6°50'57 | 15° 7 | 13°52 | 24°58 | 7°44 | 4° 3 | 12°53 | 12°36 | 4°20 | 3°59 | 21°51 | 22°22 | 11°37 | 18°57 | T 22 |
| W23 | 2 37 42 | 7°51'15 | 28° 9 | 15°25 | 26° 8 | 8°18 | 4°12 | 12°59 | 12°39 | 4°18 | 3°58 | 21°49 | 22°19 | 11°43 | 18°54 | W23 |
| T 24 | 2 41 39 | 8°51'34 | 11♈34 | 16°59 | 27°19 | 8°53 | 4°20 | 13° 5 | 12°42 | 4°17 | 3°57 | 21°47 | 22°16 | 11°50 | 18°50 | T 24 |
| F 25 | 2 45 35 | 9°51'55 | 25°21 | 18°32 | 28°29 | 9°28 | 4°29 | 13°11 | 12°45 | 4°15 | 3°56 | 21°46 | 22°12 | 11°57 | 18°47 | F 25 |
| S 26 | 2 49 32 | 10°52'18 | 9♉28 | 20° 4 | 29°40 | 10° 2 | 4°37 | 13°17 | 12°49 | 4°14 | 3°55 | 21°45 | 22° 9 | 12° 3 | 18°44 | S 26 |
| S 27 | 2 53 28 | 11°52'42 | 23°51 | 21°37 | 0♎51 | 10°36 | 4°46 | 13°24 | 12°52 | 4°12 | 3°54 | 21°D45 | 22° 6 | 12°10 | 18°40 | S 27 |
| M28 | 2 57 25 | 12°53'08 | 8♊24 | 23° 9 | 2° 2 | 11°11 | 4°54 | 13°30 | 12°55 | 4°10 | 3°53 | 21°45 | 22° 3 | 12°17 | 18°37 | M28 |
| T 29 | 3 1 21 | 13°53'36 | 23° 2 | 24°40 | 3°13 | 11°45 | 5° 2 | 13°36 | 12°58 | 4° 9 | 3°52 | 21°46 | 22° 0 | 12°24 | 18°34 | T 29 |
| W30 | 3 5 18 | 14°54'06 | 7♋37 | 26°12 | 4°24 | 12°19 | 5°10 | 13°43 | 13° 2 | 4° 7 | 3°51 | 21°46 | 21°57 | 12°30 | 18°31 | W30 |
| T 31 | 3 9 15 | 15♏54'37 | 22♋ 5 | 27♏43 | 5♎35 | 12♍53 | 5♍18 | 13♐49 | 13♐ 5 | 4♊ 6 | 3♊50 | 21♏47 | 21♏53 | 12♑37 | 18♉27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6s16 | 20n36 | 1s51 | 2s20 | 1n30 | 11n16 | 0n 8 | 14n25 | 1n24 | 12n 9 | 0n54 | 20s52 | 1n18 | 22s17 | 0s 2 | 19n32 | 1s39 | 10n 8 | 11s 7 | 18s23 | 18s42 | 19s30 | 15n 3 | 2s51 |
| W 2 | 6 39 | 20 30 | 2 59 | 3 6 | 1 25 | 10 56 | 0 12 | 14 13 | 1 24 | 12 5 | 0 54 | 20 53 | 1 17 | 22 18 | 0 2 | 19 32 | 1 39 | 10 8 | 11 7 | 18 23 | 18 41 | 19 29 | 15 2 | 2 51 |
| T 3 | 7 1 | 19 6 | 3 56 | 3 51 | 1 20 | 10 36 | 0 17 | 14 2 | 1 25 | 12 1 | 0 54 | 20 54 | 1 17 | 22 18 | 0 2 | 19 32 | 1 39 | 10 7 | 11 8 | 18 23 | 18 41 | 19 28 | 15 1 | 2 51 |
| F 4 | 7 24 | 16 32 | 4 39 | 4 36 | 1 15 | 10 16 | 0 21 | 13 50 | 1 25 | 11 58 | 0 54 | 20 55 | 1 17 | 22 18 | 0 2 | 19 32 | 1 39 | 10 7 | 11 8 | 18 23 | 18 40 | 19 27 | 15 0 | 2 51 |
| S 5 | 7 47 | 13 1 | 5 5 | 5 20 | 1 9 | 9 56 | 0 26 | 13 38 | 1 26 | 11 54 | 0 54 | 20 56 | 1 17 | 22 19 | 0 2 | 19 31 | 1 39 | 10 7 | 11 8 | 18 23 | 18 39 | 19 26 | 14 59 | 2 52 |
| S 6 | 8 9 | 8 47 | 5 12 | 6 5 | 1 3 | 9 35 | 0 30 | 13 26 | 1 26 | 11 50 | 0 54 | 20 57 | 1 17 | 22 19 | 0 2 | 19 31 | 1 39 | 10 7 | 11 8 | 18 22 | 18 38 | 19 25 | 14 58 | 2 52 |
| M 7 | 8 32 | 4 8 | 5 1 | 6 49 | 0 57 | 9 14 | 0 34 | 13 14 | 1 27 | 11 47 | 0 55 | 20 58 | 1 17 | 22 19 | 0 2 | 19 31 | 1 39 | 10 6 | 11 8 | 18 21 | 18 37 | 19 24 | 14 57 | 2 52 |
| T 8 | 8 54 | 0s41 | 4 33 | 7 32 | 0 51 | 8 52 | 0 38 | 13 2 | 1 27 | 11 43 | 0 55 | 20 59 | 1 16 | 22 20 | 0 2 | 19 31 | 1 39 | 10 6 | 11 8 | 18 20 | 18 37 | 19 23 | 14 56 | 2 52 |
| W 9 | 9 17 | 5 23 | 3 50 | 8 16 | 0 44 | 8 30 | 0 42 | 12 50 | 1 28 | 11 40 | 0 55 | 20 59 | 1 16 | 22 20 | 0 2 | 19 30 | 1 39 | 10 6 | 11 8 | 18 19 | 18 36 | 19 22 | 14 56 | 2 52 |
| T 10 | 9 39 | 9 46 | 2 55 | 8 58 | 0 38 | 8 8 | 0 46 | 12 38 | 1 28 | 11 36 | 0 55 | 21 0 | 1 16 | 22 21 | 0 2 | 19 30 | 1 39 | 10 5 | 11 8 | 18 18 | 18 35 | 19 21 | 14 55 | 2 53 |
| F 11 | 10 1 | 13 36 | 1 52 | 9 41 | 0 31 | 7 45 | 0 50 | 12 26 | 1 29 | 11 33 | 0 55 | 21 1 | 1 16 | 22 21 | 0 2 | 19 30 | 1 39 | 10 5 | 11 9 | 18 17 | 18 34 | 19 19 | 14 54 | 2 53 |
| S 12 | 10 22 | 16 42 | 0 45 | 10 22 | 0 25 | 7 22 | 0 54 | 12 13 | 1 29 | 11 29 | 0 56 | 21 2 | 1 16 | 22 21 | 0 2 | 19 30 | 1 39 | 10 5 | 11 9 | 18 17 | 18 33 | 19 18 | 14 53 | 2 53 |
| S 13 | 10 44 | 18 58 | 0n24 | 11 3 | 0 18 | 6 59 | 0 58 | 12 1 | 1 30 | 11 26 | 0 56 | 21 3 | 1 16 | 22 22 | 0 2 | 19 29 | 1 39 | 10 5 | 11 9 | 18 17 | 18 33 | 19 17 | 14 52 | 2 53 |
| M14 | 11 5 | 20 17 | 1 30 | 11 44 | 0 11 | 6 36 | 1 1 | 11 49 | 1 30 | 11 23 | 0 56 | 21 4 | 1 16 | 22 22 | 0 2 | 19 29 | 1 39 | 10 4 | 11 9 | 18 17 | 18 32 | 19 16 | 14 51 | 2 53 |
| T 15 | 11 27 | 20 39 | 2 31 | 12 24 | 0 5 | 6 12 | 1 5 | 11 36 | 1 31 | 11 19 | 0 56 | 21 5 | 1 15 | 22 23 | 0 3 | 19 29 | 1 39 | 10 4 | 11 9 | 18 17 | 18 31 | 19 15 | 14 50 | 2 54 |
| W16 | 11 48 | 20 5 | 3 25 | 13 3 | 0s 2 | 5 48 | 1 8 | 11 24 | 1 31 | 11 16 | 0 56 | 21 6 | 1 15 | 22 23 | 0 3 | 19 29 | 1 39 | 10 4 | 11 9 | 18 18 | 18 30 | 19 14 | 14 49 | 2 54 |
| T 17 | 12 9 | 18 37 | 4 10 | 13 41 | 0 9 | 5 24 | 1 11 | 11 12 | 1 32 | 11 13 | 0 57 | 21 7 | 1 15 | 22 23 | 0 3 | 19 28 | 1 39 | 10 4 | 11 9 | 18 18 | 18 29 | 19 13 | 14 48 | 2 54 |
| F 18 | 12 30 | 16 21 | 4 45 | 14 19 | 0 15 | 4 59 | 1 14 | 10 59 | 1 32 | 11 9 | 0 57 | 21 7 | 1 15 | 22 24 | 0 3 | 19 28 | 1 39 | 10 3 | 11 9 | 18 18 | 18 28 | 19 12 | 14 47 | 2 54 |
| S 19 | 12 50 | 13 24 | 5 7 | 14 56 | 0 22 | 4 34 | 1 17 | 10 47 | 1 33 | 11 6 | 0 57 | 21 8 | 1 15 | 22 24 | 0 3 | 19 28 | 1 39 | 10 3 | 11 9 | 18 18 | 18 28 | 19 11 | 14 46 | 2 54 |
| S 20 | 13 11 | 9 50 | 5 16 | 15 32 | 0 29 | 4 10 | 1 20 | 10 34 | 1 33 | 11 3 | 0 57 | 21 9 | 1 15 | 22 24 | 0 3 | 19 27 | 1 39 | 10 3 | 11 9 | 18 18 | 18 27 | 19 9 | 14 45 | 2 54 |
| M21 | 13 31 | 5 48 | 5 11 | 16 8 | 0 35 | 3 44 | 1 23 | 10 22 | 1 34 | 11 0 | 0 57 | 21 10 | 1 15 | 22 25 | 0 3 | 19 27 | 1 39 | 10 3 | 11 10 | 18 18 | 18 26 | 19 8 | 14 44 | 2 54 |
| T 22 | 13 51 | 1 25 | 4 51 | 16 43 | 0 42 | 3 19 | 1 26 | 10 9 | 1 35 | 10 57 | 0 58 | 21 11 | 1 14 | 22 25 | 0 3 | 19 27 | 1 39 | 10 2 | 11 10 | 18 17 | 18 25 | 19 7 | 14 43 | 2 55 |
| W23 | 14 10 | 3n10 | 4 15 | 17 17 | 0 48 | 2 53 | 1 28 | 9 57 | 1 35 | 10 54 | 0 58 | 21 12 | 1 14 | 22 26 | 0 3 | 19 27 | 1 39 | 10 2 | 11 10 | 18 17 | 18 24 | 19 6 | 14 42 | 2 55 |
| T 24 | 14 30 | 7 44 | 3 25 | 17 50 | 0 54 | 2 28 | 1 31 | 9 44 | 1 36 | 10 51 | 0 58 | 21 13 | 1 14 | 22 26 | 0 3 | 19 26 | 1 39 | 10 2 | 11 10 | 18 16 | 18 24 | 19 5 | 14 41 | 2 55 |
| F 25 | 14 49 | 12 2 | 2 21 | 18 22 | 1 1 | 2 2 | 1 33 | 9 32 | 1 36 | 10 48 | 0 58 | 21 14 | 1 14 | 22 27 | 0 3 | 19 26 | 1 39 | 10 2 | 11 10 | 18 16 | 18 23 | 19 4 | 14 40 | 2 55 |
| S 26 | 15 8 | 15 46 | 1 8 | 18 53 | 1 7 | 1 36 | 1 36 | 9 19 | 1 37 | 10 45 | 0 58 | 21 15 | 1 14 | 22 27 | 0 3 | 19 26 | 1 39 | 10 1 | 11 10 | 18 16 | 18 22 | 19 3 | 14 39 | 2 55 |
| S 27 | 15 27 | 18 36 | 0s12 | 19 24 | 1 13 | 1 9 | 1 38 | 9 7 | 1 37 | 10 42 | 0 59 | 21 16 | 1 14 | 22 27 | 0 3 | 19 25 | 1 39 | 10 1 | 11 10 | 18 16 | 18 21 | 19 1 | 14 38 | 2 55 |
| M28 | 15 45 | 20 17 | 1 31 | 19 53 | 1 19 | 0 43 | 1 40 | 8 54 | 1 38 | 10 39 | 0 59 | 21 16 | 1 14 | 22 28 | 0 3 | 19 25 | 1 40 | 10 1 | 11 10 | 18 16 | 18 20 | 19 0 | 14 37 | 2 55 |
| T 29 | 16 4 | 20 35 | 2 45 | 20 22 | 1 24 | 0 17 | 1 42 | 8 42 | 1 38 | 10 37 | 0 59 | 21 17 | 1 14 | 22 28 | 0 3 | 19 25 | 1 40 | 10 1 | 11 10 | 18 16 | 18 19 | 18 59 | 14 35 | 2 56 |
| W30 | 16 22 | 19 30 | 3 48 | 20 49 | 1 30 | 0s10 | 1 44 | 8 29 | 1 39 | 10 34 | 0 59 | 21 18 | 1 14 | 22 29 | 0 3 | 19 24 | 1 40 | 10 0 | 11 10 | 18 16 | 18 19 | 18 58 | 14 34 | 2 56 |
| T 31 | 16s39 | 17n 9 | 4s36 | 21s15 | 1s35 | 0s37 | 1n46 | 8n16 | 1n39 | 10n31 | 1n 0 | 21s19 | 1n13 | 22s29 | 0s 3 | 19n24 | 1s40 | 10n 0 | 11s10 | 18s16 | 18s18 | 18s57 | 14n33 | 2s56 |

Julian Day Number = 2231950.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'58, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'11, Lahiri = 15°28'11 Julian Calendar 1 Oct. 1398 == Greg. Calendar 9 Oct. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## NOVEMBER 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 13 11 | 16♏55'10 | 6♌23 | 29♏14 | 6♎47 | 13♍27 | 5♍26 | 13♐56 | 13♐ 8 | 4°R 4 | 3°R49 | 21♏47 | 21♏50 | 12♑44 | 18°R24 | F 1 |
| S 2 | 3 17 8 | 17°55'46 | 20°27 | 0♐45 | 7°58 | 14° 1 | 5°33 | 14° 2 | 13°12 | 4♊ 2 | 3♊48 | 21°R47 | 21°47 | 12°50 | 18♉21 | S 2 |
| S 3 | 3 21 4 | 18°56'22 | 4♍17 | 2°15 | 9°10 | 14°34 | 5°41 | 14° 9 | 13°15 | 4° 1 | 3°47 | 21°47 | 21°44 | 12°57 | 18°17 | S 3 |
| M 4 | 3 25 1 | 19°57'01 | 17°51 | 3°45 | 10°22 | 15° 8 | 5°48 | 14°16 | 13°19 | 3°59 | 3°46 | 21°47 | 21°41 | 13° 4 | 18°14 | M 4 |
| T 5 | 3 28 57 | 20°57'41 | 1♎11 | 5°15 | 11°34 | 15°42 | 5°55 | 14°22 | 13°22 | 3°58 | 3°45 | 21°47 | 21°37 | 13°10 | 18°11 | T 5 |
| W 6 | 3 32 54 | 21°58'23 | 14°16 | 6°44 | 12°46 | 16°15 | 6° 2 | 14°29 | 13°25 | 3°56 | 3°43 | 21°D47 | 21°34 | 13°17 | 18° 7 | W 6 |
| T 7 | 3 36 50 | 22°59'07 | 27° 7 | 8°13 | 13°58 | 16°49 | 6° 9 | 14°36 | 13°29 | 3°54 | 3°42 | 21°47 | 21°31 | 13°24 | 18° 4 | T 7 |
| F 8 | 3 40 47 | 23°59'52 | 9♏46 | 9°42 | 15°10 | 17°22 | 6°16 | 14°42 | 13°32 | 3°53 | 3°41 | 21°47 | 21°28 | 13°30 | 18° 1 | F 8 |
| S 9 | 3 44 44 | 25° 0'39 | 22°12 | 11°10 | 16°22 | 17°55 | 6°22 | 14°49 | 13°36 | 3°51 | 3°40 | 21°R47 | 21°25 | 13°37 | 17°57 | S 9 |
| S 10 | 3 48 40 | 26° 1'27 | 4♐28 | 12°38 | 17°34 | 18°29 | 6°28 | 14°56 | 13°39 | 3°49 | 3°39 | 21°47 | 21°22 | 13°44 | 17°54 | S 10 |
| M11 | 3 52 37 | 27° 2'16 | 16°34 | 14° 5 | 18°47 | 19° 2 | 6°35 | 15° 3 | 13°43 | 3°48 | 3°38 | 21°47 | 21°18 | 13°51 | 17°51 | M11 |
| T 12 | 3 56 33 | 28° 3'06 | 28°32 | 15°31 | 19°59 | 19°35 | 6°41 | 15°10 | 13°46 | 3°46 | 3°37 | 21°46 | 21°15 | 13°57 | 17°47 | T 12 |
| W13 | 4 0 30 | 29° 3'58 | 10♑25 | 16°57 | 21°12 | 20° 7 | 6°47 | 15°16 | 13°50 | 3°44 | 3°35 | 21°45 | 21°12 | 14° 4 | 17°44 | W13 |
| T 14 | 4 4 26 | 0♐ 4'50 | 22°15 | 18°21 | 22°25 | 20°40 | 6°53 | 15°23 | 13°54 | 3°42 | 3°34 | 21°44 | 21° 9 | 14°11 | 17°41 | T 14 |
| F 15 | 4 8 23 | 1° 5'44 | 4♒ 5 | 19°45 | 23°37 | 21°13 | 6°58 | 15°30 | 13°57 | 3°41 | 3°33 | 21°43 | 21° 6 | 14°17 | 17°38 | F 15 |
| S 16 | 4 12 19 | 2° 6'38 | 16° 0 | 21° 7 | 24°50 | 21°45 | 7° 4 | 15°37 | 14° 1 | 3°39 | 3°32 | 21°42 | 21° 3 | 14°24 | 17°34 | S 16 |
| S 17 | 4 16 16 | 3° 7'33 | 28° 4 | 22°29 | 26° 3 | 22°18 | 7° 9 | 15°44 | 14° 4 | 3°37 | 3°31 | 21°D41 | 20°59 | 14°31 | 17°31 | S 17 |
| M18 | 4 20 13 | 4° 8'29 | 10♓22 | 23°48 | 27°16 | 22°50 | 7°14 | 15°51 | 14° 8 | 3°36 | 3°30 | 21°41 | 20°56 | 14°37 | 17°28 | M18 |
| T 19 | 4 24 9 | 5° 9'26 | 22°57 | 25° 6 | 28°29 | 23°23 | 7°19 | 15°58 | 14°12 | 3°34 | 3°29 | 21°42 | 20°53 | 14°44 | 17°25 | T 19 |
| W20 | 4 28 6 | 6°10'23 | 5♈55 | 26°21 | 29°42 | 23°55 | 7°24 | 16° 5 | 14°15 | 3°32 | 3°27 | 21°43 | 20°50 | 14°51 | 17°22 | W20 |
| T 21 | 4 32 2 | 7°11'21 | 19°18 | 27°34 | 0♏55 | 24°27 | 7°29 | 16°12 | 14°19 | 3°31 | 3°26 | 21°44 | 20°47 | 14°58 | 17°19 | T 21 |
| F 22 | 4 35 59 | 8°12'20 | 3♉ 7 | 28°45 | 2° 9 | 24°59 | 7°33 | 16°19 | 14°22 | 3°29 | 3°25 | 21°45 | 20°43 | 15° 4 | 17°16 | F 22 |
| S 23 | 4 39 55 | 9°13'19 | 17°23 | 29°52 | 3°22 | 25°30 | 7°38 | 16°26 | 14°26 | 3°27 | 3°24 | 21°R46 | 20°40 | 15°11 | 17°13 | S 23 |
| S 24 | 4 43 52 | 10°14'19 | 2♊ 1 | 0♑55 | 4°35 | 26° 2 | 7°42 | 16°33 | 14°30 | 3°26 | 3°23 | 21°46 | 20°37 | 15°18 | 17°10 | S 24 |
| M25 | 4 47 48 | 11°15'21 | 16°56 | 1°53 | 5°49 | 26°34 | 7°46 | 16°40 | 14°33 | 3°24 | 3°22 | 21°45 | 20°34 | 15°24 | 17° 7 | M25 |
| T 26 | 4 51 45 | 12°16'23 | 2♋ 0 | 2°47 | 7° 2 | 27° 5 | 7°50 | 16°47 | 14°37 | 3°22 | 3°21 | 21°42 | 20°31 | 15°31 | 17° 4 | T 26 |
| W27 | 4 55 42 | 13°17'25 | 17° 3 | 3°35 | 8°16 | 27°36 | 7°53 | 16°54 | 14°41 | 3°20 | 3°19 | 21°40 | 20°28 | 15°38 | 17° 1 | W27 |
| T 28 | 4 59 38 | 14°18'29 | 1♌57 | 4°16 | 9°29 | 28° 7 | 7°57 | 17° 1 | 14°44 | 3°19 | 3°18 | 21°36 | 20°24 | 15°44 | 16°58 | T 28 |
| F 29 | 5 3 35 | 15°19'34 | 16°34 | 4°51 | 10°43 | 28°39 | 8° 0 | 17° 8 | 14°48 | 3°17 | 3°17 | 21°34 | 20°21 | 15°51 | 16°55 | F 29 |
| S 30 | 5 7 31 | 16♐20'39 | 0♍49 | 5♑16 | 11♏57 | 29♍ 9 | 8♍ 3 | 17♐15 | 14♐52 | 3♊16 | 3♊16 | 21♏32 | 20♏18 | 15♑58 | 16♉52 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s57 | 13n47 | 5s 6 | 21s41 | 1s40 | 1s 4 | 1n47 | 8n 4 | 1n40 | 10n29 | 1n 0 | 21s20 | 1n13 | 22s30 | 0s 3 | 19n24 | 1s40 | 10n 0 | 11s10 | 18s16 | 18s17 | 18s56 | 14n32 | 2s56 |
| S 2 | 17 14 | 9 42 | 5 17 | 22 5 | 1 45 | 1 30 | 1 49 | 7 51 | 1 40 | 10 26 | 1 0 | 21 21 | 1 13 | 22 30 | 0 3 | 19 24 | 1 40 | 10 0 | 11 10 | 18 16 | 18 16 | 18 54 | 14 31 | 2 56 |
| S 3 | 17 31 | 5 9 | 5 10 | 22 29 | 1 50 | 1 57 | 1 50 | 7 39 | 1 41 | 10 24 | 1 0 | 21 22 | 1 13 | 22 30 | 0 3 | 19 23 | 1 40 | 10 0 | 11 10 | 18 16 | 18 15 | 18 53 | 14 30 | 2 56 |
| M 4 | 17 47 | 0 26 | 4 45 | 22 51 | 1 55 | 2 24 | 1 52 | 7 26 | 1 41 | 10 21 | 1 0 | 21 23 | 1 13 | 22 31 | 0 3 | 19 23 | 1 40 | 9 59 | 11 10 | 18 16 | 18 15 | 18 52 | 14 29 | 2 56 |
| T 5 | 18 3 | 4s13 | 4 6 | 23 12 | 1 59 | 2 51 | 1 53 | 7 13 | 1 42 | 10 19 | 1 1 | 21 23 | 1 13 | 22 31 | 0 3 | 19 23 | 1 40 | 9 59 | 11 10 | 18 16 | 18 14 | 18 51 | 14 28 | 2 56 |
| W 6 | 18 19 | 8 37 | 3 14 | 23 31 | 2 3 | 3 18 | 1 54 | 7 1 | 1 42 | 10 16 | 1 1 | 21 24 | 1 13 | 22 32 | 0 3 | 19 22 | 1 40 | 9 59 | 11 10 | 18 16 | 18 13 | 18 50 | 14 27 | 2 56 |
| T 7 | 18 35 | 12 33 | 2 13 | 23 50 | 2 7 | 3 45 | 1 55 | 6 48 | 1 43 | 10 14 | 1 1 | 21 25 | 1 13 | 22 32 | 0 3 | 19 22 | 1 40 | 9 59 | 11 10 | 18 16 | 18 12 | 18 48 | 14 26 | 2 57 |
| F 8 | 18 50 | 15 50 | 1 6 | 24 7 | 2 10 | 4 12 | 1 56 | 6 36 | 1 44 | 10 12 | 1 1 | 21 26 | 1 13 | 22 33 | 0 3 | 19 22 | 1 40 | 9 59 | 11 10 | 18 16 | 18 11 | 18 47 | 14 25 | 2 57 |
| S 9 | 19 5 | 18 20 | 0n 2 | 24 23 | 2 13 | 4 39 | 1 57 | 6 23 | 1 44 | 10 9 | 1 2 | 21 27 | 1 12 | 22 33 | 0 3 | 19 21 | 1 40 | 9 58 | 11 10 | 18 16 | 18 10 | 18 46 | 14 24 | 2 57 |
| S 10 | 19 19 | 19 57 | 1 10 | 24 38 | 2 16 | 5 6 | 1 58 | 6 11 | 1 45 | 10 7 | 1 2 | 21 28 | 1 12 | 22 33 | 0 3 | 19 21 | 1 40 | 9 58 | 11 10 | 18 16 | 18 10 | 18 45 | 14 23 | 2 57 |
| M11 | 19 34 | 20 37 | 2 13 | 24 51 | 2 18 | 5 33 | 1 59 | 5 58 | 1 45 | 10 5 | 1 2 | 21 29 | 1 12 | 22 34 | 0 3 | 19 21 | 1 40 | 9 58 | 11 10 | 18 16 | 18 9 | 18 44 | 14 22 | 2 57 |
| T 12 | 19 47 | 20 20 | 3 10 | 25 3 | 2 20 | 6 0 | 1 59 | 5 46 | 1 46 | 10 3 | 1 2 | 21 29 | 1 12 | 22 34 | 0 3 | 19 20 | 1 40 | 9 58 | 11 10 | 18 16 | 18 8 | 18 42 | 14 21 | 2 57 |
| W13 | 20 1 | 19 9 | 3 58 | 25 14 | 2 22 | 6 27 | 2 0 | 5 33 | 1 46 | 10 1 | 1 3 | 21 30 | 1 12 | 22 35 | 0 3 | 19 20 | 1 40 | 9 58 | 11 10 | 18 16 | 18 7 | 18 41 | 14 21 | 2 57 |
| T 14 | 20 14 | 17 8 | 4 36 | 25 23 | 2 23 | 6 54 | 2 0 | 5 21 | 1 47 | 9 59 | 1 3 | 21 31 | 1 12 | 22 35 | 0 3 | 19 20 | 1 40 | 9 57 | 11 10 | 18 15 | 18 6 | 18 40 | 14 20 | 2 57 |
| F 15 | 20 27 | 14 24 | 5 2 | 25 31 | 2 24 | 7 20 | 2 0 | 5 8 | 1 47 | 9 57 | 1 3 | 21 32 | 1 12 | 22 36 | 0 3 | 19 19 | 1 40 | 9 57 | 11 10 | 18 15 | 18 5 | 18 39 | 14 19 | 2 57 |
| S 16 | 20 39 | 11 4 | 5 15 | 25 37 | 2 24 | 7 47 | 2 0 | 4 56 | 1 48 | 9 56 | 1 3 | 21 33 | 1 12 | 22 36 | 0 3 | 19 19 | 1 40 | 9 57 | 11 10 | 18 15 | 18 5 | 18 38 | 14 18 | 2 57 |
| S 17 | 20 51 | 7 15 | 5 15 | 25 42 | 2 24 | 8 13 | 2 1 | 4 44 | 1 48 | 9 54 | 1 4 | 21 34 | 1 12 | 22 36 | 0 3 | 19 19 | 1 40 | 9 57 | 11 10 | 18 15 | 18 4 | 18 36 | 14 17 | 2 57 |
| M18 | 21 3 | 3 4 | 5 0 | 25 45 | 2 23 | 8 40 | 2 1 | 4 31 | 1 49 | 9 52 | 1 4 | 21 34 | 1 12 | 22 37 | 0 3 | 19 19 | 1 40 | 9 57 | 11 10 | 18 15 | 18 3 | 18 35 | 14 16 | 2 57 |
| T 19 | 21 14 | 1n21 | 4 31 | 25 46 | 2 21 | 9 6 | 2 0 | 4 19 | 1 50 | 9 51 | 1 4 | 21 35 | 1 12 | 22 37 | 0 3 | 19 18 | 1 40 | 9 57 | 11 10 | 18 15 | 18 2 | 18 34 | 14 15 | 2 57 |
| W20 | 21 24 | 5 50 | 3 47 | 25 46 | 2 19 | 9 32 | 2 0 | 4 7 | 1 50 | 9 49 | 1 4 | 21 36 | 1 11 | 22 38 | 0 3 | 19 18 | 1 40 | 9 56 | 11 10 | 18 15 | 18 1 | 18 33 | 14 14 | 2 57 |
| T 21 | 21 35 | 10 12 | 2 50 | 25 45 | 2 16 | 9 57 | 2 0 | 3 54 | 1 51 | 9 47 | 1 5 | 21 37 | 1 11 | 22 38 | 0 3 | 19 18 | 1 40 | 9 56 | 11 10 | 18 15 | 18 0 | 18 31 | 14 13 | 2 57 |
| F 22 | 21 45 | 14 11 | 1 41 | 25 42 | 2 12 | 10 23 | 2 0 | 3 42 | 1 51 | 9 46 | 1 5 | 21 38 | 1 11 | 22 39 | 0 3 | 19 17 | 1 40 | 9 56 | 11 10 | 18 16 | 17 59 | 18 30 | 14 12 | 2 57 |
| S 23 | 21 54 | 17 28 | 0 24 | 25 38 | 2 7 | 10 49 | 1 59 | 3 30 | 1 52 | 9 45 | 1 5 | 21 38 | 1 11 | 22 39 | 0 3 | 19 17 | 1 40 | 9 56 | 11 10 | 18 16 | 17 59 | 18 29 | 14 11 | 2 57 |
| S 24 | 22 3 | 19 43 | 0s56 | 25 32 | 2 1 | 11 14 | 1 59 | 3 18 | 1 52 | 9 43 | 1 5 | 21 39 | 1 11 | 22 39 | 0 3 | 19 17 | 1 40 | 9 56 | 11 10 | 18 16 | 17 58 | 18 28 | 14 10 | 2 57 |
| M25 | 22 12 | 20 38 | 2 15 | 25 24 | 1 54 | 11 39 | 1 58 | 3 6 | 1 53 | 9 42 | 1 6 | 21 40 | 1 11 | 22 40 | 0 3 | 19 16 | 1 40 | 9 56 | 11 10 | 18 16 | 17 57 | 18 26 | 14 10 | 2 57 |
| T 26 | 22 20 | 20 6 | 3 24 | 25 16 | 1 46 | 12 4 | 1 57 | 2 54 | 1 54 | 9 41 | 1 6 | 21 41 | 1 11 | 22 40 | 0 3 | 19 16 | 1 40 | 9 56 | 11 10 | 18 15 | 17 56 | 18 25 | 14 9 | 2 57 |
| W27 | 22 28 | 18 8 | 4 19 | 25 5 | 1 37 | 12 28 | 1 56 | 2 42 | 1 54 | 9 40 | 1 6 | 21 41 | 1 11 | 22 41 | 0 3 | 19 16 | 1 40 | 9 55 | 11 10 | 18 14 | 17 55 | 18 24 | 14 8 | 2 57 |
| T 28 | 22 35 | 14 58 | 4 56 | 24 54 | 1 27 | 12 52 | 1 56 | 2 30 | 1 55 | 9 39 | 1 7 | 21 42 | 1 11 | 22 41 | 0 3 | 19 15 | 1 39 | 9 55 | 11 9 | 18 13 | 17 54 | 18 23 | 14 7 | 2 57 |
| F 29 | 22 42 | 10 56 | 5 14 | 24 41 | 1 16 | 13 16 | 1 55 | 2 18 | 1 55 | 9 38 | 1 7 | 21 43 | 1 11 | 22 42 | 0 3 | 19 15 | 1 39 | 9 55 | 11 9 | 18 13 | 17 54 | 18 21 | 14 6 | 2 57 |
| S 30 | 22s49 | 6n22 | 5s11 | 24s28 | 1s 3 | 13s40 | 1n54 | 2n 6 | 1n56 | 9n37 | 1n 7 | 21s44 | 1n11 | 22s42 | 0s 3 | 19n15 | 1s39 | 9n55 | 11s 9 | 18s12 | 17s53 | 18s20 | 14n 6 | 2s57 |

Julian Day Number = 2231981.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'57, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'15, Lahiri = 15°28'16 Julian Calendar 1 Nov. 1398 == Greg. Calendar 9 Nov. 1398


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# ASTRODIENST EPHEMERIS for the year 1398
# geocentric

## DECEMBER 1398 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 11 28 | 17♐21'45 | 14♍41 | 5♑33 | 13♏10 | 29♍40 | 8♍ 6 | 17♐22 | 14♐55 | 3°R14 | 3°R15 | 21°D31 | 20♏15 | 16♑ 5 | 16°R50 | S 1 |
| M 2 | 5 15 24 | 18°22'53 | 28°10 | 5°R40 | 14°24 | 0♎11 | 8° 9 | 17°29 | 14°59 | 3♊12 | 3♊14 | 21♏31 | 20°12 | 16°11 | 16♉47 | M 2 |
| T 3 | 5 19 21 | 19°24'01 | 11♎18 | 5°36 | 15°38 | 0°41 | 8°11 | 17°36 | 15° 2 | 3°11 | 3°13 | 21°32 | 20° 9 | 16°18 | 16°44 | T 3 |
| W 4 | 5 23 17 | 20°25'09 | 24° 6 | 5°20 | 16°52 | 1°12 | 8°14 | 17°43 | 15° 6 | 3° 9 | 3°12 | 21°34 | 20° 5 | 16°25 | 16°42 | W 4 |
| T 5 | 5 27 14 | 21°26'19 | 6♏40 | 4°53 | 18° 6 | 1°42 | 8°16 | 17°50 | 15°10 | 3° 7 | 3°11 | 21°36 | 20° 2 | 16°31 | 16°39 | T 5 |
| F 6 | 5 31 11 | 22°27'29 | 19° 0 | 4°14 | 19°20 | 2°12 | 8°18 | 17°57 | 15°13 | 3° 6 | 3°10 | 21°R37 | 19°59 | 16°38 | 16°36 | F 6 |
| S 7 | 5 35 7 | 23°28'40 | 1♐11 | 3°24 | 20°34 | 2°42 | 8°20 | 18° 4 | 15°17 | 3° 4 | 3° 8 | 21°36 | 19°56 | 16°45 | 16°34 | S 7 |
| S 8 | 5 39 4 | 24°29'51 | 13°14 | 2°23 | 21°48 | 3°12 | 8°21 | 18°11 | 15°21 | 3° 3 | 3° 7 | 21°34 | 19°53 | 16°51 | 16°31 | S 8 |
| M 9 | 5 43 0 | 25°31'03 | 25°12 | 1°14 | 23° 2 | 3°41 | 8°23 | 18°18 | 15°24 | 3° 1 | 3° 6 | 21°30 | 19°49 | 16°58 | 16°29 | M 9 |
| T 10 | 5 46 57 | 26°32'15 | 7♑ 5 | 29♐58 | 24°16 | 4°11 | 8°24 | 18°25 | 15°28 | 3° 0 | 3° 5 | 21°25 | 19°46 | 17° 5 | 16°27 | T 10 |
| W11 | 5 50 53 | 27°33'27 | 18°56 | 28°38 | 25°30 | 4°40 | 8°25 | 18°32 | 15°31 | 2°58 | 3° 4 | 21°18 | 19°43 | 17°12 | 16°24 | W11 |
| T 12 | 5 54 50 | 28°34'39 | 0♒46 | 27°16 | 26°44 | 5° 9 | 8°26 | 18°39 | 15°35 | 2°57 | 3° 3 | 21°10 | 19°40 | 17°18 | 16°22 | T 12 |
| F 13 | 5 58 46 | 29°35'51 | 12°38 | 25°55 | 27°58 | 5°38 | 8°26 | 18°46 | 15°39 | 2°55 | 3° 2 | 21° 3 | 19°37 | 17°25 | 16°20 | F 13 |
| S 14 | 6 2 43 | 0♑37'03 | 24°34 | 24°38 | 29°13 | 6° 7 | 8°27 | 18°53 | 15°42 | 2°54 | 3° 1 | 20°57 | 19°34 | 17°32 | 16°18 | S 14 |
| S 15 | 6 6 40 | 1°38'15 | 6♓38 | 23°26 | 0♐27 | 6°35 | 8°27 | 19° 0 | 15°46 | 2°52 | 3° 0 | 20°52 | 19°30 | 17°38 | 16°16 | S 15 |
| M16 | 6 10 36 | 2°39'26 | 18°52 | 22°23 | 1°41 | 7° 4 | 8°R27 | 19° 7 | 15°49 | 2°51 | 2°59 | 20°49 | 19°27 | 17°45 | 16°14 | M16 |
| T 17 | 6 14 33 | 3°40'38 | 1♈22 | 21°28 | 2°56 | 7°32 | 8°27 | 19°14 | 15°53 | 2°49 | 2°58 | 20°D47 | 19°24 | 17°52 | 16°12 | T 17 |
| W18 | 6 18 29 | 4°41'49 | 14°11 | 20°43 | 4°10 | 8° 0 | 8°27 | 19°21 | 15°56 | 2°48 | 2°57 | 20°48 | 19°21 | 17°58 | 16°10 | W18 |
| T 19 | 6 22 26 | 5°42'59 | 27°24 | 20° 8 | 5°24 | 8°28 | 8°26 | 19°28 | 16° 0 | 2°46 | 2°56 | 20°49 | 19°18 | 18° 5 | 16° 8 | T 19 |
| F 20 | 6 26 22 | 6°44'09 | 11♉ 4 | 19°44 | 6°39 | 8°55 | 8°25 | 19°35 | 16° 3 | 2°45 | 2°55 | 20°50 | 19°15 | 18°12 | 16° 6 | F 20 |
| S 21 | 6 30 19 | 7°45'19 | 25°13 | 19°29 | 7°53 | 9°23 | 8°24 | 19°42 | 16° 7 | 2°44 | 2°54 | 20°R51 | 19°11 | 18°19 | 16° 4 | S 21 |
| S 22 | 6 34 15 | 8°46'29 | 9♊49 | 19°D24 | 9° 7 | 9°50 | 8°23 | 19°48 | 16°10 | 2°42 | 2°54 | 20°49 | 19° 8 | 18°25 | 16° 3 | S 22 |
| M23 | 6 38 12 | 9°47'38 | 24°48 | 19°27 | 10°22 | 10°17 | 8°22 | 19°55 | 16°14 | 2°41 | 2°53 | 20°45 | 19° 5 | 18°32 | 16° 1 | M23 |
| T 24 | 6 42 9 | 10°48'47 | 10♋ 3 | 19°39 | 11°36 | 10°44 | 8°21 | 20° 2 | 16°17 | 2°40 | 2°52 | 20°39 | 19° 2 | 18°39 | 16° 0 | T 24 |
| W25 | 6 46 5 | 11°49'55 | 25°24 | 19°59 | 12°51 | 11°10 | 8°19 | 20° 9 | 16°20 | 2°39 | 2°51 | 20°32 | 18°59 | 18°45 | 15°58 | W25 |
| T 26 | 6 50 2 | 12°51'04 | 10♌38 | 20°25 | 14° 5 | 11°37 | 8°17 | 20°15 | 16°24 | 2°37 | 2°50 | 20°23 | 18°55 | 18°52 | 15°57 | T 26 |
| F 27 | 6 53 58 | 13°52'11 | 25°35 | 20°57 | 15°20 | 12° 3 | 8°15 | 20°22 | 16°27 | 2°36 | 2°49 | 20°15 | 18°52 | 18°59 | 15°55 | F 27 |
| S 28 | 6 57 55 | 14°53'19 | 10♍ 8 | 21°36 | 16°34 | 12°29 | 8°13 | 20°29 | 16°30 | 2°35 | 2°48 | 20° 9 | 18°49 | 19° 5 | 15°54 | S 28 |
| S 29 | 7 1 51 | 15°54'26 | 24°13 | 22°19 | 17°49 | 12°55 | 8°10 | 20°35 | 16°34 | 2°34 | 2°48 | 20° 4 | 18°46 | 19°12 | 15°53 | S 29 |
| M30 | 7 5 48 | 16°55'34 | 7♎48 | 23° 6 | 19° 3 | 13°20 | 8° 8 | 20°42 | 16°37 | 2°33 | 2°47 | 20° 2 | 18°43 | 19°19 | 15°52 | M30 |
| T 31 | 7 9 44 | 17♑56'41 | 20♎56 | 23♐58 | 20♐18 | 13♎45 | 8♍ 5 | 20♐48 | 16♐40 | 2♊32 | 2♊46 | 20°D 2 | 18♏40 | 19♑26 | 15♉51 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s55 | 1n36 | 4s49 | 24s13 | 0s49 | 14s 3 | 1n53 | 1n55 | 1n56 | 9n36 | 1n 7 | 21s44 | 1n11 | 22s42 | 0s 3 | 19n15 | 1s39 | 9n55 | 11s 9 | 18s12 | 17s52 | 18s19 | 14n 5 | 2s57 |
| M 2 | 23 0 | 3s 8 | 4 13 | 23 57 | 0 34 | 14 26 | 1 51 | 1 43 | 1 57 | 9 35 | 1 8 | 21 45 | 1 11 | 22 43 | 0 3 | 19 14 | 1 39 | 9 55 | 11 9 | 18 12 | 17 51 | 18 18 | 14 4 | 2 57 |
| T 3 | 23 5 | 7 36 | 3 24 | 23 41 | 0 17 | 14 49 | 1 50 | 1 31 | 1 58 | 9 35 | 1 8 | 21 46 | 1 11 | 22 43 | 0 3 | 19 14 | 1 39 | 9 55 | 11 9 | 18 12 | 17 50 | 18 16 | 14 3 | 2 57 |
| W 4 | 23 10 | 11 38 | 2 25 | 23 24 | 0n 1 | 15 11 | 1 49 | 1 20 | 1 58 | 9 34 | 1 8 | 21 47 | 1 11 | 22 44 | 0 3 | 19 14 | 1 39 | 9 55 | 11 9 | 18 13 | 17 49 | 18 15 | 14 3 | 2 57 |
| T 5 | 23 14 | 15 4 | 1 21 | 23 6 | 0 19 | 15 33 | 1 47 | 1 8 | 1 59 | 9 33 | 1 8 | 21 47 | 1 10 | 22 44 | 0 3 | 19 13 | 1 39 | 9 55 | 11 9 | 18 13 | 17 48 | 18 14 | 14 2 | 2 57 |
| F 6 | 23 18 | 17 45 | 0 14 | 22 48 | 0 39 | 15 55 | 1 46 | 0 57 | 1 59 | 9 33 | 1 9 | 21 48 | 1 10 | 22 45 | 0 3 | 19 13 | 1 39 | 9 54 | 11 9 | 18 13 | 17 48 | 18 12 | 14 1 | 2 57 |
| S 7 | 23 21 | 19 37 | 0n52 | 22 30 | 0 59 | 16 16 | 1 44 | 0 45 | 2 0 | 9 32 | 1 9 | 21 49 | 1 10 | 22 45 | 0 3 | 19 13 | 1 39 | 9 54 | 11 9 | 18 13 | 17 47 | 18 11 | 14 0 | 2 57 |
| S 8 | 23 24 | 20 33 | 1 56 | 22 11 | 1 19 | 16 37 | 1 43 | 0 34 | 2 0 | 9 32 | 1 9 | 21 49 | 1 10 | 22 45 | 0 3 | 19 13 | 1 39 | 9 54 | 11 8 | 18 13 | 17 46 | 18 10 | 14 0 | 2 57 |
| M 9 | 23 26 | 20 33 | 2 53 | 21 52 | 1 38 | 16 58 | 1 41 | 0 23 | 2 1 | 9 32 | 1 10 | 21 50 | 1 10 | 22 46 | 0 3 | 19 12 | 1 39 | 9 54 | 11 8 | 18 12 | 17 45 | 18 9 | 13 59 | 2 57 |
| T 10 | 23 28 | 19 37 | 3 43 | 21 34 | 1 57 | 17 18 | 1 39 | 0 12 | 2 2 | 9 32 | 1 10 | 21 51 | 1 10 | 22 46 | 0 3 | 19 12 | 1 39 | 9 54 | 11 8 | 18 10 | 17 44 | 18 7 | 13 59 | 2 57 |
| W11 | 23 30 | 17 51 | 4 22 | 21 16 | 2 14 | 17 37 | 1 38 | 0 1 | 2 2 | 9 32 | 1 10 | 21 51 | 1 10 | 22 47 | 0 3 | 19 12 | 1 39 | 9 54 | 11 8 | 18 9 | 17 43 | 18 6 | 13 58 | 2 57 |
| T 12 | 23 30 | 15 19 | 4 51 | 21 0 | 2 29 | 17 56 | 1 36 | 0s11 | 2 3 | 9 31 | 1 10 | 21 52 | 1 10 | 22 47 | 0 3 | 19 12 | 1 39 | 9 54 | 11 8 | 18 7 | 17 42 | 18 5 | 13 57 | 2 57 |
| F 13 | 23 31 | 12 10 | 5 7 | 20 44 | 2 43 | 18 15 | 1 34 | 0 21 | 2 3 | 9 31 | 1 11 | 21 53 | 1 10 | 22 47 | 0 3 | 19 11 | 1 39 | 9 54 | 11 8 | 18 5 | 17 42 | 18 3 | 13 57 | 2 57 |
| S 14 | 23 31 | 8 31 | 5 9 | 20 31 | 2 54 | 18 33 | 1 32 | 0 32 | 2 4 | 9 32 | 1 11 | 21 53 | 1 10 | 22 48 | 0 3 | 19 11 | 1 39 | 9 54 | 11 8 | 18 3 | 17 41 | 18 2 | 13 56 | 2 57 |
| S 15 | 23 30 | 4 29 | 4 58 | 20 19 | 3 2 | 18 51 | 1 30 | 0 43 | 2 5 | 9 32 | 1 11 | 21 54 | 1 10 | 22 48 | 0 3 | 19 11 | 1 39 | 9 54 | 11 7 | 18 2 | 17 40 | 18 1 | 13 56 | 2 57 |
| M16 | 23 29 | 0 13 | 4 34 | 20 10 | 3 8 | 19 8 | 1 28 | 0 54 | 2 5 | 9 32 | 1 12 | 21 54 | 1 10 | 22 49 | 0 3 | 19 11 | 1 39 | 9 54 | 11 7 | 18 1 | 17 39 | 17 59 | 13 55 | 2 57 |
| T 17 | 23 28 | 4n 9 | 3 56 | 20 3 | 3 12 | 19 25 | 1 26 | 1 4 | 2 6 | 9 32 | 1 12 | 21 55 | 1 10 | 22 49 | 0 3 | 19 10 | 1 39 | 9 54 | 11 7 | 18 1 | 17 38 | 17 58 | 13 55 | 2 57 |
| W18 | 23 26 | 8 27 | 3 5 | 19 59 | 3 13 | 19 41 | 1 23 | 1 15 | 2 6 | 9 33 | 1 12 | 21 56 | 1 10 | 22 49 | 0 3 | 19 10 | 1 39 | 9 54 | 11 7 | 18 1 | 17 37 | 17 57 | 13 54 | 2 57 |
| T 19 | 23 23 | 12 30 | 2 3 | 19 57 | 3 13 | 19 56 | 1 21 | 1 25 | 2 7 | 9 33 | 1 12 | 21 56 | 1 10 | 22 50 | 0 3 | 19 10 | 1 39 | 9 54 | 11 7 | 18 1 | 17 36 | 17 55 | 13 54 | 2 57 |
| F 20 | 23 21 | 16 2 | 0 53 | 19 57 | 3 10 | 20 12 | 1 19 | 1 36 | 2 8 | 9 34 | 1 13 | 21 57 | 1 10 | 22 50 | 0 3 | 19 10 | 1 39 | 9 54 | 11 7 | 18 1 | 17 35 | 17 54 | 13 53 | 2 57 |
| S 21 | 23 17 | 18 45 | 0s24 | 20 0 | 3 7 | 20 26 | 1 17 | 1 46 | 2 8 | 9 34 | 1 13 | 21 57 | 1 10 | 22 50 | 0 3 | 19 9 | 1 39 | 9 54 | 11 6 | 18 1 | 17 35 | 17 53 | 13 53 | 2 57 |
| S 22 | 23 13 | 20 20 | 1 41 | 20 4 | 3 2 | 20 40 | 1 14 | 1 56 | 2 9 | 9 35 | 1 13 | 21 58 | 1 10 | 22 51 | 0 3 | 19 9 | 1 39 | 9 54 | 11 6 | 18 1 | 17 34 | 17 51 | 13 52 | 2 57 |
| M23 | 23 9 | 20 32 | 2 53 | 20 11 | 2 55 | 20 53 | 1 12 | 2 6 | 2 9 | 9 36 | 1 14 | 21 58 | 1 10 | 22 51 | 0 3 | 19 9 | 1 39 | 9 54 | 11 6 | 18 0 | 17 33 | 17 50 | 13 52 | 2 57 |
| T 24 | 23 4 | 19 15 | 3 53 | 20 19 | 2 48 | 21 6 | 1 9 | 2 16 | 2 10 | 9 36 | 1 14 | 21 59 | 1 10 | 22 51 | 0 3 | 19 9 | 1 39 | 9 54 | 11 6 | 17 58 | 17 32 | 17 49 | 13 52 | 2 57 |
| W25 | 22 59 | 16 35 | 4 38 | 20 28 | 2 41 | 21 18 | 1 7 | 2 26 | 2 11 | 9 37 | 1 14 | 21 59 | 1 10 | 22 52 | 0 3 | 19 9 | 1 39 | 9 54 | 11 6 | 17 56 | 17 31 | 17 47 | 13 51 | 2 57 |
| T 26 | 22 54 | 12 47 | 5 2 | 20 38 | 2 33 | 21 30 | 1 4 | 2 36 | 2 11 | 9 38 | 1 14 | 22 0 | 1 10 | 22 52 | 0 3 | 19 8 | 1 39 | 9 54 | 11 5 | 17 54 | 17 30 | 17 46 | 13 51 | 2 56 |
| F 27 | 22 47 | 8 15 | 5 5 | 20 49 | 2 24 | 21 41 | 1 2 | 2 45 | 2 12 | 9 39 | 1 15 | 22 0 | 1 10 | 22 53 | 0 3 | 19 8 | 1 39 | 9 54 | 11 5 | 17 52 | 17 29 | 17 45 | 13 51 | 2 56 |
| S 28 | 22 41 | 3 21 | 4 48 | 21 0 | 2 15 | 21 51 | 0 59 | 2 55 | 2 13 | 9 40 | 1 15 | 22 1 | 1 10 | 22 53 | 0 3 | 19 8 | 1 39 | 9 54 | 11 5 | 17 50 | 17 29 | 17 43 | 13 50 | 2 56 |
| S 29 | 22 34 | 1s35 | 4 14 | 21 12 | 2 6 | 22 1 | 0 57 | 3 4 | 2 13 | 9 42 | 1 15 | 22 1 | 1 10 | 22 53 | 0 3 | 19 8 | 1 38 | 9 54 | 11 5 | 17 49 | 17 28 | 17 42 | 13 50 | 2 56 |
| M30 | 22 26 | 6 16 | 3 26 | 21 24 | 1 56 | 22 10 | 0 54 | 3 13 | 2 14 | 9 43 | 1 15 | 22 2 | 1 10 | 22 54 | 0 3 | 19 8 | 1 38 | 9 54 | 11 5 | 17 48 | 17 27 | 17 41 | 13 50 | 2 56 |
| T 31 | 22s19 | 10s30 | 2s29 | 21s36 | 1n47 | 22s18 | 0n52 | 3s23 | 2n14 | 9n44 | 1n16 | 22s 2 | 1n10 | 22s54 | 0s 3 | 19n 7 | 1s38 | 9n54 | 11s 4 | 17s48 | 17s26 | 17s39 | 13n49 | 2s56 |

Julian Day Number = 2232011.5, Delta T = 07m55s
Ecliptic obliquity = 23°30'56, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'19, Lahiri = 15°28'20 Julian Calendar 1 Dec. 1398 == Greg. Calendar 9 Dec. 1398


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## JANUARY 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 13 41 | 18♉57'47 | 3♏41 | 24♐54 | 21♐32 | 14♎10 | 8°R 2 | 20♐55 | 16♐44 | 2°R31 | 2°R45 | 20♏ 2 | 18♏36 | 19♉32 | 15°R50 | W 1 |
| T 2 | 7 17 38 | 19°58'54 | 16° 6 | 25°52 | 22°47 | 14°35 | 7♍59 | 21° 1 | 16°47 | 2♊30 | 2♊45 | 20°R 3 | 18°33 | 19°39 | 15♉49 | T 2 |
| F 3 | 7 21 34 | 21° 0'00 | 28°17 | 26°54 | 24° 1 | 14°59 | 7°55 | 21° 8 | 16°50 | 2°29 | 2°44 | 20° 3 | 18°30 | 19°46 | 15°48 | F 3 |
| S 4 | 7 25 31 | 22° 1'05 | 10♐18 | 27°59 | 25°16 | 15°23 | 7°52 | 21°14 | 16°53 | 2°28 | 2°43 | 20° 0 | 18°27 | 19°52 | 15°47 | S 4 |
| S 5 | 7 29 27 | 23° 2'10 | 22°12 | 29° 6 | 26°31 | 15°47 | 7°48 | 21°21 | 16°56 | 2°27 | 2°42 | 19°55 | 18°24 | 19°59 | 15°46 | S 5 |
| M 6 | 7 33 24 | 24° 3'15 | 4♉ 3 | 0♉15 | 27°45 | 16°11 | 7°44 | 21°27 | 16°59 | 2°26 | 2°42 | 19°48 | 18°21 | 20° 6 | 15°45 | M 6 |
| T 7 | 7 37 20 | 25° 4'18 | 15°54 | 1°26 | 29° 0 | 16°34 | 7°40 | 21°33 | 17° 2 | 2°25 | 2°41 | 19°37 | 18°17 | 20°13 | 15°45 | T 7 |
| W 8 | 7 41 17 | 26° 5'21 | 27°45 | 2°39 | 0♉15 | 16°57 | 7°36 | 21°40 | 17° 5 | 2°24 | 2°40 | 19°25 | 18°14 | 20°19 | 15°44 | W 8 |
| T 9 | 7 45 14 | 27° 6'23 | 9♒38 | 3°53 | 1°29 | 17°19 | 7°32 | 21°46 | 17° 9 | 2°23 | 2°40 | 19°11 | 18°11 | 20°26 | 15°44 | T 9 |
| F 10 | 7 49 10 | 28° 7'24 | 21°35 | 5° 9 | 2°44 | 17°42 | 7°27 | 21°52 | 17°11 | 2°22 | 2°39 | 18°58 | 18° 8 | 20°33 | 15°43 | F 10 |
| S 11 | 7 53 7 | 29° 8'24 | 3♓37 | 6°27 | 3°59 | 18° 4 | 7°22 | 21°58 | 17°14 | 2°21 | 2°39 | 18°45 | 18° 5 | 20°39 | 15°43 | S 11 |
| S 12 | 7 57 3 | 0♒ 9'23 | 15°46 | 7°46 | 5°13 | 18°26 | 7°17 | 22° 4 | 17°17 | 2°21 | 2°38 | 18°35 | 18° 1 | 20°46 | 15°43 | S 12 |
| M13 | 8 1 0 | 1°10'21 | 28° 4 | 9° 6 | 6°28 | 18°47 | 7°12 | 22°10 | 17°20 | 2°20 | 2°38 | 18°28 | 17°58 | 20°53 | 15°43 | M13 |
| T 14 | 8 4 56 | 2°11'17 | 10♈34 | 10°27 | 7°43 | 19° 8 | 7° 7 | 22°16 | 17°23 | 2°19 | 2°37 | 18°23 | 17°55 | 20°59 | 15°42 | T 14 |
| W15 | 8 8 53 | 3°12'12 | 23°20 | 11°50 | 8°57 | 19°29 | 7° 2 | 22°22 | 17°26 | 2°19 | 2°37 | 18°21 | 17°52 | 21° 6 | 15°D42 | W15 |
| T 16 | 8 12 49 | 4°13'06 | 6♉25 | 13°14 | 10°12 | 19°49 | 6°56 | 22°28 | 17°29 | 2°18 | 2°36 | 18°D21 | 17°49 | 21°13 | 15°42 | T 16 |
| F 17 | 8 16 46 | 5°13'58 | 19°54 | 14°38 | 11°27 | 20° 9 | 6°50 | 22°34 | 17°31 | 2°17 | 2°36 | 18°R21 | 17°46 | 21°20 | 15°42 | F 17 |
| S 18 | 8 20 43 | 6°14'49 | 3♊49 | 16° 4 | 12°41 | 20°28 | 6°45 | 22°39 | 17°34 | 2°17 | 2°35 | 18°20 | 17°42 | 21°26 | 15°43 | S 18 |
| S 19 | 8 24 39 | 7°15'38 | 18°10 | 17°30 | 13°56 | 20°48 | 6°39 | 22°45 | 17°37 | 2°16 | 2°35 | 18°17 | 17°39 | 21°33 | 15°43 | S 19 |
| M20 | 8 28 36 | 8°16'26 | 2♋57 | 18°58 | 15°11 | 21° 6 | 6°33 | 22°51 | 17°40 | 2°16 | 2°34 | 18°12 | 17°36 | 21°40 | 15°43 | M20 |
| T 21 | 8 32 32 | 9°17'13 | 18° 3 | 20°26 | 16°25 | 21°25 | 6°26 | 22°56 | 17°42 | 2°15 | 2°34 | 18° 4 | 17°33 | 21°46 | 15°43 | T 21 |
| W22 | 8 36 29 | 10°17'58 | 3♌20 | 21°55 | 17°40 | 21°43 | 6°20 | 23° 2 | 17°45 | 2°15 | 2°34 | 17°53 | 17°30 | 21°53 | 15°44 | W22 |
| T 23 | 8 40 25 | 11°18'41 | 18°37 | 23°25 | 18°55 | 22° 1 | 6°14 | 23° 7 | 17°47 | 2°15 | 2°33 | 17°42 | 17°27 | 22° 0 | 15°44 | T 23 |
| F 24 | 8 44 22 | 12°19'23 | 3♍43 | 24°56 | 20° 9 | 22°18 | 6° 7 | 23°13 | 17°50 | 2°14 | 2°33 | 17°30 | 17°23 | 22° 7 | 15°45 | F 24 |
| S 25 | 8 48 18 | 13°20'04 | 18°27 | 26°28 | 21°24 | 22°35 | 6° 0 | 23°18 | 17°52 | 2°14 | 2°33 | 17°20 | 17°20 | 22°13 | 15°46 | S 25 |
| S 26 | 8 52 15 | 14°20'44 | 2♎43 | 28° 0 | 22°39 | 22°51 | 5°54 | 23°23 | 17°55 | 2°14 | 2°32 | 17°13 | 17°17 | 22°20 | 15°46 | S 26 |
| M27 | 8 56 12 | 15°21'22 | 16°28 | 29°34 | 23°53 | 23° 7 | 5°47 | 23°29 | 17°57 | 2°13 | 2°32 | 17° 8 | 17°14 | 22°27 | 15°47 | M27 |
| T 28 | 9 0 8 | 16°22'00 | 29°44 | 1♒ 8 | 25° 8 | 23°22 | 5°40 | 23°34 | 17°59 | 2°13 | 2°32 | 17° 6 | 17°11 | 22°33 | 15°48 | T 28 |
| W29 | 9 4 5 | 17°22'36 | 12♏33 | 2°43 | 26°23 | 23°37 | 5°33 | 23°39 | 18° 2 | 2°13 | 2°32 | 17° 6 | 17° 7 | 22°40 | 15°49 | W29 |
| T 30 | 9 8 1 | 18°23'11 | 25° 0 | 4°20 | 27°37 | 23°52 | 5°26 | 23°44 | 18° 4 | 2°13 | 2°31 | 17° 6 | 17° 4 | 22°47 | 15°50 | T 30 |
| F 31 | 9 11 58 | 19♒23'45 | 7♐10 | 5♒57 | 28♉52 | 24♎ 6 | 5♍18 | 23♐49 | 18♐ 6 | 2♊13 | 2♊31 | 17♏ 5 | 17♏ 1 | 22♉54 | 15♉51 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s10 | 14s 8 | 1s27 | 21s48 | 1n37 | 22s26 | 0n49 | 3s32 | 2n15 | 9n46 | 1n16 | 22s 3 | 1n10 | 22s54 | 0s 3 | 19n 7 | 1s38 | 9n54 | 11s 4 | 17s48 | 17s25 | 17s38 | 13n49 | 2s56 |
| T 2 | 22 1 | 17 3 | 0 21 | 21 59 | 1 28 | 22 33 | 0 46 | 3 41 | 2 16 | 9 47 | 1 16 | 22 3 | 1 10 | 22 55 | 0 3 | 19 7 | 1 38 | 9 54 | 11 4 | 17 49 | 17 24 | 17 37 | 13 49 | 2 56 |
| F 3 | 21 52 | 19 8 | 0n44 | 22 11 | 1 18 | 22 39 | 0 44 | 3 50 | 2 16 | 9 48 | 1 17 | 22 4 | 1 10 | 22 55 | 0 3 | 19 7 | 1 38 | 9 55 | 11 4 | 17 49 | 17 23 | 17 35 | 13 49 | 2 56 |
| S 4 | 21 43 | 20 19 | 1 46 | 22 21 | 1 9 | 22 45 | 0 41 | 3 58 | 2 17 | 9 50 | 1 17 | 22 4 | 1 10 | 22 55 | 0 3 | 19 7 | 1 38 | 9 55 | 11 4 | 17 48 | 17 22 | 17 34 | 13 49 | 2 56 |
| S 5 | 21 33 | 20 35 | 2 43 | 22 32 | 0 59 | 22 50 | 0 38 | 4 7 | 2 18 | 9 52 | 1 17 | 22 5 | 1 10 | 22 56 | 0 3 | 19 7 | 1 38 | 9 55 | 11 3 | 17 47 | 17 21 | 17 33 | 13 49 | 2 56 |
| M 6 | 21 22 | 19 55 | 3 32 | 22 41 | 0 50 | 22 54 | 0 35 | 4 15 | 2 18 | 9 53 | 1 17 | 22 5 | 1 10 | 22 56 | 0 3 | 19 7 | 1 38 | 9 55 | 11 3 | 17 45 | 17 21 | 17 31 | 13 48 | 2 56 |
| T 7 | 21 11 | 18 24 | 4 12 | 22 50 | 0 41 | 22 58 | 0 33 | 4 24 | 2 19 | 9 55 | 1 18 | 22 5 | 1 10 | 22 56 | 0 3 | 19 6 | 1 38 | 9 55 | 11 3 | 17 42 | 17 20 | 17 30 | 13 48 | 2 55 |
| W 8 | 21 0 | 16 6 | 4 41 | 22 58 | 0 32 | 23 1 | 0 30 | 4 32 | 2 19 | 9 57 | 1 18 | 22 6 | 1 10 | 22 56 | 0 3 | 19 6 | 1 38 | 9 55 | 11 3 | 17 38 | 17 19 | 17 28 | 13 48 | 2 55 |
| T 9 | 20 48 | 13 7 | 4 57 | 23 5 | 0 23 | 23 3 | 0 27 | 4 40 | 2 20 | 9 59 | 1 18 | 22 6 | 1 10 | 22 57 | 0 3 | 19 6 | 1 38 | 9 55 | 11 2 | 17 35 | 17 18 | 17 27 | 13 48 | 2 55 |
| F 10 | 20 36 | 9 36 | 5 1 | 23 11 | 0 14 | 23 5 | 0 24 | 4 48 | 2 21 | 10 1 | 1 18 | 22 6 | 1 10 | 22 57 | 0 3 | 19 6 | 1 38 | 9 55 | 11 2 | 17 31 | 17 17 | 17 26 | 13 48 | 2 55 |
| S 11 | 20 24 | 5 41 | 4 52 | 23 16 | 0 6 | 23 6 | 0 22 | 4 56 | 2 21 | 10 3 | 1 19 | 22 7 | 1 10 | 22 57 | 0 3 | 19 6 | 1 38 | 9 55 | 11 2 | 17 27 | 17 16 | 17 24 | 13 48 | 2 55 |
| S 12 | 20 11 | 1 30 | 4 29 | 23 20 | 0s 3 | 23 6 | 0 19 | 5 3 | 2 22 | 10 5 | 1 19 | 22 7 | 1 10 | 22 58 | 0 3 | 19 6 | 1 38 | 9 56 | 11 2 | 17 25 | 17 15 | 17 23 | 13 48 | 2 55 |
| M13 | 19 58 | 2n47 | 3 53 | 23 23 | 0 11 | 23 5 | 0 16 | 5 11 | 2 23 | 10 7 | 1 19 | 22 8 | 1 10 | 22 58 | 0 3 | 19 6 | 1 38 | 9 56 | 11 2 | 17 23 | 17 14 | 17 21 | 13 48 | 2 55 |
| T 14 | 19 44 | 7 3 | 3 6 | 23 25 | 0 19 | 23 4 | 0 13 | 5 18 | 2 23 | 10 9 | 1 19 | 22 8 | 1 10 | 22 58 | 0 3 | 19 6 | 1 38 | 9 56 | 11 1 | 17 21 | 17 14 | 17 20 | 13 48 | 2 55 |
| W15 | 19 30 | 11 5 | 2 8 | 23 26 | 0 27 | 23 2 | 0 11 | 5 26 | 2 24 | 10 11 | 1 20 | 22 8 | 1 10 | 22 59 | 0 3 | 19 6 | 1 38 | 9 56 | 11 1 | 17 21 | 17 13 | 17 19 | 13 48 | 2 55 |
| T 16 | 19 16 | 14 41 | 1 3 | 23 25 | 0 34 | 22 59 | 0 8 | 5 33 | 2 24 | 10 14 | 1 20 | 22 9 | 1 10 | 22 59 | 0 3 | 19 6 | 1 38 | 9 56 | 11 1 | 17 21 | 17 12 | 17 17 | 13 49 | 2 55 |
| F 17 | 19 1 | 17 38 | 0s 8 | 23 24 | 0 41 | 22 56 | 0 5 | 5 40 | 2 25 | 10 16 | 1 20 | 22 9 | 1 10 | 22 59 | 0 3 | 19 6 | 1 37 | 9 56 | 11 1 | 17 21 | 17 11 | 17 16 | 13 49 | 2 54 |
| S 18 | 18 46 | 19 39 | 1 21 | 23 21 | 0 48 | 22 52 | 0 2 | 5 46 | 2 26 | 10 18 | 1 20 | 22 9 | 1 10 | 22 59 | 0 3 | 19 6 | 1 37 | 9 56 | 11 0 | 17 21 | 17 10 | 17 14 | 13 49 | 2 54 |
| S 19 | 18 31 | 20 29 | 2 31 | 23 17 | 0 55 | 22 47 | 0s 0 | 5 53 | 2 26 | 10 21 | 1 20 | 22 10 | 1 10 | 23 0 | 0 3 | 19 5 | 1 37 | 9 57 | 11 0 | 17 20 | 17 9 | 17 13 | 13 49 | 2 54 |
| M20 | 18 15 | 19 57 | 3 32 | 23 11 | 1 2 | 22 42 | 0 3 | 5 59 | 2 27 | 10 23 | 1 21 | 22 10 | 1 10 | 23 0 | 0 3 | 19 5 | 1 37 | 9 57 | 11 0 | 17 18 | 17 8 | 17 12 | 13 49 | 2 54 |
| T 21 | 17 59 | 17 59 | 4 21 | 23 4 | 1 8 | 22 36 | 0 6 | 6 6 | 2 28 | 10 26 | 1 21 | 22 10 | 1 10 | 23 0 | 0 3 | 19 5 | 1 37 | 9 57 | 11 0 | 17 16 | 17 7 | 17 10 | 13 49 | 2 54 |
| W22 | 17 43 | 14 45 | 4 51 | 22 56 | 1 14 | 22 29 | 0 8 | 6 12 | 2 28 | 10 28 | 1 21 | 22 10 | 1 10 | 23 0 | 0 3 | 19 5 | 1 37 | 9 57 | 10 59 | 17 13 | 17 6 | 17 9 | 13 50 | 2 54 |
| T 23 | 17 26 | 10 32 | 5 0 | 22 47 | 1 19 | 22 21 | 0 11 | 6 18 | 2 29 | 10 31 | 1 21 | 22 11 | 1 10 | 23 1 | 0 3 | 19 5 | 1 37 | 9 57 | 10 59 | 17 10 | 17 5 | 17 7 | 13 50 | 2 54 |
| F 24 | 17 9 | 5 42 | 4 49 | 22 36 | 1 25 | 22 13 | 0 13 | 6 24 | 2 29 | 10 33 | 1 21 | 22 11 | 1 10 | 23 1 | 0 3 | 19 5 | 1 37 | 9 58 | 10 59 | 17 7 | 17 5 | 17 6 | 13 50 | 2 54 |
| S 25 | 16 52 | 0 38 | 4 18 | 22 24 | 1 30 | 22 4 | 0 16 | 6 29 | 2 30 | 10 36 | 1 22 | 22 11 | 1 10 | 23 1 | 0 3 | 19 5 | 1 37 | 9 58 | 10 58 | 17 4 | 17 4 | 17 5 | 13 50 | 2 54 |
| S 26 | 16 35 | 4s19 | 3 31 | 22 10 | 1 35 | 21 55 | 0 19 | 6 35 | 2 31 | 10 39 | 1 22 | 22 11 | 1 10 | 23 1 | 0 3 | 19 5 | 1 37 | 9 58 | 10 58 | 17 2 | 17 3 | 17 3 | 13 51 | 2 54 |
| M27 | 16 17 | 8 52 | 2 34 | 21 56 | 1 39 | 21 45 | 0 21 | 6 40 | 2 31 | 10 41 | 1 22 | 22 12 | 1 10 | 23 2 | 0 3 | 19 5 | 1 37 | 9 58 | 10 58 | 17 0 | 17 2 | 17 2 | 13 51 | 2 53 |
| T 28 | 15 59 | 12 49 | 1 30 | 21 39 | 1 44 | 21 34 | 0 24 | 6 45 | 2 32 | 10 44 | 1 22 | 22 12 | 1 10 | 23 2 | 0 3 | 19 5 | 1 37 | 9 58 | 10 58 | 17 0 | 17 1 | 17 0 | 13 51 | 2 53 |
| W29 | 15 41 | 16 2 | 0 24 | 21 21 | 1 47 | 21 22 | 0 26 | 6 50 | 2 32 | 10 47 | 1 22 | 22 12 | 1 10 | 23 2 | 0 4 | 19 5 | 1 37 | 9 59 | 10 57 | 17 0 | 17 0 | 16 59 | 13 52 | 2 53 |
| T 30 | 15 22 | 18 24 | 0n42 | 21 2 | 1 51 | 21 10 | 0 29 | 6 55 | 2 33 | 10 50 | 1 22 | 22 12 | 1 10 | 23 2 | 0 4 | 19 5 | 1 37 | 9 59 | 10 57 | 17 0 | 16 59 | 16 57 | 13 52 | 2 53 |
| F 31 | 15s 3 | 19s52 | 1n44 | 20s41 | 1s54 | 20s57 | 0s31 | 7s 0 | 2n33 | 10n53 | 1n23 | 22s12 | 1n10 | 23s 2 | 0s 4 | 19n 5 | 1s37 | 9n59 | 10s57 | 16s59 | 16s58 | 16s56 | 13n52 | 2s53 |

Julian Day Number = 2232042.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'56, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'24, Lahiri = 15°28'24 Julian Calendar 1 Jan. 1399 == Greg. Calendar 9 Jan. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## FEBRUARY 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 15 54 | 20♒24'17 | 19♐ 9 | 7♒34 | 0♒ 7 | 24♎19 | 5°R11 | 23♐54 | 18♐ 8 | 2°R12 | 2°R31 | 17°R 2 | 16♏58 | 23♑ 0 | 15♉52 | S 1 |
| S 2 | 9 19 51 | 21°24'48 | 1♑ 0 | 9°13 | 1°21 | 24°32 | 5♍ 4 | 23°59 | 18°10 | 2♊12 | 2♊31 | 16♏57 | 16°55 | 23° 7 | 15°53 | S 2 |
| M 3 | 9 23 47 | 22°25'18 | 12°49 | 10°53 | 2°36 | 24°45 | 4°56 | 24° 3 | 18°12 | 2°D12 | 2°31 | 16°49 | 16°52 | 23°14 | 15°54 | M 3 |
| T 4 | 9 27 44 | 23°25'46 | 24°39 | 12°33 | 3°51 | 24°57 | 4°49 | 24° 8 | 18°14 | 2°12 | 2°31 | 16°37 | 16°48 | 23°20 | 15°56 | T 4 |
| W 5 | 9 31 41 | 24°26'13 | 6♒33 | 14°15 | 5° 5 | 25° 8 | 4°41 | 24°13 | 18°16 | 2°12 | 2°31 | 16°24 | 16°45 | 23°27 | 15°57 | W 5 |
| T 6 | 9 35 37 | 25°26'38 | 18°31 | 15°58 | 6°20 | 25°19 | 4°33 | 24°17 | 18°18 | 2°13 | 2°31 | 16°10 | 16°42 | 23°34 | 15°58 | T 6 |
| F 7 | 9 39 34 | 26°27'01 | 0♓36 | 17°41 | 7°35 | 25°29 | 4°26 | 24°22 | 18°20 | 2°13 | 2°D31 | 15°55 | 16°39 | 23°41 | 16° 0 | F 7 |
| S 8 | 9 43 30 | 27°27'23 | 12°49 | 19°26 | 8°49 | 25°39 | 4°18 | 24°26 | 18°22 | 2°13 | 2°31 | 15°42 | 16°36 | 23°47 | 16° 2 | S 8 |
| S 9 | 9 47 27 | 28°27'42 | 25°10 | 21°11 | 10° 4 | 25°48 | 4°10 | 24°30 | 18°24 | 2°13 | 2°31 | 15°31 | 16°32 | 23°54 | 16° 3 | S 9 |
| M10 | 9 51 23 | 29°28'00 | 7♈40 | 22°57 | 11°19 | 25°56 | 4° 2 | 24°35 | 18°26 | 2°13 | 2°31 | 15°22 | 16°29 | 24° 1 | 16° 5 | M10 |
| T 11 | 9 55 20 | 0♓28'16 | 20°20 | 24°45 | 12°33 | 26° 4 | 3°54 | 24°39 | 18°27 | 2°13 | 2°31 | 15°17 | 16°26 | 24° 7 | 16° 7 | T 11 |
| W12 | 9 59 16 | 1°28'30 | 3♉13 | 26°33 | 13°48 | 26°11 | 3°47 | 24°43 | 18°29 | 2°14 | 2°31 | 15°15 | 16°23 | 24°14 | 16° 9 | W12 |
| T 13 | 10 3 13 | 2°28'42 | 16°21 | 28°23 | 15° 3 | 26°18 | 3°39 | 24°47 | 18°31 | 2°14 | 2°31 | 15°D14 | 16°20 | 24°21 | 16°10 | T 13 |
| F 14 | 10 7 9 | 3°28'51 | 29°47 | 0♓13 | 16°17 | 26°24 | 3°31 | 24°51 | 18°32 | 2°14 | 2°31 | 15°R14 | 16°17 | 24°28 | 16°12 | F 14 |
| S 15 | 10 11 6 | 4°28'59 | 13♊33 | 2° 5 | 17°32 | 26°29 | 3°23 | 24°55 | 18°34 | 2°15 | 2°32 | 15°14 | 16°13 | 24°34 | 16°14 | S 15 |
| S 16 | 10 15 3 | 5°29'04 | 27°40 | 3°58 | 18°46 | 26°34 | 3°15 | 24°58 | 18°35 | 2°15 | 2°32 | 15°12 | 16°10 | 24°41 | 16°16 | S 16 |
| M17 | 10 18 59 | 6°29'08 | 12♋ 7 | 5°51 | 20° 1 | 26°37 | 3° 7 | 25° 2 | 18°37 | 2°16 | 2°32 | 15° 8 | 16° 7 | 24°48 | 16°19 | M17 |
| T 18 | 10 22 56 | 7°29'09 | 26°53 | 7°46 | 21°16 | 26°41 | 3° 0 | 25° 6 | 18°38 | 2°16 | 2°32 | 15° 1 | 16° 4 | 24°54 | 16°21 | T 18 |
| W19 | 10 26 52 | 8°29'08 | 11♌49 | 9°41 | 22°30 | 26°43 | 2°52 | 25° 9 | 18°39 | 2°17 | 2°32 | 14°52 | 16° 1 | 25° 1 | 16°23 | W19 |
| T 20 | 10 30 49 | 9°29'04 | 26°49 | 11°37 | 23°45 | 26°45 | 2°44 | 25°13 | 18°41 | 2°17 | 2°33 | 14°42 | 15°58 | 25° 8 | 16°25 | T 20 |
| F 21 | 10 34 45 | 10°28'59 | 11♍43 | 13°34 | 24°59 | 26°46 | 2°36 | 25°16 | 18°42 | 2°18 | 2°33 | 14°32 | 15°54 | 25°15 | 16°28 | F 21 |
| S 22 | 10 38 42 | 11°28'52 | 26°21 | 15°31 | 26°14 | 26°R47 | 2°29 | 25°19 | 18°43 | 2°19 | 2°33 | 14°23 | 15°51 | 25°21 | 16°30 | S 22 |
| S 23 | 10 42 38 | 12°28'43 | 10♎37 | 17°29 | 27°28 | 26°47 | 2°21 | 25°23 | 18°44 | 2°19 | 2°34 | 14°17 | 15°48 | 25°28 | 16°33 | S 23 |
| M24 | 10 46 35 | 13°28'32 | 24°26 | 19°28 | 28°43 | 26°46 | 2°13 | 25°26 | 18°45 | 2°20 | 2°34 | 14°13 | 15°45 | 25°35 | 16°35 | M24 |
| T 25 | 10 50 32 | 14°28'19 | 7♏47 | 21°26 | 29°57 | 26°44 | 2° 6 | 25°29 | 18°46 | 2°21 | 2°34 | 14°11 | 15°42 | 25°41 | 16°38 | T 25 |
| W26 | 10 54 28 | 15°28'04 | 20°42 | 23°25 | 1♓12 | 26°41 | 1°58 | 25°32 | 18°47 | 2°21 | 2°35 | 14°D11 | 15°38 | 25°48 | 16°41 | W26 |
| T 27 | 10 58 25 | 16°27'48 | 3♐15 | 25°23 | 2°26 | 26°38 | 1°51 | 25°34 | 18°48 | 2°22 | 2°35 | 14°12 | 15°35 | 25°55 | 16°43 | T 27 |
| F 28 | 11 2 21 | 17♓27'30 | 15♐29 | 27♓20 | 3♓41 | 26♎34 | 1♍43 | 25♐37 | 18♐49 | 2♊23 | 2♊36 | 14°R12 | 15♏32 | 26♑ 2 | 16♉46 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14s44 | 20s24 | 2n41 | 20s19 | 1s57 | 20s44 | 0s33 | 7s 4 | 2n34 | 10n55 | 1n23 | 22s13 | 1n10 | 23s 3 | 0s 4 | 19n 5 | 1s37 | 9n59 | 10s57 | 16s59 | 16s57 | 16s54 | 13n53 | 2s53 |
| S 2 | 14 25 | 20 1 | 3 30 | 19 56 | 2 0 | 20 30 | 0 36 | 7 8 | 2 35 | 10 58 | 1 23 | 22 13 | 1 10 | 23 3 | 0 4 | 19 6 | 1 37 | 10 0 | 10 56 | 16 57 | 16 56 | 16 53 | 13 53 | 2 53 |
| M 3 | 14 5 | 18 45 | 4 9 | 19 30 | 2 2 | 20 16 | 0 38 | 7 13 | 2 35 | 11 1 | 1 23 | 22 13 | 1 10 | 23 3 | 0 4 | 19 6 | 1 36 | 10 0 | 10 56 | 16 55 | 16 56 | 16 52 | 13 54 | 2 53 |
| T 4 | 13 45 | 16 42 | 4 38 | 19 4 | 2 3 | 20 0 | 0 40 | 7 16 | 2 36 | 11 4 | 1 23 | 22 13 | 1 10 | 23 3 | 0 4 | 19 6 | 1 36 | 10 0 | 10 56 | 16 52 | 16 55 | 16 50 | 13 54 | 2 53 |
| W 5 | 13 25 | 13 56 | 4 55 | 18 36 | 2 5 | 19 45 | 0 43 | 7 20 | 2 36 | 11 7 | 1 23 | 22 13 | 1 10 | 23 3 | 0 4 | 19 6 | 1 36 | 10 0 | 10 56 | 16 48 | 16 54 | 16 49 | 13 55 | 2 53 |
| T 6 | 13 5 | 10 34 | 4 59 | 18 6 | 2 6 | 19 28 | 0 45 | 7 23 | 2 37 | 11 10 | 1 23 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 1 | 10 55 | 16 44 | 16 53 | 16 47 | 13 55 | 2 52 |
| F 7 | 12 44 | 6 46 | 4 50 | 17 35 | 2 6 | 19 11 | 0 47 | 7 27 | 2 37 | 11 13 | 1 24 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 1 | 10 55 | 16 39 | 16 52 | 16 46 | 13 56 | 2 52 |
| S 8 | 12 24 | 2 39 | 4 27 | 17 3 | 2 6 | 18 54 | 0 49 | 7 30 | 2 38 | 11 16 | 1 24 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 1 | 10 55 | 16 35 | 16 51 | 16 44 | 13 56 | 2 52 |
| S 9 | 12 3 | 1n37 | 3 52 | 16 28 | 2 6 | 18 36 | 0 51 | 7 33 | 2 38 | 11 19 | 1 24 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 1 | 10 54 | 16 32 | 16 50 | 16 43 | 13 57 | 2 52 |
| M10 | 11 42 | 5 53 | 3 5 | 15 53 | 2 5 | 18 17 | 0 53 | 7 35 | 2 39 | 11 22 | 1 24 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 2 | 10 54 | 16 30 | 16 49 | 16 41 | 13 57 | 2 52 |
| T 11 | 11 20 | 9 56 | 2 8 | 15 16 | 2 4 | 17 58 | 0 55 | 7 38 | 2 39 | 11 25 | 1 24 | 22 14 | 1 10 | 23 4 | 0 4 | 19 6 | 1 36 | 10 2 | 10 54 | 16 28 | 16 48 | 16 40 | 13 58 | 2 52 |
| W12 | 10 59 | 13 37 | 1 3 | 14 37 | 2 2 | 17 39 | 0 57 | 7 40 | 2 39 | 11 28 | 1 24 | 22 14 | 1 10 | 23 5 | 0 4 | 19 6 | 1 36 | 10 2 | 10 54 | 16 28 | 16 47 | 16 38 | 13 59 | 2 52 |
| T 13 | 10 37 | 16 41 | 0s 6 | 13 57 | 2 0 | 17 19 | 0 59 | 7 42 | 2 40 | 11 30 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 6 | 1 36 | 10 3 | 10 53 | 16 27 | 16 46 | 16 37 | 13 59 | 2 52 |
| F 14 | 10 16 | 18 55 | 1 16 | 13 16 | 1 58 | 16 58 | 1 1 | 7 44 | 2 40 | 11 33 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 7 | 1 36 | 10 3 | 10 53 | 16 28 | 16 46 | 16 35 | 14 0 | 2 52 |
| S 15 | 9 54 | 20 7 | 2 24 | 12 33 | 1 54 | 16 37 | 1 2 | 7 45 | 2 41 | 11 36 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 7 | 1 36 | 10 3 | 10 53 | 16 27 | 16 45 | 16 34 | 14 0 | 2 52 |
| S 16 | 9 32 | 20 5 | 3 25 | 11 48 | 1 51 | 16 16 | 1 4 | 7 47 | 2 41 | 11 39 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 7 | 1 36 | 10 3 | 10 53 | 16 27 | 16 44 | 16 33 | 14 1 | 2 52 |
| M17 | 9 10 | 18 44 | 4 14 | 11 2 | 1 46 | 15 54 | 1 6 | 7 48 | 2 41 | 11 42 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 7 | 1 36 | 10 4 | 10 52 | 16 26 | 16 43 | 16 31 | 14 2 | 2 51 |
| T 18 | 8 47 | 16 8 | 4 48 | 10 15 | 1 41 | 15 31 | 1 7 | 7 49 | 2 41 | 11 45 | 1 24 | 22 15 | 1 10 | 23 5 | 0 4 | 19 7 | 1 36 | 10 4 | 10 52 | 16 24 | 16 42 | 16 30 | 14 3 | 2 51 |
| W19 | 8 25 | 12 27 | 5 2 | 9 27 | 1 36 | 15 8 | 1 9 | 7 49 | 2 42 | 11 48 | 1 24 | 22 15 | 1 10 | 23 6 | 0 4 | 19 7 | 1 36 | 10 4 | 10 52 | 16 21 | 16 41 | 16 28 | 14 3 | 2 51 |
| T 20 | 8 2 | 7 58 | 4 56 | 8 37 | 1 30 | 14 45 | 1 10 | 7 50 | 2 42 | 11 51 | 1 25 | 22 15 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 5 | 10 51 | 16 18 | 16 40 | 16 27 | 14 4 | 2 51 |
| F 21 | 7 40 | 3 2 | 4 30 | 7 46 | 1 23 | 14 22 | 1 12 | 7 50 | 2 42 | 11 54 | 1 25 | 22 15 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 5 | 10 51 | 16 15 | 16 39 | 16 25 | 14 5 | 2 51 |
| S 22 | 7 17 | 2s 0 | 3 46 | 6 54 | 1 16 | 13 58 | 1 13 | 7 50 | 2 42 | 11 56 | 1 25 | 22 15 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 5 | 10 51 | 16 12 | 16 38 | 16 24 | 14 6 | 2 51 |
| S 23 | 6 54 | 6 48 | 2 49 | 6 1 | 1 9 | 13 33 | 1 14 | 7 50 | 2 43 | 11 59 | 1 25 | 22 15 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 6 | 10 51 | 16 10 | 16 37 | 16 22 | 14 6 | 2 51 |
| M24 | 6 31 | 11 6 | 1 43 | 5 7 | 1 0 | 13 8 | 1 16 | 7 49 | 2 43 | 12 2 | 1 25 | 22 16 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 6 | 10 50 | 16 9 | 16 36 | 16 21 | 14 7 | 2 51 |
| T 25 | 6 8 | 14 41 | 0 34 | 4 12 | 0 51 | 12 43 | 1 17 | 7 48 | 2 43 | 12 5 | 1 25 | 22 16 | 1 11 | 23 6 | 0 4 | 19 8 | 1 35 | 10 6 | 10 50 | 16 9 | 16 35 | 16 19 | 14 8 | 2 51 |
| W26 | 5 45 | 17 26 | 0n35 | 3 16 | 0 42 | 12 18 | 1 18 | 7 48 | 2 43 | 12 7 | 1 25 | 22 16 | 1 11 | 23 6 | 0 4 | 19 9 | 1 35 | 10 7 | 10 50 | 16 9 | 16 35 | 16 18 | 14 9 | 2 51 |
| T 27 | 5 22 | 19 14 | 1 40 | 2 20 | 0 32 | 11 52 | 1 19 | 7 46 | 2 43 | 12 10 | 1 25 | 22 16 | 1 11 | 23 6 | 0 4 | 19 9 | 1 35 | 10 7 | 10 50 | 16 9 | 16 34 | 16 16 | 14 10 | 2 51 |
| F 28 | 4s58 | 20s 5 | 2n39 | 1s23 | 0s22 | 11s26 | 1s20 | 7s45 | 2n43 | 12n13 | 1n25 | 22s16 | 1n11 | 23s 6 | 0s 4 | 19n 9 | 1s35 | 10n 7 | 10s49 | 16s 9 | 16s33 | 16s15 | 14n10 | 2s51 |

Julian Day Number = 2232073.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'56, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'28, Lahiri = 15°28'28 Julian Calendar 1 Feb. 1399 == Greg. Calendar 9 Feb. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## MARCH 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 6 18 | 18♓27'11 | 27♐30 | 29♓17 | 4♓55 | 26°R29 | 1°R36 | 25♐40 | 18♐50 | 2♊24 | 2♊36 | 14°R12 | 15♏29 | 26♉ 8 | 16♉49 | S 1 |
| S 2 | 11 10 14 | 19°26'49 | 9♉23 | 1♈12 | 6°10 | 26♎24 | 1♍29 | 25°42 | 18°50 | 2°25 | 2°37 | 14♏ 9 | 15°26 | 26°15 | 16°52 | S 2 |
| M 3 | 11 14 11 | 20°26'26 | 21°14 | 3° 6 | 7°24 | 26°17 | 1°22 | 25°45 | 18°51 | 2°26 | 2°37 | 14° 5 | 15°23 | 26°22 | 16°55 | M 3 |
| T 4 | 11 18 7 | 21°26'01 | 3♒ 5 | 4°58 | 8°39 | 26°10 | 1°15 | 25°47 | 18°52 | 2°27 | 2°38 | 13°58 | 15°19 | 26°28 | 16°58 | T 4 |
| W 5 | 11 22 4 | 22°25'34 | 15° 2 | 6°47 | 9°53 | 26° 2 | 1° 8 | 25°49 | 18°52 | 2°28 | 2°38 | 13°50 | 15°16 | 26°35 | 17° 1 | W 5 |
| T 6 | 11 26 1 | 23°25'05 | 27° 6 | 8°33 | 11° 8 | 25°53 | 1° 1 | 25°52 | 18°53 | 2°29 | 2°39 | 13°40 | 15°13 | 26°42 | 17° 4 | T 6 |
| F 7 | 11 29 57 | 24°24'34 | 9♓21 | 10°16 | 12°22 | 25°44 | 0°54 | 25°54 | 18°53 | 2°30 | 2°39 | 13°30 | 15°10 | 26°49 | 17° 7 | F 7 |
| S 8 | 11 33 54 | 25°24'01 | 21°46 | 11°55 | 13°37 | 25°34 | 0°48 | 25°56 | 18°54 | 2°31 | 2°40 | 13°22 | 15° 7 | 26°55 | 17°10 | S 8 |
| S 9 | 11 37 50 | 26°23'26 | 4♈22 | 13°30 | 14°51 | 25°23 | 0°41 | 25°58 | 18°54 | 2°32 | 2°41 | 13°14 | 15° 3 | 27° 2 | 17°13 | S 9 |
| M10 | 11 41 47 | 27°22'49 | 17°10 | 15° 0 | 16° 6 | 25°11 | 0°35 | 25°59 | 18°55 | 2°33 | 2°41 | 13° 9 | 15° 0 | 27° 9 | 17°17 | M10 |
| T 11 | 11 45 43 | 28°22'10 | 0♉10 | 16°25 | 17°20 | 24°58 | 0°29 | 26° 1 | 18°55 | 2°34 | 2°42 | 13° 6 | 14°57 | 27°15 | 17°20 | T 11 |
| W12 | 11 49 40 | 29°21'28 | 13°21 | 17°45 | 18°34 | 24°45 | 0°22 | 26° 3 | 18°55 | 2°35 | 2°43 | 13°D 5 | 14°54 | 27°22 | 17°23 | W12 |
| T 13 | 11 53 36 | 0♈20'45 | 26°44 | 18°59 | 19°49 | 24°31 | 0°16 | 26° 4 | 18°55 | 2°37 | 2°43 | 13° 6 | 14°51 | 27°29 | 17°27 | T 13 |
| F 14 | 11 57 33 | 1°19'59 | 10♊20 | 20° 7 | 21° 3 | 24°16 | 0°11 | 26° 6 | 18°55 | 2°38 | 2°44 | 13° 7 | 14°48 | 27°36 | 17°30 | F 14 |
| S 15 | 12 1 29 | 2°19'10 | 24° 9 | 21° 9 | 22°18 | 24° 1 | 0° 5 | 26° 7 | 18°55 | 2°39 | 2°45 | 13° 8 | 14°44 | 27°42 | 17°34 | S 15 |
| S 16 | 12 5 26 | 3°18'20 | 8♋12 | 22° 5 | 23°32 | 23°45 | 29♌59 | 26° 8 | 18°R55 | 2°40 | 2°46 | 13°R 9 | 14°41 | 27°49 | 17°37 | S 16 |
| M17 | 12 9 23 | 4°17'27 | 22°26 | 22°53 | 24°46 | 23°28 | 29°54 | 26° 9 | 18°55 | 2°42 | 2°46 | 13° 7 | 14°38 | 27°56 | 17°41 | M17 |
| T 18 | 12 13 19 | 5°16'31 | 6♌51 | 23°35 | 26° 1 | 23°11 | 29°49 | 26°10 | 18°55 | 2°43 | 2°47 | 13° 4 | 14°35 | 28° 2 | 17°44 | T 18 |
| W19 | 12 17 16 | 6°15'33 | 21°22 | 24°11 | 27°15 | 22°53 | 29°43 | 26°11 | 18°55 | 2°44 | 2°48 | 13° 0 | 14°32 | 28° 9 | 17°48 | W19 |
| T 20 | 12 21 12 | 7°14'33 | 5♍55 | 24°39 | 28°29 | 22°35 | 29°38 | 26°12 | 18°55 | 2°46 | 2°49 | 12°54 | 14°29 | 28°16 | 17°52 | T 20 |
| F 21 | 12 25 9 | 8°13'31 | 20°23 | 25° 0 | 29°43 | 22°16 | 29°34 | 26°13 | 18°55 | 2°47 | 2°50 | 12°49 | 14°25 | 28°23 | 17°55 | F 21 |
| S 22 | 12 29 5 | 9°12'26 | 4♎39 | 25°15 | 0♈58 | 21°57 | 29°29 | 26°13 | 18°54 | 2°49 | 2°50 | 12°44 | 14°22 | 28°29 | 17°59 | S 22 |
| S 23 | 12 33 2 | 10°11'19 | 18°39 | 25°22 | 2°12 | 21°37 | 29°24 | 26°14 | 18°54 | 2°50 | 2°51 | 12°41 | 14°19 | 28°36 | 18° 3 | S 23 |
| M24 | 12 36 58 | 11°10'11 | 2♏18 | 25°R23 | 3°26 | 21°16 | 29°20 | 26°14 | 18°54 | 2°52 | 2°52 | 12°39 | 14°16 | 28°43 | 18° 7 | M24 |
| T 25 | 12 40 55 | 12° 9'00 | 15°35 | 25°18 | 4°40 | 20°56 | 29°16 | 26°15 | 18°53 | 2°53 | 2°53 | 12°D39 | 14°13 | 28°49 | 18°11 | T 25 |
| W26 | 12 44 52 | 13° 7'48 | 28°30 | 25° 6 | 5°55 | 20°34 | 29°12 | 26°15 | 18°53 | 2°55 | 2°54 | 12°39 | 14° 9 | 28°56 | 18°15 | W26 |
| T 27 | 12 48 48 | 14° 6'34 | 11♐ 5 | 24°49 | 7° 9 | 20°13 | 29° 8 | 26°15 | 18°52 | 2°56 | 2°55 | 12°41 | 14° 6 | 29° 3 | 18°18 | T 27 |
| F 28 | 12 52 45 | 15° 5'18 | 23°22 | 24°26 | 8°23 | 19°51 | 29° 4 | 26°R15 | 18°52 | 2°58 | 2°56 | 12°43 | 14° 3 | 29°10 | 18°22 | F 28 |
| S 29 | 12 56 41 | 16° 4'00 | 5♉27 | 23°58 | 9°37 | 19°29 | 29° 1 | 26°15 | 18°51 | 3° 0 | 2°57 | 12°44 | 14° 0 | 29°16 | 18°26 | S 29 |
| S 30 | 13 0 38 | 17° 2'41 | 17°23 | 23°26 | 10°51 | 19° 7 | 28°57 | 26°15 | 18°50 | 3° 1 | 2°58 | 12°R44 | 13°57 | 29°23 | 18°30 | S 30 |
| M31 | 13 4 34 | 18♈ 1'19 | 29♉16 | 22♈51 | 12♈ 6 | 18♎44 | 28♌54 | 26♐15 | 18♐50 | 3♊ 3 | 2♊59 | 12♏44 | 13♏54 | 29♉30 | 18♉35 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s35 | 19s59 | 3n31 | 0s27 | 0s11 | 10s59 | 1s21 | 7s43 | 2n43 | 12n15 | 1n25 | 22s16 | 1n11 | 23s 7 | 0s 4 | 19n 9 | 1s35 | 10n 8 | 10s49 | 16s 9 | 16s32 | 16s13 | 14n11 | 2s51 |
| S 2 | 4 11 | 19 0 | 4 12 | 0n30 | 0n 1 | 10 33 | 1 22 | 7 41 | 2 43 | 12 18 | 1 25 | 22 16 | 1 11 | 23 7 | 0 4 | 19 10 | 1 35 | 10 8 | 10 49 | 16 8 | 16 31 | 16 12 | 14 12 | 2 50 |
| M 3 | 3 48 | 17 11 | 4 42 | 1 26 | 0 12 | 10 6 | 1 23 | 7 39 | 2 43 | 12 20 | 1 25 | 22 16 | 1 11 | 23 7 | 0 4 | 19 10 | 1 35 | 10 8 | 10 49 | 16 7 | 16 30 | 16 10 | 14 13 | 2 50 |
| T 4 | 3 24 | 14 39 | 5 1 | 2 21 | 0 24 | 9 38 | 1 23 | 7 37 | 2 42 | 12 23 | 1 25 | 22 16 | 1 11 | 23 7 | 0 4 | 19 10 | 1 35 | 10 9 | 10 48 | 16 5 | 16 29 | 16 9 | 14 14 | 2 50 |
| W 5 | 3 1 | 11 30 | 5 6 | 3 16 | 0 37 | 9 11 | 1 24 | 7 34 | 2 42 | 12 25 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 10 | 1 35 | 10 9 | 10 48 | 16 2 | 16 28 | 16 7 | 14 15 | 2 50 |
| T 6 | 2 37 | 7 51 | 4 58 | 4 9 | 0 49 | 8 43 | 1 25 | 7 31 | 2 42 | 12 28 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 11 | 1 35 | 10 9 | 10 48 | 16 0 | 16 27 | 16 5 | 14 16 | 2 50 |
| F 7 | 2 14 | 3 50 | 4 36 | 5 1 | 1 2 | 8 15 | 1 25 | 7 28 | 2 41 | 12 30 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 11 | 1 35 | 10 10 | 10 48 | 15 57 | 16 26 | 16 4 | 14 17 | 2 50 |
| S 8 | 1 50 | 0n24 | 4 1 | 5 52 | 1 14 | 7 47 | 1 26 | 7 25 | 2 41 | 12 32 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 11 | 1 35 | 10 10 | 10 47 | 15 54 | 16 25 | 16 2 | 14 18 | 2 50 |
| S 9 | 1 26 | 4 42 | 3 13 | 6 40 | 1 26 | 7 18 | 1 26 | 7 21 | 2 41 | 12 35 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 11 | 1 34 | 10 11 | 10 47 | 15 52 | 16 24 | 16 1 | 14 19 | 2 50 |
| M10 | 1 3 | 8 51 | 2 15 | 7 27 | 1 39 | 6 50 | 1 27 | 7 17 | 2 40 | 12 37 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 12 | 1 34 | 10 11 | 10 47 | 15 50 | 16 23 | 15 59 | 14 20 | 2 50 |
| T 11 | 0 39 | 12 39 | 1 9 | 8 10 | 1 50 | 6 21 | 1 27 | 7 13 | 2 40 | 12 39 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 12 | 1 34 | 10 11 | 10 47 | 15 49 | 16 22 | 15 58 | 14 20 | 2 50 |
| W12 | 0 15 | 15 52 | 0s 1 | 8 52 | 2 2 | 5 52 | 1 27 | 7 9 | 2 39 | 12 41 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 12 | 1 34 | 10 12 | 10 46 | 15 49 | 16 21 | 15 56 | 14 21 | 2 50 |
| T 13 | 0n 8 | 18 18 | 1 13 | 9 30 | 2 13 | 5 23 | 1 27 | 7 5 | 2 38 | 12 43 | 1 24 | 22 16 | 1 11 | 23 7 | 0 4 | 19 12 | 1 34 | 10 12 | 10 46 | 15 49 | 16 21 | 15 55 | 14 22 | 2 50 |
| F 14 | 0 32 | 19 43 | 2 22 | 10 6 | 2 23 | 4 54 | 1 27 | 7 0 | 2 37 | 12 45 | 1 24 | 22 16 | 1 12 | 23 7 | 0 4 | 19 13 | 1 34 | 10 12 | 10 46 | 15 50 | 16 20 | 15 53 | 14 23 | 2 50 |
| S 15 | 0 56 | 19 59 | 3 24 | 10 38 | 2 33 | 4 24 | 1 27 | 6 55 | 2 37 | 12 47 | 1 24 | 22 16 | 1 12 | 23 7 | 0 4 | 19 13 | 1 34 | 10 13 | 10 46 | 15 50 | 16 19 | 15 52 | 14 24 | 2 50 |
| S 16 | 1 19 | 19 1 | 4 15 | 11 7 | 2 42 | 3 55 | 1 27 | 6 50 | 2 36 | 12 49 | 1 24 | 22 16 | 1 12 | 23 7 | 0 4 | 19 13 | 1 34 | 10 13 | 10 45 | 15 50 | 16 18 | 15 50 | 14 25 | 2 50 |
| M17 | 1 43 | 16 52 | 4 51 | 11 33 | 2 50 | 3 25 | 1 27 | 6 45 | 2 35 | 12 51 | 1 24 | 22 16 | 1 12 | 23 7 | 0 4 | 19 14 | 1 34 | 10 13 | 10 45 | 15 50 | 16 17 | 15 49 | 14 27 | 2 50 |
| T 18 | 2 6 | 13 38 | 5 9 | 11 55 | 2 56 | 2 55 | 1 27 | 6 40 | 2 34 | 12 53 | 1 24 | 22 16 | 1 12 | 23 7 | 0 4 | 19 14 | 1 34 | 10 14 | 10 45 | 15 49 | 16 16 | 15 47 | 14 28 | 2 50 |
| W19 | 2 30 | 9 34 | 5 7 | 12 14 | 3 2 | 2 26 | 1 27 | 6 34 | 2 33 | 12 54 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 14 | 1 34 | 10 14 | 10 45 | 15 47 | 16 15 | 15 45 | 14 29 | 2 50 |
| T 20 | 2 53 | 4 56 | 4 46 | 12 29 | 3 7 | 1 56 | 1 27 | 6 28 | 2 31 | 12 56 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 15 | 1 34 | 10 15 | 10 44 | 15 46 | 16 14 | 15 44 | 14 30 | 2 50 |
| F 21 | 3 16 | 0 3 | 4 7 | 12 40 | 3 11 | 1 26 | 1 26 | 6 22 | 2 30 | 12 58 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 15 | 1 34 | 10 15 | 10 44 | 15 44 | 16 13 | 15 42 | 14 31 | 2 50 |
| S 22 | 3 40 | 4s48 | 3 12 | 12 47 | 3 13 | 0 56 | 1 26 | 6 16 | 2 29 | 12 59 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 15 | 1 34 | 10 15 | 10 44 | 15 43 | 16 12 | 15 41 | 14 32 | 2 50 |
| S 23 | 4 3 | 9 17 | 2 7 | 12 51 | 3 14 | 0 26 | 1 25 | 6 10 | 2 28 | 13 1 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 16 | 1 34 | 10 16 | 10 44 | 15 42 | 16 11 | 15 39 | 14 33 | 2 50 |
| M24 | 4 26 | 13 12 | 0 56 | 12 51 | 3 13 | 0n 4 | 1 25 | 6 4 | 2 26 | 13 2 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 16 | 1 34 | 10 16 | 10 43 | 15 41 | 16 10 | 15 38 | 14 34 | 2 50 |
| T 25 | 4 49 | 16 18 | 0n16 | 12 47 | 3 12 | 0 35 | 1 24 | 5 58 | 2 25 | 13 3 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 16 | 1 34 | 10 16 | 10 43 | 15 41 | 16 9 | 15 36 | 14 35 | 2 50 |
| W26 | 5 12 | 18 30 | 1 26 | 12 40 | 3 8 | 1 5 | 1 24 | 5 51 | 2 23 | 13 5 | 1 23 | 22 16 | 1 12 | 23 7 | 0 4 | 19 17 | 1 34 | 10 17 | 10 43 | 15 41 | 16 8 | 15 35 | 14 36 | 2 49 |
| T 27 | 5 35 | 19 42 | 2 30 | 12 28 | 3 3 | 1 35 | 1 23 | 5 45 | 2 21 | 13 6 | 1 22 | 22 16 | 1 12 | 23 7 | 0 4 | 19 17 | 1 34 | 10 17 | 10 43 | 15 42 | 16 7 | 15 33 | 14 37 | 2 49 |
| F 28 | 5 58 | 19 56 | 3 25 | 12 14 | 2 57 | 2 5 | 1 22 | 5 38 | 2 20 | 13 7 | 1 22 | 22 16 | 1 12 | 23 7 | 0 4 | 19 17 | 1 34 | 10 18 | 10 43 | 15 42 | 16 6 | 15 31 | 14 38 | 2 49 |
| S 29 | 6 20 | 19 14 | 4 10 | 11 56 | 2 49 | 2 35 | 1 21 | 5 31 | 2 18 | 13 8 | 1 22 | 22 16 | 1 12 | 23 7 | 0 4 | 19 18 | 1 33 | 10 18 | 10 42 | 15 43 | 16 5 | 15 30 | 14 39 | 2 49 |
| S 30 | 6 43 | 17 41 | 4 44 | 11 36 | 2 39 | 3 5 | 1 20 | 5 25 | 2 16 | 13 9 | 1 22 | 22 15 | 1 12 | 23 7 | 0 4 | 19 18 | 1 33 | 10 18 | 10 42 | 15 43 | 16 5 | 15 28 | 14 40 | 2 49 |
| M31 | 7n 5 | 15s23 | 5n 6 | 11n12 | 2n28 | 3n35 | 1s19 | 5s18 | 2n14 | 13n10 | 1n22 | 22s15 | 1n12 | 23s 7 | 0s 4 | 19n18 | 1s33 | 10n19 | 10s42 | 15s43 | 16s 4 | 15s27 | 14n42 | 2s49 |

Julian Day Number = 2232101.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'56, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'32, Lahiri = 15°28'32 Julian Calendar 1 March 1399 == Greg. Calendar 9 March 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## APRIL 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 8 31 | 18♈59'57 | 11♒ 9 | 22°R13 | 13♈20 | 18°R22 | 28°R51 | 26°R14 | 18°R49 | 3♊ 5 | 3♊ 0 | 12°R42 | 13♏50 | 29♉36 | 18♉39 | T 1 |
| W 2 | 13 12 27 | 19°58'32 | 23° 9 | 21♈32 | 14°34 | 17♎59 | 28♌48 | 26♐14 | 18♐48 | 3° 7 | 3° 1 | 12♏40 | 13°47 | 29°43 | 18°43 | W 2 |
| T 3 | 13 16 24 | 20°57'06 | 5♓17 | 20°50 | 15°48 | 17°36 | 28°46 | 26°13 | 18°47 | 3° 8 | 3° 2 | 12°36 | 13°44 | 29°50 | 18°47 | T 3 |
| F 4 | 13 20 21 | 21°55'37 | 17°38 | 20° 8 | 17° 2 | 17°13 | 28°43 | 26°13 | 18°46 | 3°10 | 3° 3 | 12°33 | 13°41 | 29°57 | 18°51 | F 4 |
| S 5 | 13 24 17 | 22°54'07 | 0♈14 | 19°26 | 18°16 | 16°51 | 28°41 | 26°12 | 18°45 | 3°12 | 3° 4 | 12°30 | 13°38 | 0♒ 3 | 18°55 | S 5 |
| S 6 | 13 28 14 | 23°52'36 | 13° 5 | 18°45 | 19°30 | 16°28 | 28°39 | 26°11 | 18°44 | 3°14 | 3° 5 | 12°27 | 13°35 | 0°10 | 19° 0 | S 6 |
| M 7 | 13 32 10 | 24°51'02 | 26°12 | 18° 6 | 20°44 | 16° 6 | 28°37 | 26°10 | 18°43 | 3°15 | 3° 6 | 12°26 | 13°31 | 0°17 | 19° 4 | M 7 |
| T 8 | 13 36 7 | 25°49'27 | 9♉35 | 17°29 | 21°59 | 15°44 | 28°35 | 26° 9 | 18°42 | 3°17 | 3° 8 | 12°D25 | 13°28 | 0°23 | 19° 8 | T 8 |
| W 9 | 13 40 3 | 26°47'49 | 23°11 | 16°54 | 23°13 | 15°22 | 28°33 | 26° 8 | 18°41 | 3°19 | 3° 9 | 12°25 | 13°25 | 0°30 | 19°12 | W 9 |
| T 10 | 13 44 0 | 27°46'10 | 6♊59 | 16°24 | 24°27 | 15° 0 | 28°32 | 26° 7 | 18°40 | 3°21 | 3°10 | 12°26 | 13°22 | 0°37 | 19°17 | T 10 |
| F 11 | 13 47 56 | 28°44'29 | 20°57 | 15°57 | 25°41 | 14°38 | 28°31 | 26° 5 | 18°38 | 3°23 | 3°11 | 12°27 | 13°19 | 0°44 | 19°21 | F 11 |
| S 12 | 13 51 53 | 29°42'46 | 5♋ 2 | 15°34 | 26°55 | 14°17 | 28°30 | 26° 4 | 18°37 | 3°25 | 3°12 | 12°28 | 13°15 | 0°50 | 19°25 | S 12 |
| S 13 | 13 55 50 | 0♉41'00 | 19°12 | 15°16 | 28° 9 | 13°57 | 28°29 | 26° 3 | 18°36 | 3°27 | 3°13 | 12°29 | 13°12 | 0°57 | 19°30 | S 13 |
| M14 | 13 59 46 | 1°39'13 | 3♌25 | 15° 2 | 29°23 | 13°37 | 28°28 | 26° 1 | 18°34 | 3°29 | 3°15 | 12°R29 | 13° 9 | 1° 4 | 19°34 | M14 |
| T 15 | 14 3 43 | 2°37'23 | 17°39 | 14°53 | 0♉37 | 13°17 | 28°28 | 25°59 | 18°33 | 3°31 | 3°16 | 12°29 | 13° 6 | 1°11 | 19°39 | T 15 |
| W16 | 14 7 39 | 3°35'31 | 1♍50 | 14°D49 | 1°51 | 12°58 | 28°28 | 25°58 | 18°31 | 3°33 | 3°17 | 12°28 | 13° 3 | 1°17 | 19°43 | W16 |
| T 17 | 14 11 36 | 4°33'37 | 15°57 | 14°49 | 3° 5 | 12°39 | 28°D28 | 25°56 | 18°30 | 3°35 | 3°18 | 12°27 | 13° 0 | 1°24 | 19°48 | T 17 |
| F 18 | 14 15 32 | 5°31'42 | 29°56 | 14°54 | 4°19 | 12°21 | 28°28 | 25°54 | 18°28 | 3°37 | 3°19 | 12°27 | 12°56 | 1°31 | 19°52 | F 18 |
| S 19 | 14 19 29 | 6°29'44 | 13♎44 | 15° 4 | 5°33 | 12° 4 | 28°28 | 25°52 | 18°27 | 3°39 | 3°21 | 12°26 | 12°53 | 1°37 | 19°56 | S 19 |
| S 20 | 14 23 25 | 7°27'45 | 27°19 | 15°19 | 6°47 | 11°47 | 28°28 | 25°50 | 18°25 | 3°41 | 3°22 | 12°25 | 12°50 | 1°44 | 20° 1 | S 20 |
| M21 | 14 27 22 | 8°25'44 | 10♏38 | 15°38 | 8° 0 | 11°31 | 28°29 | 25°47 | 18°24 | 3°43 | 3°23 | 12°D25 | 12°47 | 1°51 | 20° 5 | M21 |
| T 22 | 14 31 18 | 9°23'41 | 23°41 | 16° 2 | 9°14 | 11°16 | 28°30 | 25°45 | 18°22 | 3°45 | 3°24 | 12°25 | 12°44 | 1°58 | 20°10 | T 22 |
| W23 | 14 35 15 | 10°21'37 | 6♐27 | 16°30 | 10°28 | 11° 1 | 28°31 | 25°43 | 18°20 | 3°47 | 3°26 | 12°26 | 12°40 | 2° 4 | 20°14 | W23 |
| T 24 | 14 39 12 | 11°19'31 | 18°57 | 17° 2 | 11°42 | 10°47 | 28°32 | 25°40 | 18°18 | 3°49 | 3°27 | 12°26 | 12°37 | 2°11 | 20°19 | T 24 |
| F 25 | 14 43 8 | 12°17'24 | 1♑14 | 17°38 | 12°56 | 10°33 | 28°34 | 25°38 | 18°17 | 3°51 | 3°28 | 12°R26 | 12°34 | 2°18 | 20°24 | F 25 |
| S 26 | 14 47 5 | 13°15'16 | 13°19 | 18°18 | 14°10 | 10°21 | 28°35 | 25°35 | 18°15 | 3°53 | 3°30 | 12°26 | 12°31 | 2°24 | 20°28 | S 26 |
| S 27 | 14 51 1 | 14°13'06 | 25°16 | 19° 2 | 15°24 | 10° 9 | 28°37 | 25°33 | 18°13 | 3°55 | 3°31 | 12°26 | 12°28 | 2°31 | 20°33 | S 27 |
| M28 | 14 54 58 | 15°10'56 | 7♒ 9 | 19°49 | 16°38 | 9°58 | 28°39 | 25°30 | 18°11 | 3°58 | 3°32 | 12°25 | 12°25 | 2°38 | 20°37 | M28 |
| T 29 | 14 58 54 | 16° 8'43 | 19° 4 | 20°39 | 17°51 | 9°48 | 28°41 | 25°27 | 18° 9 | 4° 0 | 3°33 | 12°D25 | 12°21 | 2°45 | 20°42 | T 29 |
| W30 | 15 2 51 | 17♉ 6'30 | 1♓ 3 | 21♈34 | 19♉ 5 | 9♎38 | 28♌43 | 25♐24 | 18♐ 7 | 4♊ 2 | 3♊35 | 12♏26 | 12♏18 | 2♒51 | 20♉46 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 7n28 | 12s27 | 5n14 | 10n47 | 2n16 | 4n 5 | 1s18 | 5s11 | 2n12 | 13n11 | 1n22 | 22s15 | 1n12 | 23s 7 | 0s 4 | 19n19 | 1s33 | 10n19 | 10s42 | 15s42 | 16s 3 | 15s25 | 14n43 | 2s49 |
| W 2 | 7 50 | 8 59 | 5 9 | 10 19 | 2 3 | 4 34 | 1 17 | 5 4 | 2 10 | 13 12 | 1 22 | 22 15 | 1 12 | 23 7 | 0 4 | 19 19 | 1 33 | 10 20 | 10 42 | 15 41 | 16 2 | 15 23 | 14 44 | 2 49 |
| T 3 | 8 12 | 5 6 | 4 50 | 9 50 | 1 49 | 5 4 | 1 16 | 4 58 | 2 8 | 13 13 | 1 21 | 22 15 | 1 12 | 23 7 | 0 4 | 19 20 | 1 33 | 10 20 | 10 41 | 15 40 | 16 1 | 15 22 | 14 45 | 2 49 |
| F 4 | 8 34 | 0 57 | 4 17 | 9 20 | 1 33 | 5 34 | 1 15 | 4 51 | 2 6 | 13 14 | 1 21 | 22 15 | 1 13 | 23 7 | 0 4 | 19 20 | 1 33 | 10 20 | 10 41 | 15 39 | 16 0 | 15 20 | 14 46 | 2 49 |
| S 5 | 8 56 | 3n20 | 3 32 | 8 50 | 1 18 | 6 3 | 1 14 | 4 44 | 2 3 | 13 14 | 1 21 | 22 15 | 1 13 | 23 7 | 0 4 | 19 20 | 1 33 | 10 21 | 10 41 | 15 38 | 15 59 | 15 19 | 14 47 | 2 49 |
| S 6 | 9 18 | 7 33 | 2 35 | 8 19 | 1 1 | 6 32 | 1 12 | 4 38 | 2 1 | 13 15 | 1 21 | 22 15 | 1 13 | 23 7 | 0 4 | 19 21 | 1 33 | 10 21 | 10 41 | 15 38 | 15 58 | 15 17 | 14 48 | 2 49 |
| M 7 | 9 39 | 11 31 | 1 28 | 7 48 | 0 44 | 7 2 | 1 11 | 4 32 | 1 59 | 13 15 | 1 21 | 22 15 | 1 13 | 23 6 | 0 4 | 19 21 | 1 33 | 10 21 | 10 41 | 15 37 | 15 57 | 15 16 | 14 49 | 2 49 |
| T 8 | 10 1 | 14 59 | 0 16 | 7 18 | 0 27 | 7 31 | 1 10 | 4 25 | 1 56 | 13 16 | 1 21 | 22 15 | 1 13 | 23 6 | 0 4 | 19 21 | 1 33 | 10 22 | 10 41 | 15 37 | 15 56 | 15 14 | 14 51 | 2 50 |
| W 9 | 10 22 | 17 40 | 0s59 | 6 50 | 0 11 | 7 59 | 1 8 | 4 19 | 1 54 | 13 16 | 1 20 | 22 15 | 1 13 | 23 6 | 0 4 | 19 22 | 1 33 | 10 22 | 10 40 | 15 37 | 15 55 | 15 12 | 14 52 | 2 50 |
| T 10 | 10 43 | 19 23 | 2 12 | 6 22 | 0s 6 | 8 28 | 1 7 | 4 13 | 1 51 | 13 17 | 1 20 | 22 15 | 1 13 | 23 6 | 0 4 | 19 22 | 1 33 | 10 23 | 10 40 | 15 37 | 15 54 | 15 11 | 14 53 | 2 50 |
| F 11 | 11 4 | 19 56 | 3 17 | 5 57 | 0 23 | 8 57 | 1 5 | 4 7 | 1 49 | 13 17 | 1 20 | 22 15 | 1 13 | 23 6 | 0 4 | 19 23 | 1 33 | 10 23 | 10 40 | 15 37 | 15 53 | 15 9 | 14 54 | 2 50 |
| S 12 | 11 24 | 19 14 | 4 11 | 5 33 | 0 39 | 9 25 | 1 4 | 4 1 | 1 46 | 13 17 | 1 20 | 22 15 | 1 13 | 23 6 | 0 4 | 19 23 | 1 33 | 10 23 | 10 40 | 15 38 | 15 52 | 15 8 | 14 55 | 2 50 |
| S 13 | 11 45 | 17 20 | 4 51 | 5 12 | 0 54 | 9 53 | 1 2 | 3 56 | 1 44 | 13 17 | 1 20 | 22 15 | 1 13 | 23 6 | 0 4 | 19 23 | 1 33 | 10 24 | 10 40 | 15 38 | 15 51 | 15 6 | 14 56 | 2 50 |
| M14 | 12 5 | 14 23 | 5 13 | 4 53 | 1 9 | 10 21 | 1 0 | 3 50 | 1 41 | 13 17 | 1 20 | 22 14 | 1 13 | 23 6 | 0 4 | 19 24 | 1 33 | 10 24 | 10 40 | 15 38 | 15 50 | 15 4 | 14 57 | 2 50 |
| T 15 | 12 25 | 10 35 | 5 15 | 4 36 | 1 23 | 10 49 | 0 59 | 3 45 | 1 38 | 13 17 | 1 19 | 22 14 | 1 13 | 23 6 | 0 4 | 19 24 | 1 33 | 10 24 | 10 39 | 15 38 | 15 49 | 15 3 | 14 59 | 2 50 |
| W16 | 12 45 | 6 12 | 4 59 | 4 22 | 1 37 | 11 16 | 0 57 | 3 40 | 1 36 | 13 17 | 1 19 | 22 14 | 1 13 | 23 6 | 0 4 | 19 25 | 1 33 | 10 25 | 10 39 | 15 38 | 15 48 | 15 1 | 15 0 | 2 50 |
| T 17 | 13 5 | 1 30 | 4 24 | 4 10 | 1 50 | 11 43 | 0 55 | 3 35 | 1 33 | 13 17 | 1 19 | 22 14 | 1 13 | 23 5 | 0 5 | 19 25 | 1 33 | 10 25 | 10 39 | 15 37 | 15 47 | 14 59 | 15 1 | 2 50 |
| F 18 | 13 24 | 3s15 | 3 34 | 4 2 | 2 1 | 12 10 | 0 53 | 3 31 | 1 30 | 13 17 | 1 19 | 22 14 | 1 13 | 23 5 | 0 5 | 19 25 | 1 33 | 10 25 | 10 39 | 15 37 | 15 46 | 14 58 | 15 2 | 2 50 |
| S 19 | 13 44 | 7 46 | 2 32 | 3 55 | 2 12 | 12 36 | 0 51 | 3 26 | 1 28 | 13 16 | 1 19 | 22 14 | 1 13 | 23 5 | 0 5 | 19 26 | 1 33 | 10 26 | 10 39 | 15 37 | 15 45 | 14 56 | 15 3 | 2 50 |
| S 20 | 14 3 | 11 50 | 1 23 | 3 52 | 2 22 | 13 3 | 0 49 | 3 22 | 1 25 | 13 16 | 1 19 | 22 14 | 1 13 | 23 5 | 0 5 | 19 26 | 1 33 | 10 26 | 10 39 | 15 37 | 15 44 | 14 55 | 15 4 | 2 50 |
| M21 | 14 22 | 15 13 | 0 10 | 3 51 | 2 31 | 13 29 | 0 47 | 3 19 | 1 22 | 13 16 | 1 18 | 22 14 | 1 13 | 23 5 | 0 5 | 19 27 | 1 33 | 10 27 | 10 39 | 15 37 | 15 43 | 14 53 | 15 5 | 2 50 |
| T 22 | 14 40 | 17 45 | 1n 2 | 3 52 | 2 40 | 13 54 | 0 45 | 3 15 | 1 19 | 13 15 | 1 18 | 22 14 | 1 13 | 23 5 | 0 5 | 19 27 | 1 33 | 10 27 | 10 38 | 15 37 | 15 42 | 14 51 | 15 7 | 2 50 |
| W23 | 14 58 | 19 20 | 2 9 | 3 56 | 2 47 | 14 19 | 0 43 | 3 12 | 1 17 | 13 15 | 1 18 | 22 14 | 1 13 | 23 5 | 0 5 | 19 28 | 1 33 | 10 27 | 10 38 | 15 37 | 15 41 | 14 50 | 15 8 | 2 50 |
| T 24 | 15 17 | 19 55 | 3 9 | 4 2 | 2 54 | 14 44 | 0 41 | 3 9 | 1 14 | 13 14 | 1 18 | 22 14 | 1 13 | 23 5 | 0 5 | 19 28 | 1 33 | 10 28 | 10 38 | 15 37 | 15 41 | 14 48 | 15 9 | 2 50 |
| F 25 | 15 34 | 19 32 | 3 59 | 4 11 | 2 59 | 15 9 | 0 39 | 3 6 | 1 11 | 13 14 | 1 18 | 22 13 | 1 13 | 23 4 | 0 5 | 19 28 | 1 33 | 10 28 | 10 38 | 15 37 | 15 40 | 14 47 | 15 10 | 2 50 |
| S 26 | 15 52 | 18 15 | 4 37 | 4 21 | 3 4 | 15 33 | 0 37 | 3 4 | 1 8 | 13 13 | 1 17 | 22 13 | 1 13 | 23 4 | 0 5 | 19 29 | 1 32 | 10 28 | 10 38 | 15 37 | 15 39 | 14 45 | 15 11 | 2 50 |
| S 27 | 16 9 | 16 11 | 5 3 | 4 34 | 3 8 | 15 57 | 0 35 | 3 2 | 1 6 | 13 12 | 1 17 | 22 13 | 1 13 | 23 4 | 0 5 | 19 29 | 1 32 | 10 29 | 10 38 | 15 37 | 15 38 | 14 43 | 15 12 | 2 50 |
| M28 | 16 26 | 13 27 | 5 16 | 4 49 | 3 12 | 16 20 | 0 33 | 3 0 | 1 3 | 13 11 | 1 17 | 22 13 | 1 13 | 23 4 | 0 5 | 19 30 | 1 32 | 10 29 | 10 38 | 15 37 | 15 37 | 14 42 | 15 13 | 2 50 |
| T 29 | 16 43 | 10 10 | 5 15 | 5 6 | 3 14 | 16 43 | 0 30 | 2 58 | 1 0 | 13 10 | 1 17 | 22 13 | 1 13 | 23 4 | 0 5 | 19 30 | 1 32 | 10 29 | 10 38 | 15 37 | 15 36 | 14 40 | 15 15 | 2 50 |
| W30 | 17n 0 | 6s27 | 5n 0 | 5n24 | 3s16 | 17n 6 | 0s28 | 2s57 | 0n58 | 13n 9 | 1n17 | 22s13 | 1n13 | 23s 4 | 0s 5 | 19n30 | 1s32 | 10n30 | 10s37 | 15s37 | 15s35 | 14s38 | 15n16 | 2s51 |

Julian Day Number = 2232132.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'56, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'36, Lahiri = 15°28'36 Julian Calendar 1 Apr. 1399 == Greg. Calendar 9 Apr. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## MAY 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 6 47 | 18♉ 4'15 | 13♓13 | 22♈31 | 20♉19 | 9°R29 | 28♌45 | 25°R21 | 18°R 5 | 4♊ 4 | 3♊36 | 12♏26 | 12♏15 | 2♒58 | 20♉51 | T 1 |
| F 2 | 15 10 44 | 19° 2'00 | 25°36 | 23°31 | 21°33 | 9♎22 | 28°48 | 25♐18 | 18♐ 3 | 4° 6 | 3°37 | 12°27 | 12°12 | 3° 5 | 20°56 | F 2 |
| S 3 | 15 14 41 | 19°59'43 | 8♈17 | 24°35 | 22°47 | 9°14 | 28°51 | 25°15 | 18° 1 | 4° 8 | 3°39 | 12°27 | 12° 9 | 3°12 | 21° 0 | S 3 |
| S 4 | 15 18 37 | 20°57'25 | 21°18 | 25°41 | 24° 1 | 9° 8 | 28°54 | 25°12 | 17°59 | 4°11 | 3°40 | 12°28 | 12° 6 | 3°18 | 21° 5 | S 4 |
| M 5 | 15 22 34 | 21°55'06 | 4♉40 | 26°51 | 25°14 | 9° 3 | 28°57 | 25° 8 | 17°57 | 4°13 | 3°41 | 12°28 | 12° 2 | 3°25 | 21° 9 | M 5 |
| T 6 | 15 26 30 | 22°52'45 | 18°22 | 28° 3 | 26°28 | 8°58 | 29° 0 | 25° 5 | 17°55 | 4°15 | 3°43 | 12°R28 | 11°59 | 3°32 | 21°14 | T 6 |
| W 7 | 15 30 27 | 23°50'24 | 2♊23 | 29°18 | 27°42 | 8°54 | 29° 4 | 25° 2 | 17°53 | 4°17 | 3°44 | 12°28 | 11°56 | 3°38 | 21°19 | W 7 |
| T 8 | 15 34 23 | 24°48'01 | 16°39 | 0♉35 | 28°56 | 8°51 | 29° 7 | 24°58 | 17°50 | 4°19 | 3°46 | 12°27 | 11°53 | 3°45 | 21°23 | T 8 |
| F 9 | 15 38 20 | 25°45'37 | 1♋ 4 | 1°55 | 0♊ 9 | 8°49 | 29°11 | 24°55 | 17°48 | 4°22 | 3°47 | 12°25 | 11°50 | 3°52 | 21°28 | F 9 |
| S 10 | 15 42 16 | 26°43'12 | 15°34 | 3°18 | 1°23 | 8°48 | 29°15 | 24°51 | 17°46 | 4°24 | 3°48 | 12°24 | 11°46 | 3°59 | 21°32 | S 10 |
| S 11 | 15 46 13 | 27°40'45 | 0♌ 3 | 4°44 | 2°37 | 8°D47 | 29°19 | 24°48 | 17°44 | 4°26 | 3°50 | 12°22 | 11°43 | 4° 5 | 21°37 | S 11 |
| M12 | 15 50 10 | 28°38'16 | 14°26 | 6°12 | 3°51 | 8°47 | 29°23 | 24°44 | 17°42 | 4°28 | 3°51 | 12°21 | 11°40 | 4°12 | 21°42 | M12 |
| T 13 | 15 54 6 | 29°35'46 | 28°40 | 7°42 | 5° 4 | 8°48 | 29°28 | 24°40 | 17°39 | 4°31 | 3°52 | 12°D21 | 11°37 | 4°19 | 21°46 | T 13 |
| W14 | 15 58 3 | 0♊33'15 | 12♍42 | 9°15 | 6°18 | 8°50 | 29°32 | 24°36 | 17°37 | 4°33 | 3°54 | 12°21 | 11°34 | 4°25 | 21°51 | W14 |
| T 15 | 16 1 59 | 1°30'43 | 26°31 | 10°51 | 7°32 | 8°53 | 29°37 | 24°32 | 17°35 | 4°35 | 3°55 | 12°22 | 11°31 | 4°32 | 21°55 | T 15 |
| F 16 | 16 5 56 | 2°28'09 | 10♎ 7 | 12°29 | 8°46 | 8°56 | 29°42 | 24°29 | 17°32 | 4°37 | 3°56 | 12°23 | 11°27 | 4°39 | 22° 0 | F 16 |
| S 17 | 16 9 52 | 3°25'33 | 23°30 | 14° 9 | 9°59 | 9° 0 | 29°47 | 24°25 | 17°30 | 4°40 | 3°58 | 12°25 | 11°24 | 4°46 | 22° 4 | S 17 |
| S 18 | 16 13 49 | 4°22'57 | 6♏40 | 15°52 | 11°13 | 9° 5 | 29°52 | 24°21 | 17°28 | 4°42 | 3°59 | 12°R25 | 11°21 | 4°52 | 22° 9 | S 18 |
| M19 | 16 17 45 | 5°20'20 | 19°36 | 17°37 | 12°27 | 9°10 | 29°58 | 24°17 | 17°25 | 4°44 | 4° 1 | 12°25 | 11°18 | 4°59 | 22°13 | M19 |
| T 20 | 16 21 42 | 6°17'42 | 2♐20 | 19°25 | 13°40 | 9°17 | 0♍ 3 | 24°13 | 17°23 | 4°46 | 4° 2 | 12°24 | 11°15 | 5° 6 | 22°18 | T 20 |
| W21 | 16 25 39 | 7°15'03 | 14°52 | 21°15 | 14°54 | 9°23 | 0° 9 | 24° 9 | 17°20 | 4°49 | 4° 3 | 12°22 | 11°12 | 5°13 | 22°22 | W21 |
| T 22 | 16 29 35 | 8°12'23 | 27°12 | 23° 8 | 16° 8 | 9°31 | 0°15 | 24° 4 | 17°18 | 4°51 | 4° 5 | 12°18 | 11° 8 | 5°19 | 22°27 | T 22 |
| F 23 | 16 33 32 | 9° 9'42 | 9♑23 | 25° 3 | 17°21 | 9°39 | 0°21 | 24° 0 | 17°16 | 4°53 | 4° 6 | 12°14 | 11° 5 | 5°26 | 22°31 | F 23 |
| S 24 | 16 37 28 | 10° 7'01 | 21°25 | 27° 0 | 18°35 | 9°48 | 0°27 | 23°56 | 17°13 | 4°55 | 4° 7 | 12° 9 | 11° 2 | 5°33 | 22°36 | S 24 |
| S 25 | 16 41 25 | 11° 4'19 | 3♒20 | 28°59 | 19°49 | 9°58 | 0°33 | 23°52 | 17°11 | 4°58 | 4° 9 | 12° 5 | 10°59 | 5°39 | 22°40 | S 25 |
| M26 | 16 45 21 | 12° 1'36 | 15°13 | 1♊ 1 | 21° 2 | 10° 8 | 0°39 | 23°48 | 17° 8 | 5° 0 | 4°10 | 12° 1 | 10°56 | 5°46 | 22°45 | M26 |
| T 27 | 16 49 18 | 12°58'54 | 27° 7 | 3° 4 | 22°16 | 10°19 | 0°46 | 23°43 | 17° 6 | 5° 2 | 4°12 | 11°59 | 10°52 | 5°53 | 22°49 | T 27 |
| W28 | 16 53 14 | 13°56'10 | 9♓ 5 | 5° 9 | 23°29 | 10°31 | 0°52 | 23°39 | 17° 3 | 5° 4 | 4°13 | 11°D57 | 10°49 | 6° 0 | 22°53 | W28 |
| T 29 | 16 57 11 | 14°53'26 | 21°13 | 7°16 | 24°43 | 10°43 | 0°59 | 23°35 | 17° 1 | 5° 6 | 4°14 | 11°58 | 10°46 | 6° 6 | 22°58 | T 29 |
| F 30 | 17 1 8 | 15°50'42 | 3♈35 | 9°24 | 25°57 | 10°56 | 1° 6 | 23°30 | 16°59 | 5° 9 | 4°16 | 11°59 | 10°43 | 6°13 | 23° 2 | F 30 |
| S 31 | 17 5 4 | 16♊47'58 | 16♈15 | 11♊34 | 27♊10 | 11♎ 9 | 1♍13 | 23♐26 | 16♐56 | 5♊11 | 4♊17 | 12♏ 0 | 10♏40 | 6♒20 | 23♉ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n16 | 2s25 | 4n33 | 5n45 | 3s17 | 17n28 | 0s26 | 2s56 | 0n55 | 13n 8 | 1n17 | 22s13 | 1n13 | 23s 3 | 0s 5 | 19n31 | 1s32 | 10n30 | 10s37 | 15s37 | 15s34 | 14s37 | 15n17 | 2s51 |
| F 2 | 17 32 | 1n47 | 3 51 | 6 7 | 3 17 | 17 50 | 0 24 | 2 55 | 0 52 | 13 7 | 1 16 | 22 13 | 1 13 | 23 3 | 0 5 | 19 31 | 1 32 | 10 30 | 10 37 | 15 37 | 15 33 | 14 35 | 15 18 | 2 51 |
| S 3 | 17 48 | 6 2 | 2 58 | 6 31 | 3 16 | 18 11 | 0 21 | 2 55 | 0 50 | 13 6 | 1 16 | 22 13 | 1 13 | 23 3 | 0 5 | 19 32 | 1 32 | 10 31 | 10 37 | 15 37 | 15 32 | 14 33 | 15 19 | 2 51 |
| S 4 | 18 3 | 10 6 | 1 55 | 6 56 | 3 15 | 18 32 | 0 19 | 2 55 | 0 47 | 13 5 | 1 16 | 22 13 | 1 13 | 23 3 | 0 5 | 19 32 | 1 32 | 10 31 | 10 37 | 15 38 | 15 31 | 14 32 | 15 20 | 2 51 |
| M 5 | 18 18 | 13 48 | 0 43 | 7 23 | 3 13 | 18 52 | 0 17 | 2 55 | 0 44 | 13 4 | 1 16 | 22 12 | 1 13 | 23 3 | 0 5 | 19 33 | 1 32 | 10 31 | 10 37 | 15 38 | 15 30 | 14 30 | 15 21 | 2 51 |
| T 6 | 18 33 | 16 50 | 0s33 | 7 51 | 3 11 | 19 12 | 0 14 | 2 56 | 0 42 | 13 2 | 1 16 | 22 12 | 1 13 | 23 3 | 0 5 | 19 33 | 1 32 | 10 32 | 10 37 | 15 38 | 15 29 | 14 28 | 15 22 | 2 51 |
| W 7 | 18 48 | 18 56 | 1 48 | 8 20 | 3 7 | 19 31 | 0 12 | 2 56 | 0 39 | 13 1 | 1 15 | 22 12 | 1 13 | 23 2 | 0 5 | 19 33 | 1 32 | 10 32 | 10 37 | 15 38 | 15 28 | 14 27 | 15 23 | 2 51 |
| T 8 | 19 2 | 19 53 | 2 58 | 8 51 | 3 4 | 19 50 | 0 10 | 2 58 | 0 37 | 12 59 | 1 15 | 22 12 | 1 13 | 23 2 | 0 5 | 19 34 | 1 32 | 10 32 | 10 37 | 15 37 | 15 27 | 14 25 | 15 25 | 2 51 |
| F 9 | 19 16 | 19 33 | 3 57 | 9 23 | 2 59 | 20 8 | 0 7 | 2 59 | 0 34 | 12 58 | 1 15 | 22 12 | 1 13 | 23 2 | 0 5 | 19 34 | 1 32 | 10 33 | 10 37 | 15 37 | 15 26 | 14 24 | 15 26 | 2 51 |
| S 10 | 19 29 | 17 56 | 4 42 | 9 56 | 2 54 | 20 25 | 0 5 | 3 1 | 0 32 | 12 56 | 1 15 | 22 12 | 1 13 | 23 2 | 0 5 | 19 35 | 1 32 | 10 33 | 10 37 | 15 36 | 15 25 | 14 22 | 15 27 | 2 52 |
| S 11 | 19 42 | 15 11 | 5 8 | 10 30 | 2 49 | 20 42 | 0 3 | 3 3 | 0 29 | 12 55 | 1 15 | 22 12 | 1 13 | 23 2 | 0 5 | 19 35 | 1 32 | 10 33 | 10 37 | 15 36 | 15 24 | 14 20 | 15 28 | 2 52 |
| M12 | 19 55 | 11 31 | 5 15 | 11 4 | 2 42 | 20 59 | 0 0 | 3 5 | 0 27 | 12 53 | 1 15 | 22 12 | 1 13 | 23 1 | 0 5 | 19 36 | 1 32 | 10 34 | 10 36 | 15 36 | 15 23 | 14 19 | 15 29 | 2 52 |
| T 13 | 20 8 | 7 14 | 5 3 | 11 40 | 2 36 | 21 15 | 0n 2 | 3 8 | 0 24 | 12 51 | 1 14 | 22 11 | 1 13 | 23 1 | 0 5 | 19 36 | 1 32 | 10 34 | 10 36 | 15 35 | 15 22 | 14 17 | 15 30 | 2 52 |
| W14 | 20 20 | 2 37 | 4 33 | 12 17 | 2 28 | 21 30 | 0 5 | 3 11 | 0 22 | 12 50 | 1 14 | 22 11 | 1 13 | 23 1 | 0 5 | 19 36 | 1 32 | 10 34 | 10 36 | 15 35 | 15 21 | 14 15 | 15 31 | 2 52 |
| T 15 | 20 32 | 2s 5 | 3 47 | 12 54 | 2 21 | 21 45 | 0 7 | 3 14 | 0 20 | 12 48 | 1 14 | 22 11 | 1 13 | 23 1 | 0 5 | 19 37 | 1 32 | 10 34 | 10 36 | 15 36 | 15 20 | 14 14 | 15 32 | 2 52 |
| F 16 | 20 43 | 6 36 | 2 49 | 13 31 | 2 13 | 21 59 | 0 9 | 3 17 | 0 17 | 12 46 | 1 14 | 22 11 | 1 13 | 23 1 | 0 5 | 19 37 | 1 32 | 10 35 | 10 36 | 15 36 | 15 19 | 14 12 | 15 33 | 2 52 |
| S 17 | 20 54 | 10 44 | 1 42 | 14 10 | 2 4 | 22 13 | 0 12 | 3 21 | 0 15 | 12 44 | 1 14 | 22 11 | 1 13 | 23 0 | 0 5 | 19 38 | 1 32 | 10 35 | 10 36 | 15 37 | 15 18 | 14 10 | 15 34 | 2 52 |
| S 18 | 21 5 | 14 17 | 0 32 | 14 48 | 1 55 | 22 26 | 0 14 | 3 25 | 0 13 | 12 42 | 1 14 | 22 11 | 1 13 | 23 0 | 0 5 | 19 38 | 1 32 | 10 35 | 10 36 | 15 37 | 15 17 | 14 9 | 15 35 | 2 52 |
| M19 | 21 16 | 17 3 | 0n39 | 15 27 | 1 46 | 22 38 | 0 17 | 3 29 | 0 11 | 12 40 | 1 13 | 22 11 | 1 13 | 23 0 | 0 5 | 19 38 | 1 32 | 10 36 | 10 36 | 15 37 | 15 16 | 14 7 | 15 36 | 2 53 |
| T 20 | 21 26 | 18 56 | 1 47 | 16 6 | 1 36 | 22 50 | 0 19 | 3 33 | 0 9 | 12 38 | 1 13 | 22 10 | 1 13 | 23 0 | 0 5 | 19 39 | 1 32 | 10 36 | 10 36 | 15 36 | 15 15 | 14 5 | 15 37 | 2 53 |
| W21 | 21 35 | 19 51 | 2 49 | 16 45 | 1 26 | 23 1 | 0 21 | 3 38 | 0 6 | 12 36 | 1 13 | 22 10 | 1 13 | 23 0 | 0 5 | 19 39 | 1 32 | 10 36 | 10 36 | 15 36 | 15 14 | 14 3 | 15 38 | 2 53 |
| T 22 | 21 45 | 19 48 | 3 41 | 17 24 | 1 15 | 23 11 | 0 24 | 3 43 | 0 4 | 12 33 | 1 13 | 22 10 | 1 13 | 22 59 | 0 5 | 19 40 | 1 32 | 10 36 | 10 36 | 15 35 | 15 13 | 14 2 | 15 39 | 2 53 |
| F 23 | 21 54 | 18 49 | 4 23 | 18 2 | 1 5 | 23 21 | 0 26 | 3 48 | 0 2 | 12 31 | 1 13 | 22 10 | 1 13 | 22 59 | 0 5 | 19 40 | 1 32 | 10 37 | 10 36 | 15 33 | 15 12 | 14 0 | 15 40 | 2 53 |
| S 24 | 22 2 | 16 59 | 4 52 | 18 40 | 0 54 | 23 30 | 0 28 | 3 54 | 0 0 | 12 29 | 1 13 | 22 10 | 1 13 | 22 59 | 0 5 | 19 40 | 1 32 | 10 37 | 10 36 | 15 32 | 15 11 | 13 58 | 15 41 | 2 53 |
| S 25 | 22 10 | 14 28 | 5 9 | 19 18 | 0 43 | 23 38 | 0 31 | 3 59 | 0s 2 | 12 26 | 1 12 | 22 10 | 1 13 | 22 59 | 0 5 | 19 41 | 1 32 | 10 37 | 10 36 | 15 31 | 15 10 | 13 57 | 15 42 | 2 53 |
| M26 | 22 18 | 11 21 | 5 12 | 19 54 | 0 32 | 23 46 | 0 33 | 4 5 | 0 4 | 12 24 | 1 12 | 22 10 | 1 13 | 22 58 | 0 5 | 19 41 | 1 32 | 10 37 | 10 36 | 15 29 | 15 9 | 13 55 | 15 43 | 2 54 |
| T 27 | 22 26 | 7 47 | 5 2 | 20 30 | 0 21 | 23 52 | 0 35 | 4 11 | 0 6 | 12 22 | 1 12 | 22 9 | 1 13 | 22 58 | 0 5 | 19 42 | 1 32 | 10 38 | 10 36 | 15 29 | 15 8 | 13 53 | 15 44 | 2 54 |
| W28 | 22 33 | 3 53 | 4 38 | 21 4 | 0 10 | 23 59 | 0 37 | 4 18 | 0 8 | 12 19 | 1 12 | 22 9 | 1 13 | 22 58 | 0 5 | 19 42 | 1 32 | 10 38 | 10 36 | 15 28 | 15 7 | 13 52 | 15 45 | 2 54 |
| T 29 | 22 39 | 0n13 | 4 2 | 21 37 | 0n 1 | 24 4 | 0 40 | 4 24 | 0 10 | 12 17 | 1 12 | 22 9 | 1 12 | 22 58 | 0 5 | 19 42 | 1 32 | 10 38 | 10 36 | 15 28 | 15 6 | 13 50 | 15 46 | 2 54 |
| F 30 | 22 46 | 4 24 | 3 14 | 22 8 | 0 12 | 24 9 | 0 42 | 4 31 | 0 11 | 12 14 | 1 12 | 22 9 | 1 12 | 22 58 | 0 5 | 19 43 | 1 32 | 10 38 | 10 36 | 15 29 | 15 5 | 13 48 | 15 47 | 2 54 |
| S 31 | 22n51 | 8n30 | 2n16 | 22n37 | 0n22 | 24n13 | 0n44 | 4s38 | 0s13 | 12n11 | 1n11 | 22s 9 | 1n12 | 22s57 | 0s 5 | 19n43 | 1s32 | 10n39 | 10s36 | 15s29 | 15s 4 | 13s47 | 15n48 | 2s54 |

Julian Day Number = 2232162.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'55, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'40, Lahiri = 15°28'41 Julian Calendar 1 May 1399 == Greg. Calendar 9 May 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## JUNE 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 9 1 | 17♊45'13 | 29♈18 | 13♊44 | 28♊24 | 11♎23 | 1♍20 | 23°R22 | 16°R54 | 5♊13 | 4♊18 | 12♏ 2 | 10♏37 | 6♒26 | 23♉11 | S 1 |
| M 2 | 17 12 57 | 18°42'28 | 12♉46 | 15°55 | 29°37 | 11°38 | 1°28 | 23♐17 | 16♐51 | 5°15 | 4°20 | 12°R 2 | 10°33 | 6°33 | 23°15 | M 2 |
| T 3 | 17 16 54 | 19°39'43 | 26°40 | 18° 7 | 0♋51 | 11°53 | 1°35 | 23°13 | 16°49 | 5°17 | 4°21 | 12° 1 | 10°30 | 6°40 | 23°19 | T 3 |
| W 4 | 17 20 50 | 20°36'58 | 10♊58 | 20°19 | 2° 5 | 12° 9 | 1°43 | 23° 8 | 16°46 | 5°20 | 4°22 | 11°59 | 10°27 | 6°47 | 23°24 | W 4 |
| T 5 | 17 24 47 | 21°34'12 | 25°35 | 22°30 | 3°18 | 12°25 | 1°50 | 23° 4 | 16°44 | 5°22 | 4°24 | 11°54 | 10°24 | 6°53 | 23°28 | T 5 |
| F 6 | 17 28 44 | 22°31'26 | 10♋26 | 24°41 | 4°32 | 12°42 | 1°58 | 23° 0 | 16°41 | 5°24 | 4°25 | 11°49 | 10°21 | 7° 0 | 23°32 | F 6 |
| S 7 | 17 32 40 | 23°28'40 | 25°22 | 26°52 | 5°45 | 12°59 | 2° 6 | 22°55 | 16°39 | 5°26 | 4°26 | 11°43 | 10°18 | 7° 7 | 23°36 | S 7 |
| S 8 | 17 36 37 | 24°25'52 | 10♌14 | 29° 1 | 6°59 | 13°17 | 2°14 | 22°51 | 16°37 | 5°28 | 4°28 | 11°37 | 10°14 | 7°14 | 23°40 | S 8 |
| M 9 | 17 40 33 | 25°23'05 | 24°54 | 1♋ 9 | 8°13 | 13°35 | 2°22 | 22°46 | 16°34 | 5°30 | 4°29 | 11°32 | 10°11 | 7°20 | 23°45 | M 9 |
| T 10 | 17 44 30 | 26°20'17 | 9♍18 | 3°16 | 9°26 | 13°54 | 2°30 | 22°42 | 16°32 | 5°33 | 4°30 | 11°29 | 10° 8 | 7°27 | 23°49 | T 10 |
| W11 | 17 48 26 | 27°17'28 | 23°22 | 5°22 | 10°40 | 14°13 | 2°39 | 22°38 | 16°29 | 5°35 | 4°32 | 11°D28 | 10° 5 | 7°34 | 23°53 | W11 |
| T 12 | 17 52 23 | 28°14'39 | 7♎ 5 | 7°26 | 11°53 | 14°33 | 2°47 | 22°33 | 16°27 | 5°37 | 4°33 | 11°28 | 10° 2 | 7°40 | 23°57 | T 12 |
| F 13 | 17 56 19 | 29°11'49 | 20°28 | 9°28 | 13° 7 | 14°54 | 2°56 | 22°29 | 16°25 | 5°39 | 4°34 | 11°29 | 9°58 | 7°47 | 24° 1 | F 13 |
| S 14 | 18 0 16 | 0♋ 8'59 | 3♏34 | 11°29 | 14°20 | 15°14 | 3° 5 | 22°25 | 16°22 | 5°41 | 4°35 | 11°30 | 9°55 | 7°54 | 24° 5 | S 14 |
| S 15 | 18 4 13 | 1° 6'09 | 16°24 | 13°28 | 15°34 | 15°36 | 3°13 | 22°20 | 16°20 | 5°43 | 4°37 | 11°R31 | 9°52 | 8° 1 | 24° 9 | S 15 |
| M16 | 18 8 9 | 2° 3'18 | 29° 1 | 15°24 | 16°47 | 15°57 | 3°22 | 22°16 | 16°18 | 5°45 | 4°38 | 11°29 | 9°49 | 8° 7 | 24°13 | M16 |
| T 17 | 18 12 6 | 3° 0'27 | 11♐28 | 17°19 | 18° 1 | 16°19 | 3°31 | 22°12 | 16°15 | 5°47 | 4°39 | 11°25 | 9°46 | 8°14 | 24°16 | T 17 |
| W18 | 18 16 2 | 3°57'37 | 23°45 | 19°12 | 19°14 | 16°42 | 3°40 | 22° 7 | 16°13 | 5°49 | 4°40 | 11°19 | 9°43 | 8°21 | 24°20 | W18 |
| T 19 | 18 19 59 | 4°54'46 | 5♑54 | 21° 3 | 20°28 | 17° 5 | 3°50 | 22° 3 | 16°11 | 5°51 | 4°42 | 11°11 | 9°39 | 8°28 | 24°24 | T 19 |
| F 20 | 18 23 55 | 5°51'55 | 17°57 | 22°52 | 21°41 | 17°28 | 3°59 | 21°59 | 16° 8 | 5°53 | 4°43 | 11° 2 | 9°36 | 8°34 | 24°28 | F 20 |
| S 21 | 18 27 52 | 6°49'05 | 29°54 | 24°39 | 22°55 | 17°52 | 4° 8 | 21°55 | 16° 6 | 5°55 | 4°44 | 10°51 | 9°33 | 8°41 | 24°32 | S 21 |
| S 22 | 18 31 48 | 7°46'15 | 11♒48 | 26°24 | 24° 8 | 18°16 | 4°18 | 21°50 | 16° 4 | 5°57 | 4°45 | 10°41 | 9°30 | 8°48 | 24°35 | S 22 |
| M23 | 18 35 45 | 8°43'25 | 23°40 | 28° 6 | 25°22 | 18°40 | 4°28 | 21°46 | 16° 2 | 5°59 | 4°46 | 10°32 | 9°27 | 8°54 | 24°39 | M23 |
| T 24 | 18 39 42 | 9°40'35 | 5♓33 | 29°47 | 26°35 | 19° 5 | 4°37 | 21°42 | 16° 0 | 6° 1 | 4°48 | 10°25 | 9°24 | 9° 1 | 24°43 | T 24 |
| W25 | 18 43 38 | 10°37'46 | 17°30 | 1♌26 | 27°48 | 19°31 | 4°47 | 21°38 | 15°57 | 6° 3 | 4°49 | 10°20 | 9°20 | 9° 8 | 24°46 | W25 |
| T 26 | 18 47 35 | 11°34'57 | 29°36 | 3° 3 | 29° 2 | 19°56 | 4°57 | 21°34 | 15°55 | 6° 5 | 4°50 | 10°17 | 9°17 | 9°15 | 24°50 | T 26 |
| F 27 | 18 51 31 | 12°32'09 | 11♈55 | 4°38 | 0♌15 | 20°22 | 5° 7 | 21°30 | 15°53 | 6° 7 | 4°51 | 10°D17 | 9°14 | 9°21 | 24°53 | F 27 |
| S 28 | 18 55 28 | 13°29'22 | 24°32 | 6°10 | 1°29 | 20°48 | 5°17 | 21°26 | 15°51 | 6° 9 | 4°52 | 10°17 | 9°11 | 9°28 | 24°57 | S 28 |
| S 29 | 18 59 24 | 14°26'35 | 7♉31 | 7°41 | 2°42 | 21°15 | 5°27 | 21°22 | 15°49 | 6°11 | 4°53 | 10°R17 | 9° 8 | 9°35 | 25° 0 | S 29 |
| M30 | 19 3 21 | 15♋23'49 | 20♉57 | 9♌10 | 3♌56 | 21♎42 | 5♍37 | 21♐19 | 15♐47 | 6♊12 | 4♊54 | 10♏17 | 9♏ 4 | 9♒41 | 25♉ 3 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 12n20 | 1n 9 | 23n 4 | 0n32 | 24n16 | 0n46 | 4s45 | 0s15 | 12n 9 | 1n11 | 22s 9 | 1n12 | 22s57 | 0s 5 | 19n44 | 1s32 | 10n39 | 10s36 | 15s30 | 15s 3 | 13s45 | 15n49 | 2s55 |
| M 2 | 23 2 | 15 39 | 0s 4 | 23 28 | 0 42 | 24 19 | 0 48 | 4 52 | 0 17 | 12 6 | 1 11 | 22 9 | 1 12 | 22 57 | 0 5 | 19 44 | 1 32 | 10 39 | 10 36 | 15 30 | 15 2 | 13 43 | 15 50 | 2 55 |
| T 3 | 23 7 | 18 12 | 1 19 | 23 50 | 0 52 | 24 21 | 0 50 | 5 0 | 0 19 | 12 3 | 1 11 | 22 8 | 1 12 | 22 57 | 0 5 | 19 44 | 1 32 | 10 39 | 10 36 | 15 29 | 15 1 | 13 42 | 15 50 | 2 55 |
| W 4 | 23 11 | 19 40 | 2 31 | 24 10 | 1 0 | 24 22 | 0 52 | 5 8 | 0 20 | 12 0 | 1 11 | 22 8 | 1 12 | 22 56 | 0 5 | 19 45 | 1 32 | 10 39 | 10 36 | 15 29 | 15 0 | 13 40 | 15 51 | 2 55 |
| T 5 | 23 15 | 19 52 | 3 34 | 24 27 | 1 9 | 24 23 | 0 54 | 5 15 | 0 22 | 11 57 | 1 11 | 22 8 | 1 12 | 22 56 | 0 5 | 19 45 | 1 32 | 10 40 | 10 36 | 15 27 | 14 59 | 13 38 | 15 52 | 2 55 |
| F 6 | 23 18 | 18 43 | 4 24 | 24 41 | 1 16 | 24 23 | 0 56 | 5 24 | 0 24 | 11 54 | 1 11 | 22 8 | 1 12 | 22 56 | 0 5 | 19 46 | 1 32 | 10 40 | 10 36 | 15 26 | 14 58 | 13 36 | 15 53 | 2 55 |
| S 7 | 23 21 | 16 16 | 4 57 | 24 52 | 1 23 | 24 22 | 0 58 | 5 32 | 0 25 | 11 51 | 1 10 | 22 8 | 1 12 | 22 56 | 0 5 | 19 46 | 1 32 | 10 40 | 10 36 | 15 24 | 14 57 | 13 35 | 15 54 | 2 56 |
| S 8 | 23 24 | 12 46 | 5 9 | 25 0 | 1 30 | 24 20 | 1 0 | 5 40 | 0 27 | 11 48 | 1 10 | 22 8 | 1 12 | 22 55 | 0 5 | 19 46 | 1 32 | 10 40 | 10 36 | 15 22 | 14 56 | 13 33 | 15 55 | 2 56 |
| M 9 | 23 26 | 8 32 | 5 1 | 25 6 | 1 35 | 24 17 | 1 2 | 5 49 | 0 29 | 11 45 | 1 10 | 22 7 | 1 12 | 22 55 | 0 5 | 19 47 | 1 32 | 10 40 | 10 36 | 15 21 | 14 55 | 13 31 | 15 56 | 2 56 |
| T 10 | 23 28 | 3 53 | 4 34 | 25 9 | 1 40 | 24 14 | 1 4 | 5 58 | 0 30 | 11 42 | 1 10 | 22 7 | 1 12 | 22 55 | 0 5 | 19 47 | 1 32 | 10 41 | 10 36 | 15 20 | 14 54 | 13 30 | 15 56 | 2 56 |
| W11 | 23 29 | 0s53 | 3 50 | 25 9 | 1 45 | 24 11 | 1 6 | 6 7 | 0 32 | 11 39 | 1 10 | 22 7 | 1 11 | 22 55 | 0 5 | 19 47 | 1 32 | 10 41 | 10 36 | 15 19 | 14 53 | 13 28 | 15 57 | 2 56 |
| T 12 | 23 30 | 5 30 | 2 55 | 25 6 | 1 48 | 24 6 | 1 7 | 6 16 | 0 33 | 11 36 | 1 10 | 22 7 | 1 11 | 22 54 | 0 5 | 19 48 | 1 32 | 10 41 | 10 36 | 15 19 | 14 52 | 13 26 | 15 58 | 2 57 |
| F 13 | 23 31 | 9 44 | 1 51 | 25 1 | 1 51 | 24 1 | 1 9 | 6 25 | 0 35 | 11 33 | 1 10 | 22 7 | 1 11 | 22 54 | 0 5 | 19 48 | 1 32 | 10 41 | 10 36 | 15 20 | 14 51 | 13 24 | 15 59 | 2 57 |
| S 14 | 23 31 | 13 25 | 0 43 | 24 53 | 1 53 | 23 55 | 1 11 | 6 34 | 0 36 | 11 29 | 1 10 | 22 7 | 1 11 | 22 54 | 0 5 | 19 48 | 1 32 | 10 41 | 10 36 | 15 20 | 14 50 | 13 23 | 15 59 | 2 57 |
| S 15 | 23 31 | 16 22 | 0n26 | 24 43 | 1 54 | 23 48 | 1 12 | 6 44 | 0 38 | 11 26 | 1 9 | 22 7 | 1 11 | 22 54 | 0 5 | 19 49 | 1 32 | 10 41 | 10 37 | 15 20 | 14 49 | 13 21 | 16 0 | 2 57 |
| M16 | 23 30 | 18 30 | 1 33 | 24 31 | 1 55 | 23 41 | 1 14 | 6 54 | 0 39 | 11 23 | 1 9 | 22 6 | 1 11 | 22 54 | 0 5 | 19 49 | 1 32 | 10 42 | 10 37 | 15 20 | 14 48 | 13 19 | 16 1 | 2 57 |
| T 17 | 23 29 | 19 41 | 2 34 | 24 17 | 1 54 | 23 33 | 1 15 | 7 4 | 0 40 | 11 19 | 1 9 | 22 6 | 1 11 | 22 53 | 0 5 | 19 49 | 1 32 | 10 42 | 10 37 | 15 18 | 14 47 | 13 18 | 16 2 | 2 58 |
| W18 | 23 27 | 19 56 | 3 27 | 24 1 | 1 54 | 23 24 | 1 17 | 7 13 | 0 42 | 11 16 | 1 9 | 22 6 | 1 11 | 22 53 | 0 5 | 19 50 | 1 32 | 10 42 | 10 37 | 15 16 | 14 46 | 13 16 | 16 2 | 2 58 |
| T 19 | 23 25 | 19 14 | 4 9 | 23 42 | 1 52 | 23 14 | 1 18 | 7 24 | 0 43 | 11 12 | 1 9 | 22 6 | 1 11 | 22 53 | 0 5 | 19 50 | 1 32 | 10 42 | 10 37 | 15 14 | 14 45 | 13 14 | 16 3 | 2 58 |
| F 20 | 23 23 | 17 40 | 4 41 | 23 23 | 1 50 | 23 4 | 1 19 | 7 34 | 0 44 | 11 9 | 1 9 | 22 6 | 1 11 | 22 53 | 0 5 | 19 50 | 1 32 | 10 42 | 10 37 | 15 11 | 14 44 | 13 12 | 16 4 | 2 58 |
| S 21 | 23 20 | 15 22 | 4 59 | 23 1 | 1 47 | 22 53 | 1 21 | 7 44 | 0 46 | 11 5 | 1 9 | 22 6 | 1 10 | 22 52 | 0 5 | 19 51 | 1 32 | 10 42 | 10 37 | 15 8 | 14 43 | 13 11 | 16 5 | 2 59 |
| S 22 | 23 17 | 12 26 | 5 4 | 22 39 | 1 44 | 22 42 | 1 22 | 7 54 | 0 47 | 11 2 | 1 9 | 22 6 | 1 10 | 22 52 | 0 5 | 19 51 | 1 32 | 10 42 | 10 37 | 15 5 | 14 42 | 13 9 | 16 5 | 2 59 |
| M23 | 23 14 | 9 0 | 4 57 | 22 14 | 1 40 | 22 30 | 1 23 | 8 5 | 0 48 | 10 58 | 1 8 | 22 5 | 1 10 | 22 52 | 0 5 | 19 51 | 1 32 | 10 42 | 10 37 | 15 2 | 14 41 | 13 7 | 16 6 | 2 59 |
| T 24 | 23 10 | 5 14 | 4 36 | 21 49 | 1 36 | 22 17 | 1 24 | 8 16 | 0 49 | 10 54 | 1 8 | 22 5 | 1 10 | 22 52 | 0 5 | 19 52 | 1 32 | 10 43 | 10 37 | 14 59 | 14 40 | 13 5 | 16 6 | 2 59 |
| W25 | 23 5 | 1 13 | 4 3 | 21 23 | 1 31 | 22 3 | 1 25 | 8 26 | 0 51 | 10 51 | 1 8 | 22 5 | 1 10 | 22 52 | 0 5 | 19 52 | 1 32 | 10 43 | 10 37 | 14 58 | 14 39 | 13 4 | 16 7 | 2 59 |
| T 26 | 23 1 | 2n53 | 3 19 | 20 55 | 1 25 | 21 49 | 1 26 | 8 37 | 0 52 | 10 47 | 1 8 | 22 5 | 1 10 | 22 51 | 0 5 | 19 52 | 1 33 | 10 43 | 10 37 | 14 57 | 14 38 | 13 2 | 16 8 | 3 0 |
| F 27 | 22 55 | 6 57 | 2 25 | 20 27 | 1 19 | 21 35 | 1 27 | 8 48 | 0 53 | 10 43 | 1 8 | 22 5 | 1 10 | 22 51 | 0 5 | 19 53 | 1 33 | 10 43 | 10 37 | 14 57 | 14 37 | 13 0 | 16 8 | 3 0 |
| S 28 | 22 50 | 10 49 | 1 23 | 19 58 | 1 13 | 21 19 | 1 28 | 8 59 | 0 54 | 10 39 | 1 8 | 22 5 | 1 10 | 22 51 | 0 5 | 19 53 | 1 33 | 10 43 | 10 38 | 14 57 | 14 36 | 12 59 | 16 9 | 3 0 |
| S 29 | 22 44 | 14 18 | 0 15 | 19 28 | 1 6 | 21 3 | 1 29 | 9 10 | 0 55 | 10 35 | 1 8 | 22 5 | 1 10 | 22 51 | 0 5 | 19 53 | 1 33 | 10 43 | 10 38 | 14 57 | 14 35 | 12 57 | 16 10 | 3 0 |
| M30 | 22n37 | 17n 9 | 0s57 | 18n58 | 0n58 | 20n47 | 1n29 | 9s21 | 0s57 | 10n32 | 1n 8 | 22s 4 | 1n 9 | 22s50 | 0s 5 | 19n54 | 1s33 | 10n43 | 10s38 | 14s57 | 14s34 | 12s55 | 16n10 | 3s 1 |

Julian Day Number = 2232193.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'55, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'44, Lahiri = 15°28'45 Julian Calendar 1 June 1399 == Greg. Calendar 9 June 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## JULY 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 7 17 | 16♋21'03 | 4♊51 | 10♌37 | 5♌ 9 | 22♎ 9 | 5♍48 | 21°R15 | 15°R45 | 6♊14 | 4♊55 | 10°R15 | 9♏ 1 | 9♒48 | 25♉ 7 | T 1 |
| W 2 | 19 11 14 | 17°18'19 | 19°14 | 12° 1 | 6°22 | 22°37 | 5°58 | 21♐11 | 15♐43 | 6°16 | 4°56 | 10♏10 | 8°58 | 9°55 | 25°10 | W 2 |
| T 3 | 19 15 11 | 18°15'35 | 4♋ 2 | 13°23 | 7°36 | 23° 5 | 6° 9 | 21° 7 | 15°41 | 6°18 | 4°57 | 10° 3 | 8°55 | 10° 2 | 25°13 | T 3 |
| F 4 | 19 19 7 | 19°12'52 | 19° 7 | 14°44 | 8°49 | 23°34 | 6°19 | 21° 4 | 15°39 | 6°20 | 4°59 | 9°54 | 8°52 | 10° 8 | 25°17 | F 4 |
| S 5 | 19 23 4 | 20°10'09 | 4♌21 | 16° 2 | 10° 3 | 24° 2 | 6°30 | 21° 0 | 15°37 | 6°21 | 5° 0 | 9°44 | 8°49 | 10°15 | 25°20 | S 5 |
| S 6 | 19 27 0 | 21° 7'27 | 19°33 | 17°18 | 11°16 | 24°31 | 6°41 | 20°57 | 15°35 | 6°23 | 5° 1 | 9°35 | 8°45 | 10°22 | 25°23 | S 6 |
| M 7 | 19 30 57 | 22° 4'45 | 4♍31 | 18°31 | 12°29 | 25° 0 | 6°51 | 20°53 | 15°34 | 6°25 | 5° 2 | 9°26 | 8°42 | 10°29 | 25°26 | M 7 |
| T 8 | 19 34 53 | 23° 2'03 | 19° 9 | 19°42 | 13°43 | 25°30 | 7° 2 | 20°50 | 15°32 | 6°26 | 5° 3 | 9°20 | 8°39 | 10°35 | 25°29 | T 8 |
| W 9 | 19 38 50 | 23°59'22 | 3♎21 | 20°51 | 14°56 | 26° 0 | 7°13 | 20°46 | 15°30 | 6°28 | 5° 4 | 9°17 | 8°36 | 10°42 | 25°32 | W 9 |
| T 10 | 19 42 46 | 24°56'42 | 17° 8 | 21°57 | 16° 9 | 26°30 | 7°24 | 20°43 | 15°28 | 6°30 | 5° 5 | 9°15 | 8°33 | 10°49 | 25°35 | T 10 |
| F 11 | 19 46 43 | 25°54'01 | 0♏28 | 23° 0 | 17°23 | 27° 0 | 7°35 | 20°40 | 15°27 | 6°31 | 5° 5 | 9°D15 | 8°30 | 10°55 | 25°38 | F 11 |
| S 12 | 19 50 40 | 26°51'22 | 13°27 | 24° 1 | 18°36 | 27°31 | 7°46 | 20°37 | 15°25 | 6°33 | 5° 6 | 9°R15 | 8°26 | 11° 2 | 25°40 | S 12 |
| S 13 | 19 54 36 | 27°48'43 | 26° 7 | 24°59 | 19°49 | 28° 2 | 7°58 | 20°34 | 15°23 | 6°34 | 5° 7 | 9°14 | 8°23 | 11° 9 | 25°43 | S 13 |
| M14 | 19 58 33 | 28°46'04 | 8♐33 | 25°54 | 21° 2 | 28°33 | 8° 9 | 20°31 | 15°22 | 6°36 | 5° 8 | 9°11 | 8°20 | 11°16 | 25°46 | M14 |
| T 15 | 20 2 29 | 29°43'27 | 20°47 | 26°46 | 22°16 | 29° 5 | 8°20 | 20°28 | 15°20 | 6°37 | 5° 9 | 9° 6 | 8°17 | 11°22 | 25°49 | T 15 |
| W16 | 20 6 26 | 0♌40'50 | 2♑53 | 27°34 | 23°29 | 29°36 | 8°32 | 20°25 | 15°19 | 6°39 | 5°10 | 8°57 | 8°14 | 11°29 | 25°51 | W16 |
| T 17 | 20 10 22 | 1°38'14 | 14°54 | 28°20 | 24°42 | 0♏ 8 | 8°43 | 20°22 | 15°17 | 6°40 | 5°11 | 8°46 | 8°10 | 11°36 | 25°54 | T 17 |
| F 18 | 20 14 19 | 2°35'38 | 26°50 | 29° 1 | 25°55 | 0°41 | 8°55 | 20°20 | 15°16 | 6°42 | 5°12 | 8°34 | 8° 7 | 11°43 | 25°56 | F 18 |
| S 19 | 20 18 15 | 3°33'04 | 8♒44 | 29°39 | 27° 9 | 1°13 | 9° 6 | 20°17 | 15°15 | 6°43 | 5°12 | 8°20 | 8° 4 | 11°49 | 25°59 | S 19 |
| S 20 | 20 22 12 | 4°30'31 | 20°36 | 0♍13 | 28°22 | 1°46 | 9°18 | 20°14 | 15°13 | 6°45 | 5°13 | 8° 6 | 8° 1 | 11°56 | 26° 1 | S 20 |
| M21 | 20 26 9 | 5°27'58 | 2♓29 | 0°43 | 29°35 | 2°19 | 9°30 | 20°12 | 15°12 | 6°46 | 5°14 | 7°54 | 7°58 | 12° 3 | 26° 3 | M21 |
| T 22 | 20 30 5 | 6°25'27 | 14°24 | 1° 9 | 0♍48 | 2°52 | 9°41 | 20°10 | 15°11 | 6°47 | 5°15 | 7°44 | 7°55 | 12° 9 | 26° 6 | T 22 |
| W23 | 20 34 2 | 7°22'57 | 26°24 | 1°30 | 2° 1 | 3°25 | 9°53 | 20° 7 | 15°10 | 6°49 | 5°15 | 7°36 | 7°51 | 12°16 | 26° 8 | W23 |
| T 24 | 20 37 58 | 8°20'29 | 8♈31 | 1°46 | 3°14 | 3°59 | 10° 5 | 20° 5 | 15° 8 | 6°50 | 5°16 | 7°32 | 7°48 | 12°23 | 26°10 | T 24 |
| F 25 | 20 41 55 | 9°18'02 | 20°50 | 1°58 | 4°27 | 4°33 | 10°17 | 20° 3 | 15° 7 | 6°51 | 5°17 | 7°29 | 7°45 | 12°30 | 26°12 | F 25 |
| S 26 | 20 45 51 | 10°15'36 | 3♉25 | 2° 4 | 5°40 | 5° 7 | 10°29 | 20° 1 | 15° 6 | 6°52 | 5°18 | 7°29 | 7°42 | 12°36 | 26°14 | S 26 |
| S 27 | 20 49 48 | 11°13'12 | 16°20 | 2°R 5 | 6°53 | 5°41 | 10°41 | 19°59 | 15° 5 | 6°54 | 5°18 | 7°29 | 7°39 | 12°43 | 26°16 | S 27 |
| M28 | 20 53 44 | 12°10'50 | 29°40 | 2° 1 | 8° 6 | 6°16 | 10°53 | 19°57 | 15° 4 | 6°55 | 5°19 | 7°28 | 7°35 | 12°50 | 26°18 | M28 |
| T 29 | 20 57 41 | 13° 8'29 | 13♊27 | 1°51 | 9°19 | 6°50 | 11° 5 | 19°55 | 15° 3 | 6°56 | 5°20 | 7°26 | 7°32 | 12°57 | 26°20 | T 29 |
| W30 | 21 1 38 | 14° 6'10 | 27°44 | 1°35 | 10°33 | 7°25 | 11°17 | 19°54 | 15° 2 | 6°57 | 5°20 | 7°21 | 7°29 | 13° 3 | 26°22 | W30 |
| T 31 | 21 5 34 | 15♌ 3'52 | 12♋27 | 1♍14 | 11♍46 | 8♏ 0 | 11♍30 | 19♐52 | 15♐ 2 | 6♊58 | 5♊21 | 7♏13 | 7♏26 | 13♒10 | 26♉23 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n31 | 19n 6 | 2s 7 | 18n27 | 0n51 | 20n30 | 1n30 | 9s33 | 0s58 | 10n28 | 1n 8 | 22s 4 | 1n 9 | 22s50 | 0s 5 | 19n54 | 1s33 | 10n43 | 10s38 | 14s56 | 14s33 | 12s53 | 16n11 | 3s 1 |
| W 2 | 22 23 | 19 54 | 3 11 | 17 55 | 0 42 | 20 12 | 1 31 | 9 44 | 0 59 | 10 24 | 1 7 | 22 4 | 1 9 | 22 50 | 0 5 | 19 54 | 1 33 | 10 43 | 10 38 | 14 55 | 14 32 | 12 52 | 16 11 | 3 1 |
| T 3 | 22 16 | 19 22 | 4 5 | 17 24 | 0 34 | 19 54 | 1 31 | 9 56 | 1 0 | 10 20 | 1 7 | 22 4 | 1 9 | 22 50 | 0 5 | 19 54 | 1 33 | 10 43 | 10 38 | 14 53 | 14 31 | 12 50 | 16 12 | 3 1 |
| F 4 | 22 8 | 17 29 | 4 43 | 16 52 | 0 25 | 19 35 | 1 32 | 10 7 | 1 1 | 10 16 | 1 7 | 22 4 | 1 9 | 22 50 | 0 5 | 19 55 | 1 33 | 10 43 | 10 38 | 14 50 | 14 30 | 12 48 | 16 12 | 3 2 |
| S 5 | 22 0 | 14 22 | 5 1 | 16 20 | 0 16 | 19 16 | 1 32 | 10 19 | 1 2 | 10 12 | 1 7 | 22 4 | 1 9 | 22 49 | 0 5 | 19 55 | 1 33 | 10 43 | 10 38 | 14 47 | 14 29 | 12 46 | 16 13 | 3 2 |
| S 6 | 21 51 | 10 18 | 4 58 | 15 48 | 0 6 | 18 56 | 1 32 | 10 30 | 1 3 | 10 8 | 1 7 | 22 4 | 1 9 | 22 49 | 0 5 | 19 55 | 1 33 | 10 43 | 10 38 | 14 44 | 14 28 | 12 45 | 16 13 | 3 2 |
| M 7 | 21 42 | 5 38 | 4 34 | 15 16 | 0s 4 | 18 36 | 1 33 | 10 42 | 1 4 | 10 4 | 1 7 | 22 4 | 1 8 | 22 49 | 0 5 | 19 55 | 1 33 | 10 44 | 10 39 | 14 41 | 14 27 | 12 43 | 16 14 | 3 2 |
| T 8 | 21 33 | 0 44 | 3 53 | 14 44 | 0 14 | 18 15 | 1 33 | 10 54 | 1 5 | 9 59 | 1 7 | 22 4 | 1 8 | 22 49 | 0 5 | 19 56 | 1 33 | 10 44 | 10 39 | 14 39 | 14 26 | 12 41 | 16 14 | 3 3 |
| W 9 | 21 23 | 4s 4 | 2 58 | 14 12 | 0 25 | 17 53 | 1 33 | 11 6 | 1 6 | 9 55 | 1 7 | 22 4 | 1 8 | 22 49 | 0 5 | 19 56 | 1 33 | 10 44 | 10 39 | 14 38 | 14 25 | 12 39 | 16 15 | 3 3 |
| T 10 | 21 13 | 8 30 | 1 54 | 13 40 | 0 36 | 17 31 | 1 33 | 11 17 | 1 7 | 9 51 | 1 7 | 22 3 | 1 8 | 22 49 | 0 5 | 19 56 | 1 33 | 10 44 | 10 39 | 14 37 | 14 24 | 12 38 | 16 15 | 3 3 |
| F 11 | 21 2 | 12 24 | 0 46 | 13 9 | 0 47 | 17 9 | 1 33 | 11 29 | 1 8 | 9 47 | 1 7 | 22 3 | 1 8 | 22 48 | 0 5 | 19 56 | 1 33 | 10 44 | 10 39 | 14 37 | 14 23 | 12 36 | 16 15 | 3 4 |
| S 12 | 20 51 | 15 34 | 0n22 | 12 39 | 0 58 | 16 46 | 1 33 | 11 41 | 1 9 | 9 43 | 1 7 | 22 3 | 1 8 | 22 48 | 0 5 | 19 57 | 1 33 | 10 44 | 10 39 | 14 37 | 14 22 | 12 34 | 16 16 | 3 4 |
| S 13 | 20 40 | 17 55 | 1 28 | 12 8 | 1 10 | 16 23 | 1 33 | 11 53 | 1 9 | 9 38 | 1 7 | 22 3 | 1 8 | 22 48 | 0 5 | 19 57 | 1 33 | 10 44 | 10 39 | 14 37 | 14 21 | 12 32 | 16 16 | 3 4 |
| M14 | 20 28 | 19 21 | 2 28 | 11 39 | 1 21 | 15 59 | 1 32 | 12 5 | 1 10 | 9 34 | 1 6 | 22 3 | 1 7 | 22 48 | 0 5 | 19 57 | 1 33 | 10 44 | 10 40 | 14 36 | 14 20 | 12 31 | 16 16 | 3 4 |
| T 15 | 20 16 | 19 51 | 3 21 | 11 10 | 1 33 | 15 35 | 1 32 | 12 17 | 1 11 | 9 30 | 1 6 | 22 3 | 1 7 | 22 48 | 0 5 | 19 57 | 1 33 | 10 44 | 10 40 | 14 34 | 14 19 | 12 29 | 16 17 | 3 5 |
| W16 | 20 4 | 19 26 | 4 3 | 10 42 | 1 45 | 15 11 | 1 32 | 12 29 | 1 12 | 9 25 | 1 6 | 22 3 | 1 7 | 22 48 | 0 5 | 19 58 | 1 33 | 10 44 | 10 40 | 14 32 | 14 18 | 12 27 | 16 17 | 3 5 |
| T 17 | 19 52 | 18 8 | 4 35 | 10 16 | 1 57 | 14 46 | 1 31 | 12 42 | 1 13 | 9 21 | 1 6 | 22 3 | 1 7 | 22 47 | 0 5 | 19 58 | 1 33 | 10 44 | 10 40 | 14 28 | 14 17 | 12 25 | 16 17 | 3 5 |
| F 18 | 19 39 | 16 3 | 4 53 | 9 50 | 2 9 | 14 20 | 1 31 | 12 54 | 1 14 | 9 17 | 1 6 | 22 3 | 1 7 | 22 47 | 0 5 | 19 58 | 1 33 | 10 44 | 10 40 | 14 24 | 14 16 | 12 23 | 16 18 | 3 5 |
| S 19 | 19 25 | 13 19 | 5 0 | 9 25 | 2 22 | 13 55 | 1 30 | 13 6 | 1 14 | 9 12 | 1 6 | 22 3 | 1 7 | 22 47 | 0 5 | 19 58 | 1 33 | 10 44 | 10 40 | 14 20 | 14 15 | 12 22 | 16 18 | 3 6 |
| S 20 | 19 12 | 10 2 | 4 53 | 9 2 | 2 34 | 13 29 | 1 30 | 13 18 | 1 15 | 9 8 | 1 6 | 22 3 | 1 6 | 22 47 | 0 5 | 19 58 | 1 33 | 10 44 | 10 40 | 14 15 | 14 13 | 12 20 | 16 18 | 3 6 |
| M21 | 18 58 | 6 22 | 4 33 | 8 40 | 2 46 | 13 2 | 1 29 | 13 30 | 1 16 | 9 3 | 1 6 | 22 3 | 1 6 | 22 47 | 0 5 | 19 59 | 1 33 | 10 44 | 10 41 | 14 11 | 14 12 | 12 18 | 16 19 | 3 6 |
| T 22 | 18 44 | 2 27 | 4 1 | 8 20 | 2 58 | 12 36 | 1 28 | 13 42 | 1 17 | 8 59 | 1 6 | 22 3 | 1 6 | 22 47 | 0 5 | 19 59 | 1 33 | 10 44 | 10 41 | 14 8 | 14 11 | 12 16 | 16 19 | 3 7 |
| W23 | 18 29 | 1n36 | 3 19 | 8 1 | 3 9 | 12 9 | 1 27 | 13 55 | 1 18 | 8 54 | 1 6 | 22 3 | 1 6 | 22 47 | 0 5 | 19 59 | 1 33 | 10 44 | 10 41 | 14 5 | 14 10 | 12 15 | 16 19 | 3 7 |
| T 24 | 18 14 | 5 38 | 2 27 | 7 45 | 3 21 | 11 41 | 1 26 | 14 7 | 1 18 | 8 50 | 1 6 | 22 3 | 1 6 | 22 46 | 0 5 | 19 59 | 1 33 | 10 44 | 10 41 | 14 4 | 14 9 | 12 13 | 16 19 | 3 7 |
| F 25 | 17 59 | 9 30 | 1 27 | 7 30 | 3 32 | 11 14 | 1 25 | 14 19 | 1 19 | 8 45 | 1 6 | 22 3 | 1 6 | 22 46 | 0 5 | 19 59 | 1 33 | 10 43 | 10 41 | 14 3 | 14 8 | 12 11 | 16 19 | 3 8 |
| S 26 | 17 44 | 13 2 | 0 22 | 7 18 | 3 43 | 10 46 | 1 24 | 14 31 | 1 20 | 8 40 | 1 6 | 22 3 | 1 6 | 22 46 | 0 5 | 19 59 | 1 34 | 10 43 | 10 41 | 14 3 | 14 7 | 12 9 | 16 20 | 3 8 |
| S 27 | 17 28 | 16 2 | 0s47 | 7 8 | 3 53 | 10 17 | 1 23 | 14 43 | 1 20 | 8 36 | 1 6 | 22 3 | 1 5 | 22 46 | 0 5 | 20 0 | 1 34 | 10 43 | 10 42 | 14 3 | 14 6 | 12 8 | 16 20 | 3 8 |
| M28 | 17 12 | 18 17 | 1 54 | 7 1 | 4 3 | 9 49 | 1 21 | 14 55 | 1 21 | 8 31 | 1 6 | 22 3 | 1 5 | 22 46 | 0 5 | 20 0 | 1 34 | 10 43 | 10 42 | 14 3 | 14 5 | 12 6 | 16 20 | 3 8 |
| T 29 | 16 56 | 19 33 | 2 58 | 6 56 | 4 11 | 9 20 | 1 20 | 15 8 | 1 22 | 8 26 | 1 6 | 22 3 | 1 5 | 22 46 | 0 5 | 20 0 | 1 34 | 10 43 | 10 42 | 14 2 | 14 4 | 12 4 | 16 20 | 3 9 |
| W30 | 16 39 | 19 37 | 3 52 | 6 54 | 4 19 | 8 51 | 1 19 | 15 20 | 1 22 | 8 22 | 1 6 | 22 3 | 1 5 | 22 46 | 0 5 | 20 0 | 1 34 | 10 43 | 10 42 | 14 0 | 14 3 | 12 2 | 16 20 | 3 9 |
| T 31 | 16n22 | 18n23 | 4s33 | 6n55 | 4s26 | 8n22 | 1n17 | 15s32 | 1s23 | 8n17 | 1n 5 | 22s 3 | 1n 5 | 22s46 | 0s 5 | 20n 0 | 1s34 | 10n43 | 10s42 | 13s58 | 14s 2 | 12s 0 | 16n20 | 3s 9 |

Julian Day Number = 2232223.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'54, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'49, Lahiri = 15°28'49 Julian Calendar 1 July 1399 == Greg. Calendar 9 July 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## AUGUST 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 9 31 | 16♌ 1'36 | 27♋32 | 0°R48 | 12♍59 | 8♏36 | 11♍42 | 19°R50 | 15°R 1 | 6♊59 | 5♊21 | 7°R 4 | 7♏23 | 13♒17 | 26♉25 | F 1 |
| S 2 | 21 13 27 | 16°59'21 | 12♌49 | 0♍16 | 14°11 | 9°11 | 11°54 | 19♐49 | 15♐ 0 | 7° 0 | 5°22 | 6♏53 | 7°20 | 13°23 | 26°27 | S 2 |
| S 3 | 21 17 24 | 17°57'08 | 28° 8 | 29♌39 | 15°24 | 9°47 | 12° 7 | 19°48 | 14°59 | 7° 1 | 5°22 | 6°43 | 7°16 | 13°30 | 26°28 | S 3 |
| M 4 | 21 21 20 | 18°54'55 | 13♍17 | 28°57 | 16°37 | 10°23 | 12°19 | 19°46 | 14°59 | 7° 2 | 5°23 | 6°34 | 7°13 | 13°37 | 26°30 | M 4 |
| T 5 | 21 25 17 | 19°52'45 | 28° 5 | 28°12 | 17°50 | 10°59 | 12°31 | 19°45 | 14°58 | 7° 3 | 5°23 | 6°27 | 7°10 | 13°44 | 26°31 | T 5 |
| W 6 | 21 29 13 | 20°50'35 | 12♎28 | 27°22 | 19° 3 | 11°35 | 12°44 | 19°44 | 14°58 | 7° 4 | 5°24 | 6°23 | 7° 7 | 13°50 | 26°32 | W 6 |
| T 7 | 21 33 10 | 21°48'27 | 26°22 | 26°31 | 20°16 | 12°12 | 12°56 | 19°43 | 14°57 | 7° 5 | 5°24 | 6°21 | 7° 4 | 13°57 | 26°34 | T 7 |
| F 8 | 21 37 7 | 22°46'20 | 9♏48 | 25°37 | 21°29 | 12°49 | 13° 9 | 19°42 | 14°57 | 7° 6 | 5°25 | 6°D21 | 7° 1 | 14° 4 | 26°35 | F 8 |
| S 9 | 21 41 3 | 23°44'14 | 22°48 | 24°42 | 22°42 | 13°25 | 13°21 | 19°42 | 14°56 | 7° 7 | 5°25 | 6°R21 | 6°57 | 14°10 | 26°36 | S 9 |
| S 10 | 21 45 0 | 24°42'10 | 5♐26 | 23°48 | 23°55 | 14° 2 | 13°34 | 19°41 | 14°56 | 7° 7 | 5°26 | 6°20 | 6°54 | 14°17 | 26°37 | S 10 |
| M11 | 21 48 56 | 25°40'07 | 17°48 | 22°56 | 25° 7 | 14°40 | 13°46 | 19°40 | 14°56 | 7° 8 | 5°26 | 6°18 | 6°51 | 14°24 | 26°38 | M11 |
| T 12 | 21 52 53 | 26°38'05 | 29°57 | 22° 6 | 26°20 | 15°17 | 13°59 | 19°40 | 14°55 | 7° 9 | 5°26 | 6°14 | 6°48 | 14°31 | 26°39 | T 12 |
| W13 | 21 56 49 | 27°36'05 | 11♑57 | 21°19 | 27°33 | 15°55 | 14°12 | 19°40 | 14°55 | 7° 9 | 5°27 | 6° 7 | 6°45 | 14°37 | 26°40 | W13 |
| T 14 | 22 0 46 | 28°34'06 | 23°52 | 20°38 | 28°45 | 16°32 | 14°24 | 19°39 | 14°55 | 7°10 | 5°27 | 5°57 | 6°41 | 14°44 | 26°41 | T 14 |
| F 15 | 22 4 42 | 29°32'09 | 5♒45 | 20° 2 | 29°58 | 17°10 | 14°37 | 19°39 | 14°55 | 7°11 | 5°27 | 5°46 | 6°38 | 14°51 | 26°42 | F 15 |
| S 16 | 22 8 39 | 0♍30'13 | 17°38 | 19°33 | 1♎11 | 17°48 | 14°50 | 19°39 | 14°D55 | 7°11 | 5°27 | 5°33 | 6°35 | 14°58 | 26°42 | S 16 |
| S 17 | 22 12 36 | 1°28'19 | 29°32 | 19°11 | 2°23 | 18°26 | 15° 3 | 19°D39 | 14°55 | 7°12 | 5°28 | 5°21 | 6°32 | 15° 4 | 26°43 | S 17 |
| M18 | 22 16 32 | 2°26'26 | 11♓29 | 18°57 | 3°36 | 19° 5 | 15°15 | 19°39 | 14°55 | 7°12 | 5°28 | 5°10 | 6°29 | 15°11 | 26°44 | M18 |
| T 19 | 22 20 29 | 3°24'36 | 23°30 | 18°D52 | 4°49 | 19°43 | 15°28 | 19°39 | 14°55 | 7°13 | 5°28 | 5° 2 | 6°26 | 15°18 | 26°44 | T 19 |
| W20 | 22 24 25 | 4°22'47 | 5♈37 | 18°55 | 6° 1 | 20°22 | 15°41 | 19°39 | 14°55 | 7°13 | 5°28 | 4°55 | 6°22 | 15°24 | 26°44 | W20 |
| T 21 | 22 28 22 | 5°21'00 | 17°52 | 19° 7 | 7°14 | 21° 1 | 15°54 | 19°40 | 14°56 | 7°14 | 5°28 | 4°51 | 6°19 | 15°31 | 26°45 | T 21 |
| F 22 | 22 32 18 | 6°19'15 | 0♉18 | 19°28 | 8°26 | 21°40 | 16° 7 | 19°40 | 14°56 | 7°14 | 5°29 | 4°D50 | 6°16 | 15°38 | 26°45 | F 22 |
| S 23 | 22 36 15 | 7°17'32 | 12°57 | 19°58 | 9°38 | 22°19 | 16°20 | 19°41 | 14°56 | 7°14 | 5°29 | 4°50 | 6°13 | 15°45 | 26°45 | S 23 |
| S 24 | 22 40 11 | 8°15'51 | 25°53 | 20°36 | 10°51 | 22°58 | 16°33 | 19°42 | 14°56 | 7°15 | 5°29 | 4°51 | 6°10 | 15°51 | 26°45 | S 24 |
| M25 | 22 44 8 | 9°14'13 | 9♊10 | 21°22 | 12° 3 | 23°37 | 16°46 | 19°42 | 14°57 | 7°15 | 5°29 | 4°R51 | 6° 7 | 15°58 | 26°46 | M25 |
| T 26 | 22 48 4 | 10°12'37 | 22°51 | 22°16 | 13°16 | 24°17 | 16°58 | 19°43 | 14°57 | 7°15 | 5°29 | 4°51 | 6° 3 | 16° 5 | 26°R46 | T 26 |
| W27 | 22 52 1 | 11°11'03 | 6♋56 | 23°18 | 14°28 | 24°56 | 17°11 | 19°44 | 14°58 | 7°16 | 5°29 | 4°48 | 6° 0 | 16°11 | 26°45 | W27 |
| T 28 | 22 55 58 | 12° 9'31 | 21°26 | 24°27 | 15°40 | 25°36 | 17°24 | 19°45 | 14°58 | 7°16 | 5°R29 | 4°43 | 5°57 | 16°18 | 26°45 | T 28 |
| F 29 | 22 59 54 | 13° 8'01 | 6♌16 | 25°42 | 16°53 | 26°16 | 17°37 | 19°46 | 14°59 | 7°16 | 5°29 | 4°37 | 5°54 | 16°25 | 26°45 | F 29 |
| S 30 | 23 3 51 | 14° 6'33 | 21°20 | 27° 3 | 18° 5 | 26°56 | 17°50 | 19°48 | 15° 0 | 7°16 | 5°29 | 4°29 | 5°51 | 16°32 | 26°45 | S 30 |
| S 31 | 23 7 47 | 15♍ 5'07 | 6♍29 | 28♌29 | 19♎17 | 27♏37 | 18♍ 3 | 19♐49 | 15♐ 0 | 7♊16 | 5♊29 | 4♏21 | 5♏47 | 16♒38 | 26♉45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n 5 | 15n52 | 4s57 | 6n59 | 4s32 | 7n52 | 1n16 | 15s44 | 1s24 | 8n12 | 1n 5 | 22s 3 | 1n 5 | 22s46 | 0s 5 | 20n 0 | 1s34 | 10n43 | 10s42 | 13s55 | 14s 1 | 11s59 | 16n20 | 3s10 |
| S 2 | 15 48 | 12 14 | 4 59 | 7 6 | 4 36 | 7 23 | 1 14 | 15 56 | 1 24 | 8 8 | 1 5 | 22 3 | 1 4 | 22 46 | 0 5 | 20 0 | 1 34 | 10 43 | 10 43 | 13 51 | 14 0 | 11 57 | 16 20 | 3 10 |
| S 3 | 15 30 | 7 46 | 4 40 | 7 16 | 4 39 | 6 53 | 1 12 | 16 8 | 1 25 | 8 3 | 1 5 | 22 3 | 1 4 | 22 45 | 0 5 | 20 1 | 1 34 | 10 43 | 10 43 | 13 48 | 13 59 | 11 55 | 16 20 | 3 10 |
| M 4 | 15 12 | 2 52 | 4 2 | 7 29 | 4 40 | 6 23 | 1 11 | 16 20 | 1 25 | 7 58 | 1 5 | 22 3 | 1 4 | 22 45 | 0 5 | 20 1 | 1 34 | 10 43 | 10 43 | 13 45 | 13 58 | 11 53 | 16 20 | 3 11 |
| T 5 | 14 54 | 2s 6 | 3 8 | 7 45 | 4 40 | 5 53 | 1 9 | 16 32 | 1 26 | 7 53 | 1 5 | 22 3 | 1 4 | 22 45 | 0 5 | 20 1 | 1 34 | 10 43 | 10 43 | 13 43 | 13 57 | 11 51 | 16 20 | 3 11 |
| W 6 | 14 36 | 6 50 | 2 3 | 8 4 | 4 38 | 5 22 | 1 7 | 16 44 | 1 26 | 7 48 | 1 5 | 22 4 | 1 4 | 22 45 | 0 5 | 20 1 | 1 34 | 10 43 | 10 43 | 13 41 | 13 56 | 11 50 | 16 20 | 3 11 |
| T 7 | 14 17 | 11 1 | 0 53 | 8 26 | 4 34 | 4 52 | 1 5 | 16 55 | 1 27 | 7 44 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 41 | 13 55 | 11 48 | 16 20 | 3 12 |
| F 8 | 13 58 | 14 30 | 0n18 | 8 49 | 4 28 | 4 21 | 1 3 | 17 7 | 1 28 | 7 39 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 41 | 13 54 | 11 46 | 16 20 | 3 12 |
| S 9 | 13 39 | 17 8 | 1 26 | 9 15 | 4 20 | 3 51 | 1 1 | 17 19 | 1 28 | 7 34 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 41 | 13 53 | 11 44 | 16 20 | 3 12 |
| S 10 | 13 20 | 18 51 | 2 28 | 9 42 | 4 10 | 3 20 | 0 59 | 17 31 | 1 29 | 7 29 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 41 | 13 52 | 11 43 | 16 20 | 3 13 |
| M11 | 13 0 | 19 37 | 3 21 | 10 10 | 3 58 | 2 49 | 0 57 | 17 42 | 1 29 | 7 24 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 40 | 13 51 | 11 41 | 16 20 | 3 13 |
| T 12 | 12 41 | 19 27 | 4 4 | 10 38 | 3 45 | 2 18 | 0 55 | 17 54 | 1 29 | 7 19 | 1 5 | 22 4 | 1 3 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 44 | 13 38 | 13 50 | 11 39 | 16 20 | 3 13 |
| W13 | 12 21 | 18 23 | 4 36 | 11 7 | 3 30 | 1 47 | 0 52 | 18 5 | 1 30 | 7 14 | 1 5 | 22 4 | 1 2 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 45 | 13 36 | 13 49 | 11 37 | 16 20 | 3 14 |
| T 14 | 12 1 | 16 33 | 4 56 | 11 35 | 3 15 | 1 15 | 0 50 | 18 17 | 1 30 | 7 9 | 1 5 | 22 5 | 1 2 | 22 45 | 0 6 | 20 1 | 1 34 | 10 42 | 10 45 | 13 33 | 13 48 | 11 35 | 16 20 | 3 14 |
| F 15 | 11 40 | 14 0 | 5 2 | 12 3 | 2 57 | 0 44 | 0 47 | 18 28 | 1 31 | 7 4 | 1 5 | 22 5 | 1 2 | 22 45 | 0 6 | 20 2 | 1 34 | 10 41 | 10 45 | 13 29 | 13 46 | 11 34 | 16 20 | 3 14 |
| S 16 | 11 20 | 10 54 | 4 56 | 12 29 | 2 40 | 0 13 | 0 45 | 18 39 | 1 31 | 7 0 | 1 5 | 22 5 | 1 2 | 22 45 | 0 6 | 20 2 | 1 34 | 10 41 | 10 45 | 13 25 | 13 45 | 11 32 | 16 20 | 3 15 |
| S 17 | 10 59 | 7 22 | 4 36 | 12 53 | 2 21 | 0s18 | 0 42 | 18 50 | 1 32 | 6 55 | 1 5 | 22 5 | 1 2 | 22 45 | 0 6 | 20 2 | 1 34 | 10 41 | 10 45 | 13 21 | 13 44 | 11 30 | 16 19 | 3 15 |
| M18 | 10 38 | 3 31 | 4 5 | 13 15 | 2 2 | 0 50 | 0 40 | 19 1 | 1 32 | 6 50 | 1 5 | 22 5 | 1 2 | 22 45 | 0 6 | 20 2 | 1 35 | 10 41 | 10 46 | 13 17 | 13 43 | 11 28 | 16 19 | 3 15 |
| T 19 | 10 17 | 0n30 | 3 22 | 13 35 | 1 43 | 1 21 | 0 37 | 19 12 | 1 32 | 6 45 | 1 5 | 22 5 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 41 | 10 46 | 13 14 | 13 42 | 11 26 | 16 19 | 3 16 |
| W20 | 9 56 | 4 31 | 2 29 | 13 52 | 1 25 | 1 52 | 0 34 | 19 23 | 1 33 | 6 40 | 1 5 | 22 6 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 41 | 10 46 | 13 12 | 13 41 | 11 24 | 16 19 | 3 16 |
| T 21 | 9 35 | 8 24 | 1 29 | 14 5 | 1 6 | 2 23 | 0 32 | 19 34 | 1 33 | 6 35 | 1 5 | 22 6 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 41 | 10 46 | 13 11 | 13 40 | 11 23 | 16 19 | 3 16 |
| F 22 | 9 13 | 11 59 | 0 24 | 14 16 | 0 48 | 2 55 | 0 29 | 19 45 | 1 34 | 6 30 | 1 5 | 22 6 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 40 | 10 46 | 13 10 | 13 39 | 11 21 | 16 18 | 3 17 |
| S 23 | 8 52 | 15 5 | 0s43 | 14 23 | 0 31 | 3 26 | 0 26 | 19 55 | 1 34 | 6 25 | 1 5 | 22 6 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 40 | 10 47 | 13 10 | 13 38 | 11 19 | 16 18 | 3 17 |
| S 24 | 8 30 | 17 30 | 1 50 | 14 27 | 0 14 | 3 57 | 0 23 | 20 5 | 1 34 | 6 20 | 1 5 | 22 6 | 1 1 | 22 45 | 0 6 | 20 2 | 1 35 | 10 40 | 10 47 | 13 11 | 13 37 | 11 17 | 16 18 | 3 17 |
| M25 | 8 8 | 19 2 | 2 53 | 14 27 | 0n 2 | 4 28 | 0 20 | 20 16 | 1 35 | 6 14 | 1 5 | 22 7 | 1 0 | 22 45 | 0 6 | 20 2 | 1 35 | 10 40 | 10 47 | 13 11 | 13 36 | 11 15 | 16 17 | 3 17 |
| T 26 | 7 46 | 19 31 | 3 48 | 14 24 | 0 17 | 4 59 | 0 17 | 20 26 | 1 35 | 6 9 | 1 5 | 22 7 | 1 0 | 22 45 | 0 6 | 20 2 | 1 35 | 10 40 | 10 47 | 13 11 | 13 35 | 11 14 | 16 17 | 3 18 |
| W27 | 7 24 | 18 49 | 4 31 | 14 17 | 0 31 | 5 30 | 0 14 | 20 36 | 1 35 | 6 4 | 1 5 | 22 7 | 1 0 | 22 45 | 0 6 | 20 2 | 1 35 | 10 39 | 10 47 | 13 10 | 13 34 | 11 12 | 16 17 | 3 18 |
| T 28 | 7 1 | 16 53 | 4 58 | 14 6 | 0 43 | 6 1 | 0 11 | 20 46 | 1 35 | 5 59 | 1 5 | 22 7 | 1 0 | 22 45 | 0 6 | 20 2 | 1 35 | 10 39 | 10 48 | 13 8 | 13 33 | 11 10 | 16 16 | 3 18 |
| F 29 | 6 39 | 13 49 | 5 6 | 13 52 | 0 55 | 6 32 | 0 8 | 20 56 | 1 36 | 5 54 | 1 5 | 22 8 | 1 0 | 22 46 | 0 6 | 20 2 | 1 35 | 10 39 | 10 48 | 13 6 | 13 32 | 11 8 | 16 16 | 3 19 |
| S 30 | 6 16 | 9 48 | 4 54 | 13 34 | 1 6 | 7 2 | 0 5 | 21 6 | 1 36 | 5 49 | 1 5 | 22 8 | 0 59 | 22 46 | 0 6 | 20 2 | 1 35 | 10 39 | 10 48 | 13 3 | 13 31 | 11 6 | 16 16 | 3 19 |
| S 31 | 5n54 | 5n 8 | 4s20 | 13n13 | 1n15 | 7s33 | 0n 2 | 21s15 | 1s36 | 5n44 | 1n 5 | 22s 8 | 0n59 | 22s46 | 0s 6 | 20n 2 | 1s35 | 10n39 | 10s48 | 13s 1 | 13s30 | 11s 5 | 16n15 | 3s19 |

Julian Day Number = 2232254.5, Delta T = 07m54s
Ecliptic obliquity = 23°30'55, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'53, Lahiri = 15°28'53 Julian Calendar 1 Aug. 1399 == Greg. Calendar 9 Aug. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## SEPTEMBER 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 11 44 | 16♍ 3'44 | 21♍33 | 29♌59 | 20♎29 | 28♏17 | 18♍16 | 19♐51 | 15♐ 1 | 7♊16 | 5°R29 | 4°R15 | 5♏44 | 16♒45 | 26°R44 | M 1 |
| T 2 | 23 15 40 | 17° 2'22 | 6♎21 | 1♍34 | 21°41 | 28°57 | 18°29 | 19°52 | 15° 2 | 7°R16 | 5♊29 | 4♏10 | 5°41 | 16°52 | 26♉44 | T 2 |
| W 3 | 23 19 37 | 18° 1'02 | 20°48 | 3°12 | 22°54 | 29°38 | 18°42 | 19°54 | 15° 3 | 7°16 | 5°29 | 4° 7 | 5°38 | 16°58 | 26°43 | W 3 |
| T 4 | 23 23 33 | 18°59'44 | 4♏48 | 4°53 | 24° 6 | 0♐19 | 18°55 | 19°55 | 15° 4 | 7°16 | 5°28 | 4°D 7 | 5°35 | 17° 5 | 26°42 | T 4 |
| F 5 | 23 27 30 | 19°58'27 | 18°20 | 6°36 | 25°18 | 1° 0 | 19° 8 | 19°57 | 15° 5 | 7°16 | 5°28 | 4° 7 | 5°32 | 17°12 | 26°42 | F 5 |
| S 6 | 23 31 27 | 20°57'13 | 1♐25 | 8°21 | 26°30 | 1°41 | 19°21 | 19°59 | 15° 6 | 7°16 | 5°28 | 4° 9 | 5°28 | 17°19 | 26°41 | S 6 |
| S 7 | 23 35 23 | 21°56'00 | 14° 8 | 10° 8 | 27°42 | 2°22 | 19°34 | 20° 1 | 15° 7 | 7°16 | 5°28 | 4°10 | 5°25 | 17°25 | 26°40 | S 7 |
| M 8 | 23 39 20 | 22°54'49 | 26°31 | 11°56 | 28°54 | 3° 3 | 19°47 | 20° 3 | 15° 8 | 7°16 | 5°28 | 4°R10 | 5°22 | 17°32 | 26°39 | M 8 |
| T 9 | 23 43 16 | 23°53'40 | 8♑40 | 13°44 | 0♏ 6 | 3°44 | 20° 0 | 20° 6 | 15° 9 | 7°15 | 5°27 | 4° 9 | 5°19 | 17°39 | 26°38 | T 9 |
| W10 | 23 47 13 | 24°52'32 | 20°39 | 15°33 | 1°17 | 4°26 | 20°13 | 20° 8 | 15°10 | 7°15 | 5°27 | 4° 6 | 5°16 | 17°46 | 26°37 | W10 |
| T 11 | 23 51 9 | 25°51'26 | 2♒33 | 17°23 | 2°29 | 5° 7 | 20°26 | 20°10 | 15°12 | 7°15 | 5°27 | 4° 1 | 5°12 | 17°52 | 26°36 | T 11 |
| F 12 | 23 55 6 | 26°50'22 | 14°25 | 19°12 | 3°41 | 5°49 | 20°39 | 20°13 | 15°13 | 7°15 | 5°27 | 3°55 | 5° 9 | 17°59 | 26°35 | F 12 |
| S 13 | 23 59 2 | 27°49'20 | 26°18 | 21° 1 | 4°53 | 6°31 | 20°52 | 20°15 | 15°14 | 7°14 | 5°26 | 3°48 | 5° 6 | 18° 6 | 26°34 | S 13 |
| S 14 | 0 2 59 | 28°48'20 | 8♓16 | 22°50 | 6° 5 | 7°13 | 21° 5 | 20°18 | 15°16 | 7°14 | 5°26 | 3°42 | 5° 3 | 18°12 | 26°33 | S 14 |
| M15 | 0 6 56 | 29°47'22 | 20°19 | 24°39 | 7°16 | 7°55 | 21°18 | 20°21 | 15°17 | 7°13 | 5°25 | 3°36 | 5° 0 | 18°19 | 26°31 | M15 |
| T 16 | 0 10 52 | 0♎46'25 | 2♈30 | 26°27 | 8°28 | 8°37 | 21°31 | 20°24 | 15°19 | 7°13 | 5°25 | 3°31 | 4°57 | 18°26 | 26°30 | T 16 |
| W17 | 0 14 49 | 1°45'31 | 14°50 | 28°14 | 9°39 | 9°19 | 21°44 | 20°26 | 15°20 | 7°13 | 5°25 | 3°28 | 4°53 | 18°33 | 26°28 | W17 |
| T 18 | 0 18 45 | 2°44'39 | 27°20 | 0♎ 1 | 10°51 | 10° 2 | 21°57 | 20°30 | 15°22 | 7°12 | 5°24 | 3°D27 | 4°50 | 18°39 | 26°27 | T 18 |
| F 19 | 0 22 42 | 3°43'49 | 10♉ 1 | 1°48 | 12° 2 | 10°44 | 22° 9 | 20°33 | 15°24 | 7°11 | 5°24 | 3°27 | 4°47 | 18°46 | 26°25 | F 19 |
| S 20 | 0 26 38 | 4°43'02 | 22°54 | 3°33 | 13°14 | 11°27 | 22°22 | 20°36 | 15°25 | 7°11 | 5°23 | 3°28 | 4°44 | 18°53 | 26°24 | S 20 |
| S 21 | 0 30 35 | 5°42'17 | 6♊ 2 | 5°18 | 14°25 | 12° 9 | 22°35 | 20°39 | 15°27 | 7°10 | 5°23 | 3°29 | 4°41 | 18°59 | 26°22 | S 21 |
| M22 | 0 34 31 | 6°41'34 | 19°25 | 7° 2 | 15°36 | 12°52 | 22°48 | 20°42 | 15°29 | 7°10 | 5°22 | 3°31 | 4°38 | 19° 6 | 26°20 | M22 |
| T 23 | 0 38 28 | 7°40'53 | 3♋ 5 | 8°46 | 16°48 | 13°35 | 23° 1 | 20°46 | 15°31 | 7° 9 | 5°22 | 3°R32 | 4°34 | 19°13 | 26°18 | T 23 |
| W24 | 0 42 24 | 8°40'15 | 17° 3 | 10°28 | 17°59 | 14°18 | 23°13 | 20°49 | 15°33 | 7° 8 | 5°21 | 3°31 | 4°31 | 19°20 | 26°16 | W24 |
| T 25 | 0 46 21 | 9°39'40 | 1♌18 | 12°10 | 19°10 | 15° 1 | 23°26 | 20°53 | 15°35 | 7° 8 | 5°21 | 3°30 | 4°28 | 19°26 | 26°14 | T 25 |
| F 26 | 0 50 18 | 10°39'06 | 15°48 | 13°51 | 20°21 | 15°44 | 23°39 | 20°57 | 15°37 | 7° 7 | 5°20 | 3°28 | 4°25 | 19°33 | 26°12 | F 26 |
| S 27 | 0 54 14 | 11°38'35 | 0♍29 | 15°32 | 21°32 | 16°27 | 23°52 | 21° 0 | 15°39 | 7° 6 | 5°20 | 3°25 | 4°22 | 19°40 | 26°10 | S 27 |
| S 28 | 0 58 11 | 12°38'06 | 15°14 | 17°11 | 22°43 | 17°11 | 24° 4 | 21° 4 | 15°41 | 7° 5 | 5°19 | 3°22 | 4°18 | 19°46 | 26° 8 | S 28 |
| M29 | 1 2 7 | 13°37'40 | 29°57 | 18°51 | 23°54 | 17°54 | 24°17 | 21° 8 | 15°43 | 7° 4 | 5°18 | 3°20 | 4°15 | 19°53 | 26° 6 | M29 |
| T 30 | 1 6 4 | 14♎37'15 | 14♎30 | 20♎29 | 25♏ 5 | 18♐38 | 24♍29 | 21♐12 | 15♐45 | 7♊ 4 | 5♊18 | 3♏18 | 4♏12 | 20♒ 0 | 26♉ 4 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5n31 | 0n10 | 3s29 | 12n49 | 1n23 | 8s 3 | 0s 1 | 21s24 | 1s37 | 5n39 | 1n 5 | 22s 9 | 0n59 | 22s46 | 0s 6 | 20n 2 | 1s35 | 10n39 | 10s48 | 12s59 | 13s29 | 11s 3 | 16n15 | 3s20 |
| T 2 | 5 8 | 4s44 | 2 24 | 12 21 | 1 30 | 8 33 | 0 4 | 21 34 | 1 37 | 5 34 | 1 5 | 22 9 | 0 59 | 22 46 | 0 6 | 20 2 | 1 35 | 10 38 | 10 49 | 12 57 | 13 28 | 11 1 | 16 14 | 3 20 |
| W 3 | 4 45 | 9 15 | 1 11 | 11 52 | 1 36 | 9 3 | 0 8 | 21 43 | 1 37 | 5 29 | 1 5 | 22 9 | 0 59 | 22 46 | 0 6 | 20 2 | 1 35 | 10 38 | 10 49 | 12 56 | 13 26 | 10 59 | 16 14 | 3 20 |
| T 4 | 4 22 | 13 6 | 0n 4 | 11 19 | 1 41 | 9 33 | 0 11 | 21 52 | 1 37 | 5 24 | 1 5 | 22 9 | 0 59 | 22 46 | 0 6 | 20 2 | 1 35 | 10 38 | 10 49 | 12 56 | 13 25 | 10 57 | 16 14 | 3 21 |
| F 5 | 3 59 | 16 7 | 1 16 | 10 45 | 1 45 | 10 2 | 0 14 | 22 1 | 1 37 | 5 19 | 1 5 | 22 10 | 0 58 | 22 46 | 0 6 | 20 1 | 1 35 | 10 38 | 10 49 | 12 56 | 13 24 | 10 55 | 16 13 | 3 21 |
| S 6 | 3 36 | 18 11 | 2 22 | 10 8 | 1 48 | 10 32 | 0 18 | 22 9 | 1 38 | 5 14 | 1 5 | 22 10 | 0 58 | 22 46 | 0 6 | 20 1 | 1 35 | 10 37 | 10 49 | 12 56 | 13 23 | 10 54 | 16 13 | 3 21 |
| S 7 | 3 13 | 19 16 | 3 20 | 9 29 | 1 50 | 11 1 | 0 21 | 22 18 | 1 38 | 5 9 | 1 5 | 22 10 | 0 58 | 22 46 | 0 6 | 20 1 | 1 36 | 10 37 | 10 49 | 12 57 | 13 22 | 10 52 | 16 12 | 3 22 |
| M 8 | 2 49 | 19 22 | 4 6 | 8 49 | 1 51 | 11 30 | 0 24 | 22 26 | 1 38 | 5 3 | 1 5 | 22 11 | 0 58 | 22 47 | 0 6 | 20 1 | 1 36 | 10 37 | 10 50 | 12 57 | 13 21 | 10 50 | 16 12 | 3 22 |
| T 9 | 2 26 | 18 34 | 4 40 | 8 8 | 1 52 | 11 58 | 0 28 | 22 34 | 1 38 | 4 58 | 1 5 | 22 11 | 0 58 | 22 47 | 0 6 | 20 1 | 1 36 | 10 37 | 10 50 | 12 56 | 13 20 | 10 48 | 16 11 | 3 22 |
| W10 | 2 3 | 16 57 | 5 2 | 7 25 | 1 51 | 12 27 | 0 31 | 22 42 | 1 38 | 4 53 | 1 5 | 22 11 | 0 58 | 22 47 | 0 6 | 20 1 | 1 36 | 10 37 | 10 50 | 12 55 | 13 19 | 10 46 | 16 10 | 3 23 |
| T 11 | 1 39 | 14 37 | 5 10 | 6 42 | 1 50 | 12 55 | 0 34 | 22 50 | 1 38 | 4 48 | 1 5 | 22 12 | 0 57 | 22 47 | 0 6 | 20 1 | 1 36 | 10 36 | 10 50 | 12 54 | 13 18 | 10 44 | 16 10 | 3 23 |
| F 12 | 1 16 | 11 41 | 5 5 | 5 57 | 1 49 | 13 23 | 0 38 | 22 58 | 1 38 | 4 43 | 1 5 | 22 12 | 0 57 | 22 47 | 0 6 | 20 1 | 1 36 | 10 36 | 10 50 | 12 52 | 13 17 | 10 43 | 16 9 | 3 23 |
| S 13 | 0 52 | 8 17 | 4 47 | 5 12 | 1 47 | 13 50 | 0 41 | 23 5 | 1 39 | 4 38 | 1 6 | 22 12 | 0 57 | 22 47 | 0 6 | 20 1 | 1 36 | 10 36 | 10 51 | 12 50 | 13 16 | 10 41 | 16 9 | 3 24 |
| S 14 | 0 29 | 4 32 | 4 16 | 4 26 | 1 44 | 14 17 | 0 45 | 23 12 | 1 39 | 4 33 | 1 6 | 22 13 | 0 57 | 22 48 | 0 6 | 20 1 | 1 36 | 10 36 | 10 51 | 12 47 | 13 15 | 10 39 | 16 8 | 3 24 |
| M15 | 0 5 | 0 34 | 3 34 | 3 40 | 1 41 | 14 44 | 0 48 | 23 19 | 1 39 | 4 28 | 1 6 | 22 13 | 0 57 | 22 48 | 0 6 | 20 1 | 1 36 | 10 35 | 10 51 | 12 45 | 13 14 | 10 37 | 16 8 | 3 24 |
| T 16 | 0s19 | 3n28 | 2 41 | 2 54 | 1 37 | 15 11 | 0 52 | 23 26 | 1 39 | 4 23 | 1 6 | 22 13 | 0 57 | 22 48 | 0 6 | 20 0 | 1 36 | 10 35 | 10 51 | 12 44 | 13 13 | 10 35 | 16 7 | 3 25 |
| W17 | 0 42 | 7 24 | 1 40 | 2 7 | 1 33 | 15 37 | 0 55 | 23 33 | 1 39 | 4 18 | 1 6 | 22 14 | 0 56 | 22 48 | 0 6 | 20 0 | 1 36 | 10 35 | 10 51 | 12 43 | 13 12 | 10 33 | 16 6 | 3 25 |
| T 18 | 1 6 | 11 5 | 0 33 | 1 20 | 1 28 | 16 3 | 0 58 | 23 39 | 1 39 | 4 13 | 1 6 | 22 14 | 0 56 | 22 48 | 0 6 | 20 0 | 1 36 | 10 35 | 10 51 | 12 42 | 13 10 | 10 32 | 16 6 | 3 25 |
| F 19 | 1 29 | 14 18 | 0s36 | 0 34 | 1 24 | 16 29 | 1 2 | 23 46 | 1 39 | 4 8 | 1 6 | 22 15 | 0 56 | 22 48 | 0 6 | 20 0 | 1 36 | 10 34 | 10 52 | 12 42 | 13 9 | 10 30 | 16 5 | 3 26 |
| S 20 | 1 53 | 16 52 | 1 45 | 0s13 | 1 19 | 16 54 | 1 5 | 23 52 | 1 39 | 4 3 | 1 6 | 22 15 | 0 56 | 22 49 | 0 6 | 20 0 | 1 36 | 10 34 | 10 52 | 12 43 | 13 8 | 10 28 | 16 4 | 3 26 |
| S 21 | 2 16 | 18 36 | 2 49 | 1 0 | 1 13 | 17 18 | 1 9 | 23 57 | 1 39 | 3 58 | 1 6 | 22 15 | 0 56 | 22 49 | 0 6 | 20 0 | 1 36 | 10 34 | 10 52 | 12 43 | 13 7 | 10 26 | 16 4 | 3 26 |
| M22 | 2 40 | 19 20 | 3 46 | 1 46 | 1 8 | 17 43 | 1 12 | 24 3 | 1 39 | 3 53 | 1 6 | 22 16 | 0 56 | 22 49 | 0 6 | 20 0 | 1 36 | 10 34 | 10 52 | 12 44 | 13 6 | 10 24 | 16 3 | 3 26 |
| T 23 | 3 3 | 18 58 | 4 31 | 2 32 | 1 2 | 18 7 | 1 15 | 24 9 | 1 39 | 3 48 | 1 6 | 22 16 | 0 56 | 22 49 | 0 6 | 19 59 | 1 36 | 10 33 | 10 52 | 12 44 | 13 5 | 10 22 | 16 2 | 3 27 |
| W24 | 3 27 | 17 26 | 5 2 | 3 18 | 0 56 | 18 30 | 1 19 | 24 14 | 1 39 | 3 43 | 1 6 | 22 17 | 0 55 | 22 49 | 0 6 | 19 59 | 1 36 | 10 33 | 10 52 | 12 44 | 13 4 | 10 21 | 16 1 | 3 27 |
| T 25 | 3 50 | 14 49 | 5 14 | 4 4 | 0 50 | 18 53 | 1 22 | 24 19 | 1 39 | 3 38 | 1 6 | 22 17 | 0 55 | 22 50 | 0 6 | 19 59 | 1 36 | 10 33 | 10 53 | 12 43 | 13 3 | 10 19 | 16 1 | 3 27 |
| F 26 | 4 14 | 11 15 | 5 7 | 4 49 | 0 44 | 19 16 | 1 25 | 24 23 | 1 39 | 3 33 | 1 6 | 22 17 | 0 55 | 22 50 | 0 6 | 19 59 | 1 36 | 10 33 | 10 53 | 12 43 | 13 2 | 10 17 | 16 0 | 3 28 |
| S 27 | 4 37 | 6 58 | 4 40 | 5 34 | 0 37 | 19 38 | 1 29 | 24 28 | 1 39 | 3 28 | 1 6 | 22 18 | 0 55 | 22 50 | 0 6 | 19 59 | 1 36 | 10 32 | 10 53 | 12 42 | 13 1 | 10 15 | 15 59 | 3 28 |
| S 28 | 5 0 | 2 14 | 3 55 | 6 18 | 0 31 | 20 0 | 1 32 | 24 32 | 1 39 | 3 23 | 1 6 | 22 18 | 0 55 | 22 50 | 0 6 | 19 59 | 1 36 | 10 32 | 10 53 | 12 41 | 13 0 | 10 13 | 15 58 | 3 28 |
| M29 | 5 24 | 2s38 | 2 54 | 7 2 | 0 24 | 20 21 | 1 35 | 24 36 | 1 39 | 3 18 | 1 7 | 22 19 | 0 55 | 22 51 | 0 6 | 19 58 | 1 36 | 10 32 | 10 53 | 12 40 | 12 59 | 10 11 | 15 58 | 3 28 |
| T 30 | 5s47 | 7s18 | 1s42 | 7s45 | 0n17 | 20s41 | 1s38 | 24s40 | 1s39 | 3n13 | 1n 7 | 22s19 | 0n54 | 22s51 | 0s 6 | 19n58 | 1s37 | 10n32 | 10s53 | 12s39 | 12s58 | 10s 9 | 15n57 | 3s29 |

Julian Day Number = 2232285.5, Delta T = 07m53s
Ecliptic obliquity = 23°30'55, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°21'57, Lahiri = 15°28'57 Julian Calendar 1 Sept. 1399 == Greg. Calendar 9 Sept. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## OCTOBER 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 10 0 | 15♎36'53 | 28♎48 | 22♎ 7 | 26♏16 | 19♐21 | 24♍42 | 21♐16 | 15♐47 | 7°R 3 | 5°R17 | 3°D17 | 4♏ 9 | 20♒ 7 | 26°R 2 | W 1 |
| T 2 | 1 13 57 | 16°36'32 | 12♏44 | 23°44 | 27°27 | 20° 5 | 24°55 | 21°21 | 15°49 | 7♊ 2 | 5♊16 | 3♏17 | 4° 6 | 20°13 | 25♉59 | T 2 |
| F 3 | 1 17 53 | 17°36'14 | 26°17 | 25°20 | 28°38 | 20°49 | 25° 7 | 21°25 | 15°52 | 7° 1 | 5°15 | 3°18 | 4° 3 | 20°20 | 25°57 | F 3 |
| S 4 | 1 21 50 | 18°35'57 | 9♐26 | 26°56 | 29°48 | 21°33 | 25°20 | 21°29 | 15°54 | 7° 0 | 5°15 | 3°19 | 3°59 | 20°27 | 25°54 | S 4 |
| S 5 | 1 25 47 | 19°35'42 | 22°12 | 28°31 | 0♐59 | 22°16 | 25°32 | 21°34 | 15°56 | 6°59 | 5°14 | 3°21 | 3°56 | 20°33 | 25°52 | S 5 |
| M 6 | 1 29 43 | 20°35'29 | 4♑39 | 0♏ 6 | 2°10 | 23° 1 | 25°44 | 21°38 | 15°59 | 6°58 | 5°13 | 3°22 | 3°53 | 20°40 | 25°49 | M 6 |
| T 7 | 1 33 40 | 21°35'18 | 16°51 | 1°40 | 3°20 | 23°45 | 25°57 | 21°43 | 16° 1 | 6°57 | 5°12 | 3°R22 | 3°50 | 20°47 | 25°47 | T 7 |
| W 8 | 1 37 36 | 22°35'08 | 28°51 | 3°14 | 4°30 | 24°29 | 26° 9 | 21°47 | 16° 4 | 6°56 | 5°12 | 3°22 | 3°47 | 20°54 | 25°44 | W 8 |
| T 9 | 1 41 33 | 23°35'00 | 10♒46 | 4°46 | 5°41 | 25°13 | 26°21 | 21°52 | 16° 6 | 6°54 | 5°11 | 3°21 | 3°43 | 21° 0 | 25°41 | T 9 |
| F 10 | 1 45 29 | 24°34'54 | 22°38 | 6°19 | 6°51 | 25°57 | 26°33 | 21°57 | 16° 9 | 6°53 | 5°10 | 3°21 | 3°40 | 21° 7 | 25°39 | F 10 |
| S 11 | 1 49 26 | 25°34'49 | 4♓33 | 7°51 | 8° 1 | 26°42 | 26°46 | 22° 1 | 16°11 | 6°52 | 5° 9 | 3°20 | 3°37 | 21°14 | 25°36 | S 11 |
| S 12 | 1 53 22 | 26°34'46 | 16°33 | 9°22 | 9°11 | 27°26 | 26°58 | 22° 6 | 16°14 | 6°51 | 5° 8 | 3°18 | 3°34 | 21°21 | 25°33 | S 12 |
| M13 | 1 57 19 | 27°34'45 | 28°43 | 10°53 | 10°21 | 28°11 | 27°10 | 22°11 | 16°17 | 6°50 | 5° 7 | 3°18 | 3°31 | 21°27 | 25°30 | M13 |
| T 14 | 2 1 16 | 28°34'46 | 11♈ 5 | 12°24 | 11°31 | 28°56 | 27°22 | 22°16 | 16°19 | 6°48 | 5° 7 | 3°17 | 3°28 | 21°34 | 25°27 | T 14 |
| W15 | 2 5 12 | 29°34'48 | 23°40 | 13°54 | 12°41 | 29°40 | 27°34 | 22°21 | 16°22 | 6°47 | 5° 6 | 3°17 | 3°24 | 21°41 | 25°24 | W15 |
| T 16 | 2 9 9 | 0♏34'53 | 6♉29 | 15°23 | 13°51 | 0♑25 | 27°46 | 22°27 | 16°25 | 6°46 | 5° 5 | 3°D17 | 3°21 | 21°47 | 25°21 | T 16 |
| F 17 | 2 13 5 | 1°34'59 | 19°31 | 16°52 | 15° 0 | 1°10 | 27°57 | 22°32 | 16°28 | 6°45 | 5° 4 | 3°17 | 3°18 | 21°54 | 25°18 | F 17 |
| S 18 | 2 17 2 | 2°35'07 | 2♊48 | 18°20 | 16°10 | 1°55 | 28° 9 | 22°37 | 16°31 | 6°43 | 5° 3 | 3°17 | 3°15 | 22° 1 | 25°15 | S 18 |
| S 19 | 2 20 58 | 3°35'17 | 16°18 | 19°48 | 17°19 | 2°40 | 28°21 | 22°42 | 16°33 | 6°42 | 5° 2 | 3°R17 | 3°12 | 22° 8 | 25°12 | S 19 |
| M20 | 2 24 55 | 4°35'30 | 29°59 | 21°16 | 18°29 | 3°25 | 28°33 | 22°48 | 16°36 | 6°41 | 5° 1 | 3°17 | 3° 9 | 22°14 | 25° 9 | M20 |
| T 21 | 2 28 51 | 5°35'44 | 13♋51 | 22°42 | 19°38 | 4°10 | 28°44 | 22°53 | 16°39 | 6°39 | 5° 0 | 3°17 | 3° 5 | 22°21 | 25° 6 | T 21 |
| W22 | 2 32 48 | 6°36'01 | 27°53 | 24° 9 | 20°47 | 4°55 | 28°56 | 22°59 | 16°42 | 6°38 | 4°59 | 3°17 | 3° 2 | 22°28 | 25° 3 | W22 |
| T 23 | 2 36 45 | 7°36'19 | 12♌ 2 | 25°34 | 21°56 | 5°40 | 29° 7 | 23° 4 | 16°45 | 6°36 | 4°58 | 3°D17 | 2°59 | 22°34 | 24°59 | T 23 |
| F 24 | 2 40 41 | 8°36'40 | 26°16 | 26°59 | 23° 5 | 6°25 | 29°19 | 23°10 | 16°48 | 6°35 | 4°57 | 3°17 | 2°56 | 22°41 | 24°56 | F 24 |
| S 25 | 2 44 38 | 9°37'02 | 10♍33 | 28°23 | 24°14 | 7°11 | 29°30 | 23°16 | 16°51 | 6°33 | 4°56 | 3°17 | 2°53 | 22°48 | 24°53 | S 25 |
| S 26 | 2 48 34 | 10°37'27 | 24°51 | 29°46 | 25°22 | 7°56 | 29°41 | 23°21 | 16°54 | 6°32 | 4°55 | 3°18 | 2°49 | 22°55 | 24°50 | S 26 |
| M27 | 2 52 31 | 11°37'53 | 9♎ 5 | 1♐ 9 | 26°31 | 8°41 | 29°53 | 23°27 | 16°58 | 6°30 | 4°54 | 3°19 | 2°46 | 23° 1 | 24°46 | M27 |
| T 28 | 2 56 27 | 12°38'21 | 23°11 | 2°30 | 27°39 | 9°27 | 0♎ 4 | 23°33 | 17° 1 | 6°29 | 4°53 | 3°19 | 2°43 | 23° 8 | 24°43 | T 28 |
| W29 | 3 0 24 | 13°38'51 | 7♏ 6 | 3°51 | 28°47 | 10°12 | 0°15 | 23°39 | 17° 4 | 6°27 | 4°52 | 3°R19 | 2°40 | 23°15 | 24°40 | W29 |
| T 30 | 3 4 20 | 14°39'23 | 20°47 | 5°10 | 29°55 | 10°58 | 0°26 | 23°45 | 17° 7 | 6°26 | 4°51 | 3°19 | 2°37 | 23°21 | 24°36 | T 30 |
| F 31 | 3 8 17 | 15♏39'56 | 4♐10 | 6♐28 | 1♑ 3 | 11♑44 | 0♎37 | 23♐51 | 17♐10 | 6♊24 | 4♊50 | 3♏18 | 2♏34 | 23♒28 | 24♉33 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6s10 | 11s28 | 0s25 | 8s28 | 0n11 | 21s 1 | 1s42 | 24s44 | 1s39 | 3n 8 | 1n 7 | 22s19 | 0n54 | 22s51 | 0s 6 | 19n58 | 1s37 | 10n31 | 10s53 | 12s39 | 12s57 | 10s 8 | 15n56 | 3s29 |
| T 2 | 6 33 | 14 53 | 0n52 | 9 11 | 0 4 | 21 21 | 1 45 | 24 47 | 1 39 | 3 3 | 1 7 | 22 20 | 0 54 | 22 51 | 0 6 | 19 58 | 1 37 | 10 31 | 10 54 | 12 39 | 12 55 | 10 6 | 15 55 | 3 29 |
| F 3 | 6 56 | 17 23 | 2 4 | 9 53 | 0s 3 | 21 40 | 1 48 | 24 50 | 1 39 | 2 58 | 1 7 | 22 20 | 0 54 | 22 51 | 0 6 | 19 58 | 1 37 | 10 31 | 10 54 | 12 39 | 12 54 | 10 4 | 15 54 | 3 30 |
| S 4 | 7 19 | 18 51 | 3 7 | 10 34 | 0 10 | 21 59 | 1 51 | 24 53 | 1 39 | 2 53 | 1 7 | 22 21 | 0 54 | 22 52 | 0 6 | 19 58 | 1 37 | 10 31 | 10 54 | 12 40 | 12 53 | 10 2 | 15 54 | 3 30 |
| S 5 | 7 41 | 19 19 | 3 59 | 11 14 | 0 17 | 22 17 | 1 54 | 24 56 | 1 38 | 2 48 | 1 7 | 22 21 | 0 54 | 22 52 | 0 6 | 19 57 | 1 37 | 10 30 | 10 54 | 12 40 | 12 52 | 10 0 | 15 53 | 3 30 |
| M 6 | 8 4 | 18 48 | 4 38 | 11 54 | 0 23 | 22 34 | 1 57 | 24 58 | 1 38 | 2 44 | 1 7 | 22 22 | 0 54 | 22 52 | 0 6 | 19 57 | 1 37 | 10 30 | 10 54 | 12 40 | 12 51 | 9 58 | 15 52 | 3 30 |
| T 7 | 8 26 | 17 26 | 5 4 | 12 34 | 0 30 | 22 51 | 2 0 | 25 0 | 1 38 | 2 39 | 1 7 | 22 22 | 0 53 | 22 52 | 0 6 | 19 57 | 1 37 | 10 30 | 10 54 | 12 41 | 12 50 | 9 57 | 15 51 | 3 31 |
| W 8 | 8 49 | 15 18 | 5 16 | 13 12 | 0 37 | 23 7 | 2 3 | 25 2 | 1 38 | 2 34 | 1 7 | 22 22 | 0 53 | 22 53 | 0 6 | 19 57 | 1 37 | 10 30 | 10 54 | 12 41 | 12 49 | 9 55 | 15 50 | 3 31 |
| T 9 | 9 11 | 12 33 | 5 14 | 13 50 | 0 43 | 23 23 | 2 5 | 25 4 | 1 38 | 2 29 | 1 7 | 22 23 | 0 53 | 22 53 | 0 6 | 19 56 | 1 37 | 10 29 | 10 55 | 12 40 | 12 48 | 9 53 | 15 49 | 3 31 |
| F 10 | 9 33 | 9 18 | 4 59 | 14 27 | 0 50 | 23 38 | 2 8 | 25 5 | 1 38 | 2 24 | 1 8 | 22 23 | 0 53 | 22 53 | 0 6 | 19 56 | 1 37 | 10 29 | 10 55 | 12 40 | 12 47 | 9 51 | 15 49 | 3 31 |
| S 11 | 9 55 | 5 40 | 4 31 | 15 4 | 0 57 | 23 52 | 2 11 | 25 6 | 1 38 | 2 20 | 1 8 | 22 24 | 0 53 | 22 54 | 0 6 | 19 56 | 1 37 | 10 29 | 10 55 | 12 40 | 12 46 | 9 49 | 15 48 | 3 32 |
| S 12 | 10 17 | 1 46 | 3 51 | 15 40 | 1 3 | 24 6 | 2 13 | 25 7 | 1 37 | 2 15 | 1 8 | 22 24 | 0 53 | 22 54 | 0 6 | 19 56 | 1 37 | 10 29 | 10 55 | 12 39 | 12 45 | 9 47 | 15 47 | 3 32 |
| M13 | 10 39 | 2n15 | 3 0 | 16 14 | 1 10 | 24 19 | 2 16 | 25 7 | 1 37 | 2 10 | 1 8 | 22 25 | 0 53 | 22 54 | 0 6 | 19 56 | 1 37 | 10 28 | 10 55 | 12 39 | 12 44 | 9 45 | 15 46 | 3 32 |
| T 14 | 11 0 | 6 14 | 2 0 | 16 48 | 1 16 | 24 31 | 2 19 | 25 8 | 1 37 | 2 5 | 1 8 | 22 25 | 0 52 | 22 54 | 0 6 | 19 55 | 1 37 | 10 28 | 10 55 | 12 39 | 12 42 | 9 44 | 15 45 | 3 32 |
| W15 | 11 22 | 10 2 | 0 53 | 17 22 | 1 22 | 24 43 | 2 21 | 25 8 | 1 37 | 2 1 | 1 8 | 22 25 | 0 52 | 22 55 | 0 6 | 19 55 | 1 37 | 10 28 | 10 55 | 12 39 | 12 41 | 9 42 | 15 44 | 3 33 |
| T 16 | 11 43 | 13 27 | 0s18 | 17 54 | 1 28 | 24 54 | 2 23 | 25 7 | 1 37 | 1 56 | 1 8 | 22 26 | 0 52 | 22 55 | 0 6 | 19 55 | 1 37 | 10 28 | 10 55 | 12 39 | 12 40 | 9 40 | 15 43 | 3 33 |
| F 17 | 12 4 | 16 14 | 1 29 | 18 26 | 1 34 | 25 5 | 2 26 | 25 7 | 1 36 | 1 52 | 1 8 | 22 26 | 0 52 | 22 55 | 0 6 | 19 55 | 1 37 | 10 27 | 10 55 | 12 39 | 12 39 | 9 38 | 15 42 | 3 33 |
| S 18 | 12 25 | 18 13 | 2 37 | 18 56 | 1 40 | 25 15 | 2 28 | 25 6 | 1 36 | 1 47 | 1 8 | 22 27 | 0 52 | 22 56 | 0 6 | 19 54 | 1 37 | 10 27 | 10 55 | 12 39 | 12 38 | 9 36 | 15 41 | 3 33 |
| S 19 | 12 45 | 19 13 | 3 37 | 19 26 | 1 45 | 25 24 | 2 30 | 25 5 | 1 36 | 1 42 | 1 9 | 22 27 | 0 52 | 22 56 | 0 6 | 19 54 | 1 37 | 10 27 | 10 56 | 12 39 | 12 37 | 9 34 | 15 40 | 3 33 |
| M20 | 13 6 | 19 6 | 4 25 | 19 54 | 1 50 | 25 32 | 2 32 | 25 4 | 1 36 | 1 38 | 1 9 | 22 28 | 0 52 | 22 56 | 0 6 | 19 54 | 1 37 | 10 27 | 10 56 | 12 39 | 12 36 | 9 32 | 15 39 | 3 34 |
| T 21 | 13 26 | 17 50 | 4 59 | 20 22 | 1 56 | 25 40 | 2 34 | 25 2 | 1 35 | 1 33 | 1 9 | 22 28 | 0 52 | 22 56 | 0 6 | 19 54 | 1 37 | 10 26 | 10 56 | 12 39 | 12 35 | 9 30 | 15 38 | 3 34 |
| W22 | 13 46 | 15 29 | 5 16 | 20 49 | 2 1 | 25 47 | 2 36 | 25 0 | 1 35 | 1 29 | 1 9 | 22 28 | 0 51 | 22 57 | 0 6 | 19 53 | 1 37 | 10 26 | 10 56 | 12 39 | 12 34 | 9 29 | 15 38 | 3 34 |
| T 23 | 14 6 | 12 13 | 5 14 | 21 14 | 2 5 | 25 53 | 2 38 | 24 58 | 1 35 | 1 24 | 1 9 | 22 29 | 0 51 | 22 57 | 0 6 | 19 53 | 1 37 | 10 26 | 10 56 | 12 39 | 12 33 | 9 27 | 15 37 | 3 34 |
| F 24 | 14 25 | 8 13 | 4 52 | 21 39 | 2 10 | 25 59 | 2 39 | 24 56 | 1 34 | 1 20 | 1 9 | 22 29 | 0 51 | 22 57 | 0 6 | 19 53 | 1 37 | 10 26 | 10 56 | 12 39 | 12 32 | 9 25 | 15 36 | 3 34 |
| S 25 | 14 44 | 3 44 | 4 13 | 22 2 | 2 14 | 26 4 | 2 41 | 24 53 | 1 34 | 1 16 | 1 9 | 22 30 | 0 51 | 22 58 | 0 6 | 19 53 | 1 37 | 10 25 | 10 56 | 12 39 | 12 31 | 9 23 | 15 35 | 3 35 |
| S 26 | 15 3 | 0s58 | 3 18 | 22 24 | 2 18 | 26 8 | 2 42 | 24 50 | 1 34 | 1 11 | 1 9 | 22 30 | 0 51 | 22 58 | 0 6 | 19 52 | 1 37 | 10 25 | 10 56 | 12 39 | 12 29 | 9 21 | 15 34 | 3 35 |
| M27 | 15 22 | 5 36 | 2 10 | 22 45 | 2 21 | 26 12 | 2 44 | 24 47 | 1 34 | 1 7 | 1 10 | 22 30 | 0 51 | 22 58 | 0 6 | 19 52 | 1 37 | 10 25 | 10 56 | 12 39 | 12 28 | 9 19 | 15 33 | 3 35 |
| T 28 | 15 41 | 9 54 | 0 56 | 23 5 | 2 24 | 26 15 | 2 45 | 24 44 | 1 33 | 1 2 | 1 10 | 22 31 | 0 51 | 22 59 | 0 6 | 19 52 | 1 37 | 10 25 | 10 56 | 12 40 | 12 27 | 9 17 | 15 32 | 3 35 |
| W29 | 15 59 | 13 36 | 0n21 | 23 24 | 2 27 | 26 17 | 2 46 | 24 40 | 1 33 | 0 58 | 1 10 | 22 31 | 0 51 | 22 59 | 0 6 | 19 51 | 1 37 | 10 25 | 10 56 | 12 40 | 12 26 | 9 16 | 15 31 | 3 35 |
| T 30 | 16 17 | 16 28 | 1 35 | 23 41 | 2 30 | 26 18 | 2 47 | 24 36 | 1 33 | 0 54 | 1 10 | 22 32 | 0 50 | 22 59 | 0 6 | 19 51 | 1 37 | 10 24 | 10 56 | 12 39 | 12 25 | 9 14 | 15 30 | 3 35 |
| F 31 | 16s35 | 18s23 | 2n43 | 23s57 | 2s32 | 26s19 | 2s48 | 24s32 | 1s32 | 0n50 | 1n10 | 22s32 | 0n50 | 23s 0 | 0s 6 | 19n51 | 1s37 | 10n24 | 10s56 | 12s39 | 12s24 | 9s12 | 15n29 | 3s36 |

Julian Day Number = 2232315.5, Delta T = 07m53s
Ecliptic obliquity = 23°30'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°22'01, Lahiri = 15°29'02 Julian Calendar 1 Oct. 1399 == Greg. Calendar 9 Oct. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## NOVEMBER 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 12 14 | 16♏40'31 | 17♐14 | 7♐44 | 2♑11 | 12♑29 | 0♎48 | 23♐57 | 17♐13 | 6°R23 | 4°R49 | 3°R16 | 2♏30 | 23♒35 | 24°R30 | S 1 |
| S 2 | 3 16 10 | 17°41'07 | 29°59 | 8°58 | 3°19 | 13°15 | 0°58 | 24° 3 | 17°17 | 6♊21 | 4♊48 | 3♏14 | 2°27 | 23°42 | 24♉26 | S 2 |
| M 3 | 3 20 7 | 18°41'45 | 12♑28 | 10°11 | 4°27 | 14° 1 | 1° 9 | 24° 9 | 17°20 | 6°20 | 4°47 | 3°12 | 2°24 | 23°48 | 24°23 | M 3 |
| T 4 | 3 24 3 | 19°42'23 | 24°41 | 11°21 | 5°34 | 14°47 | 1°20 | 24°15 | 17°23 | 6°18 | 4°45 | 3°10 | 2°21 | 23°55 | 24°19 | T 4 |
| W 5 | 3 28 0 | 20°43'03 | 6♒43 | 12°29 | 6°41 | 15°33 | 1°30 | 24°22 | 17°27 | 6°16 | 4°44 | 3° 8 | 2°18 | 24° 2 | 24°16 | W 5 |
| T 6 | 3 31 56 | 21°43'44 | 18°37 | 13°34 | 7°48 | 16°18 | 1°40 | 24°28 | 17°30 | 6°15 | 4°43 | 3°D 7 | 2°15 | 24° 8 | 24°13 | T 6 |
| F 7 | 3 35 53 | 22°44'27 | 0♓29 | 14°36 | 8°55 | 17° 4 | 1°51 | 24°34 | 17°33 | 6°13 | 4°42 | 3° 8 | 2°11 | 24°15 | 24° 9 | F 7 |
| S 8 | 3 39 49 | 23°45'10 | 12°23 | 15°34 | 10° 2 | 17°50 | 2° 1 | 24°41 | 17°37 | 6°11 | 4°41 | 3° 9 | 2° 8 | 24°22 | 24° 6 | S 8 |
| S 9 | 3 43 46 | 24°45'54 | 24°25 | 16°27 | 11° 8 | 18°36 | 2°11 | 24°47 | 17°40 | 6°10 | 4°40 | 3°10 | 2° 5 | 24°29 | 24° 2 | S 9 |
| M10 | 3 47 42 | 25°46'40 | 6♈37 | 17°16 | 12°14 | 19°22 | 2°21 | 24°53 | 17°44 | 6° 8 | 4°39 | 3°12 | 2° 2 | 24°35 | 23°59 | M10 |
| T 11 | 3 51 39 | 26°47'26 | 19° 5 | 18° 0 | 13°20 | 20° 9 | 2°31 | 25° 0 | 17°47 | 6° 6 | 4°38 | 3°13 | 1°59 | 24°42 | 23°55 | T 11 |
| W12 | 3 55 36 | 27°48'14 | 1♉51 | 18°37 | 14°26 | 20°55 | 2°41 | 25° 6 | 17°50 | 6° 5 | 4°36 | 3°R14 | 1°55 | 24°49 | 23°52 | W12 |
| T 13 | 3 59 32 | 28°49'03 | 14°57 | 19° 7 | 15°31 | 21°41 | 2°51 | 25°13 | 17°54 | 6° 3 | 4°35 | 3°13 | 1°52 | 24°55 | 23°49 | T 13 |
| F 14 | 4 3 29 | 29°49'52 | 28°22 | 19°30 | 16°37 | 22°27 | 3° 0 | 25°20 | 17°57 | 6° 1 | 4°34 | 3°12 | 1°49 | 25° 2 | 23°45 | F 14 |
| S 15 | 4 7 25 | 0♐50'44 | 12♊ 6 | 19°44 | 17°42 | 23°13 | 3°10 | 25°26 | 18° 1 | 6° 0 | 4°33 | 3° 8 | 1°46 | 25° 9 | 23°42 | S 15 |
| S 16 | 4 11 22 | 1°51'36 | 26° 4 | 19°R49 | 18°47 | 24° 0 | 3°19 | 25°33 | 18° 4 | 5°58 | 4°32 | 3° 4 | 1°43 | 25°16 | 23°38 | S 16 |
| M17 | 4 15 18 | 2°52'30 | 10♋14 | 19°44 | 19°51 | 24°46 | 3°29 | 25°39 | 18° 8 | 5°56 | 4°31 | 3° 0 | 1°40 | 25°22 | 23°35 | M17 |
| T 18 | 4 19 15 | 3°53'24 | 24°31 | 19°27 | 20°55 | 25°32 | 3°38 | 25°46 | 18°12 | 5°55 | 4°30 | 2°55 | 1°36 | 25°29 | 23°32 | T 18 |
| W19 | 4 23 12 | 4°54'20 | 8♌49 | 19° 0 | 21°59 | 26°19 | 3°47 | 25°53 | 18°15 | 5°53 | 4°28 | 2°52 | 1°33 | 25°36 | 23°28 | W19 |
| T 20 | 4 27 8 | 5°55'18 | 23° 5 | 18°22 | 23° 3 | 27° 5 | 3°56 | 26° 0 | 18°19 | 5°51 | 4°27 | 2°49 | 1°30 | 25°42 | 23°25 | T 20 |
| F 21 | 4 31 5 | 6°56'16 | 7♍16 | 17°32 | 24° 6 | 27°51 | 4° 5 | 26° 6 | 18°22 | 5°49 | 4°26 | 2°D49 | 1°27 | 25°49 | 23°21 | F 21 |
| S 22 | 4 35 1 | 7°57'16 | 21°20 | 16°32 | 25° 9 | 28°38 | 4°14 | 26°13 | 18°26 | 5°48 | 4°25 | 2°49 | 1°24 | 25°56 | 23°18 | S 22 |
| S 23 | 4 38 58 | 8°58'17 | 5♎17 | 15°23 | 26°12 | 29°24 | 4°22 | 26°20 | 18°29 | 5°46 | 4°24 | 2°51 | 1°21 | 26° 2 | 23°15 | S 23 |
| M24 | 4 42 54 | 9°59'19 | 19° 4 | 14° 7 | 27°15 | 0♒11 | 4°31 | 26°27 | 18°33 | 5°44 | 4°23 | 2°52 | 1°17 | 26° 9 | 23°12 | M24 |
| T 25 | 4 46 51 | 11° 0'22 | 2♏42 | 12°47 | 28°17 | 0°57 | 4°39 | 26°34 | 18°37 | 5°43 | 4°21 | 2°R53 | 1°14 | 26°16 | 23° 8 | T 25 |
| W26 | 4 50 47 | 12° 1'27 | 16°10 | 11°24 | 29°19 | 1°44 | 4°48 | 26°41 | 18°40 | 5°41 | 4°20 | 2°52 | 1°11 | 26°23 | 23° 5 | W26 |
| T 27 | 4 54 44 | 13° 2'32 | 29°27 | 10° 1 | 0♒20 | 2°30 | 4°56 | 26°48 | 18°44 | 5°39 | 4°19 | 2°49 | 1° 8 | 26°29 | 23° 2 | T 27 |
| F 28 | 4 58 41 | 14° 3'38 | 12♐31 | 8°43 | 1°21 | 3°17 | 5° 4 | 26°54 | 18°48 | 5°38 | 4°18 | 2°44 | 1° 5 | 26°36 | 22°59 | F 28 |
| S 29 | 5 2 37 | 15° 4'45 | 25°22 | 7°30 | 2°21 | 4° 3 | 5°12 | 27° 1 | 18°51 | 5°36 | 4°17 | 2°37 | 1° 1 | 26°43 | 22°56 | S 29 |
| S 30 | 5 6 34 | 16♐ 5'52 | 7♑59 | 6♐25 | 3♒22 | 4♒50 | 5♎20 | 27♐ 8 | 18♐55 | 5♊34 | 4♊16 | 2♏29 | 0♏58 | 26♒49 | 22♉53 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s52 | 19s15 | 3n40 | 24s11 | 2s33 | 26s19 | 2s49 | 24s27 | 1s32 | 0n46 | 1n10 | 22s32 | 0n50 | 23s 0 | 0s 6 | 19n51 | 1s37 | 10n24 | 10s56 | 12s38 | 12s23 | 9s10 | 15n28 | 3s36 |
| S 2 | 17 10 | 19 6 | 4 24 | 24 24 | 2 34 | 26 18 | 2 50 | 24 22 | 1 32 | 0 41 | 1 11 | 22 33 | 0 50 | 23 0 | 0 6 | 19 50 | 1 37 | 10 24 | 10 56 | 12 38 | 12 22 | 9 8 | 15 27 | 3 36 |
| M 3 | 17 26 | 18 2 | 4 55 | 24 36 | 2 34 | 26 17 | 2 51 | 24 17 | 1 31 | 0 37 | 1 11 | 22 33 | 0 50 | 23 0 | 0 6 | 19 50 | 1 37 | 10 23 | 10 56 | 12 37 | 12 21 | 9 6 | 15 26 | 3 36 |
| T 4 | 17 43 | 16 8 | 5 12 | 24 46 | 2 34 | 26 15 | 2 51 | 24 12 | 1 31 | 0 33 | 1 11 | 22 34 | 0 50 | 23 1 | 0 6 | 19 50 | 1 37 | 10 23 | 10 56 | 12 36 | 12 20 | 9 4 | 15 25 | 3 36 |
| W 5 | 17 59 | 13 34 | 5 15 | 24 54 | 2 33 | 26 12 | 2 52 | 24 6 | 1 30 | 0 29 | 1 11 | 22 34 | 0 50 | 23 1 | 0 6 | 19 49 | 1 37 | 10 23 | 10 56 | 12 36 | 12 18 | 9 2 | 15 24 | 3 36 |
| T 6 | 18 15 | 10 28 | 5 4 | 25 1 | 2 32 | 26 9 | 2 52 | 24 0 | 1 30 | 0 25 | 1 11 | 22 34 | 0 50 | 23 1 | 0 6 | 19 49 | 1 37 | 10 23 | 10 57 | 12 36 | 12 17 | 9 0 | 15 23 | 3 36 |
| F 7 | 18 31 | 6 57 | 4 41 | 25 6 | 2 30 | 26 5 | 2 52 | 23 54 | 1 30 | 0 21 | 1 11 | 22 35 | 0 50 | 23 2 | 0 6 | 19 49 | 1 37 | 10 23 | 10 57 | 12 36 | 12 16 | 8 59 | 15 22 | 3 36 |
| S 8 | 18 46 | 3 10 | 4 5 | 25 9 | 2 26 | 26 0 | 2 52 | 23 48 | 1 29 | 0 17 | 1 11 | 22 35 | 0 49 | 23 2 | 0 6 | 19 49 | 1 37 | 10 22 | 10 57 | 12 36 | 12 15 | 8 57 | 15 21 | 3 37 |
| S 9 | 19 1 | 0n48 | 3 18 | 25 11 | 2 22 | 25 54 | 2 52 | 23 41 | 1 29 | 0 13 | 1 12 | 22 35 | 0 49 | 23 2 | 0 6 | 19 48 | 1 37 | 10 22 | 10 57 | 12 37 | 12 14 | 8 55 | 15 20 | 3 37 |
| M10 | 19 16 | 4 48 | 2 21 | 25 11 | 2 17 | 25 48 | 2 52 | 23 34 | 1 28 | 0 10 | 1 12 | 22 36 | 0 49 | 23 3 | 0 6 | 19 48 | 1 37 | 10 22 | 10 57 | 12 37 | 12 13 | 8 53 | 15 19 | 3 37 |
| T 11 | 19 30 | 8 41 | 1 17 | 25 9 | 2 11 | 25 41 | 2 51 | 23 27 | 1 28 | 0 6 | 1 12 | 22 36 | 0 49 | 23 3 | 0 6 | 19 48 | 1 37 | 10 22 | 10 57 | 12 38 | 12 12 | 8 51 | 15 19 | 3 37 |
| W12 | 19 44 | 12 16 | 0 8 | 25 5 | 2 4 | 25 34 | 2 51 | 23 19 | 1 27 | 0 2 | 1 12 | 22 36 | 0 49 | 23 3 | 0 6 | 19 47 | 1 37 | 10 22 | 10 57 | 12 38 | 12 11 | 8 49 | 15 18 | 3 37 |
| T 13 | 19 58 | 15 21 | 1s 4 | 24 59 | 1 55 | 25 26 | 2 50 | 23 12 | 1 27 | 0s 2 | 1 12 | 22 37 | 0 49 | 23 4 | 0 6 | 19 47 | 1 37 | 10 21 | 10 57 | 12 38 | 12 10 | 8 47 | 15 17 | 3 37 |
| F 14 | 20 11 | 17 41 | 2 14 | 24 51 | 1 45 | 25 17 | 2 49 | 23 4 | 1 27 | 0 5 | 1 13 | 22 37 | 0 49 | 23 4 | 0 6 | 19 47 | 1 37 | 10 21 | 10 56 | 12 37 | 12 9 | 8 45 | 15 16 | 3 37 |
| S 15 | 20 24 | 19 3 | 3 17 | 24 41 | 1 34 | 25 7 | 2 48 | 22 55 | 1 26 | 0 9 | 1 13 | 22 37 | 0 49 | 23 4 | 0 6 | 19 47 | 1 37 | 10 21 | 10 56 | 12 36 | 12 7 | 8 44 | 15 15 | 3 37 |
| S 16 | 20 36 | 19 18 | 4 10 | 24 28 | 1 21 | 24 57 | 2 47 | 22 47 | 1 26 | 0 13 | 1 13 | 22 38 | 0 49 | 23 5 | 0 6 | 19 46 | 1 37 | 10 21 | 10 56 | 12 34 | 12 6 | 8 42 | 15 14 | 3 37 |
| M17 | 20 48 | 18 20 | 4 48 | 24 14 | 1 7 | 24 47 | 2 46 | 22 38 | 1 25 | 0 16 | 1 13 | 22 38 | 0 49 | 23 5 | 0 6 | 19 46 | 1 37 | 10 21 | 10 56 | 12 33 | 12 5 | 8 40 | 15 13 | 3 37 |
| T 18 | 21 0 | 16 13 | 5 9 | 23 57 | 0 51 | 24 36 | 2 45 | 22 29 | 1 25 | 0 20 | 1 13 | 22 38 | 0 48 | 23 5 | 0 6 | 19 46 | 1 37 | 10 21 | 10 56 | 12 31 | 12 4 | 8 38 | 15 12 | 3 37 |
| W19 | 21 11 | 13 7 | 5 11 | 23 38 | 0 34 | 24 24 | 2 43 | 22 20 | 1 24 | 0 23 | 1 13 | 22 39 | 0 48 | 23 6 | 0 6 | 19 45 | 1 37 | 10 20 | 10 56 | 12 30 | 12 3 | 8 36 | 15 11 | 3 37 |
| T 20 | 21 22 | 9 15 | 4 53 | 23 16 | 0 16 | 24 11 | 2 41 | 22 11 | 1 24 | 0 27 | 1 14 | 22 39 | 0 48 | 23 6 | 0 6 | 19 45 | 1 37 | 10 20 | 10 56 | 12 29 | 12 2 | 8 34 | 15 10 | 3 38 |
| F 21 | 21 32 | 4 53 | 4 18 | 22 53 | 0n 3 | 23 58 | 2 39 | 22 1 | 1 23 | 0 30 | 1 14 | 22 39 | 0 48 | 23 6 | 0 6 | 19 45 | 1 37 | 10 20 | 10 56 | 12 29 | 12 1 | 8 32 | 15 10 | 3 38 |
| S 22 | 21 42 | 0 16 | 3 27 | 22 27 | 0 23 | 23 45 | 2 37 | 21 51 | 1 23 | 0 33 | 1 14 | 22 40 | 0 48 | 23 7 | 0 6 | 19 45 | 1 37 | 10 20 | 10 56 | 12 29 | 12 0 | 8 30 | 15 9 | 3 38 |
| S 23 | 21 52 | 4s19 | 2 25 | 21 59 | 0 43 | 23 31 | 2 35 | 21 41 | 1 22 | 0 36 | 1 14 | 22 40 | 0 48 | 23 7 | 0 6 | 19 44 | 1 37 | 10 20 | 10 56 | 12 30 | 11 59 | 8 28 | 15 8 | 3 38 |
| M24 | 22 1 | 8 38 | 1 15 | 21 31 | 1 4 | 23 16 | 2 33 | 21 30 | 1 22 | 0 40 | 1 14 | 22 40 | 0 48 | 23 7 | 0 6 | 19 44 | 1 37 | 10 20 | 10 56 | 12 30 | 11 58 | 8 27 | 15 7 | 3 38 |
| T 25 | 22 10 | 12 28 | 0 1 | 21 1 | 1 23 | 23 1 | 2 30 | 21 20 | 1 21 | 0 43 | 1 15 | 22 40 | 0 48 | 23 8 | 0 6 | 19 44 | 1 37 | 10 20 | 10 56 | 12 31 | 11 56 | 8 25 | 15 6 | 3 38 |
| W26 | 22 18 | 15 35 | 1n12 | 20 32 | 1 42 | 22 46 | 2 27 | 21 9 | 1 21 | 0 46 | 1 15 | 22 41 | 0 48 | 23 8 | 0 6 | 19 43 | 1 37 | 10 19 | 10 56 | 12 30 | 11 55 | 8 23 | 15 5 | 3 38 |
| T 27 | 22 26 | 17 50 | 2 19 | 20 4 | 1 59 | 22 30 | 2 25 | 20 58 | 1 20 | 0 49 | 1 15 | 22 41 | 0 48 | 23 8 | 0 6 | 19 43 | 1 37 | 10 19 | 10 56 | 12 29 | 11 54 | 8 21 | 15 5 | 3 38 |
| F 28 | 22 34 | 19 6 | 3 18 | 19 37 | 2 14 | 22 13 | 2 21 | 20 46 | 1 19 | 0 52 | 1 15 | 22 41 | 0 48 | 23 9 | 0 6 | 19 43 | 1 37 | 10 19 | 10 56 | 12 28 | 11 53 | 8 19 | 15 4 | 3 38 |
| S 29 | 22 41 | 19 20 | 4 6 | 19 13 | 2 27 | 21 56 | 2 18 | 20 35 | 1 19 | 0 55 | 1 16 | 22 41 | 0 47 | 23 9 | 0 6 | 19 43 | 1 37 | 10 19 | 10 56 | 12 25 | 11 52 | 8 17 | 15 3 | 3 38 |
| S 30 | 22s47 | 18s36 | 4n41 | 18s52 | 2n37 | 21s39 | 2s15 | 20s23 | 1s18 | 0s58 | 1n16 | 22s42 | 0n47 | 23s 9 | 0s 6 | 19n42 | 1s37 | 10n19 | 10s56 | 12s22 | 11s51 | 8s15 | 15n 2 | 3s38 |

Julian Day Number = 2232346.5, Delta T = 07m53s
Ecliptic obliquity = 23°30'54, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°22'05, Lahiri = 15°29'06 Julian Calendar 1 Nov. 1399 == Greg. Calendar 9 Nov. 1399


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# ASTRODIENST EPHEMERIS for the year 1399
# geocentric

## DECEMBER 1399 JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 10 30 | 17♐ 7'00 | 20♑22 | 5°R29 | 4♒21 | 5♒36 | 5♎27 | 27♐15 | 18♐58 | 5°R33 | 4°R15 | 2°R20 | 0♏55 | 26♒56 | 22°R49 | M 1 |
| T 2 | 5 14 27 | 18° 8'08 | 2♒33 | 4♐44 | 5°21 | 6°23 | 5°35 | 27°22 | 19° 2 | 5♊31 | 4♊14 | 2♏12 | 0°52 | 27° 3 | 22♉46 | T 2 |
| W 3 | 5 18 23 | 19° 9'17 | 14°34 | 4°10 | 6°19 | 7°10 | 5°42 | 27°29 | 19° 6 | 5°29 | 4°12 | 2° 5 | 0°49 | 27°10 | 22°43 | W 3 |
| T 4 | 5 22 20 | 20°10'25 | 26°28 | 3°47 | 7°18 | 7°56 | 5°49 | 27°36 | 19° 9 | 5°28 | 4°11 | 2° 0 | 0°46 | 27°16 | 22°41 | T 4 |
| F 5 | 5 26 16 | 21°11'34 | 8♓18 | 3°34 | 8°16 | 8°43 | 5°56 | 27°43 | 19°13 | 5°26 | 4°10 | 1°57 | 0°42 | 27°23 | 22°38 | F 5 |
| S 6 | 5 30 13 | 22°12'44 | 20°10 | 3°D32 | 9°13 | 9°30 | 6° 3 | 27°50 | 19°17 | 5°24 | 4° 9 | 1°D55 | 0°39 | 27°30 | 22°35 | S 6 |
| S 7 | 5 34 10 | 23°13'53 | 2♈ 8 | 3°39 | 10°10 | 10°16 | 6°10 | 27°57 | 19°20 | 5°23 | 4° 8 | 1°56 | 0°36 | 27°36 | 22°32 | S 7 |
| M 8 | 5 38 6 | 24°15'02 | 14°18 | 3°55 | 11° 6 | 11° 3 | 6°17 | 28° 4 | 19°24 | 5°21 | 4° 7 | 1°57 | 0°33 | 27°43 | 22°29 | M 8 |
| T 9 | 5 42 3 | 25°16'12 | 26°46 | 4°19 | 12° 1 | 11°50 | 6°23 | 28°11 | 19°27 | 5°20 | 4° 6 | 1°R58 | 0°30 | 27°50 | 22°26 | T 9 |
| W10 | 5 45 59 | 26°17'21 | 9♉34 | 4°50 | 12°56 | 12°36 | 6°30 | 28°19 | 19°31 | 5°18 | 4° 5 | 1°58 | 0°27 | 27°57 | 22°24 | W10 |
| T 11 | 5 49 56 | 27°18'31 | 22°48 | 5°27 | 13°51 | 13°23 | 6°36 | 28°26 | 19°35 | 5°16 | 4° 4 | 1°56 | 0°23 | 28° 3 | 22°21 | T 11 |
| F 12 | 5 53 52 | 28°19'40 | 6♊27 | 6°10 | 14°44 | 14°10 | 6°42 | 28°33 | 19°38 | 5°15 | 4° 3 | 1°51 | 0°20 | 28°10 | 22°18 | F 12 |
| S 13 | 5 57 49 | 29°20'50 | 20°31 | 6°58 | 15°37 | 14°56 | 6°48 | 28°40 | 19°42 | 5°13 | 4° 2 | 1°44 | 0°17 | 28°17 | 22°16 | S 13 |
| S 14 | 6 1 45 | 0♑22'00 | 4♋55 | 7°51 | 16°30 | 15°43 | 6°54 | 28°47 | 19°45 | 5°12 | 4° 1 | 1°35 | 0°14 | 28°23 | 22°13 | S 14 |
| M15 | 6 5 42 | 1°23'09 | 19°35 | 8°48 | 17°21 | 16°30 | 6°59 | 28°54 | 19°49 | 5°10 | 4° 0 | 1°25 | 0°11 | 28°30 | 22°11 | M15 |
| T 16 | 6 9 39 | 2°24'19 | 4♌21 | 9°49 | 18°12 | 17°16 | 7° 5 | 29° 1 | 19°53 | 5° 9 | 3°59 | 1°16 | 0° 7 | 28°37 | 22° 8 | T 16 |
| W17 | 6 13 35 | 3°25'29 | 19° 6 | 10°52 | 19° 2 | 18° 3 | 7°10 | 29° 8 | 19°56 | 5° 7 | 3°58 | 1° 7 | 0° 4 | 28°43 | 22° 6 | W17 |
| T 18 | 6 17 32 | 4°26'40 | 3♍42 | 11°59 | 19°51 | 18°50 | 7°15 | 29°15 | 20° 0 | 5° 6 | 3°57 | 1° 1 | 0° 1 | 28°50 | 22° 4 | T 18 |
| F 19 | 6 21 28 | 5°27'50 | 18° 4 | 13° 8 | 20°39 | 19°36 | 7°20 | 29°22 | 20° 3 | 5° 5 | 3°56 | 0°57 | 29♎58 | 28°57 | 22° 2 | F 19 |
| S 20 | 6 25 25 | 6°29'01 | 2♎11 | 14°19 | 21°26 | 20°23 | 7°25 | 29°29 | 20° 7 | 5° 3 | 3°55 | 0°D56 | 29°55 | 29° 4 | 21°59 | S 20 |
| S 21 | 6 29 21 | 7°30'11 | 16° 0 | 15°32 | 22°12 | 21°10 | 7°30 | 29°36 | 20°10 | 5° 2 | 3°54 | 0°56 | 29°52 | 29°10 | 21°57 | S 21 |
| M22 | 6 33 18 | 8°31'22 | 29°33 | 16°47 | 22°58 | 21°56 | 7°34 | 29°43 | 20°14 | 5° 0 | 3°53 | 0°R57 | 29°48 | 29°17 | 21°55 | M22 |
| T 23 | 6 37 14 | 9°32'33 | 12♏51 | 18° 4 | 23°42 | 22°43 | 7°38 | 29°50 | 20°17 | 4°59 | 3°52 | 0°56 | 29°45 | 29°24 | 21°53 | T 23 |
| W24 | 6 41 11 | 10°33'44 | 25°56 | 19°22 | 24°25 | 23°30 | 7°43 | 29°57 | 20°21 | 4°58 | 3°51 | 0°53 | 29°42 | 29°30 | 21°51 | W24 |
| T 25 | 6 45 8 | 11°34'55 | 8♐50 | 20°41 | 25° 7 | 24°16 | 7°47 | 0♑ 4 | 20°24 | 4°56 | 3°50 | 0°48 | 29°39 | 29°37 | 21°49 | T 25 |
| F 26 | 6 49 4 | 12°36'06 | 21°33 | 22° 2 | 25°49 | 25° 3 | 7°50 | 0°11 | 20°28 | 4°55 | 3°49 | 0°39 | 29°36 | 29°44 | 21°47 | F 26 |
| S 27 | 6 53 1 | 13°37'17 | 4♑ 6 | 23°23 | 26°28 | 25°49 | 7°54 | 0°18 | 20°31 | 4°54 | 3°49 | 0°28 | 29°33 | 29°51 | 21°46 | S 27 |
| S 28 | 6 56 57 | 14°38'27 | 16°29 | 24°46 | 27° 7 | 26°36 | 7°57 | 0°25 | 20°35 | 4°53 | 3°48 | 0°15 | 29°29 | 29°57 | 21°44 | S 28 |
| M29 | 7 0 54 | 15°39'36 | 28°43 | 26°10 | 27°44 | 27°23 | 8° 1 | 0°32 | 20°38 | 4°51 | 3°47 | 0° 0 | 29°26 | 0♓ 4 | 21°42 | M29 |
| T 30 | 7 4 50 | 16°40'46 | 10♒48 | 27°34 | 28°20 | 28° 9 | 8° 4 | 0°39 | 20°41 | 4°50 | 3°46 | 29♎46 | 29°23 | 0°11 | 21°41 | T 30 |
| W31 | 7 8 47 | 17♑41'54 | 22♒45 | 29♐ 0 | 28♒55 | 28♒56 | 8♎ 7 | 0♑45 | 20♐45 | 4♊49 | 3♊45 | 29♎34 | 29♎20 | 0♓17 | 21♉39 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s53 | 17s 0 | 5n 1 | 18s34 | 2n46 | 21s21 | 2s11 | 20s11 | 1s18 | 1s 1 | 1n16 | 22s42 | 0n47 | 23s 9 | 0s 6 | 19n42 | 1s37 | 10n19 | 10s56 | 12s19 | 11s50 | 8s13 | 15n 1 | 3s38 |
| T 2 | 22 59 | 14 39 | 5 8 | 18 20 | 2 52 | 21 3 | 2 7 | 19 59 | 1 17 | 1 3 | 1 16 | 22 42 | 0 47 | 23 10 | 0 6 | 19 42 | 1 37 | 10 19 | 10 55 | 12 17 | 11 49 | 8 11 | 15 1 | 3 38 |
| W 3 | 23 4 | 11 43 | 5 1 | 18 10 | 2 55 | 20 44 | 2 3 | 19 47 | 1 17 | 1 6 | 1 16 | 22 42 | 0 47 | 23 10 | 0 6 | 19 41 | 1 37 | 10 19 | 10 55 | 12 14 | 11 48 | 8 10 | 15 0 | 3 38 |
| T 4 | 23 9 | 8 20 | 4 40 | 18 4 | 2 57 | 20 25 | 1 59 | 19 34 | 1 16 | 1 9 | 1 17 | 22 43 | 0 47 | 23 10 | 0 6 | 19 41 | 1 37 | 10 19 | 10 55 | 12 12 | 11 46 | 8 8 | 14 59 | 3 38 |
| F 5 | 23 13 | 4 39 | 4 8 | 18 2 | 2 57 | 20 6 | 1 54 | 19 21 | 1 16 | 1 11 | 1 17 | 22 43 | 0 47 | 23 11 | 0 6 | 19 41 | 1 37 | 10 18 | 10 55 | 12 11 | 11 45 | 8 6 | 14 59 | 3 38 |
| S 6 | 23 17 | 0 46 | 3 26 | 18 3 | 2 56 | 19 46 | 1 50 | 19 8 | 1 15 | 1 14 | 1 17 | 22 43 | 0 47 | 23 11 | 0 6 | 19 41 | 1 37 | 10 18 | 10 55 | 12 11 | 11 44 | 8 4 | 14 58 | 3 38 |
| S 7 | 23 20 | 3n12 | 2 33 | 18 7 | 2 53 | 19 26 | 1 45 | 18 55 | 1 14 | 1 16 | 1 17 | 22 43 | 0 47 | 23 11 | 0 6 | 19 40 | 1 37 | 10 18 | 10 55 | 12 11 | 11 43 | 8 2 | 14 57 | 3 38 |
| M 8 | 23 23 | 7 6 | 1 34 | 18 14 | 2 49 | 19 6 | 1 40 | 18 42 | 1 14 | 1 19 | 1 18 | 22 43 | 0 47 | 23 12 | 0 6 | 19 40 | 1 37 | 10 18 | 10 55 | 12 11 | 11 42 | 8 0 | 14 56 | 3 38 |
| T 9 | 23 26 | 10 47 | 0 28 | 18 23 | 2 44 | 18 45 | 1 35 | 18 28 | 1 13 | 1 21 | 1 18 | 22 43 | 0 47 | 23 12 | 0 6 | 19 40 | 1 37 | 10 18 | 10 55 | 12 12 | 11 41 | 7 58 | 14 56 | 3 38 |
| W10 | 23 28 | 14 5 | 0s41 | 18 34 | 2 38 | 18 25 | 1 29 | 18 14 | 1 13 | 1 24 | 1 18 | 22 44 | 0 47 | 23 12 | 0 6 | 19 40 | 1 37 | 10 18 | 10 55 | 12 12 | 11 40 | 7 56 | 14 55 | 3 38 |
| T 11 | 23 29 | 16 46 | 1 49 | 18 47 | 2 32 | 18 3 | 1 24 | 18 0 | 1 12 | 1 26 | 1 18 | 22 44 | 0 47 | 23 12 | 0 6 | 19 39 | 1 37 | 10 18 | 10 54 | 12 11 | 11 39 | 7 54 | 14 55 | 3 37 |
| F 12 | 23 30 | 18 36 | 2 54 | 19 2 | 2 25 | 17 42 | 1 18 | 17 46 | 1 11 | 1 28 | 1 19 | 22 44 | 0 46 | 23 13 | 0 6 | 19 39 | 1 37 | 10 18 | 10 54 | 12 9 | 11 38 | 7 52 | 14 54 | 3 37 |
| S 13 | 23 31 | 19 22 | 3 49 | 19 17 | 2 17 | 17 21 | 1 12 | 17 32 | 1 11 | 1 30 | 1 19 | 22 44 | 0 46 | 23 13 | 0 6 | 19 39 | 1 37 | 10 18 | 10 54 | 12 7 | 11 36 | 7 51 | 14 53 | 3 37 |
| S 14 | 23 31 | 18 54 | 4 32 | 19 33 | 2 10 | 16 59 | 1 5 | 17 17 | 1 10 | 1 32 | 1 19 | 22 44 | 0 46 | 23 13 | 0 6 | 19 39 | 1 37 | 10 18 | 10 54 | 12 4 | 11 35 | 7 49 | 14 53 | 3 37 |
| M15 | 23 30 | 17 10 | 4 57 | 19 50 | 2 2 | 16 37 | 0 59 | 17 3 | 1 9 | 1 34 | 1 19 | 22 44 | 0 46 | 23 14 | 0 6 | 19 38 | 1 37 | 10 18 | 10 54 | 12 0 | 11 34 | 7 47 | 14 52 | 3 37 |
| T 16 | 23 30 | 14 19 | 5 3 | 20 7 | 1 53 | 16 15 | 0 52 | 16 48 | 1 9 | 1 36 | 1 20 | 22 44 | 0 46 | 23 14 | 0 6 | 19 38 | 1 37 | 10 18 | 10 54 | 11 57 | 11 33 | 7 45 | 14 52 | 3 37 |
| W17 | 23 28 | 10 34 | 4 49 | 20 25 | 1 45 | 15 53 | 0 45 | 16 33 | 1 8 | 1 38 | 1 20 | 22 45 | 0 46 | 23 14 | 0 6 | 19 38 | 1 37 | 10 18 | 10 54 | 11 54 | 11 32 | 7 43 | 14 51 | 3 37 |
| T 18 | 23 26 | 6 12 | 4 16 | 20 42 | 1 36 | 15 30 | 0 38 | 16 18 | 1 7 | 1 40 | 1 20 | 22 45 | 0 46 | 23 14 | 0 6 | 19 38 | 1 37 | 10 18 | 10 53 | 11 52 | 11 31 | 7 41 | 14 51 | 3 37 |
| F 19 | 23 24 | 1 33 | 3 27 | 21 0 | 1 28 | 15 8 | 0 30 | 16 3 | 1 7 | 1 42 | 1 20 | 22 45 | 0 46 | 23 15 | 0 6 | 19 38 | 1 37 | 10 18 | 10 53 | 11 51 | 11 30 | 7 39 | 14 50 | 3 37 |
| S 20 | 23 21 | 3s 7 | 2 27 | 21 17 | 1 19 | 14 45 | 0 23 | 15 47 | 1 6 | 1 43 | 1 21 | 22 45 | 0 46 | 23 15 | 0 6 | 19 37 | 1 37 | 10 18 | 10 53 | 11 50 | 11 29 | 7 37 | 14 50 | 3 37 |
| S 21 | 23 18 | 7 31 | 1 19 | 21 33 | 1 11 | 14 23 | 0 15 | 15 31 | 1 6 | 1 45 | 1 21 | 22 45 | 0 46 | 23 15 | 0 6 | 19 37 | 1 37 | 10 18 | 10 53 | 11 50 | 11 27 | 7 35 | 14 49 | 3 37 |
| M22 | 23 14 | 11 28 | 0 7 | 21 50 | 1 2 | 14 0 | 0 6 | 15 16 | 1 5 | 1 46 | 1 21 | 22 45 | 0 46 | 23 16 | 0 6 | 19 37 | 1 37 | 10 18 | 10 53 | 11 50 | 11 26 | 7 33 | 14 49 | 3 37 |
| T 23 | 23 10 | 14 45 | 1n 3 | 22 5 | 0 54 | 13 38 | 0n 2 | 15 0 | 1 4 | 1 48 | 1 21 | 22 45 | 0 46 | 23 16 | 0 6 | 19 37 | 1 37 | 10 18 | 10 53 | 11 50 | 11 25 | 7 32 | 14 48 | 3 37 |
| W24 | 23 6 | 17 13 | 2 9 | 22 20 | 0 45 | 13 15 | 0 11 | 14 44 | 1 4 | 1 49 | 1 22 | 22 45 | 0 46 | 23 16 | 0 6 | 19 36 | 1 37 | 10 18 | 10 52 | 11 49 | 11 24 | 7 30 | 14 48 | 3 37 |
| T 25 | 23 0 | 18 46 | 3 7 | 22 35 | 0 37 | 12 53 | 0 20 | 14 28 | 1 3 | 1 51 | 1 22 | 22 45 | 0 46 | 23 16 | 0 6 | 19 36 | 1 37 | 10 18 | 10 52 | 11 47 | 11 23 | 7 28 | 14 48 | 3 36 |
| F 26 | 22 55 | 19 21 | 3 54 | 22 48 | 0 28 | 12 30 | 0 29 | 14 11 | 1 2 | 1 52 | 1 22 | 22 45 | 0 46 | 23 17 | 0 6 | 19 36 | 1 37 | 10 18 | 10 52 | 11 44 | 11 22 | 7 26 | 14 47 | 3 36 |
| S 27 | 22 49 | 18 57 | 4 30 | 23 1 | 0 20 | 12 8 | 0 38 | 13 55 | 1 2 | 1 53 | 1 22 | 22 45 | 0 46 | 23 17 | 0 6 | 19 36 | 1 37 | 10 18 | 10 52 | 11 40 | 11 21 | 7 24 | 14 47 | 3 36 |
| S 28 | 22 42 | 17 40 | 4 52 | 23 13 | 0 12 | 11 45 | 0 48 | 13 38 | 1 1 | 1 54 | 1 23 | 22 45 | 0 46 | 23 17 | 0 6 | 19 36 | 1 36 | 10 18 | 10 52 | 11 36 | 11 20 | 7 22 | 14 47 | 3 36 |
| M29 | 22 36 | 15 35 | 5 0 | 23 23 | 0 4 | 11 23 | 0 58 | 13 22 | 1 0 | 1 55 | 1 23 | 22 45 | 0 45 | 23 17 | 0 6 | 19 36 | 1 36 | 10 18 | 10 51 | 11 31 | 11 18 | 7 20 | 14 46 | 3 36 |
| T 30 | 22 28 | 12 51 | 4 55 | 23 33 | 0s 4 | 11 1 | 1 8 | 13 5 | 0 59 | 1 56 | 1 23 | 22 45 | 0 45 | 23 18 | 0 6 | 19 35 | 1 36 | 10 18 | 10 51 | 11 26 | 11 17 | 7 18 | 14 46 | 3 36 |
| W31 | 22s20 | 9s37 | 4n37 | 23s42 | 0s11 | 10s39 | 1n19 | 12s48 | 0s59 | 1s57 | 1n23 | 22s45 | 0n45 | 23s18 | 0s 6 | 19n35 | 1s36 | 10n18 | 10s51 | 11s21 | 11s16 | 7s16 | 14n46 | 3s36 |

Julian Day Number = 2232376.5, Delta T = 07m53s
Ecliptic obliquity = 23°30'53, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°22'10, Lahiri = 15°29'10 Julian Calendar 1 Dec. 1399 == Greg. Calendar 9 Dec. 1399


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